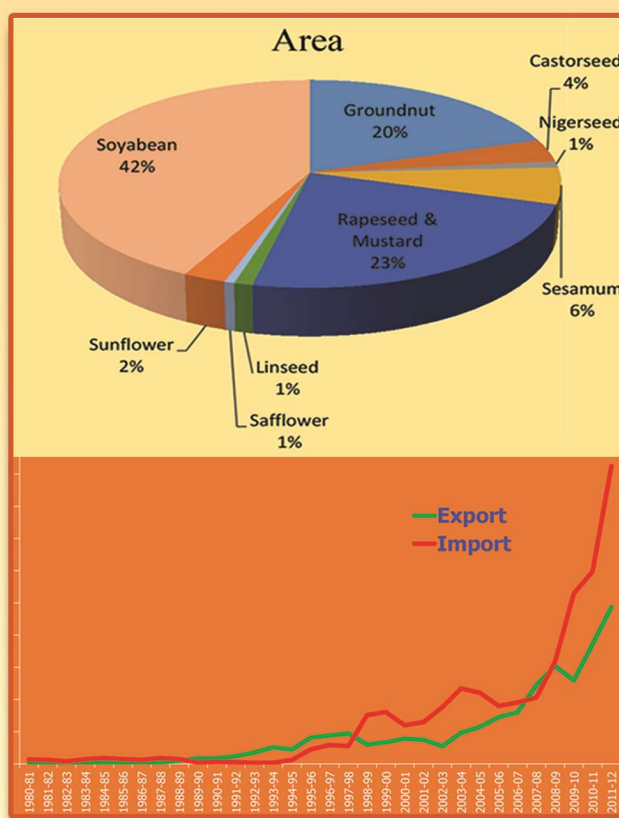


Oilseeds Statistics

- A Compendium 2015

C. Sarada, K. Alivelu, V. Sambasiva Rao,
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ICAR-Indian Institute of Oilseeds Research

Rajendranagar, Hyderabad-500 030

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C. SARADA
K. ALIVELU
V. SAMBASIVA RAO
S.N. SUDHAKARA BABU
K.S. VARAPRASAD



ICAR-INDIAN INSTITUTE OF OILSEEDS RESEARCH

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I. Sarada, C.

II. Alivelu, K.

III. Sambasiva Rao, V.

IV. Sudhakara Babu, S.N.

V. Varaprasad, K.S.

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Dr. K.S. Varaprasad

Director

ICAR-Indian Institute of Oilseeds Research

Rajendranagar, Hyderabad – 500 030

Phone : +91-040-24015222

Fax : +91-040-24017969

E-mail : director.iior@icar.gov.in

Web Site : <http://www.icar-iior.org.in>

PREFACE


ICAR-Indian Institute of Oilseeds Research is mandated to be a repository of information on all aspects of oilseeds and vegetable oil and has been maintaining and updating the database by compilation from various scattered sources on statistics related to area, production, yield, processing and trade of oilseeds including annual, perennial and non-traditional sources of vegetable oils. This document "Oilseeds Statistics: A Compendium 2015" is the 8th in the series, updated up to 2015 as per the available final estimates from the respective published sources. This Compendium provides an exhaustive data presented in an easy and comfortable reading with trend perspective. The wide range of topics covered include spatio-temporal production statistics at the global; crop-wise statistics of India encompassing districts and states; trade in terms of imports, export and pricing, detailed state profiles, coconut, oil palm, minor oilseeds, irrigation coverage, seed production, recommended varieties and hybrids, growth rates and achievements in oilseeds sector including NMOOP, and other sources of information on oilseeds. The compendium will be very useful for students, progressive farmers, research workers, extension and development personnel, policy makers, entrepreneurs and other stake holders who are involved directly or indirectly in oilseeds research and development. This compendium serves as a ready reckoner and a reference manual for data on oilseeds for suitable policy decisions on oilseeds and vegetable oils by the planners.

I am extremely thankful to Dr Trilochan Mohapatra, Secretary, DARE and Director General, ICAR and Dr S. Ayyappan, A.B.Vajpayee Chair & former Secretary, DARE and Director General, ICAR, Dr J.S. Sandhu, Deputy Director General (Crop Science), ICAR and Dr B.B. Singh, Assistant Director General (Oilseeds & Pulses), ICAR for their constant encouragement, guidance and support.

I also thankful to authors of earlier series, Mr T. Damodaram, Ex Head (Library Services) and Dr D.M. Hegde, former Director, ICAR-IIOR for their consistent guidance and advise during compilation.

I appreciate the efforts of Drs. C. Sarada, K. Alivelu, Mr. V. Sambasiva Rao and Dr. S.N. Sudhakara Babu of IIOR for their strenuous attempt to compile the data from various scattered sources and organizations, verify and present the vast data of this compendium. I place on record, due acknowledgements to all those sources/authors, organisations and publishers for their efforts to make available the respective data that has been compiled in this compendium. My sincere thanks are due to Mr G. Srinivas Yadav, Mr T. Kartheek, Mrs R. Raji, Mr G.R. Kiran Kumar for typing assistance, Dr S.V. Ramana Rao and Dr. Lakshmi Prayaga for a thorough review and suggestions for improvement. I also acknowledge the support rendered by all the staff of IIOR in preparation of this compendium.

Hyderabad
Date: 15-6-2016


(K.S. Varaprasad)
Director

FOREWORD

Vegetable oil is an important commodity obtained from myriad sources of plant species for consumption and industrial applications that impacts global trade and economy. The information on trends and up to date statistics of oilseeds and vegetable oils is essential for better planning and forecast for achieving sustainable oilseeds economy. Many individuals, industries and organizations are involved in different aspects of vegetable oils starting from growing of oilseed crops as per the agro-ecological situation to processing and trade. Further oilseed economy is governed by the government policies and global trade situations. Each enterprise and entity will have its own data contribution and requirement in the supply and value chain of vegetable oils. Thus no single source can provide holistic information on 'push – pull' factors for taking informed decisions on oilseeds production and trade.

ICAR-Indian Institute of Oilseeds Research embarks on maintaining a repository of information on all aspects of oilseeds and vegetable oils in the country and this publication, '**Oilseeds Statistics: A Compendium 2015**' is being brought out as the eighth in the series compiled and updated up to 2015 from several respective sources.

This compendium provides a multi-year data presented in an easy to follow the trend for improved readability classified under distinct related aspects. Global status and perspective is provided in the opening with all India oilseeds production statistics presented for the last four and half decades (1971-2015) and state wise/district –wise statistics presented for the last 14 years (2001-2015). Trade statistics are comprehended to give a picture of various products exported/imported and its trend. From the perspective of researchers and students, the compendium include information on released varieties and hybrids, their pedigree, year of release and notification, releasing centre, yield, duration, recommended states/ regions/ situations for cultivation, yield, oil content, special features, etc. Other general information like germplasm resources and maintaining units, related websites, addresses of oilseeds related industries etc. were also updated. Conduct of state wise FLDs and year wise exploitable yield gaps for each crop was updated. Thus it is a ready source of multi-year quantitative data to understand the trends and direction for undertaking necessary policy decisions. The compendium provides an overall global perspective and detailed national status up to district level data of nine annual oilseed crops viz., groundnut, rapeseed and mustard, soybean, sunflower, linseed, sesame, niger, castor and safflower compiled from authentic official sources, beyond the source of Department of Agriculture and Directorate of Economics and Statistics (DES).

Specifically, the compendium has 29 chapters with 14 chapters devoted to production statistics from the inception of official statistics on the crop up to 2014-15. Other chapters include secondary sources of vegetable oils, industries, trade, imports and exports, MSPs, germplasm resources, released varieties and hybrids, major addresses and websites related to oilseeds and vegetable oils, FLDs and status and provisions of NMOOP in the country. The data/information presented in this compendium is compiled from the secondary data primarily from the publications/ websites brought out by FAO, DES, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture; Directorate of Oilseeds Development, DGCI&S, SEA etc. Databases include FAOSTAT, CMIE, India Harvest, Indiaagristat, etc. Besides these, number of other authentic

resources including Oil World and other periodicals, annual reports of public and private agencies etc, were consulted and relevant data compiled. We place on record due acknowledgements to all the sources/authors, organisations and publishers.

This compendium is largely updated from the previous 2010 edition and is expanded to include few more aspects of relevance to oilseed stakeholders. We faced challenges in harmonising the latest data on all aspects for uniformity as the latest available data point varied for different categories/sources. Overall all the available latest data has been incorporated up to 2015-16. Despite the exhaustive efforts and care in the preparation of this compendium, we are open and appreciate receiving critical and constructive suggestions in reaching this compendium to all the stakeholders for taking informed decisions. The CD ROM version of the compendium would provide easy access of choice search.

Cooperation and support from many individuals and organizations in running up to compilation of this magnitude is possible with an overall driving force and all-out support and guidance from Dr B.B. Singh, ADG (Oilseeds and Pulses) and Dr J. S. Sandhu, Deputy Director General (Crop Science). The continued and unstinted support from ICAR, inspiration and motivation provided by Dr Trilochan Mohapatra, Secretary, DARE and Director General, Indian Council of Agricultural Research, New Delhi is behind our every effort including this publication.

We earnestly hope the compendium will be very useful for policy makers, entrepreneurs, students, progressive farmers, research workers, extension and development personnel and other stakeholders who are involved directly or indirectly in oilseeds research and development. We wish that this compendium serves as a ready reckoner and a reference manual for data on oilseeds.

Authors

Hyderabad

31-5-2016

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1. OILSEEDS

1.1 World Area, Production and Yield of Oilseeds

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1986	116589	163705	1404
1987	116968	172004	1471
1988	122792	168419	1372
1989	125579	181192	1443
1990	125791	186815	1485
1991	126387	184984	1464
1992	127842	194387	1521
1993	132238	194205	1469
1994	138649	224002	1616
1995	142778	223505	1565
1996	139025	224500	1615
1997	144199	239652	1662
1998	152643	262450	1719
1999	159508	269927	1692
2000	157811	269348	1707
2001	152663	277667	1819
2002	155907	280611	1800
2003	166580	299229	1796
2004	175309	322838	1842
2005	180967	342720	1894
2006	181320	343479	1894
2007	176055	342642	1946
2008	189450	372573	1967
2009	192533	364911	1895
2010	197031	408493	2073
2011	202291	416773	2060
2012	199538	393105	1970
2013	208950	447802	2143
2014	220360	474578	2154

Source: <http://faostat3.fao.org>

Note: Includes Groundnut, Soybean, Rapeseed and Mustard, Sesame, Sunflower, Linseed, Safflower and Castor.

1.2 Crop-wise Area, Production and Yield of Oilseeds in the World

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Castor	Area	1660	1469	1302	1318	1242	1249	1198	1157	1346	1772	1393
	Prod.	1358	1183	1146	1088	1228	1260	1206	1198	1141	1376	1117
	Yield	818	805	880	825	935	1009	1007	1035	848	777	802
Groundnut	Area	19752	20625	20610	21042	21975	22391	22452	23226	22832	23252	23083
	Prod.	23088	23738	24463	26071	28651	31153	29405	33829	31897	34741	35895
	Yield	1169	1151	1187	1239	1304	1391	1310	1457	1397	1494	1555
Linseed	Area	4445	4097	3468	3368	3361	3209	3128	3285	3267	2629	2545
	Prod.	2923	2691	2224	2189	2457	2478	2277	2742	2695	2013	1875
	Yield	658	657	641	650	731	772	728	835	825	766	737
Rapeseed & Mustard	Area	18343	20542	20712	20440	23452	22408	24149	26586	28428	26547	23148
	Prod.	25068	28261	27098	26637	30215	30888	35582	36329	43813	40020	36318
	Yield	1367	1376	1308	1303	1288	1378	1473	1366	1541	1508	1569
Safflower	Area	1213	1146	882	1090	1099	1096	1039	627	957	826	802
	Prod.	837	608	551	783	868	872	888	603	831	625	550
	Yield	690	531	625	718	790	796	855	962	868	757	686
Sesame	Area	6133	6446	6488	6671	6418	7077	6461	6005	6752	7218	6973
	Prod.	2379	2225	2453	2278	2258	2782	2569	2552	2583	2775	3118
	Yield	388	345	378	341	352	393	398	425	383	384	447
Soybean	Area	57209	54987	56171	59499	62499	61094	66938	70983	72050	74367	76801
	Prod.	108456	103323	114467	115148	136449	130206	144358	160136	157779	161299	178245
	Yield	1896	1879	2038	1935	2183	2131	2157	2256	2190	2169	2321
Sunflower	Area	17036	17074	18209	18810	18533	20500	18834	20774	23876	21201	17918
	Prod.	22706	22955	21984	20012	21874	24861	23367	25061	29190	26498	20550
	Yield	1333	1344	1207	1064	1180	1213	1241	1206	1223	1250	1147
Total	Area	125791	126387	127842	132238	138649	139025	144199	152643	159508	157811	152663
	Prod.	186815	184984	194387	194205	224002	223505	224500	239652	262450	269927	269348
	Yield	1485	1464	1521	1469	1616	1615	1662	1719	1692	1707	1819

Crop		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Castor	Area	1226	1378	1437	1595	1281	1434	1536	1414	1532	2180	1648	1491	1448
	Prod.	966	1249	1296	1500	1168	1452	1623	1412	1735	2735	2239	1844	1948
	Yield	788	906	902	940	912	1013	1057	999	1133	1255	1359	1237	1345
Groundnut	Area	23025	23076	23712	24051	21541	22670	24218	23976	25481	24742	22785	23503	25670
	Prod.	33149	36334	36483	38554	33377	37154	38505	37167	42736	40767	39537	42846	42316
	Yield	1440	1575	1539	1603	1549	1639	1590	1550	1677	1648	1735	1823	1648
Linseed	Area	2435	2473	2317	2819	2777	2041	2095	2106	2005	2072	2572	2297	2601
	Prod.	1922	2087	1913	2757	2519	1665	1990	2184	1830	2184	2062	2299	2565
	Yield	789	844	826	978	907	816	950	1037	913	1054	802	1001	986
Rapeseed & Mustard	Area	23710	24525	26289	28411	28048	30448	31444	32684	33022	34539	34906	36955	36590
	Prod.	34910	37482	47346	50560	48458	51787	58459	63299	60717	63308	65102	73375	71642
	Yield	1472	1528	1801	1780	1728	1701	1859	1937	1839	1833	1865	1986	1958
Safflower	Area	728	890	965	839	705	755	722	795	810	790	965	890	1010
	Prod.	546	707	656	587	535	627	629	653	653	677	842	718	868
	Yield	750	794	680	700	759	830	871	821	806	857	873	807	859
Sesame	Area	6211	6993	7389	7469	7395	7035	7586	7864	8279	8450	6490	6709	10560
	Prod.	2831	3196	3469	3472	3664	3744	3821	3966	4388	4670	4655	4161	5469
	Yield	456	457	469	465	495	532	504	504	530	553	717	620	518
Soybean	Area	78960	83640	91602	92567	95315	90163	96468	99338	102793	103818	105366	111630	117719
	Prod.	181678	190652	205524	214561	221966	219727	231272	223411	264914	261597	241581	278093	308436
	Yield	2301	2279	2244	2318	2329	2437	2397	2249	2577	2520	2293	2491	2620
Sunflower	Area	19612	23605	21598	23217	24257	21509	25382	24357	23108	25700	24805	25474	24762
	Prod.	24609	27521	26151	30729	31793	26486	36274	32820	31520	40836	37087	44466	41335
	Yield	1255	1166	1211	1324	1311	1231	1429	1347	1364	1589	1495	1746	1669
Total	Area	155907	166580	175309	180967	181320	176055	189450	192533	197031	202291	199538	208950	220360
	Prod.	280611	299229	322838	342720	343479	342642	372573	364911	408493	416773	393105	447802	474578
	Yield	1800	1796	1842	1894	1894	1946	1967	1895	2073	2060	1970	2143	2154

Source: <http://faostat3.fao.org>

1.3 All India Area, Production and Yield of Nine annual Oilseeds

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield	% Coverage under Irrigation	Year	Area	Production	Yield	% Coverage under Irrigation
1949-50	10071	5225	519	NA	1982-83	17754	9995	563	15.6
1950-51	10727	5131	478	NA	1983-84	18689	12691	679	17
1951-52	11685	5028	430	NA	1984-85	18924	12946	684	19.6
1952-53	11175	4734	424	0.8	1985-86	19019	10831	569	17.3
1953-54	10993	5370	488	1	1986-87	18626	11270	605	17.9
1954-55	12522	6399	511	1.1	1987-88	20132	12655	629	20.6
1955-56	12024	5646	470	2.4	1988-89	21897	18034	824	22.3
1956-57	12494	6364	509	2.7	1989-90	22800	16924	742	22.1
1957-58	12655	6350	502	3.5	1990-91	24148	18609	771	22.9
1958-59	13001	7298	561	3.2	1991-92	25886	18600	719	25.5
1959-60	13954	6556	470	3.1	1992-93	25236	20107	797	24.1
1960-61	13771	6983	507	3.3	1993-94	26897	21496	799	23
1961-62	14772	7284	493	3.6	1994-95	25304	21338	843	25
1962-63	15335	7388	482	3.3	1995-96	25966	22107	851	26
1963-64	14823	7133	481	3.7	1996-97	26309	23328	887	26.2
1964-65	15255	8563	561	3.4	1997-98	26095	21319	817	24.3
1965-66	15912	6506	409	3.7	1998-99	26199	24750	945	23.2
1966-67	15946	6575	412	5.1	1999-00	24258	20710	854	25.2
1967-68	16647	8478	509	5	2000-01	22770	18440	810	23
1968-69	15490	7028	454	4.8	2001-02	22636	20662	913	24.3
1969-70	15874	7975	502	6.1	2002-03	21489	14838	691	22.7

Year	Area	Production	Yield	% Coverage under Irrigation	Year	Area	Production	Yield	% Coverage under Irrigation
1970-71	16494	9540	578	7.4	2003-04	23663	25186	1064	24.5
1971-72	17125	8993	525	7.7	2004-05	27523	24354	885	26.6
1972-73	15639	7033	450	7.2	2005-06	27863	27978	1004	28
1973-74	16617	9181	552	8.8	2006-07	26513	24289	916	28.3
1974-75	16907	8873	525	9.2	2007-08	26693	29755	1115	27.1
1975-76	16513	10299	624	7.9	2008-09	27558	27719	1006	27.1
1976-77	16465	8428	512	7.6	2009-10	25959	24882	958	25.9
1977-78	17167	9662	563	10.4	2010-11	27224	32479	1193	25.1
1978-79	17708	10101	570	11	2011-12	26308	29799	1133	27.6
1979-80	16941	8739	516	12.6	2012-13	26484	30940	1168	NA
1980-81	17603	9373	532	14.5	2013-14	28051	32749	1168	NA
1981-82	18908	12080	639	15.4	2014-15*	25726	26675	1037	NA

Source: Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI
<http://eands.dacnet.nic.in>

Note: Data for 1949-50 to 1969-70 relate to total of five major oilseeds i.e. groundnut, castor, sesame, rapeseed-mustard and linseed
 *Fourth Advance Estimates, NA- Not available.

1.4 India's Position in World's Area and Production of Oilseeds (2014)

Oilseeds	Area ('000 ha)		% Share	Rank in Area	Top 4	Production ('000 MT)		% Share	Rank in Production	Top 4
	World	India				World	India			
Castor	1494	1040	70	First	1) India 2) Mozambique 3) Brazil 4) Mainland China	1988	1733	87	First	1) India 2) Mozambique 3) Mainland China 4) Brazil
Groundnut	30192	5200	17	First	1) India 2) Mainland China 3) Nigeria 4) Sudan	58099	6557	11	Second	1) Mainland China 2) India 3) Nigeria 4) USA
Linseed	2911	360	12	Fourth	1) Canada 2) Kazakhstan 3) Russian Federation 4) India	2915	141	5	Fifth	1) Canada 2) Russian Federation 3) Mainland China 4) Kazakhstan
Rapeseed & Mustard	42384	7201	17	Second	1) Canada 2) India 3) Mainland China 4) Australia	82554	7877	10	Third	1) Canada 2) Mainland China 3) India 4) Germany
Safflower	1033	140	14	Second	1) Kazakhstan 2) India 3) Russian Federation 4) Mexico	904	113	13	Third	1) Kazakhstan 2) Mexico 3) India 4) USA

Oilseeds	Area ('000 ha)		% Share	Rank in Area	Top 4	Production ('000 MT)		% Share	Rank in Production	Top 4
	World	India				World	India			
Sesame	11063	2000	18	Second	1) Sudan 2) India 3) Myanmar 4) United Republic of Tanzania	6081	811	13	First	1) India 2) Sudan 3) Mainland China 4) Myanmar
Soybean	124449	10908	9	Fourth	1) USA 2) Brazil 3) Argentina 4) India 5) China	320637	10528	3	Fifth	1) USA 2) Brazil 3) Argentina 4) Mainland China
Sunflower	25692	730	3	Tenth	1) Russian Federation 2) Ukraine 3) Argentina 4) Romania	43715	415	1	Sixteenth	1) Ukraine 2) Russian Federation 3) Mainland China 4) Romania

Source: <http://faostat3.fao.org>

1.5 Crop-Wise All India Area, Production and Yield of Nine Oilseeds (1950-51 to 2014-2015)

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season		1950-51	1955-56	1960-61	1965-66	1970-71
Groundnut	<i>Kharif</i>	Area	4494	5092.9	6463.4	7428.1	7326
		Prod.	3481	3801	4811.7	4229.5	6111
		Yield	775	746	744	569	834
Rapeseed & Mustard	<i>Rabi</i>	Area	2071	2554	2884	2883	3323
		Prod.	750	846	1347	1276	1975
		Yield	362	331	467	442	594
Sesame	<i>Kharif</i>	Area	2203	2275	2169	2480	2433
		Prod.	438	460	318	425	562
		Yield	199	202	147	171	231
Linseed	<i>Rabi</i>	Area	1403	1528	1789	1728	1897
		Prod.	361	415	398	335	474
		Yield	257	272	222	194	250
Castor	<i>Kharif</i>	Area	555	574	466	409	439
		Prod.	101	124	108	80	136
		Yield	182	216	232	197	310
Niger	<i>Kharif</i>	Area	...	...	...	525.4	489
		Prod.	...	...	...	91.9	128
		Yield	...	...	...	175	261
Safflower	<i>Rabi</i>	Area	...	...	...	460	588
		Prod.	...	...	...	68.4	154
		Yield	...	...	...	149	262
Total	<i>Kharif</i>	Area	7253	7941	9098	10842	10687
		Prod.	4020	4385	5237	4826	6937
		Yield	554	552	576	445	649
	<i>Rabi</i>	Area	3474	4082	4673	5071	5808
		Prod.	1111	1261	1745	1679	2603
		Yield	320	309	373	331	448
	Total	Area	10727	12024	13771	15912	16494
		Prod.	5131	5646	6983	6506	9540
		Yield	478	470	507	409	578

crop	season	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	
Groundnut	Kharif	Area	7510.2	6990	7023.7	7062.6	7221.5	6662	6434.1	6736.8	6401.7	5907.8	6373.6
		Prod.	6180.5	4091.6	5932	5111	6754.7	4825	5205	5207.7	4727.3	3714.4	5520
		Yield	823	585	845	724	935	724	809	773	738	629	866
	Rabi	Area	-	-	-	-	380.8	594.4	696.5	763.1	893.5	1056	
		Prod.	-	-	-	-	438.9	882.91	1001.1	1041.1	1290.6	1703	
		Yield	-	-	-	-	1153	1485	1437	1364	1444	1613	
	Total	Area	7510.2	6990	7023.7	7062.6	7221.5	7042.8	7028.5	7433.3	7164.8	6801.3	7429.6
		Prod.	6180.5	4091.6	5932	5111	6754.7	5263.9	6087.91	6208.8	5768.4	5005	7223
		Yield	823	585	845	724	935	747	866	835	805	736	972
Rapeseed & Mustard	Rabi	Area	3613.9	3318.7	3456.8	3680.4	3339.4	3128.6	3583.9	3543.5	3470.5	4112.9	4399.3
		Prod.	1432.8	1807.8	1704.3	2251.6	1935.8	1550.7	1649.7	1860.1	1428	2304.2	2381.5
		Yield	396	545	493	612	580	496	460	525	411	560	541
Soybean	Kharif	Area	-	-	-	-	124.9	194.8	306.4	496.4	607.6	474.6	
		Prod.	-	-	-	-	123.4	183.2	298.7	282	442.2	351.6	
		Yield	-	-	-	-	988	940	975	568	728	741	
Sunflower	Kharif	Area	-	-	-	-	254.5	270.3	181.9	61.3	119.4	169.1	
		Prod.	-	-	-	-	137.6	141.4	98.8	31.8	66.3	95.4	
		Yield	-	-	-	-	541	523	543	519	555	564	
	Rabi	Area	-	-	-	-	-	-	-	-	-	112.7	
		Prod.	-	-	-	-	-	-	-	-	-	63.6	
		Yield	-	-	-	-	-	-	-	-	-	564	
	Total	Area	-	-	-	-	254.5	270.3	181.9	61.3	119.4	281.8	
		Prod.	-	-	-	-	137.6	141.4	98.8	31.8	66.3	159	
		Yield	-	-	-	-	541	523	543	519	555	564	

10 Oilseeds Compendium - 2015

crop	season	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	
Sesame	Kharif	Area	2288.4	2385.8	2234.3	2170.1	2278.8	2384.3	2389.1	2377.2	2471.9	2593.2	
		Prod.	385.4	484.3	392.2	479.2	421.9	520.2	514.1	347.7	445.8	590.2	
		Yield	188	168	203	176	221	185	218	215	146	180	228
Linseed	Rabi	Area	2064.4	1725.6	2038.2	2070.7	1888.4	2009.9	2091.5	1613.6	1673.3	1820.2	
		Prod.	529.5	428.1	503.9	563.8	418.8	526.8	535.1	269.3	269.3	423	482.5
		Yield	256	248	247	272	282	262	256	167	167	253	265
Safflower	Rabi	Area	597.7	423.3	613.8	647.8	683	706.5	703	733.3	719.9	748.5	
		Prod.	130.5	81.8	191	211.9	238.3	219.6	187.8	209	279.4	335.1	421.5
		Yield	218	193	311	327	354	322	266	297	381	465	563
Castor	Kharif	Area	453.3	426.4	546.6	590.3	374.9	495.8	446.9	440.5	497.5	557.5	
		Prod.	154	145.4	229.1	210.4	142.9	179	217.2	229.4	227.3	205.4	310
		Yield	340	341	419	356	381	361	572	513	516	413	556
Niger	Kharif	Area	493.6	466.8	552.3	621	615.2	568.1	612.1	583.5	598.7	603.6	
		Prod.	115.8	92.5	136	132	150.5	113.3	148.1	146.5	105.4	146.1	160.2
		Yield	235	198	246	213	245	199	243	239	181	244	265
Total	Kharif	Area	10848.6	10171.6	10508.4	10508.2	10381.7	10384.1	10673.2	10360.6	10202.9	10771.6	
		Prod.	6899.8	4714.9	6781.4	5845.6	7527.3	5800.2	6415.1	6495.2	5721.5	5020.2	7027.4
		Yield	636	464	645	556	725	559	625	609	552	492	652
	Rabi	Area	6276	5467.6	6108.8	6398.9	6131.7	6080.8	6894.7	7034.5	6580.5	7399.6	8136.7
		Prod.	2092.8	2317.7	2399.2	3027.3	2771.9	2628	3247.21	3605.3	3017.8	4352.9	5052.1
		Yield	333	424	393	473	452	432	471	513	459	588	621
	Total	Area	17124.6	15639.2	16617.2	16907.1	16513.4	16464.9	17167	17707.7	16941.1	17602.5	18908.3
		Prod.	8992.6	7032.6	9180.6	8872.9	10299.2	8428.2	9662.31	10100.5	8739.3	9373.1	12079.5
		Yield	525	450	552	525	624	512	563	570	516	532	639

Crop	Season	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	
Groundnut	Kharif	Area	6199.5	6323	6018.3	6243.3	6041.2	5671.4	7023.8	6823.5	7269.1	6873	
		Prod.	3744.3	5279.1	4691.2	3755.7	4426.5	4182.6	7489.3	6096.7	5121.9	4994.5	6659.5
		Yield	604	835	779	602	733	737	1066	824	751	687	969
	Rabi	Area	1014.8	1215.7	1149.7	880.5	940.9	1172.6	1504.8	1307.8	1485.5	1398.8	1293.4
		Prod.	1538	1806.4	1744.7	1363.8	1448.9	1671	2169.2	2004	2392.8	2100.1	1905.1
		Yield	1516	1486	1518	1549	1540	1425	1442	1532	1611	1501	1473
	Total	Area	7214.3	7538.7	7168	7123.8	6982.1	6844	8528.6	8710.2	8309	8667.9	8166.4
		Prod.	5282.3	7085.5	6435.9	5119.5	5875.4	5853.6	9658.5	8100.7	7514.7	7094.6	8564.6
		Yield	732	940	898	719	841	855	1132	930	904	818	1049
Rapeseed & Mustard	Rabi	Area	3826.7	3873.5	3986.9	3979.9	3718.6	4619.2	4832.2	4967	5782.1	6553.4	6192.8
		Prod.	2207.2	2608.1	3073	2680.5	2604.7	3454.5	4376.8	4125.3	5229.3	5862.5	4803.4
		Yield	577	673	771	674	700	748	906	831	904	895	776
Soybean	Kharif	Area	770.2	836.2	1242.7	1339.7	1526.8	1542.6	1734.1	2253	2564.21	3184.8	3788.7
		Prod.	491	614.3	954.8	1024.1	891.4	898.3	1547.1	1805.6	2601.5	2492.0	3386.9
		Yield	637	735	768	764	584	582	892	801	1015	782	894
Sunflower	Kharif	Area	277.3	417.5	500.8	451	613.5	990.8	644.9	548.1	714.9	973.2	919
		Prod.	137.8	178.9	263.9	168.7	251.9	381.3	222	267.2	334.7	363.1	435.5
		Yield	497	429	527	374	411	385	344	488	468	373	474
	Rabi	Area	184.9	278.5	333.8	300.6	409	660.5	458.9	644.2	917.9	1140.6	1166.3
		Prod.	91.9	119.8	175.9	112.2	168	254	148.1	364.1	538.6	830.7	746.2
		Yield	497	430	527	373	411	385	323	565	587	728	640
	Total	Area	462.2	696	834.6	751.6	1022.5	1651.3	1103.8	1192.3	1632.8	2113.8	2085.3
		Prod.	229.7	298.7	439.8	280.9	419.9	635.3	370.1	631.3	873.3	1193.8	1181.7
		Yield	497	429	527	374	411	385	335	529	535	565	567
Sesame	Kharif	Area	2216.7	2203.6	2117.4	2217.4	2163.81	2153.3	2447.9	2386.5	2515.5	2626.8	2128.6
		Prod.	551.7	558.8	520.7	501	447.7	583.1	681.8	745.1	835.3	705.9	758.3
		Yield	249	254	246	226	207	271	279	312	332	269	356

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Crop	Season	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	
Linseed	Rabi	Area	1487.3	1395.2	1423.7	1155.3	1150.7	1198.9	1124.4	1099.1	886.2	895.4	
		Prod.	375.4	444.3	389	376.2	316.6	393.3	361.4	325.6	332	292	278.4
		Yield	1400	299	279	264	274	342	301	290	302	329	1564
Safflower	Rabi	Area	782.1	831.3	918.1	911.3	892.2	1051.9	815.5	842.3	823.2	501.1	734.1
		Prod.	395.9	500.9	515.2	347.9	352.5	462.2	444.9	486.5	320.1	202.8	348.3
		Yield	506	603	561	382	395	439	546	578	389	405	474
Castor	Kharif	Area	580.2	623.4	670.7	636.6	577.6	479.5	631.3	702.2	810.4	711.8	659.7
		Prod.	344.6	404.5	469.7	308.3	230.3	195.2	415.5	517.1	716.2	576.7	623.1
		Yield	594	649	700	484	399	407	658	736	884	810	945
Niger	Kharif	Area	497.9	599.3	590	635	586.9	639.1	604.3	621.6	611.2	640.4	584.7
		Prod.	117.6	176.3	148	192.3	131.2	179.3	177.7	186.5	186.3	179.5	161.8
		Yield	236	294	251	303	224	281	294	300	305	280	277
Total	Kharif	Area	10541.8	11003	11139.9	11523	11509.8	11476.7	13086.3	13913.8	14039.7	15406.1	14953.7
		Prod.	5387	7211.9	7048.3	5950.1	6379	6419.8	10533.4	9618.2	9795.9	9311.7	12025.1
		Yield	511	655	633	516	554	559	805	691	698	604	804
	Rabi	Area	7212.5	7686.3	7783.7	7496	7116	8654.9	8810.3	8885.7	10107.8	10480.1	10282
		Prod.	4608.4	5479.5	5897.8	4880.6	4890.7	6235	7500.4	7305.5	8812.8	9288.1	8081.4
		Yield	639	713	758	651	687	720	851	822	872	886	786
	Total	Area	17754.3	18689.3	18923.6	19019	18625.8	20131.6	21896.6	22799.5	24147.5	25886.2	25235.7
		Prod.	9995.4	12691.4	12946.1	10830.7	11269.7	12654.8	18033.8	16923.7	18608.7	18599.8	20106.5
		Yield	563	679	684	569	605	629	824	742	771	719	797

Crop	Season	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2K	2000-01	2001-02	2002-03	2003-04	
Groundnut	Kharif	Area	7014.9	6635.3	6525	6456.8	6064.9	5886.2	5808.8	5705.2	5461	5272.4	5196.2
		Prod.	5706	6059	6052.3	6202.6	5900.4	6910	3800	4910	5622.3	3094.8	6859.5
		Yield	813	913	928	961	973	1174	654	861	1030	587	1320
	Rabi	Area	1306.9	1213.4	1000	1138.6	1023.3	1509.8	1058.5	853.4	777.1	663.1	790.8
		Prod.	2123	2002.5	1528.5	1386.8	1470	2070	1450	1500	1405.2	1026.3	1267
		Yield	1624	1650	1529	1218	1437	1371	1370	1758	1808	1548	1602
Total	Total	Area	8321.8	7848.7	7525	7595.4	7088.2	7396	6867.3	6558.6	6238.1	5935.5	5987
		Prod.	7829	8061.5	7580.8	7589.4	7370.4	8980	5250	6410	7027.5	4121.1	8126.5
		Yield	941	1027	1007	999	1040	1214	764	977	1127	694	1357
Rapeseed & Mustard	Rabi	Area	6289.4	6058.2	6546.7	6545.4	7041	6513.2	6026.8	4476.7	5073	4544	5428.1
		Prod.	5327.9	5757.9	5999.5	6659.9	4699.9	5659.9	5790	4190	5082.6	3879.8	6291.4
		Yield	847	950	916	1017	668	869	961	936	1002	854	1159
Soybean	Kharif	Area	4370.5	4317.9	5035	5441.7	5986.1	6488.9	6222.4	6416.6	6343.1	6105.5	6554.7
		Prod.	4745.2	3931.9	5095.6	5380.2	6460	7140	7080	5280	5962.7	4654.7	7818.9
		Yield	1086	911	1012	989	1079	1100	1138	823	940	762	1193
Sunflower	Kharif	Area	1378.6	695.4	902.6	795	590.5	732.9	473.4	419.1	309.3	531.9	610.7
		Prod.	503.2	338.5	446.9	390	239.6	240.1	200.1	240	155.1	271.5	306.1
		Yield	365	487	495	491	406	328	423	573	501	510	501
	Rabi	Area	1289.2	1302.9	1218.3	1136.7	1152.9	1091.8	814.7	654.7	867.5	1110.3	1392.8
		Prod.	845	881	810.3	859	649.5	709.8	489.8	409.9	524.4	601.1	624.3
		Yield	655	676	665	756	563	650	601	626	604	541	448
Total	Total	Area	2667.8	1998.3	2120.9	1931.7	1743.4	1824.7	1288.1	1073.8	1176.8	1642.2	2003.5
		Prod.	1348.2	1219.5	1257.2	1249	889.1	949.9	689.9	649.9	679.5	872.6	930.4
		Yield	505	610	593	647	510	521	536	605	577	531	464
Sesame	Kharif	Area	2217.4	1971.5	1825.9	1991.7	1660	1609	1560.2	1720	1670.6	1444.4	1700.3
		Prod.	563.7	586.7	531	640	570	530	479.9	520	697.8	441.3	782.1
		Yield	254	298	291	321	343	329	308	302	418	306	460

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Crop	Season	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2K	2000-01	2001-02	2002-03	2003-04
Linseed	Area	953.4	947.8	843.1	827.4	793.9	749.4	593.1	579.9	535.8	450.1	476.5
	Prod.	329.7	322.6	291.9	310	240	270	240	200	209.1	176.7	196.5
	Yield	346	340	346	375	302	360	405	345	390	393	412
Safflower	Area	793.1	790.8	679.7	712.5	619.8	440.2	438.5	424.8	404.3	369.5	363.9
	Prod.	521.5	422.9	383.3	450	120	240	260	200	220.6	178.5	134.9
	Yield	658	535	564	632	194	545	593	471	546	483	371
Castor	Area	684.5	779.2	789	740.4	641.3	682.4	781.6	1079.6	716.6	583.2	717.2
	Prod.	634.8	845.3	777.3	900	830	840.3	770	880	662.6	427.5	796.7
	Yield	927	1085	985	1216	1294	1231	985	815	911	733	1111
Niger	Area	598.8	591.7	600.6	522.8	520.9	494.8	480.1	439.9	478	414.4	431.7
	Prod.	195.64	190	190.0	149.9	139.9	139.6	150.3	110	129.9	86.2	108.9
	Yield	327	321	316	287	269	282	313	250	272	208	252
Total	Area	16264.7	14991	15678.1	15948.4	15463.7	15894.2	15326.5	15780.4	14978.6	14351.8	15210.8
	Prod.	12348.5	11951.4	13093.1	13662.7	14139.9	15800	12480.3	11940	13220.4	8976	16672.2
	Yield	759	797	835	857	914	994	814	757	883	625	1096
	Area	10632	10313.1	10287.8	10360.6	10630.9	10304.4	8931.6	6989.5	7657.7	7137	8452.1
	Prod.	9147.1	9386.9	9013.5	9665.7	7179.4	8949.7	8229.8	6499.9	7441.9	5862.4	8514.1
	Yield	860	910	876	933	675	869	921	930	972	821	1007
	Area	26896.7	25304.1	25965.9	26309	26094.6	26198.6	24258.1	22769.9	22636.3	21488.8	23662.9
	Prod.	21495.6	21338.3	22106.6	23328.4	21319.3	24749.7	20710.1	18439.9	20662.3	14838.4	25186.3
	Yield	799	843	851	887	817	945	854	810	913	691	1064

crop	season	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Groundnut	Kharif	Area	5786.3	5739.7	4780.3	5312.1	5285.8	4977.4	4316.1	3931.1	4645.4	3935.2	
		Prod.	5262.1	6297.9	3294.2	7362.4	5617.1	3852.2	6642.8	5126.9	3186.8	8058	5075.3
		Yield	909	1097	689	1386	1063	835	1335	1188	811	1735	1290
	Rabi	Area	854.1	996.3	834.8	979.9	879.1	861.5	878.7	947.7	789.9	859.8	749.4
		Prod.	1512.3	1695.4	1569.3	1820.1	1551	1576.3	1622	1836.8	1507.1	1655.9	1481.6
		Yield	1771	1702	1880	1857	1764	1830	1846	1938	1908	1926	1977
	Total	Area	6640.4	6736	5615.1	6292	6164.9	5477.5	5856.1	5263.7	4721	5505.2	4684.6
		Prod.	6774.4	7993.3	4863.5	9182.5	7168.1	5428.5	8264.8	6963.7	4693.9	9713.9	6557
		Yield	1020	1187	866	1459	1163	991	1411	1323	994	1764	1400
Rapeseed & Mustard	Rabi	Area	7316.4	7276.5	6790	5825.5	6298.1	5588	6900.5	5893.5	6362.6	6645.7	5791.5
		Prod.	7593.1	8131.2	7437.8	5833.6	7200.7	6608.1	8178.7	6603.7	8028.9	7876.7	6309.1
		Yield	1038	1117	1095	1001	1143	1183	1185	1121	1262	1185	1089
Soybean	Kharif	Area	7571.2	7707.5	8328.7	8881.7	9510.8	9734.7	9601	10109.1	10840.7	11716.4	11086.4
		Prod.	6876.3	8273.5	8850.8	10968.2	9905.4	9964.5	12736.4	12213.5	14666.5	11860.8	10527.7
		Yield	908	1073	1063	1235	1041	1024	1327	1208	1353	1012	950
Sunflower	Kharif	Area	873.1	919.4	860.4	761.9	661.5	567.7	315.3	260.2	301.1	248.1	199.4
		Prod.	431.1	455.8	365.5	462.8	357.1	214.4	191.8	147.4	187.2	154.1	106
		Yield	494	496	425	607	540	378	608	566	622	621	532
	Rabi	Area	1287.5	1420.2	1304.4	1149.7	1151.3	908.8	613.7	471.7	529.5	423.4	352.2
		Prod.	755.6	983.1	861.9	1000.2	800.9	636.3	459.2	369.3	356.9	349.9	309
		Yield	587	692	661	870	696	700	748	783	674	826	877
	Total	Area	2160.6	2339.6	2164.8	1911.6	1812.8	1476.5	929	731.9	830.5	671.5	551.6
		Prod.	1186.7	1438.9	1227.4	1463	1158	850.7	651.1	516.6	544.1	503.9	415
		Yield	549	615	567	765	639	576	701	706	655	750	752
Sesame	Kharif	Area	1844	1723.2	1703.2	1799.1	1809.1	1942.1	2083.2	1901.6	1705.8	1678.9	1778.5
		Prod.	674.1	641.1	618.4	756.9	640.3	588.4	893	810.3	685	714.6	811
		Yield	366	372	363	421	354	303	429	426	402	426	456

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crop	season	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Linseed	Rabi	Area	448.7	436.8	436.5	467.9	407.9	359.2	322.6	296.3	293.1	283.5	
		Prod.	169.7	172.5	167.9	163.4	169.2	153.7	146.5	152.5	148.6	141.7	152.7
		Yield	378	395	385	349	415	449	408	473	502	484	539
Safflower	Rabi	Area	369.1	364.6	377	320.3	294.6	243.8	250.4	183.5	177.7	210.7	
		Prod.	173.6	228.6	240.3	224.5	189.2	178.8	150.4	145.3	108.5	113.4	96.4
		Yield	470	627	637	701	642	621	617	580	591	638	457
Castor	Kharif	Area	743	864.2	628.4	786.9	866.2	734.9	880.3	1470.9	1233.6	1063.2	1105.4
		Prod.	793.4	990.7	762.3	1053.6	1171.1	1009	1350.3	2294.9	1963.5	1726.5	1733.3
		Yield	1068	1146	1213	1339	1352	1373	1534	1560	1592	1624	1568
Niger	Kharif	Area	429.9	414.4	469	407.6	393.4	371	364.4	310.4	298.7	234.2	
		Prod.	112.2	108	120.9	109.5	117	99.9	107.7	98.1	100.8	97.8	72.6
		Yield	261	261	258	269	297	266	290	269	325	328	310
Total	Kharif	Area	17247.5	17368.4	16770	17949.3	18526.7	17970.9	18228.4	18422.2	18322.7	19650.7	18339.1
		Prod.	14149.2	16767	14012.1	20713.4	17808	15728.4	21922	20691.1	20789.7	22611.8	18325.9
		Yield	820	965	836	1154	961	875	1203	1123	1135	1151	999
Total	Rabi	Area	10275.8	10494.4	9742.7	8743.3	9031	7988.1	8995.9	7885.9	8161.7	8399.8	7387.3
		Prod.	10204.3	11210.8	10277.2	9041.8	9911	9153.2	10556.9	9107.5	10150.1	10137.6	8348.9
		Yield	993	1068	1055	1034	1097	1146	1174	1155	1244	1207	1130
Total	Total	Area	27523.3	27862.8	26512.7	26692.6	27557.7	25959	27224.3	26308.1	26484.4	28050.5	25726.4
		Prod.	24353.5	27977.8	24289.3	29755.2	27719	24881.6	32479	29798.6	30939.8	32749.4	26674.8
		Yield	885	1004	916	1115	1006	958	1193	1133	1168	1168	1037

Source: Directorate of economics and Statistics, Department of Agriculture and Cooperation, Ministry of Agriculture, GOI

1.6 Crop-wise Per cent Area to Total Oilseeds Area in India

Year	Castor	Groundnut	Linseed	Niger	Rapeseed & Mustard	Safflower	Sesame	Soybean	Sunflower
1966-67	2.51	45.78	9.38	2.97	18.85	2.99	17.52	--	--
1967-68	2.64	45.37	10.67	2.81	19.48	3.08	15.94	--	--
1968-69	2.54	45.76	10.95	2.85	18.53	3.73	15.64	--	--
1969-70	2.53	44.89	11.36	3.04	19.99	3.66	14.54	--	--
1970-71	2.66	44.42	11.5	2.96	20.15	3.56	14.75	--	--
1971-72	2.65	43.86	12.06	2.88	21.1	3.49	13.97	--	--
1972-73	2.73	44.7	11.03	2.98	21.22	2.71	14.63	--	--
1973-74	3.29	42.27	12.27	3.32	20.8	3.69	14.36	--	--
1974-75	3.49	41.77	12.25	3.67	21.77	3.83	13.22	--	--
1975-76	2.27	43.73	12.83	3.73	20.22	4.08	13.14	--	--
1976-77	3.01	42.77	11.47	3.45	19.00	4.15	13.84	0.76	1.55
1977-78	2.21	40.94	11.71	3.55	20.88	4.12	13.89	1.13	1.57
1978-79	2.52	41.98	11.81	3.46	20.01	3.97	13.49	1.73	1.03
1979-80	2.6	42.29	9.52	3.44	20.49	4.33	14.03	2.93	0.36
1980-81	2.83	38.64	9.51	3.4	23.37	4.09	14.04	3.45	0.68
1981-82	2.95	39.29	9.63	3.19	23.27	3.96	13.71	2.51	1.49
1982-83	3.27	40.63	7.91	2.8	21.55	4.41	12.49	4.34	2.6
1983-84	3.34	40.34	7.96	3.21	20.73	4.45	11.79	4.47	3.72
1984-85	3.54	37.88	7.37	3.12	21.07	4.85	11.19	6.57	4.41
1985-86	3.35	37.46	7.49	3.34	20.93	4.79	11.66	7.04	3.95
1986-87	3.1	37.49	6.2	3.15	19.96	4.79	11.62	8.2	5.49
1987-88	2.38	34.00	5.72	3.17	22.95	5.23	10.7	7.66	8.2
1988-89	2.88	38.95	5.48	2.76	22.07	3.72	11.18	7.92	5.04
1989-90	3.08	38.2	4.93	2.73	21.79	3.69	10.47	9.88	5.23
1990-91	3.36	34.41	4.55	2.53	23.94	3.41	10.42	10.62	6.76
1991-92	2.75	33.48	3.42	2.47	25.32	1.94	10.15	12.3	8.17
1992-93	2.61	32.36	3.55	2.32	24.54	2.91	8.43	15.01	8.26
1993-94	2.54	30.94	3.54	2.23	23.38	2.95	8.24	16.25	9.92
1994-95	3.08	31.02	3.75	2.34	23.94	3.13	7.79	17.06	7.9
1995-96	3.04	28.98	3.25	2.31	25.21	2.62	7.03	19.39	8.17
1996-97	2.81	28.87	3.14	1.99	24.88	2.71	7.57	20.68	7.34

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Year	Castor	Groundnut	Linseed	Niger	Rapeseed & Mustard	Safflower	Sesame	Soybean	Sunflower
1997-98	2.46	27.16	3.04	2.00	26.98	2.38	6.36	22.94	6.68
1998-99	2.6	28.23	2.86	1.89	24.86	1.68	6.14	24.77	6.96
1999-00	3.22	28.31	2.44	1.98	24.84	1.81	6.43	25.65	5.31
2000-01	4.74	28.8	2.55	1.93	19.66	1.87	7.55	28.18	4.72
2001-02	3.17	27.56	2.37	2.11	22.41	1.79	7.38	28.02	5.2
2002-03	2.71	27.62	2.09	1.93	21.15	1.72	6.72	28.41	7.64
2003-04	3.03	25.3	2.01	1.82	22.94	1.54	7.19	27.7	8.47
2004-05	2.7	24.13	1.63	1.56	26.58	1.34	6.7	27.51	7.85
2005-06	3.1	24.18	1.57	1.49	26.12	1.31	6.18	27.66	8.4
2006-07	2.37	21.18	1.65	1.77	25.61	1.42	6.42	31.41	8.17
2007-08	2.95	23.57	1.75	1.53	21.82	1.2	6.74	33.27	7.16
2008-09	3.14	22.37	1.48	1.43	22.85	1.07	6.56	34.51	6.58
2009-10	2.77	21.11	1.32	1.45	21.54	1.11	7.49	37.52	5.69
2010-11	3.23	21.51	1.32	1.36	25.35	0.9	7.65	35.27	3.41
2011-12	5.56	20.08	1.23	1.06	22.49	0.96	7.26	38.57	2.79
2012-13	4.66	17.83	1.12	1.17	24.02	0.69	6.44	40.93	3.14
2013-14	3.79	19.63	1.04	1.07	23.69	0.63	5.99	41.77	2.39
2014-15	4.30	21.46	3.84	0.91	22.51	0.81	6.91	43.09	2.14

1.7 Crop-wise Per cent Production to Total Oilseeds Production in India

Year	Castor	Groundnut	Linseed	Niger	Rapeseed & Mustard	Safflower	Sesame	Soybean	Sunflower
1966-67	1.67	67.08	3.95	1.20	18.67	1.10	6.33	--	--
1967-68	1.43	67.59	5.17	1.15	18.49	0.92	5.25	--	--
1968-69	1.65	65.89	4.68	1.27	19.16	1.33	6.01	--	--
1969-70	1.54	64.33	5.88	1.23	19.61	1.79	5.62	--	--
1970-71	1.43	64.06	4.97	1.34	20.71	1.61	5.89	--	--
1971-72	1.71	68.73	5.89	1.29	15.93	1.45	5.00	--	--
1972-73	2.07	58.18	6.09	1.32	25.71	1.16	5.48	--	--
1973-74	2.50	64.61	5.49	1.48	18.56	2.08	5.28	--	--
1974-75	2.37	57.60	6.35	1.49	25.38	2.39	4.42	--	--
1975-76	1.39	65.58	5.80	1.46	18.80	2.31	4.65	--	--
1976-77	2.12	62.46	4.97	1.34	18.40	2.61	5.01	1.46	1.63
1977-78	2.25	63.01	5.45	1.53	17.07	1.94	5.38	1.90	1.46
1978-79	2.27	61.47	5.30	1.45	18.42	2.07	5.09	2.96	0.98
1979-80	2.60	66.01	3.08	1.21	16.34	3.20	3.98	3.23	0.36
1980-81	2.19	53.40	4.51	1.56	24.58	3.58	4.76	4.72	0.71
1981-82	2.57	59.80	3.99	1.33	19.72	3.49	4.89	2.91	1.32
1982-83	3.45	52.85	3.76	1.18	22.08	3.96	5.52	4.91	2.30
1983-84	3.19	55.83	3.50	1.39	20.55	3.95	4.40	4.84	2.35
1984-85	3.63	49.71	3.00	1.14	23.74	3.98	4.02	7.38	3.40
1985-86	2.85	47.27	3.47	1.78	24.75	3.21	4.63	9.46	2.59
1986-87	2.04	52.13	2.81	1.16	23.11	3.13	3.97	7.91	3.73
1987-88	1.54	46.26	3.11	1.42	27.30	3.65	4.61	7.10	5.02
1988-89	2.30	53.56	2.00	0.99	24.27	2.47	3.78	8.58	2.05
1989-90	3.06	47.87	1.92	1.10	24.38	2.87	4.40	10.67	3.73
1990-91	3.85	40.38	1.78	1.00	28.10	1.72	4.49	13.98	4.69
1991-92	3.10	38.14	1.57	0.97	31.52	1.09	3.80	13.40	6.42
1992-93	3.10	42.60	1.38	0.80	23.89	1.73	3.77	16.84	5.88
1993-94	2.95	36.42	1.53	0.91	24.79	2.43	2.62	22.08	6.27
1994-95	3.96	37.78	1.51	0.89	26.98	1.98	2.75	18.43	5.72
1995-96	3.52	34.29	1.32	0.86	27.14	1.73	2.40	23.05	5.69
1996-97	3.86	32.53	1.33	0.64	28.55	1.93	2.74	23.06	5.36
1997-98	3.89	34.57	1.13	0.66	22.04	0.56	2.67	30.30	4.17
1998-99	3.40	36.28	1.09	0.56	22.87	0.97	2.14	28.85	3.84
1999-00	3.73	25.46	0.72	0.73	28.08	1.26	2.33	34.34	3.35
2000-01	4.79	34.86	0.81	0.60	22.78	1.09	2.83	28.71	3.53
2001-02	3.16	34.01	1.01	0.63	24.60	1.07	3.38	28.86	3.29

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Year	Castor	Groundnut	Linseed	Niger	Rapeseed & Mustard	Safflower	Sesame	Soybean	Sunflower
2002-03	2.88	27.77	1.19	0.58	26.15	1.20	2.97	31.37	5.88
2003-04	3.16	32.27	0.78	0.43	24.98	0.54	3.11	31.04	3.69
2004-05	3.26	27.82	0.70	0.46	31.18	0.71	2.77	28.24	4.87
2005-06	3.54	28.57	0.62	0.39	29.06	0.82	2.29	29.57	5.14
2006-07	3.14	20.02	0.69	0.50	30.62	0.99	2.55	36.44	5.05
2007-08	3.54	30.86	0.55	0.37	19.61	0.75	2.54	36.86	4.92
2008-09	4.22	25.86	0.61	0.42	25.98	0.68	2.31	35.74	4.18
2009-10	4.02	21.83	0.62	0.40	26.57	0.72	2.37	40.06	3.42
2010-11	4.16	25.45	0.45	0.33	25.18	0.46	2.75	39.21	2.00
2011-12	7.68	23.40	0.51	0.22	22.19	0.49	2.72	41.04	1.74
2012-13	6.35	15.17	0.48	0.33	25.95	0.35	2.21	47.40	1.76
2013-14	5.27	29.66	0.43	0.30	24.05	0.35	2.18	36.22	1.54
2014-15	6.49	24.58	0.57	0.27	23.65	0.36	3.04	39.47	1.56

2. GROUNDNUT

2.1 World Area, Production and Yield of Groundnut

(Area in '000 ha; Prod in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1986	19072	21504	1128
1987	18802	21638	1151
1988	20537	25604	1247
1989	20319	23110	1137
1990	19752	23088	1169
1991	20625	23738	1151
1992	20610	24463	1187
1993	21042	26071	1239
1994	21975	28651	1304
1995	22051	28618	1298
1996	22391	31153	1391
1997	22452	29405	1310
1998	23226	33829	1457
1999	22832	31897	1397
2000	23252	34741	1494
2001	23083	35895	1555
2002	23025	33149	1440
2003	23076	36334	1575
2004	23712	36483	1539
2005	24051	38554	1603
2006	21541	33377	1549
2007	22670	37154	1639
2008	24218	38505	1590
2009	23976	37167	1550
2010	25481	42736	1677
2011	24742	40767	1648
2012	22785	39537	1735
2013	23503	42846	1823
2014	25670	42316	1648

Source: <http://faostat3.fao.org>

2.2 Area, Production and Yield of Groundnut in Major Countries of the World

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Country		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Argentina	Area	251.1	222.4	156.4	167.5	210.8	163.7	215.1	227.4	257.4	218.8	264.6	307.2	404	409.3
	Prod.	394.8	361.9	220.9	293	444.8	347.3	600	625.3	605.5	611	701.5	685.7	1025.9	1165.9
	Yield	1572	1627	1412	1749	2110	2122	2789	2750	2352	2793	2651	2232	2539	2849
Benin	Area	145.5	163.7	169.9	160.7	148.5	100.9	121.3	125	128	175.4	136.7	140	162.4	163
	Prod.	125.4	146.2	125	151.7	140.3	99.4	114.5	115.6	132.1	154.4	131.8	129.1	149.8	144.7
	Yield	862	893	736	944	945	985	944	925	1032	880	964	922	922	888
Brazil	Area	105	97.1	89.2	104.5	136	110.8	113.8	121.5	94.3	94.3	106.7	110.4	121	143
	Prod.	201.7	195.3	187.7	236.5	315.2	249.9	263.4	312.8	255.7	261.5	311.4	334.2	389.8	402.6
	Yield	1921	2011	2104	2263	2318	2255	2315	2575	2712	2773	2919	3027	3222	2815
Burkina Faso	Area	330.9	342.6	404.1	352.5	274.6	310.6	415.2	369.1	458.2	409.9	388.7	397.8	448.8	375
	Prod.	301.1	323.6	358.1	245.3	220.5	215.4	244.9	346.3	330.6	340.2	265.3	310.8	349.7	335.2
	Yield	910	945	886	696	803	694	590	938	722	830	683	781	779	894
Cameroon	Area	205	290.1	295.9	301.9	209.3	237	330.8	345.8	366.5	377.5	505.5	422.5	463.2	440
	Prod.	197.6	210.7	218	225.7	346.4	414	449.1	484.2	503.2	536.2	564.2	633.8	635.9	614
	Yield	964	726	737	748	1655	1747	1358	1400	1373	1420	1116	1500	1373	1396
Chad	Area	477.1	480	480	480	480	480	400	546.4	470	470	480	410	470	460
	Prod.	448.1	450	450	450	450	450	222.3	403.2	371	400	414	371	414	414
	Yield	939	938	938	938	938	938	556	738	789	851	863	905	881	900
China	Area	5016.4	4946.1	5082	4766.7	4684.6	3980.3	3968	4268.3	4398.4	4547.9	4604.4	4719.4	4651.6	4521.6
	Prod.	14471.8	14895.1	13493.5	14410.3	14395.5	12809.6	13079.4	14341.2	14764.9	15709	16114.2	16856.8	17019	15782.8
	Yield	2885	3012	2655	3023	3073	3218	3296	3360	3357	3454	3500	3572	3659	3491
Gambia	Area	138.9	105.6	107.9	116.6	105	110	117.6	133.7	148.3	135.5	111.9	116.5	100.3	81
	Prod.	151.1	71.5	92.9	135.7	107	114.5	72.6	109.6	122	137.6	83.9	119.6	93.9	80.7
	Yield	1088	677	861	1164	1019	1041	617	820	823	1016	750	1027	936	996

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ghana	Area	254	384	464.7	431.7	450	480	341.6	350.7	342.6	353.4	345.2	328.9	334
	Prod.	258	520	439	389.6	420	520	301.8	470.1	526	530.9	475.1	408.8	426.3
	Yield	1016	1354	945	903	933	1083	884	1341	1535	1502	1376	1243	1276
Guinea	Area	159.1	167.6	176.7	186.2	196.2	206.8	218	203.9	215	215	218	210	215
	Prod.	209.9	224.6	240.4	257.2	275.2	294.5	304.8	315.1	300.1	291.7	300	260	297
	Yield	1319	1340	1361	1381	1403	1424	1398	1545	1396	1357	1376	1238	1381
India	Area	6238.1	5935.5	5987	6640.4	6736	5615.1	6292	6164.9	5477.5	5860	4770	5250	5200
	Prod.	7027.5	4121.1	8126.5	6774.4	7993.3	4863.5	9182.5	7168.1	5428.5	8265	4695	9472	6557
	Yield	1127	694	1357	1020	1187	866	1459	1163	991	1410	984	1804	1261
Indonesia	Area	654.8	647	683.5	723.4	720.5	706.8	660.5	636.2	622.6	620.6	559.5	519.1	499.1
	Prod.	1245	1259	1378	1469	1467	1470	1384.4	1353.6	1364.7	1367	1251	1142	1100
	Yield	1901	1946	2016	2031	2036	2080	2096	2128	2192	2203	2236	2200	2204
Malawi	Area	181.3	205.7	230	218	248.3	244.6	258.1	266.1	266.9	295.2	353.2	362.8	345
	Prod.	155.2	157.9	190.1	153.4	141.1	203.1	261.8	243.2	275.2	297.5	368.1	380.8	352
	Yield	856	768	827	704	568	830	1014	914	1031	1008	1042	1050	1020
Mali	Area	197.1	273.6	252.5	219.6	259	334.7	330.5	395.8	335	337	344	373.4	335
	Prod.	139.8	191.5	214.7	161	279.5	265.5	324.2	388.4	300.6	314.5	478.9	515.3	538
	Yield	709	700	850	733	1079	793	981	981	897	933	1392	1380	1606
Mexico	Area	79.4	62	50.2	65.5	48	44.9	52.2	52	51.3	52.6	57.8	56.4	59
	Prod.	119.5	74.6	91.6	98.9	72.9	68.2	82.8	80.7	85.5	81.5	114.8	99.8	96.3
	Yield	1505	1203	1825	1510	1519	1519	1586	1552	1667	1549	1986	1770	1632
Mozambique	Area	237.3	326.7	292.5	293.9	424.4	322.9	396.9	458.2	357	365.9	389.3	398	416.5
	Prod.	109.2	101.1	87.5	90.2	93	86	102.9	102.5	97	157.7	112.9	117	140.1
	Yield	460	310	299	307	219	266	259	224	272	431	290	294	336
Myanmar	Area	586.1	567.2	654.4	654	684	730	755.5	815	844.3	866.5	477.2	479.2	484
	Prod.	731.1	756.6	877.7	946.3	1039.4	1024	1087.9	1202.2	1304.8	1362.5	843.5	853	865.9
	Yield	1247	1334	1341	1447	1520	1403	1440	1475	1545	1572	1768	1780	1789

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Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Niger	Area	192.3	334.6	423.4	349.3	308.8	310.1	375.3	675.5	588.7	795.8	690.9	741.3	777.2	778.9
	Prod.	82	149.6	185.6	159	139.1	135.9	147.7	308.5	253.5	406.2	395.7	291.8	331.1	403.4
	Yield	426	447	438	455	451	438	394	457	431	510	573	394	426	518
Nigeria	Area	1731	1878	1985	2097	2187	2224	2202.6	2336.4	2643.3	2789.2	2353.7	2659.8	2732.7	2770.1
	Prod.	2683	2855	3037	3250	3478	3825	2847.4	2872.7	2977.6	3799.2	2962.6	3313.5	2474.5	3413.1
	Yield	1550	1520	1530	1550	1590	1720	1293	1230	1127	1362	1259	1246	906	1232
Senegal	Area	920.5	813.7	524.8	747.3	772.3	594.3	607.2	836.8	1059.1	1195.6	865.8	709	916.8	878.7
	Prod.	887.4	260.7	440.7	602.6	703.4	460.5	331.2	731.2	1032.7	1286.9	527.5	692.6	677.5	669.3
	Yield	964	320	840	806	911	775	546	874	975	1076	609	977	739	762
South Africa	Area	165	94.2	49.9	71.5	40	48.6	40.8	54.2	54.6	57.5	55.2	45.5	47	52
	Prod.	222.3	133.7	66.9	115	64	74	58	88.8	99.5	88	64.3	59	42	75
	Yield	1347	1419	1341	1608	1600	1523	1422	1638	1822	1530	1165	1297	894	1442
South Sudan	Area	--	--	--	--	--	--	--	--	--	--	--	--	--	225
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	--	120
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	--	533
Sudan	Area	--	--	--	--	--	--	--	--	--	--	--	--	--	2104
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	--	1767
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	--	840
Uganda	Area	208	211	216	221	225	230	235	280	369	394	409	421	422	422.3
	Prod.	146	148	220	221	225	230	235	229.6	258	275.8	327	295	295.3	295.6
	Yield	702	701	1019	1000	1000	1000	1000	820	699	700	800	701	700	700
United Rep. Tanzania	Area	247.3	366.9	370.7	374.6	409.3	480	560	470.7	428.6	482.3	675.2	839.6	740	740
	Prod.	206.8	346.8	339.2	331.7	293.9	350	408.1	340.8	348	465.3	651.4	810	600	657
	Yield	836	945	915	886	718	729	729	724	812	965	965	965	811	888
USA	Area	571.4	524.8	531	564.1	659.2	489.3	483.6	609.9	436.7	507.9	437.3	649.1	422.1	536.2
	Prod.	1939.9	1506.2	1879.8	1945.1	2208.9	1576	1696.7	2341.6	1674.5	1885.5	1659.5	3063.5	1892.9	2363.3
	Yield	3395	2870	3540	3448	3351	3221	3509	3839	3834	3712	3795	4720	4485	4408

Country		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Viet Nam	Area	244.6	246.7	243.8	263.7	269.6	246.7	254.5	255.3	245	231.4	223.7	219.3	216.2	208.1
	Prod.	363.1	400.4	406.2	469	489.3	462.5	510	530.2	510.9	487.2	468.4	468.4	492	453.3
	Yield	1485	1623	1666	1779	1815	1875	2004	2077	2085	2105	2094	2136	2276	2178
Zambia	Area	108.5	88	88	88	108.2	96.4	124.6	121.4	204.1	254.6	209.2	176.2	207.2	237.4
	Prod.	41.4	60	60	60	74.2	84	55.2	70.5	120.6	163.7	278.8	113	106.8	143.6
	Yield	382	682	682	682	686	871	443	581	591	643	1333	641	515	605
Zimbabwe	Area	260	258.1	240	133.3	200.6	176.2	275.1	180	170	256.2	200	220	150	200
	Prod.	171.7	120	146.7	64.2	57.8	83.2	125	80	78.6	106.1	85	93	62.5	84
	Yield	660	465	611	482	288	472	454	444	462	414	425	423	417	420
Africa	Area	8838	9292	9107.5	9263.9	9396.5	8965.8	9378.2	10595	11088.4	12022.5	11832.8	10428.6	10870	13114
	Prod.	8636.9	8831	8860.7	9047.8	9281.5	9704.8	8442	9727.7	10406.3	11895	11120.2	10366.7	9514.2	12598
	Yield	977	950	973	977	988	1082	900	918	939	989	940	994	875	961
Americas	Area	1135.2	1041.9	972.4	1056.7	1221.5	965.9	1020	1160.6	980.5	1011.2	1013.4	1285.8	1184.4	1314.3
	Prod.	2862.1	2336.4	2636.5	2859.5	3352.8	2525.4	2928.7	3679	2897	3130	3001.6	4492.3	3749.7	4388.5
	Yield	2521	2242	2711	2706	2745	2615	2871	3170	2955	3095	2962	3494	3166	3339
Asia	Area	13080.4	12667.2	12967.7	13363.3	13404	11582.4	12243.7	12435.4	11880.5	12418.3	11871.4	11042.6	11424.1	11212.5
	Prod.	24346.6	21941.6	24780.6	24530.5	25874.3	21108.6	25752.7	25061	23829.8	27669.4	26613.2	24638.2	29544.1	25289.4
	Yield	1861	1732	1911	1836	1930	1823	2103	2015	2006	2228	2242	2231	2586	2256
Europe	Area	10.6	10.6	10.5	9.5	10.6	10.7	10.5	10.4	10.7	10.7	10.8	10.7	10.7	10.8
	Prod.	8.2	8.1	8.1	8.9	8.9	8.9	8.6	8.1	9.1	9.2	8.2	9.6	9.7	11.3
	Yield	774	764	771	937	840	832	819	779	851	860	759	897	907	1046
Oceania	Area	19	13.5	18	18.7	18.1	16.6	17.7	16.3	16	17.9	13.5	17.4	14.1	18.7
	Prod.	40.8	31.8	48.1	36.7	36.5	29	22.5	28.9	24.5	32.7	23.9	30.6	28.1	29.2
	Yield	2147	2356	2672	1963	2017	1747	1271	1773	1531	1827	1770	1759	1993	1562
World	Area	23083.2	23025.2	23076.1	23712.1	24050.7	21541.4	22670.1	24217.7	23976.1	25480.6	24741.9	22785.1	23503.3	25670.3
	Prod.	35894.6	33148.9	36334	36483.4	38554	33376.7	37154.5	38504.7	37166.7	42736.3	40767.1	39537.4	42845.8	42316.4
	Yield	1555	1440	1575	1539	1603	1549	1639	1590	1550	1677	1648	1735	1823	1649

Source: <http://faostat3.fao.org>

2.3 All India Area, Production and Yield of Groundnut

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Prod.	Yield	% Coverage under Irrigation	Year	Area	Prod.	Yield	% Coverage under Irrigation
1949-50	3979	3433	863	NA	1982-83	7214	5282	732	14.8
1950-51	4494	3481	775	NA	1983-84	7539	7086	940	16
1951-52	4917	3192	649	NA	1984-85	7168	6436	898	16.1
1952-53	4795	2929	611	1.2	1985-86	7124	5120	719	14.8
1953-54	4247	3445	811	1.5	1986-87	6982	5875	842	15.1
1954-55	5541	4245	766	1.7	1987-88	6844	5854	855	19
1955-56	5093	3801	746	1.7	1988-89	8529	9659	1133	18.6
1956-57	5532	4369	790	1.8	1989-90	8710	8101	930	17
1957-58	6420	4710	734	2.9	1990-91	8309	7515	904	18.6
1958-59	6251	5178	828	2.5	1991-92	8668	7095	819	19.1
1959-60	6442	4562	708	2.5	1992-93	8166	8565	1049	19.7
1960-61	6463	4812	744	3	1993-94	8322	7829	941	19
1961-62	6889	4994	725	3.4	1994-95	7849	8062	1027	19.9
1962-63	7283	5064	695	2.6	1995-96	7525	7581	1007	18.1
1963-64	6886	5298	769	3	1996-97	7595	7589	999	17.9
1964-65	7376	6004	814	2.9	1997-98	7088	7370	1040	19.5
1965-66	7428	4230	569	3.4	1998-99	7396	8980	1214	19.4
1966-67	7299	4411	604	4.8	1999-00	6867	5250	765	19
1967-68	7553	5731	759	5.4	2000-01	6559	6410	977	17.6
1968-69	7088	4631	653	5.1	2001-02	6238	7028	1127	17.3
1969-70	7125	5130	720	5.8	2002-03	5936	4121	694	16.5
1970-71	7326	6111	834	7.5	2003-04	5987	8127	1357	16.6
1971-72	7510	6181	823	7.3	2004-05	6640	6774	1020	17.8
1972-73	6990	4092	585	6.6	2005-06	6736	7993	1187	19.6
1973-74	7024	5932	845	9.1	2006-07	5615	4864	866	19.8
1974-75	7063	5111	724	8.2	2007-08	6292	9183	1459	20.3
1975-76	7222	6755	935	6.9	2008-09	6165	7168	1163	20.9
1976-77	7043	5264	747	5.9	2009-10	5478	5429	991	24.3
1977-78	7029	6088	866	8.1	2010-11	5856	8265	1411	22.4
1978-79	7433	6209	835	9.6	2011-12	5264	6964	1323	24.3
1979-80	7165	5768	805	12.1	2012-13	4721	4694	994	NA
1980-81	6801	5005	736	13.3	2013-14	5505	9714	1765	NA
1981-82	7430	7223	972	14.2	2014-15	4685	6557	1400	NA

Source: Various issues of Agriculture Statistics at a glance Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI-<http://eands.dacnet.nic.in/>

Note: 2014-15 : Fourth advance estimates.

NA - Not available

State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	643	274
Jharkhand	Area	-	-	-	-	-	-	21.2	22.0	14.2	25.5	17.0	23.5	22.5	24.5
	Prod.	-	-	-	-	-	-	14.8	18.4	10.7	23.3	20.4	27.5	26.9	24.8
	Yield	-	-	-	-	-	-	698	836	756	914	1196	1170	1194	1013
Karnataka	Area	709.7	716.9	677.8	813.0	868.0	617.0	737.0	694.0	609.0	659.0	509.0	405.0	473.0	474.0
	Prod.	420.1	393.7	294.6	599.0	512.0	268.0	578.0	378.0	344.0	562.0	331.0	227.0	399.0	383.0
	Yield	592	549	435	737	590	434	784	545	565	853	650	560	844	808
	Area	145.1	127.0	139.5	156.0	172.0	146.0	171.0	156.0	209.0	189.0	168.0	184.0	182.0	173.0
	Prod.	165.7	145.3	138.9	143.0	159.0	111.0	155.0	123.0	168.0	180.0	154.0	168.0	166.0	180.0
	Yield	1142	1144	996	917	924	760	906	788	804	952	917	913	912	1040
	Area	854.8	843.9	817.3	969.0	1040.0	763.0	908.0	850.0	818.0	848.0	677.0	589.0	655.0	647.0
	Prod.	585.8	539.0	433.5	742.0	671.0	379.0	733.0	501.0	512.0	742.0	485.0	395.0	555.0	563.0
	Yield	685	639	530	766	645	497	807	589	626	875	716	671	863	870
Kerala	Area	2.4	2.1	2.7	1.8	3.3	3.0	2.9	1.7	1.3	1.5	1.6	0.8	0.3	0.5
	Prod.	1.8	1.1	2.0	1.7	2.4	3.0	2.2	1.3	1.0	1.9	2.1	1.0	0.4	0.7
	Yield	750	524	741	944	727	1000	759	765	763	1267	1346	1274	1250	1433
	Area	-	-	-	-	-	-	-	-	-	-	0.1	0.0	0.4	-
	Prod.	-	-	-	-	-	-	-	-	-	-	0.1	0.0	0.5	-
	Yield	-	-	-	-	-	-	-	-	-	-	909	1111	1209	1636
	Area	-	-	-	-	-	-	-	-	1.3	1.5	1.7	0.8	0.7	-
	Prod.	-	-	-	-	-	-	-	-	1.0	1.9	2.2	1.0	0.9	-
	Yield	-	-	-	-	-	-	-	-	-	-	1318	1272	1225	1438
Madhya Pradesh	Area	217.4	208.1	217.7	209.5	208.2	204.0	198.7	199.7	188.1	201.6	213.0	205.7	206.9	231.0
	Prod.	243.6	131.5	252.3	242.7	234.4	193.4	186.8	227.6	217.9	301.6	344.6	311.7	324.2	370.0
	Yield	1121	632	1159	1158	1126	948	940	1140	1158	1496	1618	1515	1567	1602
Maharashtra	Area	353.4	351.0	324.0	347.0	337.0	342.0	329.0	254.0	260.0	275.0	238.0	238.0	244.0	194.0
	Prod.	382.2	336.0	355.0	359.0	280.0	254.0	366.0	258.0	264.0	346.0	257.0	236.0	296.0	191.0

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Slate	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
	Yield	1081	957	1096	1035	831	743	1112	1016	1015	1258	1080	992	1213	985
	Area	76.0	68.0	55.0	100.0	91.0	107.0	75.0	64.0	61.0	82.0	65.0	32.0	71.0	45.6
	Prod.	110.0	114.0	82.0	143.0	130.0	145.0	106.0	97.0	95.0	114.0	94.0	49.0	97.0	63.5
	Yield	1447	1676	1491	1430	1429	1355	1413	1516	1557	1390	1446	1531	1366	1394
	Area	429.4	419.0	379.0	447.0	428.0	449.0	404.0	318.0	321.0	357.0	303.0	270.0	315.0	239.6
	Prod.	492.2	450.0	437.0	502.0	410.0	399.0	472.0	355.0	359.0	460.0	351.0	285.0	393.0	254.5
	Yield	1146	1074	1153	1123	958	889	1188	1116	1118	1289	1158	1056	1248	1062
Manipur	Area	-	-	-	-	-	-	-	-	-	1.7	1.8	0.3	3.2	-
	Prod.	-	-	-	-	-	-	-	-	-	1.0	1.3	0.6	2.6	-
	Yield	-	-	-	-	-	-	-	-	-	612	727	2400	805	-
Nagaland	Area	1.0	2.0	2.0	5.5	0.3	1.0	1.0	0.7	0.7	0.7	0.8	0.8	0.9	-
	Prod.	1.2	2.5	3.0	7.0	0.3	1.0	1.1	0.7	0.6	0.7	0.8	0.8	0.9	-
	Yield	1200	1250	1500	1273	1000	1000	1100	1000	786	1000	1013	1012	1023	-
	Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Prod.	2.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	-
	Yield	-	-	-	-	-	-	-	-	-	0	-	-	-	-
Odisha	Area	31.0	27.2	31.1	33.0	38.1	36.4	33.6	34.4	34.4	35.1	29.9	27.7	25.8	22.4
	Prod.	23.7	18.7	26.9	29.0	31.8	32.9	33.0	33.7	33.3	34.3	24.8	29.6	28.7	23.1
	Yield	765	688	865	879	835	904	982	980	968	977	830	1070	1112	1030
	Area	30.9	28.9	46.1	53.0	52.7	42.4	50.5	49.1	41.9	37.7	36.4	38.7	34.1	26.0
	Prod.	37.3	30.1	66.3	77.0	74.5	54.8	69.5	62.8	55.9	51.3	54.0	52.0	58.1	43.7
	Yield	1207	1042	1438	1453	1414	1292	1376	1279	1334	1362	1486	1345	1704	1678
	Area	61.9	56.1	77.2	86.0	90.8	78.8	84.1	83.5	76.3	72.8	66.3	66.4	59.9	48.5
	Prod.	61.0	48.8	93.2	106.0	106.3	87.7	102.5	96.5	89.2	85.6	78.8	81.7	86.8	66.8
	Yield	985	870	1207	1233	1171	1113	1219	1156	1169	1176	1189	1231	1449	1378
Pondicherry	Area	1.2	1.3	1.3	1.6	1.6	1.6	0.8	0.7	0.4	0.4	0.3	0.3	0.4	-
	Prod.	1.9	2.0	2.5	3.2	3.1	3.1	1.5	1.6	0.9	0.8	0.4	0.7	0.9	-
	Yield	1583	1538	1923	2000	1938	1938	1875	2286	2103	1962	1406	2112	2486	-
	Area	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-

State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
	Prod.	-	-	-	-	-	-	-	-	-	-	0.0	0.1	-	-
	Yield	-	-	-	-	-	-	-	-	-	-	1027	2486	-	-
	Area	-	-	-	-	-	-	-	-	0.4	0.4	0.3	0.4	0.4	-
	Prod.	-	-	-	-	-	-	-	-	0.9	0.8	0.5	0.8	0.9	-
	Yield	-	-	-	-	-	-	-	-	-	-	1364	2150	2486	-
Punjab	Area	4.0	5.3	4.4	4.3	3.4	4.4	3.1	2.7	2.5	2.2	2.0	1.7	1.3	1.4
	Prod.	4.0	3.8	4.0	3.6	3.0	3.8	2.7	2.5	3.1	3.9	3.0	3.0	2.4	2.6
	Yield	1000	717	909	837	882	864	871	926	1240	1773	1500	1765	1846	1857
Rajasthan	Area	242.6	241.8	212.0	287.8	317.0	302.1	276.3	321.5	326.0	346.9	414.7	397.8	462.0	500.8
	Prod.	297.6	166.1	331.9	446.8	491.0	395.7	477.4	536.8	354.5	681.1	800.6	616.4	900.9	1011.1
	Yield	1227	687	1566	1552	1549	1310	1728	1670	1087	1963	1931	1549	1950	2019
	Area	-	-	-	-	-	-	-	-	-	-	3.5	0.7	-	3.7
	Prod.	-	-	-	-	-	-	-	-	-	-	4.7	0.9	-	4.6
	Yield	-	-	-	-	-	-	-	-	-	-	1370	1286	-	1258
	Area	-	-	-	-	-	-	-	-	326.0	346.9	418.1	398.5	462.0	504.5
	Prod.	-	-	-	-	-	-	-	-	354.5	681.1	805.4	617.3	900.9	1015.7
	Yield	-	-	-	-	-	-	-	-	1087	1963	1926	1549	1950	2013
Tamil Nadu	Area	463.3	350.8	414.4	424.0	351.8	370.0	361.3	327.3	284.5	268.2	249.1	224.0	215.8	181.8
	Prod.	700.3	401.9	537.9	491.3	536.7	491.9	512.0	547.8	491.6	504.6	548.5	423.3	477.6	450.2
	Yield	1511	1146	1298	1159	1526	1329	1417	1674	1728	1881	2202	1890	2213	2477
	Area	199.7	151.3	177.3	191.9	267.0	138.0	174.0	162.8	128.3	117.4	136.5	114.3	120.8	153.6
	Prod.	549.7	315.5	380.3	514.0	561.5	514.6	535.6	426.8	398.2	391.1	512.2	359.9	438.3	454.5
	Yield	2753	2085	2145	2678	2103	3729	3078	2622	3104	3331	3751	3149	3628	2958
	Area	663.0	502.1	591.7	615.9	618.8	508.0	535.3	490.1	412.8	385.6	385.6	338.3	336.6	335.4
	Prod.	1250.0	717.4	918.2	1005.3	1098.2	1006.5	1047.6	974.6	889.8	895.7	1060.7	783.2	915.9	904.7
	Yield	1885	1429	1552	1632	1775	1981	1957	1989	2155	2323	2751	2315	2721	2697
Tripura	Area	0.4	0.7	0.5	0.7	0.6	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.3	-
	Prod.	0.4	0.7	0.5	0.7	0.6	0.4	0.4	0.3	0.3	0.4	0.2	0.3	0.3	-
	Yield	1000	1000	1000	1000	1000	1000	1000	1000	1081	1333	1091	1091	1077	-

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State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
	Rabi	Area	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.4	0.4	-
		Prod.	0.1	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.5	0.5	0.4	-
		Yield	500	1000	1000	667	1000	1000	1000	1040	1000	1297	1315	1257	-
	Total	Area	0.6	1.0	0.7	0.9	0.6	0.7	0.5	0.4	0.6	0.6	0.6	0.6	-
		Prod.	0.5	1.0	0.7	0.9	0.6	0.7	0.5	0.5	0.7	0.7	0.7	0.7	-
		Yield	833	1000	1000	889	1000	1000	1000	1062	1167	1220	1229	1180	-
Uttar Pradesh	Kharif	Area	107.5	81.7	93.3	85.1	106.3	99.0	95.0	91.0	85.0	92.0	94.0	96.0	98.0
		Prod.	90.2	50.5	59.4	69.4	73.0	59.2	67.0	61.0	84.0	92.0	94.0	86.0	84.0
		Yield	839	618	637	816	730	598	705	670	988	1000	1000	896	857
Uttarakhand	Kharif	Area	0.8	1.0	3.0	3.0	2.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	-
		Prod.	1.0	1.0	2.0	3.0	2.0	1.0	2.0	2.0	1.2	1.0	1.2	1.2	1.0
		Yield	1250	1000	667	1000	2000	1000	2000	2000	1091	1000	1163	1176	1000
West Bengal	Kharif	Area	2.2	1.4	1.8	1.6	1.5	2.4	2.4	2.1	2.2	1.5	2.5	3.8	2.5
		Prod.	2.2	1.3	1.8	1.5	2.4	3.0	2.3	1.9	1.9	1.3	2.5	3.5	2.4
		Yield	1000	929	1000	938	1000	909	958	916	857	864	1000	917	960
	Rabi	Area	34.7	29.6	44.1	45.0	55.0	65.9	65.8	63.8	59.9	53.0	65.0	75.0	82.0
		Prod.	53.5	46.0	74.0	74.0	95.9	129.7	116.0	111.1	101.3	104.3	168.0	197.0	198.0
		Yield	1542	1554	1678	1644	1744	1968	1763	1742	1690	1969	2585	2627	2415
	Total	Area	36.9	31.0	45.9	46.6	57.4	69.2	68.2	65.9	62.1	54.4	67.5	78.8	84.5
		Prod.	55.7	47.3	75.8	75.5	98.3	132.7	118.3	113.0	103.2	105.6	170.5	200.5	200.4
		Yield	1509	1526	1651	1620	1713	1918	1735	1716	1661	1939	2526	2544	2372
All India	Kharif	Area	5461.0	5272.4	5196.2	5786.3	4780.3	5312.1	5285.8	4616.0	4977.4	4316.1	3931.1	4645.4	3935.2
		Prod.	5622.3	3094.8	6859.5	5262.1	6297.9	7362.4	5617.1	3852.2	6642.8	5126.9	3186.8	8058.0	5075.3
		Yield	21422	18071	22118	20206	20760	1386	1063	835	1335	1188	811	1735	1290
	Rabi	Area	777.1	663.1	790.8	854.1	996.3	834.8	879.1	861.5	878.7	947.7	789.9	859.8	749.4
		Prod.	1405.2	1026.3	1267.0	1512.3	1695.4	1820.1	1551.0	1576.3	1622.0	1836.8	1507.1	1655.9	1481.6
		Yield	13378	13312	13683	14871	14729	1857	1764	1830	1846	1938	1908	1926	1977
	Total	Area	6238.1	5935.5	5987.0	6640.4	6736.0	6292.0	6164.9	5477.5	5856.1	5263.7	4721.0	5505.2	4684.6
		Prod.	7027.5	4121.1	8126.5	6774.4	7993.3	9182.5	7168.1	5428.5	8264.8	6963.7	4693.9	9713.9	6557.0
		Yield	34800	31383	35801	35077	35489	1459	1163	991	1411	1323	994	1764	1400

2.5 District-wise Area, Production and Yield of Groundnut

(Area in '000 ha; Production in '000 Tonnes; Yield in kg/ha)

Andhra Pradesh

District	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Adilabad	Area	4	3.7	2.6	3.3	4.1	4.3	4.9	6	2.2	1.9	1	2	-	-
	Prod.	6.2	5.1	2.8	4.6	4.8	6.2	7.4	7.5	4.1	3.7	2	3	-	-
	Yield	1559	1369	1063	1430	1162	1444	1526	-	1259	1857	1592	1817	-	-
Ananthapuramu	Area	814.6	777.5	749.8	686	872.3	899	662.1	870.5	530.4	834.1	753.8	729.7	728.4	565.8
	Prod.	908.8	363	278.6	207.7	706.3	392	62.1	100	142	481	207.4	330	312.9	173.4
	Yield	1116	467	372	303	810	436	94	1260	115	577	275	452	430	306
Chittoor	Area	214.5	192.8	120.3	159.6	218.8	195.3	105.3	188.9	139.4	162	146.2	150.2	155.1	131.4
	Prod.	278.8	184.4	102.8	143.8	198.8	174.9	99.3	303	130.6	191.1	128.4	126.7	175.3	95.8
	Yield	1300	956	854	901	909	895	943	1814	691	1180	879	843	1131	729
YSR Kadapa	Area	176.8	140	106.2	129.4	218.9	207.3	62.6	141	130.1	160.6	57.1	64.6	59.5	27.3
	Prod.	206.7	78.5	36.6	55.1	154.8	59.4	45.6	64.4	95.7	138.9	60.5	43.1	80.7	22.4
	Yield	1169	561	344	426	707	286	729	1792	456	865	1061	667	1356	819
East Godavari	Area	1.1	0.6	0.6	0.7	0.5	0.6	0.5	0.5	0.6	0.4	0.3	0.3	0.2	0.4
	Prod.	1.6	1.1	1	1.1	1	1.4	1.1	1.1	1.3	0.7	0.6	0.6	0.4	1.1
	Yield	1405	1658	1681	1556	1933	2193	2043	-	2167	2282	2226	2329	2351	3132
Guntur	Area	4.2	5.3	3.8	8.6	4.8	5.1	3.9	5.2	3.8	4.7	5.1	7.2	5.2	4.6
	Prod.	9.2	13.1	7.9	11.4	11.8	16.5	8.5	12.6	10.2	13.5	14.3	14.2	17.7	21.1
	Yield	2178	2479	2099	1327	2466	3260	2193	-	2404	2852	2799	1969	3413	4538
Karimnagar	Area	22	19.2	15.2	16.8	17.8	14.1	13.5	16.8	14	10.8	7.9	9	-	-
	Prod.	34.8	30.9	21.2	31.8	17.9	26	25	30.2	21.4	15.6	12.8	14	-	-
	Yield	1584	1606	1390	1892	1007	1844	1847	-	1802	1454	1610	1510	-	-
Khammam	Area	7.5	6	4.4	6.7	6.1	6	5.4	6.8	6.6	6.4	5.3	7	-	-
	Prod.	10.8	10	5.5	8.2	7.9	8.3	8.7	10.9	9.2	12.1	9.4	10	-	-

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District	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Krishna	Yield	1448	1663	1243	1224	1311	1374	1620	-	1598	1403	1882	1762	1605	-	
	Area	8.9	6.5	4.4	7.6	9.7	6.6	6.3	9	8.2	5.5	4.1	4.2	4.8	4	1.8
	Prod.	16.4	12	7.4	12.1	22.7	13.8	15.7	20	20.4	10.9	8.5	8.7	11.7	7.5	4.5
Kurnool	Yield	1839	1858	1676	1590	2347	2084	2506	2222	2495	1974	2079	2057	2423	1857	2460
	Area	241.2	209.2	186.9	189.5	201.2	251.5	210.6	237	246.1	191.4	178.9	101.3	141.3	167.8	107.9
	Prod.	285.8	218.8	123.2	195.8	207	297.6	159.2	333	176.1	123.8	150.9	47.3	133	170.5	99.2
Mahaboobnagar	Yield	1102	1046	659	1034	1029	1183	756	1405	716	647	844	466	942	1016	920
	Area	110.6	108.6	90.3	75.4	76.4	88.4	82.8	99	99.5	118.5	113.4	105.8	105	-	-
	Prod.	98.1	97.4	58.8	68.6	72.3	104.2	88.8	194	162.9	218.6	228.6	154.6	193	-	-
Medak	Yield	887	897	651	911	946	1178	1072	1960	1638	1845	2016	1462	1835	-	-
	Area	6.5	5.4	3.2	4.9	3.2	2.7	2.2	-	1.8	2.2	1.3	1.2	2	-	-
	Prod.	8	7.6	5	6.9	5.1	3.8	3.8	-	3.6	3.8	2	1	2	-	-
Nalgonda	Yield	1223	1426	1533	1428	1596	1439	1714	-	1951	1730	1539	831	1077	-	-
	Area	45.6	34.2	29.5	35.5	36.8	35.1	27.1	32	25.3	25.4	22.6	17.8	22	-	-
	Prod.	37.4	30.3	19.1	31.7	28.1	34.1	23.4	32	25.7	33.8	24.3	18.8	34	-	-
SPSR SPSR Nellore	Yield	820	887	648	892	766	970	863	1000	1014	1333	1075	1056	1516	-	-
	Area	10.6	9.7	9.7	14.1	11.6	13.4	10.4	12	12.6	9.6	10.3	11.4	14.4	15.1	8.4
	Prod.	19	22.3	21.7	27.8	29.3	30.1	25.9	28	36.3	27.7	23.7	30.8	42.5	44.9	27.2
Nizamabad	Yield	1793	2298	2235	1966	2521	2258	2493	2333	2867	2890	2308	2700	2950	2982	3221
	Area	11.8	7.4	3.6	2.6	1.8	2.2	2	-	2.9	2.6	-	1.3	1	-	-
	Prod.	33.4	12.6	3.5	5.9	2.5	4.5	3.2	-	6.4	3.7	-	2.2	3	-	-
Prakasam	Yield	2833	1705	995	2301	1339	2042	1601	-	2222	1450	-	1672	2524	-	-
	Area	14.8	6.5	6.6	7.2	8.8	9.8	7.1	10	9.6	7.6	8.2	6.3	7.9	6.9	5
	Prod.	16.4	9.7	8.3	12.4	16.6	19.6	19.1	18	19.1	20.7	14.9	12.5	18.8	18.8	13.2
	Yield	1108	1509	1250	1726	1885	1999	2683	1800	1999	1809	1988	2382	2742	2663	

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Gujarat		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmedabad	Area	1.4	2.2	0.1	0.1	0.1	0.3	0.2	0.4	0.1	0.1	0.2	1
	Prod.	1.9	1.3	0.3	0.1	0.2	0.4	0.4	0.6	0.1	0.1	0.3	1
	Yield	1357.1	590.9	3000	1000	2000	1333.3	2000	1500	1000	1000	1500	1000
Amreli	Area	281.6	313.2	301.8	301.3	290.2	278.8	243.2	252.3	236	221	115.9	--
	Prod.	409	224.8	700.7	95.3	305.4	117	431.3	123.2	41.7	382.5	44.2	--
	Yield	1452.4	717.8	2321.7	316.3	1052.4	419.7	1773.4	488.3	176.7	1730.8	381.4	--
Anand	Area	--	--	0.4	0.3	0.4	0.7	0.9	0.5	0.4	0.7	0.9	6
	Prod.	--	--	0.6	0.4	0.7	1.2	1.4	1	0.8	1.2	1.6	13
	Yield	--	--	1500	1333.3	1750	1714.3	1555.6	2000	2000	1714.3	1777.8	2287
Banaskantha	Area	2.3	2.5	4.1	5.2	19.5	22.4	21.8	26.5	27.1	32.8	45.9	448
	Prod.	3.2	1.4	8.7	5.1	33.5	22.2	38.8	37.1	51	45.8	109.9	565
	Yield	1391.3	560	2122	980.8	1717.9	991.1	1779.8	1400	1881.9	1396.3	2394.3	1260
Bharuch	Area	2.7	1.5	1.9	1.5	1.3	2.2	1.8	2	2.7	3.6	4.4	9
	Prod.	3.7	1.7	3.4	2.2	2.2	2.1	2.8	3.2	3.7	6.6	8.2	10
	Yield	1370.4	1133.3	1789.5	1466.7	1692.3	954.5	1555.6	1600	1370.4	1833.3	1863.6	1096
Bhavnagar	Area	193.5	228.9	176	140.9	159.1	135.2	119.1	125.2	95.2	131.8	116.4	--
	Prod.	263.6	211.7	209	61.8	232.4	175.8	203.2	145	62	270.8	152.1	--
	Yield	1362.3	924.9	1187.5	438.6	1460.7	1300.3	1706.1	1158.1	651.3	2054.6	1306.7	--
Dahod	Area	--	--	1.8	3.2	2.1	1.8	2	1.3	0.8	1.5	1.4	16
	Prod.	--	--	3.8	3.5	3.6	2	3.6	1.9	0.8	2.8	2.5	28
	Yield	--	--	2111.1	1093.8	1714.3	1111.1	1800	1461.5	1000	1866.7	1785.7	1713
Dang	Area	4.2	4	4.3	0.3	5	4.8	5	5.2	4.9	4	4.5	--
	Prod.	5.9	2.1	9.8	0.4	8.7	5	8.8	7.4	5.2	7.3	7.4	--
	Yield	1404.8	525	2279.1	1333.3	1740	1041.7	1760	1423.1	1061.2	1825	1644.4	--
Gandhinagar	Area	0.5	1	2.6	2.9	2.1	2.9	3.6	3	3.7	2.9	3.4	29
	Prod.	0.6	0.6	5.5	3	3.7	3.1	6.5	4.5	4.2	5.3	6.5	49
	Yield	1200	600	2115.4	1034.5	1761.9	1069	1805.6	1500	1135.1	1827.6	1911.8	1680
Jamnagar	Area	410.6	446.4	439.5	424.7	428	334.7	365	399.4	393.2	396.3	336.5	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
	Prod. 573	16.5	948.3	411.5	651.7	474.5	615.6	656.5	664.2	717.4	629.1	--
	Yield 1395.5	37	2157.7	968.9	1522.7	1417.7	1686.6	1643.7	1689.2	1810.2	1869.5	--
Junagadh	Area 445.9	458.6	432.7	431.7	419.4	395.4	407.2	423	409.2	442.6	412.5	--
	Prod. 719.6	413.3	1189.3	594.2	865.5	454.7	732.7	809.2	372.2	956.7	735	--
	Yield 1613.8	901.2	2748.6	1376.4	2063.7	1150	1799.4	1913	909.6	2161.5	1781.8	--
Kheda	Area 0.8	0.8	1.1	0.7	0.3	0.6	1	2.2	1.6	0.9	1.1	6
	Prod. 1.2	0.8	1.9	0.8	0.5	0.9	1.8	3.3	1.7	1.7	1.8	8
	Yield 1500	1000	1727.3	1142.9	1666.7	1500	1800	1500	1062.5	1888.9	1636.4	1338
Kutch	Area 84	53.5	77.6	57.8	33.5	62.9	77.1	64	86.2	103.6	106.3	--
	Prod. 101.7	75.7	121.7	65	47.3	101.4	120.9	102.3	139.2	170.1	190.2	--
	Yield 1210.7	1415	1568.3	1124.6	1411.9	1612.1	1568.1	1598.4	1614.8	1641.9	1789.3	--
Mehsana	Area 4.7	4.2	3.7	2.8	4.2	4.9	3.7	5.2	3.3	3.8	4	48
	Prod. 6.6	2.1	8.4	2.5	7.2	4.9	6.5	7.1	3.2	7	6.7	30
	Yield 1404.3	500	2270.3	892.9	1714.3	1000	1756.8	1365.4	969.7	1842.1	1675	612
Narmada	Area --	--	1.5	1.3	1.8	3.1	2.9	2.9	2.8	4.2	5	30
	Prod. --	--	1.9	2.1	2.5	5.4	3.8	5.3	5.2	7.4	9.6	68
	Yield --	--	1266.7	1615.4	1388.9	1741.9	1310.3	1827.6	1857.1	1761.9	1920	2287
Navsari	Area --	--	0.3	0.3	0.2	0.1	0.2	0.3	0.2	0.6	0.6	2
	Prod. --	--	0.5	0.3	0.2	0.1	0.3	0.4	0.2	1	1	1
	Yield --	--	1666.7	1000	1000	1000	1500	1333.3	1000	1666.7	1666.7	863
Panchmahal	Area 1.4	1.8	4.5	2.1	2.3	2.7	3.8	3	2.1	3.6	6.2	47
	Prod. 1.4	1.7	7.5	3.3	3	4.1	5.1	5.2	3.7	6.4	11.7	103
	Yield 1000	944.4	1666.7	1571.4	1304.3	1518.5	1342.1	1733.3	1761.9	1777.8	1887.1	2210
Patan	Area --	--	--	--	--	--	--	0.1	--	--	0.1	1
	Prod. --	--	--	--	--	--	--	0.1	--	--	0.1	49
	Yield --	--	--	--	--	--	--	1000	--	--	1000	490
Porbandar	Area --	--	75.4	85.7	88.4	82.8	90.8	89.7	85.9	83.3	76.2	--
	Prod. --	--	239.4	95.5	184.4	140.8	143.5	213.6	170.4	73.7	165.6	--
	Yield --	--	3175.1	1114.4	2086	1700.5	1580.4	2381.3	1983.7	884.8	2173.2	--

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Rajkot	Area	368.3	430.8	370.7	420.2	382	387.5	386.8	367.4	321.2	287.6	--
	Prod.	465.9	54	858.3	330.7	812.5	809.7	375.9	100.3	651	396.5	--
	Yield	1265	125.3	2315.3	787	2127	2089.5	971.8	273	2026.8	1378.7	--
Sabarkantha	Area	35.9	36.6	43.5	46.9	48.5	70.3	60.8	63.1	77.5	78.9	795
	Prod.	32	29.3	64	50.8	103.6	48	62.8	71.9	122.2	94.5	1849
	Yield	891.4	800.5	1471.3	1083.2	2136.1	768	995.7	1139.5	1576.8	1197.7	2326
Surat	Area	20.3	15.3	20.5	16.5	19	14.3	6.3	8	8.2	8	19
	Prod.	25.9	22.2	25.4	23.9	26	21.1	8.7	10.5	10.2	8.6	31
	Yield	1275.9	1451	1239	1448.5	1368.4	1475.5	1381	1312.5	1243.9	1075	1597
Surendranagar	Area	23.4	22	25.3	23.2	23.5	18.4	21.8	12.6	25.3	15.9	132
	Prod.	23.3	26.8	45.5	35.2	45.5	41.2	42.7	13	46.3	37.4	216
	Yield	995.7	1218.2	1798.4	1517.2	1936.2	2320.7	1834.9	1031.7	1830	2352.2	1636
Tapi	Area	--	--	--	--	--	--	8.8	7.6	13.2	13.4	81
	Prod.	--	--	--	--	--	--	17.6	17.1	21.1	28.5	163
	Yield	--	--	--	--	--	--	2000	2250	1598.5	2126.9	2017
Vadodara	Area	5.4	5.5	14.1	15.3	11.1	17.1	16.5	8.3	38.8	40.6	32
	Prod.	7.1	8	23.6	24.3	17.8	28	28.7	14.4	60	67.3	43
	Yield	1314.8	1454.5	1673.8	1588.2	1603.6	1637.4	1739.4	1734.9	1546.4	1657.6	1327
Valsad	Area	0.8	0.6	--	0.1	--	0.2	0.2	0.2	0.2	0.4	3
	Prod.	1	0.4	--	0.1	--	0.4	0.3	0.2	0.4	0.5	1
	Yield	1250	666.7	--	1000	--	1000	2000	1000	2000	1250	375

Karnataka

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Bagalkot	Area	14.5	15.9	17.5	25.2	26.1	22.4	22.3	18.8	23.8
	Prod.	17.7	14.9	24.5	29.1	23.2	14.9	18.3	18	22.1
	Yield	1220.7	937.1	1400	1154.8	888.9	665.2	820.6	957.4	928.6
Bangalore Rural	Area	12.3	10.756	11.3	17.1	14.6	7.927	0.656	0.722	0.535
	Prod.	14.1	10.363	10.1	23.1	11	4.12	0.648	0.717	0.327
	Yield	1146.3	963.5	893.8	1350.9	753.4	519.7	987.8	993.1	611.2
Bangalore Urban	Area	0.2	0.081	0.105	0.22	0.229	0.207	0.121	0.118	0.212
	Prod.	0.1	0.046	0.052	0.118	0.125	0.066	0.099	0.067	0.084
	Yield	500	567.9	495.2	536.4	545.9	318.8	818.2	567.8	396.2
Belgaum	Area	61.1	67.4	52.7	79.5	73.9	70.1	67.7	51	51.7
	Prod.	45	42.4	38.1	47.5	37.1	36.5	46.8	30.2	31.5
	Yield	736.5	629.1	723	597.5	502	520.7	691.3	592.2	609.3
Bellary	Area	66.9	58.9	57.4	73	74.7	68.4	68.4	72	71
	Prod.	58	37.2	38.9	31.3	32.6	21.9	52.7	24	23.4
	Yield	867	631.6	677.7	428.8	436.4	320.2	770.5	333.3	329.6
Bidar	Area	2.5	2.1	1.7	1.6	1.3	1.4	1.4	1.1	1.1
	Prod.	1.9	1.6	1	0.8	0.7	0.7	0.7	0.7	0.7
	Yield	760	761.9	588.2	500	538.5	500	500	636.4	636.4
Chamarajnagar	Area	16	18.2	18.39	20.9	22.9	12.992	11.2	16.455	16.921
	Prod.	20.8	13.2	8.887	21.5	19.392	7.27	7.2	9.634	9.314
	Yield	1300	725.3	483.3	1028.7	846.8	559.6	642.9	585.5	550.4
Chikkaballapur	Area	--	--	--	--	--	--	42.4	45.7	21.7
	Prod.	--	--	--	--	--	--	39.9	30.3	10.5

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Chikkamagaluru	Yield	--	--	--	--	--	--	941	663	483.9
	Area	5.3	4.7	3.2	4.6	5.5	4.9	4.6	3.7	4.8
	Prod.	4.7	3.5	2.2	3.2	4.4	2.3	3.3	3.5	4.9
Chitradurga	Yield	886.8	744.7	687.5	695.7	800	469.4	717.4	945.9	1020.8
	Area	157.8	150.3	149.8	159.5	167.3	98.4	146.8	148.2	123.9
	Prod.	108	110.4	52.4	149.6	100.5	31.5	114.2	33.4	66.6
Davanagere	Yield	684.4	734.5	349.8	937.9	600.7	320.1	777.9	225.4	537.5
	Area	18.6	19.3	19.2	20.8	21.2	15.1	19.7	18.6	19.9
	Prod.	20.6	16.1	16.6	18.6	18.3	10.3	18.1	13.3	19.7
Dharwad	Yield	1107.5	834.2	864.6	894.2	863.2	662.1	918.8	715.1	989.9
	Area	20.9	30.6	37.1	37.9	47	33.8	34.5	41.1	39.1
	Prod.	8.1	21.8	5.7	26.5	22.4	22.4	28	19.2	36.7
Gadag	Yield	387.6	712.4	153.6	699.2	476.6	662.7	811.6	467.2	938.6
	Area	55.9	63.8	35.9	57.8	67.1	55.8	54.6	49.8	68.4
	Prod.	19.6	16.9	7.2	28.8	23.6	16.5	30	19.9	24.9
Gulbarga	Yield	350.6	264.9	200.6	498.3	351.7	295.7	549.5	399.6	364
	Area	63.8	64.2	61	59.1	60.6	52.2	52.3	41.3	60
	Prod.	50.2	62.9	50	41	49	24.6	39.4	26.7	38.8
Hassan	Yield	786.8	979.8	819.7	693.7	808.6	471.3	753.3	646.5	646.7
	Area	1.9	2.4	1	2.7	2.2	1.6	1.3	0.8	1.3
	Prod.	1.3	1.9	0.8	3	2.6	0.9	1	0.7	0.7
Haveri district	Yield	684.2	791.7	800	1111.1	1181.8	562.5	769.2	875	538.5
	Area	23.6	23.9	23.9	25.6	27.1	20.4	19.6	20.9	20.4
	Prod.	13.3	11.6	11.4	18.4	15.3	14.3	15.3	13.1	13.9

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Kodagu	Yield	563.6	485.4	477	718.8	564.6	701	780.6	626.8	681.4
	Area	0.002	0.003	0.002	0.043	0.01	0.01	0.017	0.038	0.033
	Prod.	0.001	0.002	0.001	0.038	0.005	0.003	0.013	0.025	0.026
Kolar	Yield	500	666.7	500	883.7	500	300	764.7	667.9	787.9
	Area	54.8	33.5	43.2	50.279	52.1	38.1	10.895	12.535	7.864
	Prod.	30.9	10.6	30.9	32.072	37	12	11.282	7.626	7.05
Koppal	Yield	563.9	316.4	715.3	637.9	710.2	315	1035.5	608.4	896.5
	Area	47	45.1	43.4	41.8	44.9	32.3	31.9	41.9	48.1
	Prod.	43.9	23.5	28.7	22.5	25.4	11	23.4	25.6	25.7
Mandya	Yield	934	521.1	661.3	538.3	565.7	340.6	733.5	611	534.3
	Area	5.8	2.027	2.75	4.1	4.257	2.423	2.512	1.746	1.218
	Prod.	4.5	1.73	3.249	4.8	2.548	1.017	1.91	1.135	1.424
Mysore	Yield	775.9	853.5	1181.5	1170.7	598.5	419.7	760.4	650.1	1169.1
	Area	7.8	6.3	5.043	7.9	14.6	9.4	10	4	5.817
	Prod.	7	4.9	2.942	6.3	9	3.8	6.8	2.8	4.313
Raichur	Yield	897.4	777.8	583.4	797.5	616.4	404.3	680	700	741.4
	Area	40.4	42.3	36.6	35.4	44.3	39.7	46.6	39.2	38.9
	Prod.	28.3	29.1	24.6	29	34.7	29.1	37.7	29.8	25.8
Ramanagara	Yield	700.5	687.9	672.1	819.2	783.3	733	809	760.2	663.2
	Area	--	--	--	--	--	--	7.82	7.752	7.577
	Prod.	--	--	--	--	--	--	5.817	3.939	5.46
Shimoga	Yield	--	--	--	--	--	--	743.9	508.1	720.6
	Area	2.5	2.9	4.3	3.9	3.5	2.1	1.6	1.5	0.9
	Prod.	2.3	2.9	4	5.1	3.4	2.2	1.8	1.9	0.9

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Tumkur	Yield	920	1000	930.2	1307.7	971.4	1047.6	1125	1266.7	1000
	Area	140.2	119.8	141.2	152.6	175.7	98.9	159.1	156.6	99.7
	Prod.	53.1	67.2	45.8	101.9	77.3	24.8	135.4	46.1	36.1
Udupi	Yield	378.7	560.9	324.4	667.8	440	250.8	851	294.4	362.1
	Area	2.3	2.2	2	2	2	2	2.1	2.1	2.1
	Prod.	4.2	3.3	3.1	3.4	3.9	4	4.3	4.2	4.5
Uttara Kannada	Yield	1826.1	1500	1550	1700	1950	2000	2047.6	2000	2142.9
	Area	3.3	3.5	3.6	3.6	3.5	3.2	3.1	3	2.9
	Prod.	5.2	5.4	5	5.4	4.9	4.4	4.9	4.1	4.8
Vijayapura	Yield	1575.8	1542.9	1388.9	1500	1400	1375	1580.6	1366.7	1655.2
	Area	29.2	54	45	81.5	83.4	69.6	85	49.5	77.7
	Prod.	23.1	25.2	17.2	31	37.7	26.3	42.7	27.3	37.4
	Yield	791.1	466.7	382.2	380.4	452	377.9	502.4	551.5	481.3

Madhya Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Anuppur	Area	-	0.517	0.518	0.492	0.532	0.539	0.539	0.475	0.464	0.54	0.594	0.556
	Prod.	-	0.37	0.43	0.34	0.359	0.286	0.449	0.268	0.356	0.558	0.759	0.517
	Yield	-	716	830	691	675	531	833	564	767	1033	1278	930
Ashok Nagar	Area	-	0.343	0.429	0.546	0.508	0.493	0.502	0.469	0.51	0.487	0.387	0.42
	Prod.	-	0.454	0.682	0.743	0.635	0.683	0.707	0.68	0.931	0.944	0.731	0.651
	Yield	-	1324	1590	1361	1250	1385	1408	1450	1825	1938	1889	1550
Balaghat	Area	0.138	0.3	0.197	0.09	0.438	0.432	0.535	0.801	0.817	0.751	0.698	0.63
	Prod.	0.129	0.235	0.174	0.121	0.426	0.399	0.532	0.663	1.074	0.89	1.045	0.67
	Yield	935	783	883	1344	1022	924	994	828	1315	1185	1497	1063
Barwani	Area	17.41	17.254	17.155	17.69	15.75	14.031	14.837	13.105	11.788	10.797	9.348	9.772
	Prod.	13.584	12.486	15.505	10.144	9.148	8.487	11.162	10.164	12.266	13.691	14.33	11.647
	Yield	780	724	904	573	581	605	714	685	1041	1268	1533	1192
Betul	Area	5.488	6.353	8.451	6.39	5.652	5.705	5.585	5.517	5.535	5.542	5.339	5.052
	Prod.	6.29	5.532	9.968	7.085	6.04	5.367	5.941	6.143	8.068	7.783	7.437	8.66
	Yield	1146	871	1180	1109	1069	941	1082	1113	1458	1404	1393	1714
Bhind	Area	0.008	0.007	0.007	0.004	0.002	0.002	0.001	-	-	-	-	-
	Prod.	0.007	0.006	0.006	0.006	0.002	0.001	0	-	-	-	-	-
	Yield	875	857	857	1500	1000	500	0	-	-	-	-	-
Bhopal	Area	0.24	0.296	0.401	0.413	0.426	0.377	0.406	0.377	0.319	0.332	0.349	0.318
	Prod.	0.274	0.266	0.424	0.424	0.467	0.382	0.464	0.433	0.479	0.53	0.679	0.327
	Yield	1142	899	1057	1027	1096	1013	1143	1161	1502	1596	1946	1028
Burhanpur	Area	-	-	0.677	0.556	0.512	0.584	0.5	0.505	0.475	0.434	0.427	0.428
	Prod.	-	-	0.709	0.654	0.498	0.579	0.558	0.534	0.779	0.724	0.933	0.534
	Yield	-	-	1047	1176	973	991	1116	1101	1640	1668	2185	1248
Chhatarpur	Area	7.621	6.855	7.058	6.857	7.376	6.472	7.507	7.276	6.458	5.943	9.637	11.054
	Prod.	5.653	2.575	4.936	4.434	4.233	3.142	3.87	4.79	4.557	4.632	13.357	12.292
	Yield	742	376	699	647	574	485	516	658	777	779	1386	1112
Chindwara	Area	24.34	27.915	28.047	25.894	25.862	24.813	26.113	23.514	19.856	23.431	17.663	17.484
	Prod.	24.143	19.364	43.512	42.097	30.549	32.963	34.895	32.791	33.169	62.172	30.009	43.444

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Damoh	Yield	992	694	1551	1626	1181	1328	1336	1377	1670	2653	1699	2485
	Area	1.22	0.948	0.803	0.53	0.434	0.3	0.283	0.292	0.245	0.268	0.184	0.093
	Prod.	1.164	0.518	0.688	0.581	0.484	0.228	0.207	0.285	0.334	0.351	0.253	0.073
Datia	Yield	954	546	857	1096	1115	760	731	921	1363	1310	1375	785
	Area	11.045	8.285	9.245	9.314	8.34	5.998	5.714	2.809	5.345	5.159	6.088	6.599
	Prod.	12.407	5.033	9.089	7.137	7.622	4.079	3.715	2.693	4.332	5.96	5.543	7.842
Dewas	Yield	1123	607	983	766	914	680	650	974	1115	1074	1395	1188
	Area	0.439	0.387	0.6	0.603	0.577	0.654	0.564	0.582	0.709	0.656	0.397	0.276
	Prod.	0.611	0.347	0.633	0.863	0.681	0.719	0.615	0.667	0.825	0.958	0.558	0.421
Dhar	Yield	1392	897	1055	1431	1180	1099	1090	1164	1460	1406	1961	1525
	Area	4.383	4.931	5.138	4.697	4.349	4.396	4.335	3.908	3.547	3.364	2.77	2.864
	Prod.	3.613	4.051	5.251	4.968	3.662	3.604	3.802	3.656	3.313	4.145	3.385	5.24
Dindori	Yield	824	822	1022	1058	842	820	877	936	900	1169	1231	1830
	Area	0.008	0.012	0.016	0.009	0.008	0.005	0.013	0.007	0.008	0.01	0.014	0.016
	Prod.	0.009	0.008	0.011	0.011	0.006	0.004	0.011	0.007	0.009	0.011	0.021	0.016
Guna	Yield	1125	667	688	1222	750	800	846	1000	1125	1500	1429	1000
	Area	0.497	0.41	0.143	0.106	0.083	0.107	0.095	0.106	0.12	0.084	0.077	0.085
	Prod.	0.754	0.425	0.204	0.172	0.113	0.133	0.114	0.148	0.145	0.14	0.126	0.178
Gwalior	Yield	1517	1037	1427	1623	1361	1243	1200	1396	1667	1636	2204	2094
	Area	1.613	0.828	0.778	0.461	0.494	0.436	0.334	0.231	0.231	0.302	0.29	0.488
	Prod.	1.955	0.653	0.91	0.573	0.539	0.254	0.166	0.18	0.183	0.426	0.32	0.732
Harda	Yield	1212	789	1170	1243	1091	583	497	779	792	1411	1103	1500
	Area	0.004	0.005	0.005	0.004	0.003	0.004	0.003	-	-	-	-	0.002
	Prod.	0.003	0.003	0.003	0.004	0.003	0.004	0.003	-	-	-	-	0.001
Hoshangabad	Yield	750	600	600	1000	1000	1000	1000	-	-	-	-	500
	Area	0.047	0.07	0.057	0.07	0.076	0.125	0.158	0.136	0.076	0.05	0.067	0.054
	Prod.	0.048	0.052	0.054	0.07	0.077	0.097	0.154	0.117	0.063	0.056	0.08	0.047
Indore	Yield	1021	743	947	1000	1013	776	975	860	829	1194	1441	870
	Area	0.164	0.38	0.391	0.388	0.298	0.323	0.301	0.212	0.295	0.275	0.257	0.116
	Prod.	0.176	0.326	0.432	0.498	0.314	0.286	0.296	0.226	0.355	0.404	0.324	0.123

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Jabalpur	Yield	1073	858	1105	1284	1054	885	983	1066	1203	1305	1369	1261	1060
	Area	0.136	0.13	0.105	0.107	0.101	0.098	0.09	0.075	0.067	0.036	0.165	0.173	0.158
	Prod.	0.143	0.11	0.127	0.17	0.127	0.113	0.071	0.096	0.078	0.051	0.21	0.355	0.257
Jhabua	Yield	1051	846	1210	1589	1257	1153	789	1280	1164	1417	1273	2052	1627
	Area	14.992	15.391	15.929	17.328	18.834	19.561	18.704	8.031	7.273	6.811	6.78	6.563	6.593
	Prod.	12.853	11.751	15.062	15.964	18.111	15.136	19.211	8.105	5.854	8.725	7.837	4.574	13.071
Katni	Yield	857	763	946	921	962	774	1027	1009	805	1281	1156	697	1983
	Area	0.013	0.01	0.004	0.006	0.007	0.009	0.01	0.009	0.009	0.01	0.009	0.011	0.029
	Prod.	0.01	0.006	0.003	0.006	0.006	0.004	0.006	0.007	0.006	0.009	0.009	0.01	0.053
Khandwa	Yield	769	600	750	1000	857	444	600	778	667	900	1000	909	1828
	Area	5.892	5.34	4.195	3.976	3.841	3.707	3.523	3.252	3.172	3.091	2.801	2.57	2.474
	Prod.	4.715	5.084	4.396	4.33	3.734	3.345	3.939	3.807	3.498	4.448	2.778	3.043	5.741
Khargaan	Yield	800	952	1048	1089	972	902	1118	1171	1103	1439	992	1184	2321
	Area	15.266	14.942	14.363	12.991	11.897	11.812	11.559	11.123	10.286	9.664	8.308	6.869	7.226
	Prod.	11.596	9.717	14.314	9.607	8.103	9.787	10.532	9.687	8.582	11.135	11.546	7.611	10.372
Mandla	Yield	760	650	997	740	681	829	911	871	834	1152	1390	1108	1435
	Area	0.006	0.015	0.013	0.018	0.018	0.013	0.011	0.008	0.005	0.007	0.016	0.003	0.002
	Prod.	0.005	0.01	0.011	0.017	0.014	0.009	0.008	0.006	0.004	0.007	0.016	0.005	0.001
Mandsaur	Yield	833	667	846	944	778	692	727	750	800	1000	1000	1667	500
	Area	1.465	1.703	1.824	1.642	1.243	1.386	1.306	1.382	1.222	1.227	1.512	1.356	1.362
	Prod.	1.446	0.859	1.752	1.455	0.753	1.021	1.073	1.227	0.964	1.562	1.855	2.291	1.702
Morena	Yield	987	504	961	886	606	737	822	888	789	1273	1227	1690	1250
	Area	0.159	0.153	0.154	0.154	0.072	0.048	0.076	0.139	0.165	0.175	0.183	0.133	0.164
	Prod.	0.167	0.085	0.151	0.174	0.069	0.035	0.059	0.126	0.141	0.176	0.187	0.144	0.133
Narsimpur	Yield	1050	556	981	1130	958	729	776	906	855	1006	1022	1083	811
	Area	0.118	0.191	0.088	0.064	0.091	0.054	0.091	0.082	0.089	0.071	0.094	0.11	0.104
	Prod.	0.193	0.176	0.13	0.109	0.21	0.109	0.195	0.181	0.195	0.189	0.248	0.407	0.187
Neemach	Yield	1636	921	1477	1703	2308	2019	2143	2207	2191	2662	2638	3700	1798
	Area	5.012	4.913	4.601	4.412	3.037	3.452	3.361	3.437	3.098	2.995	3.53	3.799	3.865
	Prod.	4.945	2.288	5.051	4.144	3.243	2.923	2.685	3.835	3.012	4.493	4.737	5.338	4.643

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Panna	Yield	987	466	1098	939	1068	847	799	1116	972	1500	1342	1405
	Area	0.201	0.117	0.127	0.168	0.123	0.14	0.075	0.073	0.156	0.139	0.214	0.243
	Prod.	0.198	0.061	0.089	0.153	0.09	0.089	0.041	0.056	0.135	0.158	0.254	0.304
Raigarh	Yield	985	521	701	911	732	636	547	767	865	1137	1187	1251
	Area	-	-	-	-	-	1.162	-	-	-	-	-	-
Raisen	Prod.	-	-	-	-	-	0.951	-	-	-	-	-	-
	Yield	-	-	-	-	-	818	-	-	-	-	-	-
	Area	0.069	0.101	0.131	0.142	0.238	0.31	0.303	0.257	0.266	0.261	0.249	0.162
Raigarh	Prod.	0.084	0.099	0.164	0.192	0.264	0.319	0.33	0.294	0.308	0.367	0.337	0.205
	Yield	1217	980	1252	1352	1109	1029	1089	1144	1158	1406	1353	1265
	Area	1.071	1.107	1.151	1.172	1.371	-	1.235	1.157	1.155	1.139	1.184	1.342
Ratlam	Prod.	0.656	0.431	1.225	1.229	1.189	-	1.289	1.054	1.001	1.319	1.397	2.007
	Yield	613	389	1064	1049	867	-	1044	911	867	1158	1180	1496
	Area	0.254	0.407	0.41	0.377	0.302	0.333	0.375	0.219	0.368	0.416	0.372	0.428
Rewa	Prod.	0.287	0.264	0.5	0.4	0.348	0.332	0.413	0.244	0.389	0.583	0.568	0.743
	Yield	1130	649	1220	1061	1152	997	1101	1114	1057	1401	1527	1736
	Area	0.011	0.003	0.004	-	-	0.001	-	0.001	0.007	0.001	-	0.01
Sagar	Prod.	0.007	0.001	0.003	-	-	0	-	0	0.005	0.002	-	0.007
	Yield	636	333	750	-	-	0	-	0	714	2000	-	700
	Area	1.819	2.047	1.799	1.666	1.353	1.399	1.11	1.329	1.087	0.948	1.125	1.058
Satna	Prod.	1.51	0.68	1.632	1.665	1.128	1.011	0.85	1.066	0.885	1.548	1.28	1.167
	Yield	830	332	907	999	834	723	766	802	814	1633	1138	1103
	Area	0.014	0.014	0.03	0.041	0.033	0.03	0.021	0.043	0.036	0.026	0.04	0.022
Sehore	Prod.	0.017	0.01	0.032	0.045	0.037	0.024	0.017	0.04	0.034	0.038	0.061	0.044
	Yield	1214	714	1067	1098	1121	800	810	930	944	1462	1525	2000
	Area	0.385	0.419	0.427	0.427	0.457	0.459	0.479	0.483	0.473	0.499	0.473	0.514
Seoni	Prod.	0.322	0.38	0.458	0.53	0.475	0.424	0.415	0.424	0.473	0.757	0.691	0.899
	Yield	836	907	1073	1241	1039	924	866	878	1000	1517	1461	1749
	Area	5.807	6.077	6.051	5.455	5.184	4.884	4.556	4.446	4.374	4.319	4.014	4.791

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Prod.	7.828	6.553	8.281	7.311	5.743	5.08	4.746	4.733	5.687	5.095	6.104	4.426
	Yield	1348	1078	1369	1340	1108	1040	1067	1082	1317	1269	1274	979
	Area	0.607	0.604	0.097	0.091	0.08	0.083	0.141	0.18	0.142	0.198	0.191	0.181
Shahdol	Prod.	0.504	0.329	0.076	0.07	0.066	0.056	0.118	0.1	0.12	0.212	0.168	0.24
	Yield	830	545	784	769	825	675	837	556	845	1071	880	1326
	Area	1.433	1.719	1.885	1.821	1.58	1.599	1.623	1.507	1.406	1.704	1.571	0.577
	Prod.	1.43	1.194	2.183	2.438	1.579	1.298	1.541	1.403	1.811	2.285	2.664	0.597
	Yield	998	695	1158	1339	999	812	906	931	1288	1341	1696	1035
	Area	0.972	0.465	0.087	0.065	0.046	0.082	0.262	0.618	0.67	0.55	0.374	0.067
Sheopur Kala	Prod.	0.931	0.129	0.118	0.109	0.043	0.078	0.927	0.614	0.798	0.694	0.632	0.109
	Yield	958	277	1356	1677	935	951	1031	994	1191	1262	1690	1627
	Area	64.492	56.256	62.315	65.508	64.227	64.797	72.096	81.537	83.353	103.129	107.254	95.391
	Prod.	85.194	23.779	72.06	88.01	95.638	71.852	101.816	125.992	146.962	188.889	193.379	179.668
	Yield	1321	423	1156	1344	1489	1109	878	1545	1763	1832	1803	1883
	Area	0.021	0.05	0.045	0.05	0.046	0.039	0.051	0.002	0.002	0.003	0.003	0.002
Sidhi	Prod.	0.017	0.034	0.041	0.053	0.038	0.029	0.001	0.001	0.002	0.004	0.003	0.003
	Yield	810	680	911	1060	826	744	500	500	1000	1333	1000	1500
	Area	16.35	16.426	16.973	17.531	17.681	14.852	15.813	17.385	16.32	16.851	17.613	20.017
Tikamgarh	Prod.	28.955	9.972	24.291	19.435	17.926	10.149	16.461	15.3	21.766	21.656	26.948	25.758
	Yield	1771	607	1431	1109	1014	683	1194	880	1334	1285	1530	1287
	Area	0.158	0.27	0.315	0.507	0.538	0.43	0.311	0.231	0.199	0.207	0.192	0.199
Ujjain	Prod.	0.153	0.164	0.422	0.609	0.489	0.495	0.43	0.385	0.354	0.322	0.424	0.21
	Yield	968	607	1340	1201	909	1151	1383	1463	1779	1556	2208	1055
	Area	0.009	0.008	0.018	0.015	0.012	0.015	0.016	0.017	0.018	0.02	0.025	0.017
Umaria	Prod.	0.007	0.004	0.015	0.013	0.009	0.011	0.013	0.01	0.016	0.019	0.026	0.013
	Yield	778	500	833	867	750	733	765	714	889	950	1040	765
	Area	2.656	0.666	1.183	0.939	0.684	0.666	0.467	0.397	0.371	0.417	0.367	0.815
Vidisha	Prod.	3.89	0.709	1.658	1.506	0.917	0.786	0.657	0.534	0.606	0.726	0.704	1.214
	Yield	1465	1065	1402	1604	1341	1180	1214	1345	1633	1741	1918	1490

Maharashtra		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmednagar	Area	16.7	11.6	5.5	14.8	14.4	14.4	0.1	2.6	3.6	4.2	11.3	5.2
	Prod.	21.7	13.9	5	15.6	18.6	17.9	0.1	2.2	2.7	3.6	13.8	3.6
	Yield	2353	2397	2465	1968	2195	2365	2423	846	750	857	1221	692
Akola	Area	1.4	0.9	0.8	0.5	0.9	2.2	0	--	--	--	2.5	3
	Prod.	1.6	1.8	0.8	0.3	1.3	2.8	0	--	--	--	4.8	7.2
	Yield	1143	2000	2000	600	2500	1273	1095	--	--	--	1920	2400
Amravati	Area	3.5	2.5	2	2	2.3	2.3	0	1.3	0.8	0.8	1.9	2.6
	Prod.	3.5	1.5	1.7	2.1	3	3.4	0	0.5	0.5	0.6	2.3	4.1
	Yield	2000	1583	2098	2453	2769	3192	2375	385	625	750	1211	1577
Aurangabad	Area	5.9	8.4	9	8.6	7.7	8.9	0.1	3.6	4.4	5.9	5.8	5.6
	Prod.	2.8	6.2	4.5	5.9	4.8	6.8	0.1	3.1	4	4.9	4.7	3
	Yield	1668	2707	1494	1682	2100	1756	2212	861	909	831	810	536
Beed	Area	12.4	11.2	9.9	8.9	11.7	11.6	0.1	6	5.9	4.9	7.9	5.1
	Prod.	7.1	6.5	4.4	5.8	7.5	8	0.1	3.2	3.7	3	7.3	3
	Yield	1403	1452	1720	1687	1359	1556	1603	533	627	612	924	588
Bhandara	Area	--	0.3	0.2	0.2	0.2	0.3	0	--	--	--	0.1	0.1
	Prod.	--	0.2	0.2	0.2	0.1	0.3	0	--	--	--	04	0.1
	Yield	--	1500	2000	2000	500	2000	1500	--	--	--	400	1000
Buldhara	Area	3.3	2.1	1.1	0.6	0.4	1.7	0	0.4	--	0.2	1.5	1.2
	Prod.	2.2	1.7	1	0.3	0.3	1.7	0	0.1	--	0.2	2.3	1.6
	Yield	1593	1786	1857	1000	1667	1849	1733	250	--	1000	1533	1333
Chandrapur	Area	0.1	0.1	--	0.1	0.1	0.1	0	--	--	--	0	01
	Prod.	0.1	0.2	--	0.1	0.1	0.1	0	--	--	--	0	02
	Yield	1000	2000	--	1000	1000	1000	1500	--	--	--	0	2000
Dhule	Area	38.4	39.4	37.9	37.5	32.9	37.6	0.5	23.1	21.6	21.1	19.8	20.2
	Prod.	29.7	27.4	39.8	36	21.9	27.8	0.4	8.5	16.7	27.9	18.9	18.2
	Yield	2201	1830	2162	2222	1651	1827	2132	368	773	1322	955	901

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Gadchiroli	Area	--	--	0.1	--	--	--	--	--	--	--	0	01
	Prod.	--	--	0.1	--	--	--	--	--	--	--	0	02
	Yield	--	--	1000	--	--	--	--	--	--	--	0	2000
Gondia	Area	0.1	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.1	--	--	--	--	--	--	--	--	--	--	--
	Yield	1000	--	--	--	--	--	--	--	--	--	--	--
Hingoli	Area	4.2	5.3	3.1	0.8	8.2	9.7	0	--	--	--	3.5	1.1
	Prod.	5.7	6.7	3.3	0.6	10.2	10.6	0	--	--	--	2.84	1.2
	Yield	1357	1794	1435	1333	1244	1093	1167	--	--	--	811	1091
Jalana	Area	2.3	1.3	1.2	2.7	2.7	1.9	0	0.6	0.6	0.5	0.4	0.4
	Prod.	1.6	1.1	0.9	2.2	2.7	1.4	0	0.3	0.5	0.4	0.3	0.3
	Yield	1724	1833	1727	1633	1950	1524	1750	500	833	800	750	750
Jalgaon	Area	7.7	8.3	8.7	7.8	5.6	5.6	0.1	1.3	1.4	1.9	3.5	2.9
	Prod.	5.6	8.5	9.1	7.7	6	6.7	0.1	1	1.5	2.4	5	3.7
	Yield	1744	2223	2152	2121	2427	2518	1983	769	1071	1263	1429	1276
Kolhapur	Area	69.3	68	66.5	69	67	61.6	0.6	57.4	58.2	58.3	51.5	52.6
	Prod.	137.8	110.6	116	116.7	85.1	65.6	1	82.2	79.8	88.4	67.7	73.2
	Yield	4229	4294	4382	4059	3879	3677	4236	1432	1371	1516	1315	1392
Latur	Area	14.6	14	12.6	12.9	12.1	11.2	0.1	3	2.4	2.7	6.9	5.6
	Prod.	5.3	5.1	2.5	4	7.5	5.8	0.1	1.4	0.8	1.5	5.6	5.4
	Yield	1345	862	694	1294	1709	1019	1384	467	333	556	812	964
Mandurbar	Area	12.7	13.9	16.4	17.7	17.4	18.8	0.2	6.1	7.6	8.6	12.7	12.5
	Prod.	9.3	14.9	19.2	16.9	23.8	22.3	0.2	4.6	3.7	7.2	15.3	12.4
	Yield	1654	2427	2366	1906	2707	2416	2461	754	487	837	1205	992
Nagpur	Area	10.8	7.4	7.7	6.9	6.9	6.7	0.1	6.1	5.7	4	3.3	2.9
	Prod.	7.8	5.1	7	3.6	6.2	6.5	0.1	4.2	4.3	3.5	2.9	3.9
	Yield	1873	2634	1905	1507	1892	2118	2125	689	754	875	879	1345

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	
Nanded	Area	10.3	7.6	7	5	9.5	9.5	0	1	0.8	0.3	7.8	5.3
	Prod.	11.3	10.6	10.1	5.5	12.7	11.2	0	0.5	0.2	0.2	7.8	5.9
	Yield	1609	2092	1971	1400	1874	1709	1823	500	250	667	1000	1113
Nasik	Area	36.1	36.4	37.5	37.4	34.2	37.8	0.4	28.8	23.4	32.4	28.8	30.2
	Prod.	24.1	34.8	28.3	32.1	30	27.6	0.4	26.3	16.7	27.5	29.6	26.4
	Yield	1660	2538	2431	1852	1969	1853	2241	913	714	849	1028	874
Osmanabad	Area	9.3	8.4	7.9	9.7	14.1	15.9	0.1	9.9	10.7	9.2	8.7	8.3
	Prod.	3.6	4.5	2.2	6.7	13	13.7	0.1	5.1	5.4	6.1	5.4	3
	Yield	1337	2068	1269	2094	1848	1726	1813	515	505	663	621	361
Parbhani	Area	4.5	6.2	4.1	2.8	8.5	8.6	0	--	--	0.1	6.6	4.2
	Prod.	4.4	7.8	4.4	1.8	6.4	9.1	0	--	--	0.1	6.8	2.5
	Yield	1500	1638	1465	1013	753	2059	1545	--	--	1000	1030	595
Pune	Area	47.6	45	47.7	52.5	51.2	51.1	0.5	31	33.1	35.7	46.1	44.6
	Prod.	61.3	46.1	56.1	52.2	49.9	43.7	0.6	29.4	29.2	45.9	52.7	43.3
	Yield	3168	3183	2684	2714	2890	2573	2972	948	882	1286	1143	971
Raigad	Area	0.3	0.3	0.3	0.3	0.3	0.3	0	0.1	0.1	0.1	0.3	0.3
	Prod.	0.4	0.4	0.4	0.4	0.4	0.5	0	0.1	0.1	0.1	0.5	0.4
	Yield	2500	2500	2500	2500	2500	3000	2500	1000	1000	1000	1667	1333
Ratnagiri	Area	0.5	0.4	0.4	0.5	0.4	0.4	0	0.2	0.2	0.2	0.2	0.1
	Prod.	1.1	0.7	0.9	0.9	0.6	0.5	0	0.1	0.2	0.2	0.3	0.1
	Yield	3500	3000	3667	3333	3000	2500	3500	500	1000	1000	1500	1000
Sangli	Area	35.3	37.3	16.9	32.9	36.2	36.9	0.4	20.6	25.5	28.1	24.4	22.6
	Prod.	29.9	26.6	12	25.4	24.3	21.1	0.4	14.1	27.1	36	22.2	17.6
	Yield	2619	2790	3189	2620	2641	2552	2984	684	1063	1281	910	779
Satara	Area	60.9	61.2	59.4	64.9	63	62.2	0.5	46.3	49.3	50.1	46.9	50.7
	Prod.	89.1	78.1	89.3	94.6	56.7	52	0.8	67.4	63.1	81.6	69.1	67.2
	Yield	4035	4518	3797	3819	3222	3141	3859	1456	1280	1629	1473	1325

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Sindhudurg	Area	4.9	4.8	4.9	4.8	5.3	0.1	2.1	2.1	2	4.9	4.1
	Prod.	8.6	10	8.6	8.7	8.8	0.1	1.4	2.1	2	7.8	6.5
	Yield	2902	3404	3014	3021	2985	3186	667	1000	1000	1592	1585
Solapur	Area	6.5	5.9	2.1	9.9	11.7	0.1	1.1	2.5	3.4	6.1	4.2
	Prod.	6.9	4	0.9	9	11.6	0.1	1.1	1.1	1.8	6.2	4.5
	Yield	1738	1431	1333	1859	1978	1852	1000	440	529	1016	1071
Thane	Area	0.4	0.4	0.4	0.4	0.5	0	0.3	0.2	0.3	0.1	0.1
	Prod.	0.5	0.9	0.5	0.5	0.6	0	0.2	0.2	0.3	0.1	0.2
	Yield	2500	4500	2500	2500	2667	3000	667	1000	1000	1000	2000
Wardha	Area	2.8	2.2	2.1	2.6	3.3	0	0.6	0.2	0.2	2.8	2.8
	Prod.	2.1	2	1.9	2.3	3.4	0	0.4	0.1	0.1	3.9	3.9
	Yield	1708	2667	1967	1873	2015	2246	667	500	500	1393	1393
Washim	Area	0.3	0.2	0.2	0.1	0.4	0	--	--	--	0.3	0.9
	Prod.	0.3	0.3	0.2	0.1	0.6	0	--	--	--	0.6	1
	Yield	2000	3000	2000	1000	1500	833	--	--	--	2000	1111
Yavatmal	Area	6.3	7.7	5.2	1.2	12.5	0.1	0.1	0.1	--	6.2	8.7
	Prod.	6.5	11.9	5.5	0.8	21.4	0.1	0.1	0.1	--	8.1	14.3
	Yield	1717	2553	2059	1200	2718	2132	1000	1000	1000	1306	1644

Odisha

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Angul	Area	5.1	3.8	3.2	4.1	10.6	4.6	3.656	3.589	4.2	3.1	2.4	3.5	1.9
	Prod.	3.6	2.6	2.9	3.9	10.2	4.9	3.36	3.7	3.9	3	2.5	3.9	2.2
	Yield	706	684	906	951	962	1065	919	1031	929	968	1042	1114	1158
Balangir	Area	1.4	2.6	4.2	4.9	10.611	6	5.724	5.108	6.1	6.1	4.963	5.2	4.534
	Prod.	1.1	1.5	3.4	4.2	7.61	4.985	5.622	4.91	5.9	5.8	3.175	6.3	5.661
	Yield	786	577	810	857	717	831	982	961	967	951	640	1212	1249
Balasore	Area	1.2	1.5	2.1	3.6	5	3.7	3.9	4.2	2.3	1.8	2.9	2.4	1.5
	Prod.	1.2	1.5	2.3	4	6.8	4.656	3.9	3.7	1.9	1.9	4.5	3.3	2.1
	Yield	1000	1000	1095	1111	1360	1258	1000	881	826	1056	1552	1375	1400
Bargarh (Baregarh)	Area	15.9	13.9	23	18.8	41.6	18.9	19.7	19.7	17.7	16.9	14.6	13.7	14.6
	Prod.	13.2	11.2	24.6	17.6	40	17.5	21.7	21.1	18.2	17.1	13.4	15.3	16.8
	Yield	830	806	1070	936	962	926	1102	1071	1028	1012	918	1117	1151
Bhadrak	Area	0.1	0.05	0.067	0.083	0.4	0.03	0.2	0.2	0.223	0.06	0.008	0.004	0.01
	Prod.	0.1	0.052	0.094	0.057	0.4	0.017	0.1	0.2	0.131	0.047	0.018	0.006	0.01
	Yield	1000	1040	1403	687	1000	567	500	1000	587	783	2250	1500	1000
Boudh (Bauda)	Area	0.034	0.018	0.031	0.068	0.379	0.15	0.074	0.057	0.124	0.036	0.097	0.082	0.052
	Prod.	0.027	0.012	0.026	0.055	0.454	0.139	0.06	0.049	0.081	0.026	0.068	0.058	0.033
	Yield	794	667	839	809	1198	927	811	860	653	722	701	707	635
Cuttack	Area	1.6	2.5	3.7	3.6	7.495	3.175	4.5	3.17	2.9	2.1	1.7	1.861	1.52
	Prod.	1.4	2.1	4.9	3.6	8	3.686	5.6	3.598	3.4	2.2	2.1	2.039	1.921
	Yield	875	840	1324	1000	1067	1161	1244	1135	1172	1048	1235	1096	1264

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Debagarh (Deogarh)	Area	0.3	0.1	0.9	0.7	1.7	1.104	0.4	0.301	0.228	0.111	0.298	0.086
	Prod.	0.3	0.1	1.1	0.5	1.8	1.104	0.4	0.299	0.224	0.114	0.4	0.142
	Yield	1000	1000	1222	714	1059	1000	1000	993	983	1027	1342	1651
Dhenkanal	Area	5.1	5.5	5.8	6.9	11.8	4	5.619	4.501	4.4	2.55	4.648	1.852
	Prod.	5	4.2	6.8	8.1	15.7	4.7	7.226	5.201	5.7	3.748	6.698	3.999
	Yield	980	764	1172	1174	1331	1175	1286	1156	1296	1470	1441	2159
Gajapati	Area	0.5	0.1	0.5	0.7	0.16	0.13	0.262	0.22	0.348	0.245	0.293	0.5
	Prod.	0.6	0.1	0.6	0.7	0.121	0.122	0.146	0.216	0.337	0.344	0.293	0.5
	Yield	1200	1000	1200	1000	756	939	557	982	968	1404	1000	1000
Ganjam	Area	3.7	3.8	4.1	5.4	15.022	5.7	5.4	4.199	3.2	2	2.3	2.837
	Prod.	4	4.2	5.6	6.7	19.827	7.3	7.3	5.5	4.5	2.5	3	3.466
	Yield	1081	1105	1366	1241	1320	1281	1352	1310	1406	1250	1304	1222
Jagatsinghpur	Area	0.7	0.9	1.4	1.1	2.8	1.6	0.9	1.9	1	0.8	0.9	1
	Prod.	0.7	1.3	1.5	1.5	3.8	2	1.1	2.7	1.3	1	1.4	1.8
	Yield	1000	1444	1071	1364	1357	1250	1222	1421	1300	1077	1556	1800
Jajpur	Area	10.3	9.9	11.5	13.8	29.007	13.427	12.401	11.809	10.74	13.007	11.408	10.569
	Prod.	13.1	10.1	19.1	22.9	47.003	18.321	19.401	16.104	21.502	21.4	11.206	19.2
	Yield	1272	1020	1661	1659	1620	1365	1565	1364	1592	1645	982	1813
Jharsuguda	Area	0.093	0.01	0.2	0.3	0.376	0.098	0.071	0.252	0.146	0.576	0.284	0.133
	Prod.	0.081	0.007	0.2	0.2	0.358	0.092	0.068	0.257	0.104	0.398	0.3	0.184
	Yield	871	700	1000	667	952	939	958	1020	712	691	1056	1384
Kalahandi	Area	0.9	1.3	2.2	1.4	4.5	1.8	1.4	2.6	2.2	2.6	3	2.2
	Prod.	0.8	0.8	2.2	1	2.7	1.3	1.3	2.4	2.1	2.4	3.1	2.4
	Yield	889	615	1000	714	600	722	929	923	955	923	1033	1091

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kandhamal	Area	0.2	0.4	0.5	0.5	0.824	0.233	0.329	0.419	0.262	0.344	0.377	0.408
	Prod.	0.1	0.3	0.4	0.4	0.615	0.223	0.321	0.319	0.243	0.233	0.271	0.312
Kendrapara	Yield	500	750	800	800	746	957	761	928	677	719	688	765
	Area	2.6	2.5	1.6	3.2	10.6	3.1	4	2.4	1.9	3.1	2.3	1.7
	Prod.	2.4	2.6	2.1	4.6	14.4	3.6	5.1	2.3	2.2	3.1	2.5	3.3
	Yield	923	1040	1313	1438	1359	1161	1275	958	1158	1000	1087	941
Kendujhar (Keonjhar)	Area	0.4	0.4	0.7	0.5	1.009	0.37	0.196	0.156	0.333	0.232	0.202	0.175
	Prod.	0.3	0.3	0.7	0.4	0.704	0.226	0.145	0.105	0.312	0.242	0.203	0.178
	Yield	750	750	1000	800	698	611	740	673	937	1043	1005	860
	Area	0.7	0.3	0.3	0.6	1.201	0.5	0.801	1.132	0.421	0.6	0.203	0.3
Khordha	Prod.	0.9	0.3	0.4	0.7	1.8	0.5	1.101	1.468	0.745	0.9	0.307	0.4
	Yield	1286	1000	1333	1167	1499	1000	1375	1297	1770	1500	1512	1333
Koraput	Area	0.1	0.024	0.095	0.1	0.653	0.235	0.213	0.435	0.41	0.5	0.365	0.5
	Prod.	0.2	0.033	0.071	0.093	0.415	0.126	0.318	0.431	0.28	0.391	0.364	0.6
	Yield	2000	1375	747	930	636	536	1493	991	683	782	997	1200
	Area	3.2	0.6	2.3	5.8	3.001	1.8	1.8	4.1	1.711	2.166	1.878	3.9
Malikangiri	Prod.	4.1	0.6	4.9	9.3	5.402	3.3	3.9	7.7	3.416	4.6	3.394	9.6
	Yield	1281	1000	2130	1603	1800	1833	2167	1878	1997	2124	1807	2462
Mayurbhanj	Area	0.5	0.8	2.7	4	8.5	2.4	4.3	2.911	2.674	1.606	3.108	2.256
	Prod.	0.5	0.8	3	4.2	9.67	2.757	4.971	3.004	2.638	2.202	4.785	3.137
Nabarangpur	Yield	1000	1000	1111	1050	1138	1149	1156	1032	987	1371	1540	1391
	Area	0.2	0.09	0.7	0.7	1.148	0.2	0.556	0.302	0.408	0.31	0.408	0.401
Prod.	0.2	0.026	0.5	0.4	0.666	0.2	0.639	0.287	0.204	0.204	0.11	0.201	0.119

Punjab		2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2012-13
Bhatinda	Area	--	0.1	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.1	--
	Prod.	--	0.1	0.6	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	--
	Yield	--	1000	857	667	500	1000	1000	1000	667	1000	1000	--
Faridkot	Area	--	--	0.2	0.2	0.1	0.1	0.1	--	--	--	0.1	0.1
	Prod.	--	--	0.1	0.1	0.1	0.1	0	--	--	--	0.1	0.1
	Yield	--	--	500	500	1000	1000	0	--	--	--	1000	1000
Firozpur	Area	--	--	0.1	0.1	0.1	0.1	--	--	--	--	--	--
	Prod.	--	--	0.1	0.1	0.1	0.1	--	--	--	--	--	--
	Yield	--	--	1000	1000	1000	1000	--	--	--	--	--	--
Hoshiarpur	Area	3	0.3	3.2	3	3.2	2.7	3.5	2.7	2.3	2.2	2	1.6
	Prod.	3	0.3	2.2	2.8	2.8	2.3	3	2.3	2.2	2.7	3.7	2.9
	Yield	1000	1000	688	933	875	852	857	852	957	1227	1850	1813
Jalandhar	Area	--	--	--	--	--	--	0.1	--	--	--	--	--
	Prod.	--	--	--	--	--	--	0.1	--	--	--	--	--
	Yield	--	--	--	--	--	--	1000	--	--	--	--	--
Ludhiana	Area	--	--	0.1	--	0.1	0.1	0.2	--	--	--	--	--
	Prod.	--	--	0.1	--	0.1	0.1	0.2	--	--	--	--	--
	Yield	--	--	1000	--	1000	1000	1000	--	--	--	--	--
Mansha	Area	--	--	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	--	--
	Prod.	--	--	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	--	--
	Yield	--	--	667	1000	1000	1000	1000	1000	1000	1000	--	--
Mukatsar	Area	--	--	0.3	0.4	0.2	--	--	--	--	--	--	--
	Prod.	--	--	0.2	0.4	0.1	--	--	--	--	--	--	--
	Yield	--	--	667	1000	500	--	--	--	--	--	--	--
Ropar (Rupnagar)	Area	--	--	0.1	--	0.1	--	--	--	--	--	--	--
	Prod.	--	--	0.1	--	0.1	--	--	--	--	--	--	--
	Yield	--	--	1000	--	1000	--	--	--	--	--	--	--
Sangrur	Area	1	--	0.3	0.2	0.2	0.1	0.2	0.1	--	0.1	--	--
	Prod.	1	--	0.2	0.2	0.1	0.1	0.2	0.1	--	0.2	--	--
	Yield	1000	--	667	1000	500	1000	1000	1000	--	2000	--	--

Rajasthan		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Ajmer	Area	2.8	1.3	1.4	2.4	2.2	3.3	2.3	2.6	2.4	2	2.7	2.8	2.6	2.1
	Prod.	1.8	0.2	1.8	0.6	0.9	1.2	2.5	1.8	0.3	2.9	3.6	2.3	3.5	2.8
	Yield	643	154	1286	250	409	364	1087	692	125	1450	1360	831	1340	1355
Alwar	Area	0.4	0.3	0.4	1	2.7	1.6	1	1.7	1.1	1.5	1.6	0.9	1.3	1.1
	Prod.	0.5	0.2	0.7	1.5	4.2	2.1	1.7	2.3	2.2	2.9	2.8	1.7	2.5	2.2
	Yield	1250	667	1750	1500	1556	1313	1700	1353	2000	1933	1749	1826	1932	2019
Banswara	Area	0.088	0.058	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Prod.	0.1	0.04	0.2	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.4
	Yield	1136	690	2000	1500	2000	1500	2000	2000	1500	2000	1932	1552	1948	2018
Baran	Area	1.5	1.5	0.8	0.6	0.5	0.6	0.4	0.6	0.6	0.6	0.8	0.5	0.3	0.3
	Prod.	1.5	0.035	1	0.7	0.6	0.8	0.8	1	0.7	1.2	1.5	0.8	0.5	0.6
	Yield	1000	23	1250	1167	1200	1333	2000	1667	1167	2000	1931	1550	1950	2020
Barmer	Area	0.01	0.018	0.007	0.096	0.2	0.2	0.3	0.7	0.7	0.6	1	0.7	1.1	1.7
	Prod.	0.012	0.012	0.011	0.1	0.3	0.3	0.5	1.1	0.7	1.1	2	1.1	2.2	3.4
	Yield	1200	667	1571	1042	1500	1500	1667	1571	1000	1833	1931	1551	1950	2019
Bharatpur	Area	0.052	0.02	0.011	0.029	0.044	0.027	0.007	0.016	0.018	0.063	0.1	0	0	0
	Prod.	0.064	0.014	0.017	0.044	0.068	0.035	0.012	0.027	0.02	0.1	0.2	0.1	0	0
	Yield	1231	700	1546	1517	1546	1296	1714	1688	1111	1587	1937	1556	1938	2000
Bhilwara	Area	13.3	12.8	9.1	15.3	13	13.9	9.7	10.2	8.6	6.9	7.1	6.8	6.9	6.2
	Prod.	14.3	6	11.7	18.6	14.4	10.2	12	11.5	3.2	9.9	8.2	7.3	5.9	8.1
	Yield	1075	469	1286	1216	1108	734	1237	1128	372	1435	1147	1078	849	1320
Bikaner	Area	23.9	30.9	35.1	42.2	52	46.3	51.3	63.1	78.5	85.2	101.4	109.2	137.1	168.9
	Prod.	31.3	19.6	66	77.2	74.7	74.4	109.4	110.3	65.8	229.9	255.5	215.6	307.1	412.7
	Yield	1310	634	1880	1829	1437	1607	2133	1748	838	2698	2519	1974	2239	2443

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Bundi	Area	1	0.9	0.5	0.3	0.3	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5
	Prod.	1.2	0.6	0.8	0.5	0.5	0.6	0.7	0.8	0.5	0.8	1	0.8	0.8	0.9
	Yield	1200	667	1600	1667	1667	1200	1750	1600	1600	2000	1932	1551	1949	2019
Chittorgarh	Area	32.3	38.8	36.7	44.8	32.3	33.4	24.8	25	18.8	19.4	18.6	17.5	16.7	12.3
	Prod.	45.6	36.4	51.2	56.3	45.6	28.7	32.7	27.8	20.7	31	25.7	24	15.3	14.3
	Yield	1412	938	1395	1257	1412	859	1319	1112	1101	1598	1381	1976	919	1166
Churu	Area	6.2	6.9	7.7	9.5	16.4	15.2	15.8	19.2	22.7	25.2	32.9	37.6	42.7	49.7
	Prod.	10	6.2	18.7	16.9	30.9	30.9	32.5	52.3	29.2	44.6	73.7	50.2	93.2	100.4
	Yield	1613	899	2429	1779	1884	2033	2057	2724	1286	1770	2240	1336	2185	2020
Dausa	Area	17.9	15	10.8	15.1	15.3	14.5	13.8	14.7	15.3	16.4	19.2	16.5	14.1	12.6
	Prod.	27.3	6.6	15.6	18.4	13.4	13.4	23.3	23.9	20	23.8	26.3	24.7	18.5	13.9
	Yield	1525	440	1444	1219	876	924	1688	1626	1307	1451	1373	1495	1310	1096
Dholpur	Area	0.7	0.1	0.1	0.2	0.3	0.2	0.1	0.075	0.085	0.091	0.2	0.1	0.1	0
	Prod.	0.8	0.094	0.2	0.3	0.4	0.2	0.2	0.1	0.097	0.2	0.3	0.1	0.1	0.1
	Yield	1143	940	2000	1500	1333	1000	2000	1333	1141	2198	1932	1544	1951	2025
Dungapur	Area	0.005	0.004	0.1	0.1	0.1	0.1	0.076	0.032	0.012	0.031	0	0.1	0	0
	Prod.	0.006	0.003	0.2	0.2	0.2	0.2	0.1	0.063	0.013	0.061	0	0.1	0	0
	Yield	1200	750	2000	2000	2000	2000	1316	1656	1083	1968	1909	1556	2000	0
Ganganagar	Area	0.7	2	2.3	2.2	3.1	1.9	2.5	3.1	5	3.7	3.9	2	1.8	1.7
	Prod.	0.6	2	2.2	4	3.8	2.6	4.6	6.8	4.2	6.3	8	4.3	3.8	4.1
	Yield	857	1000	957	1818	1226	1368	1840	2194	840	1703	2038	2120	2166	2399
Hanumangarh	Area	0.1	2.6	1.3	0.4	0.5	0.3	0.7	3.2	4.5	4.8	5.2	4	7.2	7.1
	Prod.	0.2	1.8	2	0.7	0.8	0.4	1.3	5.3	4.9	9.4	12.1	10.4	15.5	13.1
	Yield	2000	692	1539	1750	1600	1333	1857	1656	1089	1958	2345	2599	2166	1857

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Jaipur	Area	52.2	46.8	44.7	55	52.8	48.8	42.1	46.2	47	44.8	50.9	43.9	45.2	36.1
	Prod.	67.3	42.9	76.7	105.8	97.3	78.4	83.7	87.2	58.6	91.2	101.2	75	89.1	68.3
	Yield	1289	917	1716	1924	1843	1607	1988	1887	1247	2036	1988	1709	1973	1894
Jaisalmer	Area	1.5	2.1	3.3	4.7	5.8	6.1	7.3	9.2	9.2	11.2	14.2	12.7	13.6	15.4
	Prod.	1.9	1.4	5.2	7.3	8.9	7.7	12.2	10.4	8.6	16.3	17.6	10.3	18.3	17.6
	Yield	1267	667	1576	1553	1535	1262	1671	1130	935	1455	1236	815	1349	1140
Jalore	Area	0.039	0.075	0.1	0.9	2.7	2	2.4	4	3	4	5.1	8.1	8.2	9.6
	Prod.	0.048	0.051	0.2	1.4	4.1	2.6	3.3	4.5	3.3	7.8	7.7	15.1	13.2	21.9
	Yield	1231	680	2000	1556	1519	1300	1375	1125	1100	1950	1521	1862	1624	2274
Jhalawar	Area	2.7	3.3	2.2	2.2	1.4	1.7	1.4	1.5	1.3	1.4	1.4	1.2	0.9	1
	Prod.	2.9	1.9	2.2	2.5	2.1	1.9	1.7	1.6	1.3	2.7	1.4	1.9	1.7	2
	Yield	1074	576	1000	1136	1500	1118	1214	1067	1000	1929	1034	1633	1950	2019
Jhunjhunu	Area	0.7	1	0.9	1.7	3.5	3.5	2.5	1.7	1.6	2	3.1	3	3.2	3.2
	Prod.	0.9	0.7	1.3	2.6	5.5	4.6	3.6	2.9	2.3	3.6	5.3	5.7	5.7	6
	Yield	1286	700	1444	1529	1571	1314	1440	1706	1438	1800	1700	1896	1775	1876
Jodhpur	Area	3.7	4.8	6.1	12.3	20	23	28.9	37.6	43.9	49.1	61.8	64.2	87.2	108.8
	Prod.	4.6	6.4	10.1	23.2	36.9	39.2	47.4	66.4	53.6	75.3	114.3	76.8	190.1	217.6
	Yield	1243	1333	1656	1886	1845	1704	1640	1766	1221	1534	1850	1195	2181	2000
Karauli	Area	4.3	2.9	1.7	2	1.7	1.5	0.9	1.6	1.3	1.1	1.1	0.9	0.8	0.6
	Prod.	3.3	1.8	1.5	2.3	2.1	1.1	0.9	2	1.5	2.2	1.9	0.9	1.2	0.7
	Yield	767	621	882	1150	1235	733	1000	1250	1154	2000	1755	1009	1476	1144
Kota	Area	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.1	0.1
	Prod.	0.9	0.5	0.9	0.5	0.5	0.4	0.4	0.5	0.3	0.6	0.8	0.5	0.2	0.3
	Yield	1125	625	1800	1667	1667	1333	1333	1667	1000	2000	1931	1552	1952	2018

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Nagaur	Area	7.1	6.6	6.7	14.4	18.7	18.3	15.7	17.7	14.3	13.3	14	11.6	12.6	13.9
	Prod.	6.5	2.6	10.1	34.5	34	20	34.1	37.7	18.6	26.3	25.2	11.5	2408	21.2
	Yield	916	394	1508	2396	1818	1093	2172	2130	1301	1977	1801	993	1968	1521
Pali	Area	3.9	2.8	1.6	3	2.5	2.6	1.3	1.5	--	1	1.4	1.2	0.9	1
	Prod.	6.6	0.1	1.6	1.2	1.8	2.5	1.8	1	--	2	2.1	1.4	2	2.1
	Yield	1692	36	1000	400	720	962	1385	667	--	2000	1521	1195	2181	2019
Rajsamand	Area	2.7	2.6	2	2.8	3.1	3.3	2.6	2.1	1.8	1.9	1.8	1.8	1.6	1.3
	Prod.	4.3	0.2	3	1.5	3.3	3.8	4.2	1.8	1.5	1.9	1.7	2	1.3	1
	Yield	1593	77	1500	536	1065	1152	1615	857	833	1000	930	1158	802	756
Sawai Madhopur	Area	22.4	13.2	4.5	5.4	7	6.2	3.4	6.7	6.3	5.5	7.9	5.6	5.9	3.5
	Prod.	23.9	3	2.6	6.9	7	4.2	2.8	7.3	5.5	8.4	10.7	7.5	9.1	5.3
	Yield	1067	227	578	1278	1000	677	824	1090	873	1527	1355	1348	1539	1510
Sikar	Area	12.5	16	15.6	28.6	37.7	31	26.9	23.3	22.1	23.8	298.5	24.1	23.4	22
	Prod.	22.1	18.9	29.1	49.1	74.8	53.3	45	40.5	30	50.3	58	40	44.9	43.7
	Yield	1768	1181	1865	1717	1984	1719	1673	1738	1358	2113	1964	1661	1917	1988
Sirohi	Area	1.2	1.7	1.4	4.1	6.6	5.8	5.2	5	4.6	5.5	5.5	7.6	5.6	7.9
	Prod.	1.5	0.9	2.2	4.5	8.7	7	7.7	9.2	5.2	10.2	6.2	14.1	9.1	12.8
	Yield	1250	529	1571	1098	1318	1207	1481	1840	1130	1855	1135	1862	1624	1615
Tonk	Area	22.3	19.1	9.4	11.9	12.1	14.1	10.6	15.8	14.9	13.2	17.8	13.5	17.4	8.9
	Prod.	12.2	0.5	7.1	5.6	13.4	2.6	6.5	17.5	8.3	19.7	21.2	14.2	18.1	9.9
	Yield	547	26	755	471	1107	184	613	1108	557	1492	1193	1056	1043	1121
Udaipur	Area	3.7	4.8	4.8	6.1	5.9	5.6	4.5	4	3.4	3.2	2.7	2.9	2.7	2.3
	Prod.	3.7	4.4	5.8	4.3	4.6	3.7	3.7	3.4	2.2	2	3.1	2.5	2.3	2.4
	Yield	1000	917	1208	705	780	661	822	850	647	625	1135	865	867	1010

Tamil Nadu

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ariyalur	Area	--	--	--	--	--	--	--	--	13.9	12.1	13	9.1	10
	Prod.	--	--	--	--	--	--	--	--	27	37.3	53.9	23	43
	Yield	--	--	--	--	--	--	--	--	1942	3083	4146	2528	4300
Coimbatore	Area	19.2	13.1	16.6	19.1	22.5	15.6	14.9	8.3	7.2	6.4	7.1	5.4	5
	Prod.	29.1	12.4	14.9	24.2	30.5	26.4	28.1	27.3	12.7	13.1	17.9	8.5	12.4
	Yield	1516	947	898	1267	1356	1692	1886	3289	1764	2047	2521	1574	2480
Cuddalore	Area	27.9	26.1	27.4	20.6	21.4	13.7	16.3	15.4	13.2	9.9	9.7	11	11.7
	Prod.	68.8	58.3	69.4	49.3	53.4	43.7	30.3	39.1	38.7	30.6	34.6	40	45.3
	Yield	2466	2234	2533	2393	2495	3190	1859	2539	2932	3091	3567	3636	3872
Dharmapuri	Area	49.9	20.4	21.7	15.2	17.4	14.2	13.9	11.2	11.2	9.7	17.1	12	13.7
	Prod.	86.1	24.4	29.2	24.6	32.4	27.5	31.7	26.7	20.3	19.8	54.5	26.8	33.6
	Yield	1726	1196	1346	1618	1862	1937	2281	2384	1813	2041	3187	2233	2453
Dindigul	Area	12.5	9.4	9.5	18.7	22.1	12.5	14.7	11	8.4	11.2	12.8	7.3	4.3
	Prod.	34.9	17.2	17.2	49.2	51.4	29.9	32.5	35.5	21.7	31.9	44.8	18.2	12.5
	Yield	2792	1830	1811	2631	2326	2392	2211	3227	2583	2848	3500	2493	2907
Erode	Area	41.2	27.5	32.1	44.7	47	33.1	31.4	25	19.4	19.9	18.6	15.7	17.1
	Prod.	66.5	35.1	40.9	82.5	78.7	45.4	50.5	53.5	32.9	37	26.1	22.1	31.9
	Yield	1614	1276	1274	1846	1675	1372	1608	2140	1696	1859	1403	1408	1866
Kanchipuram	Area	27.2	23.5	34.1	25.1	24.3	21.6	21.9	21.3	17.5	16.3	16.3	16	12.5
	Prod.	84.7	59.8	90.1	63.4	76.9	89.8	65.5	76.3	73.2	73	62.4	57.2	47
	Yield	3114	2545	2642	2526	3165	4157	2991	3582	4183	4479	3828	3575	3760
Kanyakumari	Area	0.056	0.042	0.087	0.042	0.022	0.012	0.039	0.02	0.02	0.005	0.015	0.031	0.028
	Prod.	0.09	0.044	0.1	0.051	0.03	0.019	0.064	0.03	0.029	0.009	0.033	0.059	0.08
	Yield	1607	1048	1149	1214	1364	1583	1641	1500	1450	1800	2200	1903	2857

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Karur	Area	6	3.3	3.4	7.1	8.9	3.8	7.5	7.1	6.4	7.2	4	2.2
	Prod.	12.7	5.2	5	14.3	18.7	8.7	14.2	17.4	11.8	19.1	10.7	7.2
	Yield	2117	1576	1471	2014	2101	2290	2290	2427	2451	1844	2653	2675	3273
Krishnagiri	Area	--	--	--	15.4	22.4	19.6	16.8	17	14.7	15.6	16.5	13
	Prod.	--	--	--	23.8	27.6	23.3	35.4	26.6	34.8	48.2	34.9	34.6
	Yield	--	--	--	1546	1232	1189	2107	1565	2367	3090	2115	2662
Madurai	Area	7.1	4.6	5.7	8.1	7.4	5.3	4.7	4.6	3	3.4	2.3	2.1
	Prod.	11.7	6.8	8.4	10.8	11.9	11.4	8.8	9.1	5.4	6.4	4.6	4.5
	Yield	1648	1478	1474	1333	1608	2151	1872	1978	1800	1882	2000	2143
Nagapattinam	Area	2.6	2.3	2.8	3.3	2.7	3.1	4.1	3.7	2.4	2.589	1.7	1.8
	Prod.	4.4	3.6	3.6	5.6	9.2	11.9	8.2	9.3	7.2	10	5	5.8
	Yield	1692	1565	1286	1697	3407	3839	2000	2514	3000	3863	2941	3222
Namakkal	Area	61.3	49.9	44.5	48.1	47.6	42.2	34.3	31.2	29.6	26.5	28.7	25.4
	Prod.	121.7	55.5	61.6	51.2	75.3	73.1	57	59.3	46.4	64.7	39.2	53.7
	Yield	1985	1112	1384	1064	1582	1732	1662	1901	1568	2344	2442	2114
Nilgiris	Area	0.008	0.009	0.003	--	--	--	--	--	0.003	--	--	0.004
	Prod.	0.01	0.02	0.004	--	--	--	--	--	0.006	--	--	0.009
	Yield	1250	2222	1333	--	--	--	--	--	1400	2000	--	2250
Perambalur	Area	36	29	34.5	31.8	27.3	20.5	22	2.4	2.1	2.3	1.5	2
	Prod.	56.1	42.5	49.3	37.8	42.2	39.4	28.3	35.6	4.5	4.6	3.7	5.3
	Yield	1558	1466	1429	1189	1546	1922	1286	14833	2143	2000	2467	2650
Pudukkottai	Area	24.5	20.5	21.5	25.7	24.9	24	23.6	19.4	16.5	17.6	12.3	8.5
	Prod.	41.4	21.8	27.6	36.7	49	42.3	28	24.8	32.7	38.3	24.2	17.2
	Yield	1690	1063	1284	1428	1968	1763	1186	1278	1712	2176	1968	2024

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ramanathapuram	Area	6.9	7	9.2	8.6	8	7	6.1	5.5	4.9	3.9	3.7	3.4
	Prod.	10.6	8.1	3.6	19.2	8	8.8	4.7	8.1	6.5	5.1	5.2	4.3
	Yield	1536	1157	391	2233	1000	1257	771	1473	1327	1308	1405	1265
Salem	Area	49.1	29.8	24.1	29.9	32.2	28.2	24.6	25.5	21.9	21.9	19.8	17.5
	Prod.	83.6	31.5	26	35	43.7	42.6	35.7	38.3	33.8	48	49.1	33.9
	Yield	1703	1057	1079	1171	1357	1511	1451	1502	1543	2192	2480	1937
Sivaganga	Area	5.8	5	7.7	7.3	6.4	4.9	5.2	4.1	3.7	4	6.2	3.5
	Prod.	9.7	8.1	10.6	10.3	11.6	6.1	4.4	6.1	3.4	4.8	16.6	8.9
	Yield	1672	1620	1377	1411	1813	1245	846	1488	919	1200	2677	2543
Thanjavur	Area	6.1	3.6	8.1	8.2	7.3	6.2	16	9.1	8.2	7.5	8.2	7
	Prod.	11.4	6.1	14.5	18.4	18	14.5	22.6	20.2	29.6	28.3	26.1	21.7
	Yield	1869	1694	1790	2244	2466	2339	1413	2220	3610	3773	3183	3100
Theni	Area	6.5	4.4	3	2.6	2.5	2	1.9	2.5	1.9	2.6	2.3	1.7
	Prod.	8	3.8	3.6	6.2	4.6	4.4	3.7	4.4	4.1	5	5.6	9.1
	Yield	1231	864	1200	2385	1840	2200	1947	1760	2158	1923	2435	5353
Thoothukudi	Area	1.8	1.7	1.5	2.1	2	2.2	1.7	0.9	0.6	0.5	0.5	0.5
	Prod.	3.3	2.5	2.1	3	3.4	3.2	2.7	1.2	0.9	1.2	1.5	1.3
	Yield	1833	1471	1400	1429	1700	1455	1588	1333	1500	2400	3000	2600
Tiruchirappalli	Area	13.5	9	12.6	15.5	17.5	13.6	14.1	13.2	11.5	10.6	11.5	8.5
	Prod.	24.9	15.6	20.5	26.8	31.4	30.6	26	21.2	20.2	19.1	26.8	21.4
	Yield	1844	1733	1627	1729	1794	2250	1844	1606	1757	1802	2330	2518
Tirunelveli	Area	4.4	3.7	2.6	3.9	4.6	4.3	3.1	2.8	1.4	1	1.1	1.2
	Prod.	7.4	5.6	4.6	8.9	9.6	7.1	5.4	4.9	2.1	2.2	3.3	3.2
	Yield	1682	1514	1769	2282	2087	1651	1742	1750	1500	2200	3000	2667

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Tirupur	Area	--	--	--	--	--	--	--	--	8	7.9	8.3	5.1	7.5
	Prod.	--	--	--	--	--	--	--	--	18.3	15.4	19.7	6.4	10.5
	Yield	--	--	--	--	--	--	--	--	2288	1949	2374	1255	1400
Tiruvallur	Area	19.4	19.8	18.5	22.8	18.3	15.6	16.1	14.2	11.7	10.3	9.9	10.2	9
	Prod.	73	59.8	57.6	79	55.1	58.3	56.2	54.7	49.9	36.4	40.5	46.9	45.9
	Yield	3763	3020	3114	3465	3011	3737	3491	3852	4265	3534	4091	4598	5100
Tiruvannamalai	Area	105.1	80.3	109.7	108.6	94.8	85.3	95.7	97.6	68.9	62.3	56.3	56.3	58.3
	Prod.	169.9	84.8	137.8	126.7	131	155.7	204.8	146.6	125.1	115.2	154.2	119.3	143.6
	Yield	1617	1056	1256	1167	1382	1825	2140	1502	1816	1849	2739	2119	2463
Tiruvarur	Area	1.3	1	1.3	1.2	1.8	2.3	7.9	1.2	1.9	1.9	4.12	3.3	3.4
	Prod.	2.3	2.3	3.1	2.9	4.8	5.8	17.3	2.5	6.8	9.5	23.044	10.7	17.7
	Yield	1769	2300	2385	2417	2667	2522	2190	2083	3579	5000	5593	3242	5206
Vellore	Area	57.4	46	56	55.8	59.8	52.8	54.9	51.1	43.7	43.2	42.5	38.8	36.8
	Prod.	101.3	53.7	70.9	72.6	87.3	88	103.5	88.3	84	97.8	96	82.5	94.4
	Yield	1765	1167	1266	1301	1460	1667	1885	1728	1922	2264	2259	2126	2565
Viluppuram	Area	61.5	54	75.1	59	58.3	47	55.3	51.3	48	39.6	36.2	34	45.5
	Prod.	118.8	89.8	141.9	114.1	119.8	97.5	132.9	125.6	138.9	94.6	98.8	92.5	148.5
	Yield	1932	1663	1890	1934	2055	2075	2403	2448	2894	2389	2729	2721	3264
Virudhunagar	Area	5.8	7.1	8.6	7.5	9.4	7.2	7.7	8.8	6.8	5.8	5.4	4.5	5.2
	Prod.	7.4	3	4.2	8.6	12.2	11.3	9.1	11.4	4.7	6.4	9	5	7.9
	Yield	1276	423	488	1147	1298	1569	1182	1296	691	1103	1667	1111	1519

Telangana

District	APY	2013-14	2014-15
Adilabad	Area	126.1	97.4
	Prod.	220.8	198.0
	Yield	571	2033
Karimnagar	Area	10.8	6.2
	Prod.	17.5	9.9
	Yield	616	1596
Khammam	Area	--	--
	Prod.	--	--
	Yield	--	--
Mahbubnagar	Area	1.5	0.806
	Prod.	1.8	0.953
	Yield	790	1182
Medak	Area	1.2	0.883
	Prod.	2.5	2.5
	Yield	484	2838
Nalgonda	Area	1.7	0.981
	Prod.	2.9	1.877
	Yield	584	1913
Nizamabad	Area	11.1	6.9
	Prod.	16.6	14.4
	Yield	663	2063
Ranga Reddy	Area	29.9	22.8
	Prod.	53.5	41.5
	Yield	560	1819
Warangal	Area	6.4	4.
	Prod.	10.6	8.2
	Yield	601	1877
	Area	21.5	14.4
	Prod.	28.9	17.9
	Yield	743	1248

Uttar Pradesh		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Agra	Area	0.006	--	0.001	0.003	--	--	--	0.004	0.008	0.003	0.003	0.01	--
	Prod.	0.005	--	0.001	0.002	--	--	--	0.003	0.005	0.003	0.003	0.01	--
	Yield	833	--	1000	667	--	--	--	750	625	1000	1000	1000	--
Aligarh	Area	--	0.003	--	0.002	--	--	0.002	0.009	0.008	0.006	0.014	0.033	0.07
	Prod.	--	0.002	--	0.002	--	--	0.001	0.007	0.005	0.006	0.014	0.033	0.063
	Yield	--	667	--	1000	--	--	500	778	625	1000	1000	1000	900
Allahabad	Area	0.002	--	0.002	--	--	--	--	--	--	--	--	--	--
	Prod.	0.002	--	0.001	--	--	--	--	--	--	--	--	--	--
	Yield	1000	--	500	--	--	--	--	--	--	--	--	--	--
Ambedkar Nagar	Area	0.024	0.028	0.027	0.016	--	0.016	--	--	0.005	--	--	--	--
	Prod.	0.02	0.018	0.018	0.013	--	0.012	--	--	0.003	--	--	--	--
	Yield	833	643	667	813	--	750	--	--	600	--	--	--	--
Amethi	Area	--	--	--	--	--	--	--	--	--	--	0.037	0.005	0.014
	Prod.	--	--	--	--	--	--	--	--	--	--	0.03	0.005	0.011
	Yield	--	--	--	--	--	--	--	--	--	--	811	1000	786
Amroha (Jyotiba Phule Nagar)	Area	0.003	--	0.014	0.005	--	--	--	--	0.034	0.015	--	0.004	--
	Prod.	0.002	--	0.009	0.004	--	--	--	--	0.023	0.015	--	0.004	--
	Yield	667	--	643	800	--	--	--	--	677	1000	--	1000	--
Auraiya	Area	0.1	0.2	0.2	0.2	--	0.2	0.3	0.2	0.1	0.2	0.3	0.1	0.039
	Prod.	0.1	0.1	0.1	0.2	--	0.1	0.2	0.1	0.074	0.2	0.3	0.1	0.035
	Yield	1000	500	500	1000	--	500	667	500	740	1000	1000	1000	897

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Azamgarh	Area	0.05	0.049	0.082	0.068	--	0.063	0.032	0.09	0.041	0.035	0.09	0.052
	Prod.	0.042	0.032	0.055	0.056	--	0.045	0.023	0.061	0.04	0.035	0.089	0.047
	Yield	840	653	671	824	--	714	719	678	976	1000	989	904
Bahraich	Area	1.9	2.1	1.7	2	--	2.2	1.5	1.5	1.5	1.7	1.5	1.6
	Prod.	2.1	1.4	1.2	1.3	--	1.6	0.9	1	1.5	1.7	1.5	1.4
	Yield	1105	667	706	650	--	727	600	667	1000	1000	1000	875
Ballia	Area	0.1	0.2	0.2	0.2	--	0.1	0.3	0.1	0.3	0.3	0.3	0.2
	Prod.	0.087	0.2	0.1	0.2	--	0.079	0.2	0.081	0.3	0.3	0.3	0.2
	Yield	870	1000	500	1000	--	790	667	810	1000	1000	1000	1000
Ballrampur	Area	0.086	0.037	0.068	0.066	--	0.066	0.01	0.057	0.024	0.025	0.028	--
	Prod.	0.092	0.026	0.049	0.045	--	0.048	0.006	0.041	0.02	0.024	0.028	--
	Yield	1070	703	721	682	--	727	600	719	667	1000	1000	--
Banda	Area	0.7	0.5	0.6	0.8	--	0.8	0.7	0.062	0.4	0.6	0.6	0.4
	Prod.	0.5	0.2	0.2	0.4	--	0.4	0.3	0.026	0.1	0.5	0.6	0.3
	Yield	714	400	333	500	--	500	429	419	125	1250	1000	750
Barabanki	Area	0.4	0.6	0.5	0.7	--	0.7	0.8	0.8	0.5	0.4	0.4	0.4
	Prod.	0.3	0.4	0.4	0.5	--	0.5	0.5	0.4	0.2	0.3	0.4	0.3
	Yield	750	667	800	714	--	714	625	625	800	750	1000	750
Bareilly	Area	0.4	0.4	0.2	0.2	--	0.2	0.5	0.2	0.3	0.6	0.6	0.3
	Prod.	0.3	0.3	0.2	0.2	--	0.2	0.3	0.078	0.3	0.8	0.8	0.3
	Yield	750	750	1000	1000	--	1000	600	390	1000	1333	1333	1000
Basti	Area	0.007	0.001	0.003	0.001	--	--	0.002	0.001	--	0.001	0.001	0.001
	Prod.	0.006	0.001	0.002	0.001	--	--	0.001	0.001	--	0.001	0.001	0.001
	Yield	857	1000	667	1000	--	--	500	1000	--	1000	1000	1000

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Bijnor	Area	2	1.9	1.9	2.6	--	1.7	2.1	1.8	1.2	0.9	0.7	0.8	
	Prod.	1.7	1.2	1.3	2.1	--	2.3	1.7	1.9	0.8	0.9	0.7	0.9	
	Yield	850	632	684	808	--	1353	810	1056	667	1000	1000	1000	1125
Budaun	Area	0.5	1	0.9	0.8	--	0.6	0.7	0.2	0.3	0.1	1	0.4	
	Prod.	0.4	0.8	0.6	0.7	--	0.6	0.6	0.081	0.3	0.1	1.6	0.5	
	Yield	800	800	667	875	--	1000	857	405	1000	1000	1600	1429	1250
Bulandshahr	Area	0.013	--	0.001	0.001	--	--	--	--	0.003	--	0.017	0.006	--
	Prod.	0.011	--	0.001	0.001	--	--	--	--	0.002	--	0.017	0.006	--
	Yield	846	--	1000	1000	--	--	--	--	667	--	1000	1000	--
Chandauli	Area	0.013	0.01	0.02	0.005	--	--	--	--	--	--	0.003	0.003	0.003
	Prod.	0.011	0.007	0.013	0.004	--	--	--	--	--	--	0.003	0.003	0.003
	Yield	846	700	650	800	--	--	--	--	--	--	1000	1000	1000
Chitrakoot	Area	0.02	0.011	0.053	0.063	--	0.053	0.044	--	0.065	0.042	0.04	0.042	0.003
	Prod.	0.015	0.005	0.018	0.029	--	0.029	0.01	--	0.01	0.021	0.034	0.026	0.002
	Yield	750	455	340	460	--	547	227	--	154	500	850	619	667
Deoria	Area	1.9	2.2	2.6	2.9	--	3.3	2.7	1.1	2.1	2.1	1.9	1.8	1.9
	Prod.	2.1	2	3.1	1.9	--	3.1	2	0.7	1.4	2.5	2.1	2.8	2.9
	Yield	1105	909	1192	655	--	939	741	636	667	1191	1105	1556	1526
Etah	Area	0.046	0.034	0.049	0.6	--	0.6	1	0.8	0.1	0.1	0.3	0.5	0.5
	Prod.	0.039	0.022	0.033	0.5	--	0.4	0.6	0.6	0.089	0.1	0.3	0.5	0.4
	Yield	848	647	674	833	--	667	600	750	890	1000	1000	1000	800
Etawah	Area	0.036	0.005	0.001	0.004	--	--	0.097	0.02	0.003	0.042	0.07	0.068	0.2
	Prod.	0.03	0.003	0.001	0.003	--	--	0.058	0.014	0.002	0.041	0.07	0.068	0.2
	Yield	833	600	1000	750	--	--	598	700	667	976	1000	1000	1000

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Farrukhabad	Area	0.1	0.055	0.047	0.1	0.1	0.5	0.5	0.7	0.5	0.8	0.8	0.8
	Prod.	0.091	0.036	0.032	0.096	0.079	0.3	0.3	0.5	0.5	0.8	0.8	0.7
	Yield	910	655	681	960	790	600	600	714	1000	1000	1000	1000	875
Fatehpur	Area	0.4	0.3	0.3	0.4	0.6	0.6	0.3	0.1	0.3	0.3	0.3	0.3
	Prod.	0.4	0.2	0.2	0.3	0.4	0.4	0.2	0.094	0.3	0.3	0.3	0.2
	Yield	1000	667	667	750	667	667	667	940	1000	1000	1000	667
Firozabad	Area	0.003	0.001	0.003	0.041	0.022	0.049	0.048	0.047	0.096	0.032	0.073	0.2
	Prod.	0.002	0.001	0.002	0.034	0.016	0.029	0.034	0.032	0.095	0.032	0.073	0.4
	Yield	667	1000	667	829	727	592	708	681	990	1000	1000	2000
Ghazipur	Area	0.09	0.08	0.074	0.2	0.1	0.1	0.014	0.062	0.055	0.053	--	0.041
	Prod.	0.075	0.052	0.05	0.2	0.086	0.06	0.01	0.042	0.054	0.053	--	0.036
	Yield	833	650	676	1000	860	600	714	677	982	1000	--	878
Gonda	Area	0.1	0.2	0.1	0.1	0.1	0.091	0.057	0.009	0.011	0.026	0.022	0.043
	Prod.	0.2	0.1	0.1	0.099	0.1	0.054	0.041	0.006	0.011	0.026	0.022	0.039
	Yield	2000	500	1000	990	1000	593	719	667	1000	1000	1000	907
Gorakhpur	Area	2.2	2.3	2.7	3.6	3.6	2.9	3.1	3.1	3.3	3.5	3.2	3
	Prod.	2.3	2.1	3.1	2.3	3.4	2.2	3.1	2.1	4	5.2	4.7	3.8
	Yield	1046	913	1148	639	944	759	1000	677	1212	1486	1469	1267
Hamirpur	Area	0.5	0.3	0.3	0.6	0.5	0.4	11.1	0.065	0.2	0.1	0.2	0.3
	Prod.	0.4	0.1	0.1	0.3	0.3	0.093	4.7	0.01	0.1	0.1	0.1	0.2
	Yield	800	333	333	500	600	233	423	154	500	1000	500	667
Hardoi	Area	11.8	4.8	5.2	5.2	5.2	6	8.5	8.3	7.6	8	10.2	8.9
	Prod.	7.1	3.7	2.3	6.2	3.9	5.7	6.4	9.5	6.5	7	10.6	10.2
	Yield	602	771	442	1192	750	950	753	1145	855	875	1039	1146

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Hathras (Mahamaya Nagar)	Area	--	--	0.001	--	--	--	--	--	0.016	0.012	0.002	0.004
	Prod.	--	--	0.001	--	--	--	--	--	0.016	0.012	0.002	0.004
	Yield	--	--	1000	--	--	--	--	--	1000	1000	1000	1000
Jalaun	Area	0.2	0.084	0.1	0.2	0.034	0.014	0.1	0.003	0.001	0.002	0.009	0.055
	Prod.	0.2	0.034	0.094	0.2	0.027	0.006	0.063	0.002	0.001	0.002	0.018	0.039
	Yield	1000	405	940	1000	794	429	630	667	1000	1000	2000	709
Jaunpur	Area	--	0.004	0.006	--	--	--	--	--	--	--	--	--
	Prod.	--	0.003	0.004	--	--	--	--	--	--	--	--	--
	Yield	--	750	667	--	--	--	--	--	--	--	--	--
Jhansi	Area	31.6	20	21.6	26.5	31	21.1	11	21	17.8	21.5	22.1	26.5
	Prod.	30.2	7.7	13.2	24.6	15.7	8.2	9.4	8.6	20.6	22.8	21.7	19.7
	Yield	956	385	611	928	507	389	855	410	1157	1061	982	743
Kannauj	Area	0.9	0.8	0.8	0.9	1.1	1.4	1.5	1.6	1.8	2.2	2.4	1.5
	Prod.	0.8	0.5	0.5	0.7	0.8	0.8	1.1	1.1	1.8	2.2	2.4	1.3
	Yield	889	625	625	778	727	571	733	688	1000	1000	1000	867
Kanpur Dehat (Ramabai Nagar)	Area	--	--	0.008	0.012	0.017	0.018	--	--	0.004	0.005	0.006	0.011
	Prod.	--	--	0.005	0.01	0.012	0.011	--	--	0.004	0.005	0.006	0.01
	Yield	--	--	625	833	706	611	--	--	1000	1000	1000	909
Kanpur Nagar	Area	0.2	0.09	0.2	0.2	0.5	0.4	0.2	0.2	0.2	0.3	0.4	0.2
	Prod.	0.2	0.059	0.1	0.1	0.4	0.2	0.1	0.1	0.2	0.3	0.4	0.2
	Yield	1000	656	500	500	800	500	500	500	1000	1000	1000	1000
Kasganj (Kanshi Ram Nagar)	Area	--	--	--	--	--	--	--	0.1	0.021	0.2	0.1	0.2
	Prod.	--	--	--	--	--	--	--	0.078	0.021	0.2	0.1	0.1
	Yield	--	--	--	--	--	--	--	780	1000	1000	1000	500

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kaushambi	Area	0.4	0.4	0.5	0.7	0.6	1.1	0.2	0.7	0.6	0.7	0.1	0.024
	Prod.	0.3	0.2	0.4	0.5	0.5	0.6	0.2	0.4	0.6	0.7	0.1	0.021
	Yield	750	500	800	714	--	546	1000	571	1000	1000	1000	875
Kushinagar	Area	0.2	0.2	0.3	0.4	0.5	0.4	0.4	0.3	0.5	0.4	0.5	1
	Prod.	0.2	0.2	0.3	0.2	--	0.3	0.4	0.2	0.6	0.5	0.7	1.3
	Yield	1000	1000	1000	500	--	750	1000	667	1200	1250	1400	1300
Lakhimpur Kheri	Area	7.7	8.9	5.2	7.3	--	10.7	6.7	5.9	7.8	6.2	8.3	5.8
	Prod.	6.3	6.7	3.1	6.2	--	5.4	3.6	4	6.6	4.9	6.3	4.1
	Yield	818	753	596	849	--	505	537	678	846	790	759	707
Lalitpur	Area	8.2	6.2	6.7	6.9	--	7.4	0.026	9	11.4	12.1	6.7	12.2
	Prod.	5	1	6.6	5.1	--	4.3	0.033	7.6	11.5	11.3	8	7.5
	Yield	610	161	985	739	--	566	1269	844	1009	934	1194	615
Lucknow	Area	0.2	0.1	0.1	0.1	--	0.1	0.1	0.09	0.01	0.1	0.088	0.055
	Prod.	0.4	0.1	0.072	0.1	--	0.081	0.08	0.085	0.005	0.1	0.056	0.048
	Yield	2000	1000	720	1000	--	810	800	944	500	1000	636	873
Maharajganj	Area	1	1	1.1	1.3	--	1.3	1.2	1.4	1.1	1	1.1	1.3
	Prod.	1	1	1.3	0.8	--	1.5	1.1	0.9	1.3	1	1.7	1.4
	Yield	1000	1000	1182	615	--	790	917	643	1182	1000	1546	1077
Mahoba	Area	10.4	7	7.1	7.6	--	7	0.5	9	6	6.3	8.4	6.6
	Prod.	5.2	3.1	2.5	3.6	--	4.4	0.2	1.4	2.7	2.6	4.9	4.8
	Yield	500	443	352	474	--	537	400	156	450	413	583	727
Mainpuri	Area	0.094	0.021	0.075	0.2	--	0.6	0.6	0.2	0.7	0.9	1.7	1.4
	Prod.	0.079	0.014	0.05	0.2	--	0.4	0.4	0.1	0.7	0.9	1.7	2.5
	Yield	840	667	667	1000	--	667	667	500	1000	1000	1000	1786

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mau	Area	0.5	0.5	0.6	0.5	0.5	0.086	0.4	0.5	0.6	0.5	0.5	0.4
	Prod.	0.4	0.3	0.4	0.4	0.4	0.051	0.3	0.3	0.6	0.5	0.5	0.4
	Yield	800	600	667	800	--	593	750	600	1000	1000	1000	1000
Mirzapur	Area	2.2	2.7	2.7	2.9	2.9	3	2.6	2.3	2.5	2.2	2.7	2.2
	Prod.	1.8	4.8	2.8	3.2	--	3.2	3.9	3	4.3	4.9	5	2.9
	Yield	818	1778	1037	1103	--	1067	1500	1304	1720	2227	1852	1318
Moradabad	Area	0.04	0.003	0.001	0.001	--	0.003	0.004	0.1	--	0.003	--	--
	Prod.	0.034	0.002	0.001	0.001	--	0.002	0.004	0.067	--	0.003	--	--
	Yield	850	667	1000	1000	--	667	1000	670	--	1000	--	--
Muzaffarnagar	Area	0.039	0.046	0.039	0.028	--	0.016	--	--	0.001	--	--	--
	Prod.	0.048	0.048	0.033	0.023	--	0.011	--	--	0.001	--	--	--
	Yield	1231	1044	846	821	--	688	--	--	1000	--	--	--
Pilibhit	Area	0.7	0.9	0.7	0.7	--	0.9	0.6	0.5	0.3	0.4	0.2	0.4
	Prod.	0.6	0.7	0.4	0.6	--	0.7	0.3	0.5	0.3	0.6	0.4	0.5
	Yield	857	778	571	857	--	778	500	1000	1000	1500	2000	1250
Pratapgarh	Area	0.003	--	--	0.004	--	0.007	20.8	0.001	--	--	--	--
	Prod.	0.002	--	--	0.003	--	--	14.5	0.001	--	--	--	--
	Yield	667	--	--	750	--	--	697	1000	--	--	--	--
Raebareli	Area	2.2	2.1	2.1	2.3	--	2.8	1.8	1.6	1.1	1.2	1.5	1.3
	Prod.	3.7	2.4	1.3	1.8	--	1.8	1.3	1.1	1.3	0.9	0.9	0.3
	Yield	1682	1143	619	783	--	643	722	688	1182	750	600	231
Rampur	Area	0.009	0.008	0.007	0.006	--	0.045	--	--	0.024	0.015	0.021	0.055
	Prod.	0.008	0.005	0.005	0.005	--	0.037	--	--	0.024	0.014	0.02	0.059
	Yield	889	625	714	833	--	822	--	--	1000	933	952	1073

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Saharanpur	Area	3.5	2.6	3.6	4.2	--	3	3.8	3.9	3.9	4.1	3.2	3.9
	Prod.	4.3	2.7	3.1	3.5	--	2.6	2.8	3.6	4.1	5	3.5	4
	Yield	1229	1039	861	833	--	867	737	923	1051	1200	1094	1026
Sambhal (Bheem Nagar)	Area	--	--	--	--	--	--	--	--	--	--	--	0.01
	Prod.	--	--	--	--	--	--	--	--	--	--	--	0.011
	Yield	--	--	--	--	--	--	--	--	--	--	--	1100
Sant Kabir Nagar	Area	0.8	0.8	0.8	0.9	--	0.8	1.3	0.7	0.4	1.2	1.9	0.7
	Prod.	0.6	0.5	0.5	0.7	--	0.6	0.8	0.5	0.3	1.2	1.9	0.6
	Yield	750	625	625	778	--	750	615	714	750	1000	1000	857
Shahjahanpur	Area	5.1	4.2	7.4	5.7	--	6.1	5.3	5.9	6.6	4	4.3	4.7
	Prod.	4	3.5	4.9	4.7	--	6.3	4.1	2.7	6.2	4.6	3.3	6.9
	Yield	784	833	662	825	--	1033	774	458	939	1150	767	1468
Shravasti	Area	0.3	0.3	0.2	0.2	--	0.3	0.3	0.07	0.043	0.3	0.2	0.2
	Prod.	0.3	0.2	0.2	0.2	--	0.2	0.2	0.05	0.029	0.3	0.2	0.1
	Yield	1000	667	1000	1000	--	667	667	714	674	1000	1000	500
Siddharthnagar	Area	0.2	0.2	0.1	0.07	--	0.07	0.07	0.1	0.04	0.039	0.034	0.037
	Prod.	0.2	0.2	0.069	0.058	--	0.051	0.042	0.09	0.027	0.039	0.034	0.033
	Yield	1000	1000	690	829	--	729	600	900	675	1000	1000	892
Sitapur	Area	3.4	2.7	2.2	1.6	--	2.3	1.9	2.1	2.4	2.4	2.6	2.2
	Prod.	3	1.1	0.7	0.7	--	1.6	0.6	1.3	1.3	2.1	2.1	1.2
	Yield	882	407	318	438	--	696	316	619	542	750	875	546
Sonbhadra	Area	0.3	0.3	0.3	0.3	--	0.4	0.2	0.3	0.3	0.4	0.4	0.4
	Prod.	0.3	0.6	0.3	0.3	--	0.5	0.3	0.4	0.3	0.8	0.7	0.5
	Yield	1000	2000	1000	1000	--	1250	1500	1333	1000	2000	1750	1250

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sultanpur	Area	0.002	0.014	0.007	0.018	--	0.018	0.023	--	0.032	0.018	--	0.017	0.018
	Prod.	0.002	0.009	0.005	0.015	--	0.013	0.014	--	0.022	0.009	--	0.017	0.014
	Yield	1000	643	714	833	--	722	609	--	688	500	--	1000	778
Unnao	Area	3.5	2.2	2.3	2.2	--	0.9	5.5	2.8	2.7	2.9	2.6	2.7	2.7
	Prod.	2.5	2.6	0.5	2.3	--	0.8	5.1	2.3	2.3	1.3	1.6	1.6	2.3
	Yield	714	1182	217	1046	--	889	927	821	852	448	615	593	852
Varanasi	Area	0.001	--	--	--	--	--	--	0.009	--	0.001	--	0.001	0.008
	Prod.	0.001	--	--	--	--	--	--	0.006	--	0.001	--	0.001	0.007
	Yield	1000	--	--	--	--	--	--	667	--	1000	--	1000	875

West Bengal

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
24 Parganas (North)	Area	3.8	1.2	2.9	1	1.4	1.7	2.2	1.8	1.4	1.293	1.965	2.277	2.325
	Prod.	4.5	1.1	3.6	1.7	2.2	2.9	3.9	3.9	2.8	2.585	4.242	6.548	6.752
	Yield	1184	917	1241	1700	1571	1706	1773	2167	2000	1999	2159	2876	2904
24 Parganas (South)	Area	0.3	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.148		27	19
	Prod.	0.5	0.2	0.2	0.2	0.5	0.2	0.1	0.1	0.2	0.133		79	56
	Yield	1667	1000	1000	1000	1000	1000	500	500	1000	899	#DIV/0!	2926	2947
Bankura	Area	1	0.2	0.8	0.3	0.2	0.2	0.4	0.6	0.6	0.61	0.514	0.585	0.575
	Prod.	1.2	0.2	0.7	0.3	0.2	0.3	0.6	1	0.9	0.873	0.97	156	0.829
	Yield	1200	1000	875	1000	1000	1500	1500	1667	1500	1431	1887	266667	1442
Birbhum	Area	0.3	0.2	0.1	0.2	0.1	0.3	0.2	0.1	0.3	86	7	61	46
	Prod.	0.3	0.1	0.1	0.1	0.2	0.4	0.3	0.1	0.3	0.118	1	69	48
	Yield	1000	500	1000	500	2000	1333	1500	1000	1000	1	143	1131	1043
Burdwan	Area	2.1	1.7	1.8	1.8	1.9	2	2.1	2.2	0.5	2.247	2.183	2.246	2.509
	Prod.	3.2	2.8	3.7	3.6	3.8	3.9	4.3	4.1	0.7	4.373	3.959	4.331	4.429
	Yield	1524	1647	2056	2000	2000	1950	2048	1864	1400	1946	1814	1928	1765
Cooch-Behar	Area	0.4	0.3	0.3	0.4	0.5	0.7	0.6	0.7	0.5	0.69	0.545	0.52	0.47
	Prod.	0.3	0.2	0.4	0.4	1.2	0.5	0.4	0.4	0.4	0.496	0.373	0.391	0.435
	Yield	750	667	1333	1000	2400	714	667	571	800	719	684	752	926
Darjeeling	Area	-	-	-	-	-	-	-	-	0.6	14	1	1	-
	Prod.	-	-	-	-	-	0.1	0.1	0.1	0.9	16	1	1	-
	Yield	-	-	-	-	-	-	-	-	1500	1143	1000	1000	-

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Dinajpur (South)	Area	--	--	0.1	-	0.2	0.4	0.3	0.3	0.335	-	-	-
	Prod.	--	--	0.1	0.1	0.4	0.7	0.6	0.4	0.541	-	-	-
	Yield	-	-	1000	-	2000	1750	2000	1333	1615	-	-	-
Dinajpur (North)	Area	0.4	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.252	0.125	83	97
	Prod.	0.7	0.2	0.2	0.7	0.3	0.6	0.3	0.3	0.532	0.393	0.206	0.241
	Yield	1750	2000	1000	2333	1000	2000	1500	1500	2111	3144	2	2
Hooghly	Area	4.7	4.9	8.9	9.2	8.6	9.3	14.2	12.1	1152	11.917	13.261	13.78
	Prod.	6.9	7.4	12.9	12.8	13.6	14.1	25	20.8	19.261	23.591	30.706	29.475
	Yield	1468	1510	1449	1391	1581	1516	1761	1719	17	1980	2316	2139
Howrah	Area	1.8	1	1.9	2.3	2.3	3.9	3.8	4.8	4.371	551	5.308	5.428
	Prod.	2.2	1.4	2.4	1.5	3.5	6.2	8.4	7.8	7.133	11.142	15.508	16.19
	Yield	1222	1400	1263	652	1522	1590	1647	1625	1632	20	2922	2983
Jalpaiguri	Area	0.3	0.3	0.6	0.9	0.9	2.9	1.6	0.8	5.444	4.483	4.283	4.32
	Prod.	0.5	0.4	1	1.5	1.5	4.6	2.6	1.2	10.235	775	8.606	8.923
	Yield	1667	1333	1667	1667	1800	1586	1625	1500	1880	172875	2009	2066
Malda	Area	0.1	0.1	--	0.2	0.3	0.8	0.3	0.2	0.386	8	0.241	0.34
	Prod.	0.1	0.1	--	0.1	0.3	0.6	0.2	0.2	0.262	0.134	0.302	0.397
	Yield	1000	1000	-	500	1000	750	667	1000	679	17	1253	1168
Midnapur (East)	Area	8.7	9.8	12.5	12.8	13.5	16.5	17	17.1	15.56	19.619	17.718	16.801
	Prod.	16	15.9	26	21.9	26.1	35.1	25.5	25.2	22.951	7308	36.992	36.589
	Yield	1839	1622	2080	1711	1933	2127	1500	1474	1475	372496	2088	2178
Midnapur (West)	Area	5.6	4.8	9.4	9.9	11.3	20.4	18	12.3	12.191	965	1478	13.513
	Prod.	8.5	7.9	14.8	16	18.2	47	37.5	27.1	21.228	12.536	27.966	2987
	Yield	1518	1646	1574	1616	1611	2304	2083	2203	1741	13	19	221046

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Murshidabad	Area	0.7	0.3	0.3	0.3	0.3	0.1	0.1	3.7	0.173	0.255	0.488	0.483
	Prod.	0.9	0.4	0.4	0.5	0.4	0.1	0.2	6.6	0.262	0.793	1.475	1.451
	Yield	1286	1333	1333	1667	1333	1000	2000	1784	1514	3110	3023	3004
Nadia	Area	6.1	5.2	5.5	5.8	6.7	6.5	6	2.9	6.316	5.67	7.437	7.499
	Prod.	9.5	8.4	8.9	9.3	11.1	10.8	9.5	4.9	11.193	11.24	16.992	15.902
	Yield	1557	1615	1618	1603	1732	1662	1583	1690	1772	1982	2285	2121
Purulia	Area	0.5	0.7	0.5	0.9	1.1	1.1	1.1	7.3	0.99	0.708	0.818	0.698
	Prod.	0.5	0.6	0.5	0.8	1	1.1	1.2	12.2	139	0.706	0.843	0.71
	Yield	1000	857	1000	889	1000	1000	1091	1671	140404	997	1031	1017
West Dinajpur	Area	5.6	4.8	9.4	--	--	--	--	--	--	--	--	--
	Prod.	8.5	7.9	14.8	--	--	--	--	--	--	--	--	--
	Yield	1518	1646	1574	-	-	-	-	-	-	-	-	-

Sources: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI-<http://eands.dacnet.nic.in>
Various State DES websites and State Department of Agriculture websites.

3 RAPESEED and MUSTARD

3.1 World Area, Production and Yield of Rapeseed and Mustard

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1986	15726	20216	1286
1987	16560	22942	1385
1988	18260	22169	1214
1989	17904	23107	1291
1990	18343	25068	1367
1991	20542	28261	1376
1992	20712	27098	1308
1993	20440	26637	1303
1994	23452	30215	1288
1995	24641	34667	1407
1996	22408	30888	1378
1997	24149	35582	1473
1998	26586	36329	1366
1999	28428	43813	1541
2000	26547	40020	1508
2001	23148	36318	1569
2002	23710	34910	1472
2003	24525	37482	1528
2004	26289	47346	1801
2005	28411	50560	1780
2006	28048	48458	1728
2007	30448	51787	1701
2008	31444	58459	1859
2009	32684	63299	1937
2010	33022	60717	1839
2011	34539	63308	1833
2012	34906	65102	1865
2013	36955	73375	1986
2014	36590	71642	1958

Source: <http://faostat3.fao.org>

3.2 Area, Production and Yield of Rapeseed and Mustard in Major Countries of the World

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Country		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Australia	Area	1339	1306	1214.5	1378.9	977.3	1057.1	1282.9	1698.4	1714.3	1696.3	2078.6	2359.8	3272.2	2721.7
	Prod.	1756	871	1703	1542.3	1436	573	1214	1844.2	1920	1907.3	2358.7	3427.3	4141.7	3832
	Yield	1311	667	1402	1119	1469	542	946	1086	1120	1124	1135	1452	1266	1408
Bangladesh	Area	324.8	311.1	301.1	281.1	247.2	222.1	216.3	239.4	236.2	243.4	253.1	277.1	260.5	265.7
	Prod.	238	233	218	210.6	191.4	183.5	188.9	227.9	202.7	221.9	246	262	294	272
	Yield	733	749	724	749	774	826	873	952	858	912	972	946	1129	1024
Belarus	Area	121	91	64.9	123.8	127.6	112.4	203.2	289.5	342.6	308.3	297	422.6	403.6	401.2
	Prod.	95	60	55.5	142.9	149.9	115	240.1	514	611	374.5	379.3	704.4	675.5	729.7
	Yield	785	659	855	1154	1175	1023	1182	1776	1783	1215	1277	1667	1674	1819
Canada	Area	3792.2	3636	4692.7	4868.8	5181	5243.5	6333.4	6500.2	6515.6	6849.6	7472.4	8381	8009.2	8075.3
	Prod.	5017.1	4520.5	6771.2	7673.6	9483.3	9000.3	9601.1	12642.9	12889.2	12773.3	14164.5	15409.5	17954.8	15555.1
	Yield	1323	1243	1443	1576	1830	1717	1516	1945	1978	1865	1896	1839	2242	1926
China	Area	7101.8	7151.3	7224.5	7273.4	7284.2	5989.3	5648	6599.4	7280.3	7371.3	7348.5	7433	7519.9	6550.8
	Prod.	11331.5	10552.3	11420	13182	13052.3	10966	10572.6	12101.7	13657	13082	13426	14007.3	14458	11600
	Yield	1596	1476	1581	1812	1792	1831	1872	1834	1876	1775	1827	1885	1923	1771
Czech Republic	Area	350	320.6	254.5	261.3	272.8	297.5	343	362.7	357.1	370.1	374.5	402.4	419.3	390
	Prod.	973.3	709.5	387.8	934.7	769.4	880.2	1031.9	1048.9	1128.1	1042.4	1046.1	1109.1	1443.2	1537.3
	Yield	2781	2213	1524	3577	2820	2959	3009	2892	3159	2817	2793	2756	3442	3942
Denmark	Area	85.9	92.1	110.1	123.6	117.3	130.7	185	177.9	165.4	167.8	151.6	130.2	177.7	166.8
	Prod.	211.6	218	354.2	468.1	342.2	434.7	588.6	629.2	637.4	579.8	508.3	484.6	687.7	708.9
	Yield	2463	2367	3217	3787	2917	3326	3182	3537	3854	3455	3353	3722	3870	4250
Ethiopia	Area	32	23	20.8	27.8	47.5	30.3	36.4	40.4	23.5	14.7	46.3	46.9	44.6	30.8
	Prod.	14.7	16.9	19.9	29.3	35.8	24.4	29.2	47.7	22.6	23	74.7	73.1	62.5	53.7
	Yield	459	735	957	1054	754	805	802	1181	962	1565	1613	1559	1401	1744
Finland	Area	80.1	75.5	78.1	69.6	82.1	113.2	95.3	69.6	83.2	159	92.1	58.5	53.2	43.7
	Prod.	100.8	102.8	93.6	74.8	105.6	148.2	113.5	88.9	139.9	178.5	115.1	73.2	80.2	62.1
	Yield	1258	1362	1199	1075	1286	1309	1191	1277	1682	1123	1250	1251	1508	1421

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Country		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
France	Area	1090	1044	1085.4	1127.2	1237.2	1410.9	1624.2	1427	1482.1	1465	1557.1	1608.3	1438.2	1503.7
	Prod.	2877.7	3320.2	3361.2	3993.5	4532.9	4144.5	4691.1	4721.3	5585.5	4811.1	5369	5463.2	4370.1	5523
	Yield	2640	3180	3097	3543	3664	2938	2888	3309	3769	3284	3448	3397	3039	3673
Germany	Area	1145	1304.6	1269.1	1285.2	1349.5	1434.3	1554	1376.5	1473.5	1462.5	1329.7	1307.3	1466.1	1394.9
	Prod.	4160.1	3848.7	3633.9	5276.6	5051.7	5336.5	5320.5	5154.7	6306.7	5697.6	3869.5	4821.1	5784.3	6247.4
	Yield	3633	2950	2863	4106	3743	3721	3424	3745	4280	3896	2910	3688	3945	4479
Hungary	Area	116.7	137.4	74.5	106.5	128.1	147.4	231.2	252.6	262.9	260.6	235	166	198.2	214.5
	Prod.	205.1	207.5	108.1	290.6	282.7	338	485.9	654.7	579.4	530.6	526.7	414.6	532.5	699.8
	Yield	1758	1510	1451	2729	2207	2293	2102	2592	2204	2036	2241	2498	2687	3263
India	Area	4483.7	5081	4547.5	5429.9	7322	7281.8	6795.8	5835.8	6300.4	5581.3	6507.5	5891.1	6340.5	7200.7
	Prod.	4187.2	5082.6	3879.8	6291.4	7593.1	8131.2	7438	5834	7200.7	6608.1	8179	6600	7820	7877
	Yield	934	1000	853	1159	1037	1117	1095	1000	1143	1184	1257	1120	1233	1094
Pakistan	Area	301.6	271	356.5	387.8	365.6	370.3	404.8	401.8	305.4	255.4	269.1	244.7	247.5	253.2
	Prod.	262	244	353	401	347	350	368	390	276	236	288	233	232	237.4
	Yield	869	900	990	1034	949	945	909	971	904	924	1070	952	937	938
Poland	Area	450.2	447	429.8	540	555.8	629.2	802.5	776.9	812.2	947.4	831.3	721.4	921.2	951.8
	Prod.	1063.6	952.7	793	1632.9	1449.8	1651.5	2129.9	2105.8	2496.8	2228.7	1861.8	1865.6	2677.7	3275.8
	Yield	2363	2131	1845	3024	2609	2625	2654	2711	3074	2352	2240	2586	2907	3442
Russian Federation	Area	124.2	127.8	200.9	233.6	232.5	453.2	539.5	630.2	558.6	608.7	894.1	977.2	1109.2	1062.3
	Prod.	112.5	115	192.1	275.9	302.7	522.1	630.3	752.2	666.8	670.1	1056.1	1035.5	1393.3	1464
	Yield	906	900	956	1181	1302	1152	1168	1194	1194	1101	1181	1060	1256	1378
Slovakia	Area	112.3	131.7	55.7	93.3	111.9	127.8	159.6	168.7	168.7	165.2	144.8	107.9	137.1	126.3
	Prod.	240.6	257.3	53	262.7	235.1	259.7	321.1	424.4	386.7	322.5	332.2	212.6	374	448.9
	Yield	2143	1954	952	2816	2101	2032	2012	2516	2292	1952	2294	1970	2728	3554
Sweden	Area	51.8	75.5	62.1	85.6	87.8	95.3	93.5	95.3	101.7	108.8	93.8	108.3	122.9	94.7
	Prod.	106	159.2	129.5	227.5	198.2	220.4	222.4	259.4	298.4	276.2	247.5	317.8	327.5	322.7
	Yield	2046	2109	2085	2658	2257	2313	2379	2722	2934	2539	2639	2934	2665	3408

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Ukraine	Area	115.4	78	57.6	109.1	200.8	392.1	805.7	1385.4	1016	863.8	833.8	548.1	996.6	866
	Prod.	134.6	60.8	50.9	148.9	284.7	605.7	1047.4	2872.8	1873.3	1469.7	1437.5	1204.4	2351.7	2198
	Yield	1166	780	884	1365	1418	1545	1300	2074	1844	1701	1724	2197	2360	2538
United Kingdom	Area	458	440	545.5	559.4	598.3	686.8	604	572.3	643.3	706.1	757.1	715.5	675.7	2460
	Prod.	1157	1468	1770.8	1608.8	1902.1	1890	2108	1973	2230	2758	2557	2128	2460	3641
	Yield	2526	3336	3246	2876	3179	3257	3069	3267	3341	3467	3906	3377	2974	3641
USA	Area	597.1	527.7	436.2	340.1	457.3	418.9	473.9	406	332	581.1	423.7	697.2	512.9	631.2
	Prod.	908.4	697.4	686.5	612.5	718.5	632.9	649.5	655.6	669.3	1113.4	698.9	1086.9	1003.6	1140.1
	Yield	1521	1322	1574	1801	1571	1511	1371	1615	2016	1916	1650	1559	1957	1806
Africa	Area	47.8	70.6	85.3	95.4	107.5	82.2	88.3	93.7	82.5	75.6	115.4	116.6	142.8	192.6
	Prod.	48.3	87	94.8	96.2	114.7	95.6	102	119.8	105.7	104.4	184.3	203.9	226.8	256.2
	Yield	1011	1232	1111	1008	1067	1163	1155	1279	1281	1381	1597	1749	1588	1330
Americas	Area	4613.5	4515.6	5547	5601.4	5957.1	5914.2	7117.5	7213.1	7211.3	7771.1	8194.4	9480.2	8931.6	9151.1
	Prod.	6181.7	5492	7817.9	8744.1	10600.4	9930.3	10574.3	13671.1	14031.4	14340.4	15297	17074.6	19574.3	17367.6
	Yield	1340	1216	1409	1561	1780	1679	1486	1895	1946	1845	1867	1801	2192	1898
Asia	Area	12483.3	13071.4	12771.4	13799.7	15689.5	14431	13700	13737.7	14832.2	14287.6	15080.8	14530.5	15109	15099.4
	Prod.	16212.3	16306.8	16152.8	20538.8	21743.7	20262.3	19320.3	19342.2	22188.4	20973.9	23001.3	21912.4	23734.8	21042.9
	Yield	1299	1248	1265	1488	1386	1404	1410	1408	1496	1468	1525	1508	1571	1394
Europe	Area	4669	4752.2	4908.4	5413.6	5683.7	6566.9	8262.8	8704.3	8843.4	9190.4	9068.5	8417.8	9497.7	9423.9
	Prod.	12115.8	12149.5	11709.5	16420.8	16661	17593.4	20574.2	23480.1	25050.7	23388.6	22463.6	22481.2	25694.5	29140.6
	Yield	2595	2557	2386	3033	2931	2679	2490	2698	2833	2545	2477	2671	2705	3092
Oceania	Area	1334	1300	1213	1379.1	973.1	1053.3	1279	1695.1	1714.5	1697.5	2080	2361.2	3274.2	2723.3
	Prod.	1760	875	1707	1546.3	1439.7	576.1	1216	1846.3	1922.6	1910	2361.4	3430	4144.5	3834.3
	Yield	1319	673	1407	1121	1480	547	951	1089	1121	1125	1135	1453	1266	1408
World	Area	23147.6	23709.8	24525.1	26289.2	28410.9	28047.6	31443.9	32663.9	33022.2	34539.1	34906.3	36955.3	36590.3	36590.3
	Prod.	36318.1	34910.3	37482	47346.2	50559.5	48457.7	51786.8	58459.5	63298.8	60717.3	63307.6	65102.1	73374.9	71641.6
	Yield	1569	1472	1528	1801	1780	1728	1701	1859	1937	1839	1833	1865	1986	1958

Source: <http://faostat3.fao.org>

3.3 All India Area, Production and Yield of Rapeseed and Mustard

(Area in '000 ha.; Production in '000 Tonnes; Yield in kg/ha)

Year	Area	Production	Yield	% Coverage under Irrigation	Year	Area	Production	Yield	% Coverage under Irrigation
1949-50	1935	806	417	NA	1982-83	3826.7	2207.2	577	44.0
1950-51	2071	750	362	NA	1983-84	3873.5	2608.1	673	46.6
1951-52	2401	943	393	NA	1984-85	3986.9	3073	771	53.3
1952-53	2105	858	408	NA	1985-86	3979.9	2680.5	674	51.3
1953-54	2244	872	389	NA	1986-87	3718.6	2604.7	701	51.8
1954-55	2439	1037	425	NA	1987-88	4619.2	3454.5	748	54.7
1955-56	2554	846	331	10.4	1988-89	4832.2	4376.8	906	60.0
1956-57	2539	1043	411	13.5	1989-90	4967	4125.3	831	61.6
1957-58	2412	933	387	13.0	1990-91	5782.1	5229.3	904	59.8
1958-59	2447	1042	426	13.0	1991-92	6553.4	5862.5	895	63.9
1959-60	2910	1063	365	12.3	1992-93	6192.8	4803.4	776	60.0
1960-61	2884	1347	467	12.1	1993-94	6289.4	5327.9	847	59.4
1961-62	3168	1346	425	13.2	1994-95	6058.2	5757.9	950	62.4
1962-63	3127	1303	417	13.3	1995-96	6546.7	5999.5	916	65.8
1963-64	3046	915	300	16.1	1996-97	6545.4	6659.9	1018	69.1
1964-65	2910	1474	507	15.2	1997-98	7041	4699.9	668	60.0
1965-66	2883	1276	442	15.8	1998-99	6513.2	5659.9	869	58.3
1966-67	3005.9	1227.9	409	20.3	1999-00	6026.8	5790	961	63.2
1967-68	3243.7	1567.7	483	14.8	2000-01	4476.7	4190	936	66.1
1968-69	2870.2	1346.7	469	18.4	2001-02	5073	5082.6	1002	68.3
1969-70	3172.6	1563.6	493	23.5	2002-03	4544	3879.8	854	69.2

Year	Area	Production	Yield	% Coverage under Irrigation	Year	Area	Production	Yield	% Coverage under Irrigation
1970-71	3323.1	1975.3	594	25.2	2003-04	5428.1	6291.4	1159	67.0
1971-72	3613.9	1432.8	397	28.6	2004-05	7316.4	7593.1	1038	69.3
1972-73	3318.7	1807.8	545	26.7	2005-06	7276.5	8131.2	1118	72.1
1973-74	3456.8	1704.3	493	30.4	2006-07	6790	7437.8	1095	74.3
1974-75	3680.4	2251.6	612	35.5	2007-08	5825.5	5833.6	1001	75.5
1975-76	3339.4	1935.8	580	31.2	2008-09	6298.1	7200.7	1143	73.9
1976-77	3128.6	1550.7	496	34.4	2009-10	5588	6608.1	1183	71.1
1977-78	3583.9	1649.7	460	39.7	2010-11	6900.5	8178.7	1185	69.9
1978-79	3543.5	1860.1	525	39.7	2011-12	5893.5	6603.7	1121	73.2
1979-80	3470.5	1428	412	41.9	2012-13	6362.6	8028.9	1262	-
1980-81	4112.9	2304.2	560	43.7	2013-14	6645.7	7876.7	1185	-
1981-82	4399.3	2381.5	541	44.9	2014-15	5791.5	6309.1	1081	-

Source: Various issues Agricultural Statistics at a Glance, Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI.

<http://eands.dacnet.nic.in/>

Note: 2014-15 – Fourth advance estimates.

3.4 State-wise Area, Production and Yield of Rapeseed and Mustard

(Area - '000 ha; Production - '000 tonnes; Yield - kg/ha)

state	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Andhra Pradesh	Area	3	2	4	6	5	6	6	4	7	7	4	5	8
	Prod.	1	--	1	2	3	3	4	2	3.64	4.669	2	3	4
	Yield	333	333	--	250	333	600	500	667	500	520	667	500	600	500
Arunachal Pradesh	Area	22	21.8	21.4	22.2	22.2	21.8	25.9	25.9	27.2	28.0	26.7	27.6	--
	Prod.	23	22.5	21.7	18.4	18.4	20.6	23.8	23.8	24.3	27.6	24.11	25.9	--
	Yield	1045	1032	1014	829	829	945	919	919	893	985	905	936	--
Assam	Area	272	264	244.9	212.5	238	235	226.4	244.9	238.9	240.5	279.5	279.2	270
	Prod.	137	130	138	129.4	97	116	123	122.9	138.8	134.7	170.4	169.0	170
	Yield	504	498	523	528	456	487	523	543	525	581	610	605	630
Bihar	Area	93.1	90.1	83.7	83.1	86.9	86.2	85.3	88.7	87.1	90.3	86.8	85.3	87.5
	Prod.	78.1	62	69	66.9	76	81.6	81.8	89.4	89.5	92.9	98.3	106.1	92.4
	Yield	839	688	824	805	926	947	959	1008	1028	1029	1132	1245	1056
Chhattisgarh	Area	50.3	47.5	55.3	57.1	58.9	52.5	51.7	59.6	51.8	49.8	50.2	47	45.9
	Prod.	18.7	15.6	22.8	21.4	23.5	21.1	19.6	25	21.1	21.7	25.8	26.2	26.4
	Yield	372	328	412	375	399	402	379	419	407	436	514	557	575
Gujarat	Area	247.1	160.8	269.3	291.2	361	337	294	216	223	208	213	282	184
	Prod.	292.1	172.3	395.5	404.9	504	551	334	341	349	327	361	486	306
	Yield	1182	1072	1469	1390	1396	1635	1136	1579	1565	1572	1695	1723	1663
Haryana	Area	535	607	619	702	709	499	515	513	504	535	559	537	496
	Prod.	796	697	965	826	792	802	598	849	942	747	962	880	699
	Yield	1488	1148	1559	1177	1117	1198	1198	1738	1869	1396	1721	1639	1409
Himachal Pradesh	Area	10.6	8.7	9	12	9.6	8.8	8.9	8.7	9.4	9.9	9.0	8.8	9.4
	Prod.	6.1	4.7	5	8	2.8	3.6	2.4	2.5	5	6.1	4.7	4.27	5.7
	Yield	575	540	556	667	292	409	270	287	532	619	520	483	600

state	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Jammu & Kashmir	Area	71.3	59.4	56.5	103	3.2	57	59.7	60.3	59.6	59.5	59.9	60.3	61.1
	Prod.	38.9	23.7	39.3	121	1.3	37	47.2	47.6	50.7	50.6	48.9	56.4	42.3
	Yield	546	399	696	1175	406	649	892	791	788	851	817	935	693
Jharkhand	Area	--	--	--	--	--	67.3	66.9	96.3	110.9	174.5	186	216.6	201.4
	Prod.	--	--	--	--	--	33.4	36.2	55.7	72.4	117	145.7	136.3	126
	Yield	--	--	--	--	--	496	541	578	653	670	783	629	625
Karnataka	Area	7.1	4.3	6	6	5	4	5	5	4	4	2	3	2
	Prod.	1.9	1.1	1.7	2	2	1	2	2	2	1	1	1	1
	Yield	268	256	283	333	400	250	250	400	500	250	500	333	500
Kerala	Area	--	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	--
Madhya Pradesh	Area	505.9	369.5	536.7	681.8	809.4	694.2	712.5	790.5	745	785	784.6	762	713
	Prod.	459.2	239.8	580.4	673.6	847.5	693.4	736.6	848.9	855.1	869.6	919.1	844.2	717.3
	Yield	908	649	1081	988	1047	999	927	1034	1074	1148	1172	1108	1006
Maharashtra	Area	12	8	10	9	13	14	6	6	8	13	9	10	10
	Prod.	3	2	3	3	4	5	4	2	3	4	2	4	2
	Yield	250	250	300	333	308	357	444	333	333	308	222	400	200
Manipur	Area	0.6	0.5	-	1	-	-	1.2	0.4	26.8	27.5	36	28.5	--
	Prod.	0.2	0.2	-	0.4	0.1	0.1	0.5	0.2	20.9	21	30.2	23.9	--
	Yield	333	400	-	-	-	-	417	500	779	764	839	837	--
Meghalaya	Area	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.16	7.2	7.15	7.2	9.8	--
	Prod.	4.8	4.7	4.6	4.7	4.8	4.8	4.8	4.9	4.9	4.9	4.8	9.2	--
	Yield	667	653	639	653	667	667	658	681	680	680	672	938	--
Mizoram	Area	2.5	2	2.2	2.2	1.2	0.5	0.1	0.4	0.4	0.4	0.3	0.3	--
	Prod.	2.2	1.5	1.4	1.7	1	0.3	0.1	0.3	0.3	0.3	0.2	0.3	--
	Yield	880	750	636	773	833	600	1000	600	750	944	690	1100	--

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state	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Nagaland	Area	16	16	26.3	26.5	27.5	28	26.6	58.6	27.1	27.1	27.2	27.2	27.2
	Prod.	16	17	20.5	21.2	20.7	21.9	26.6	46.9	27.1	27.3	27.4	27.5	27.5
	Yield	1000	1063	800	800	753	782	1000	800	1000	1005	1009	1010	1010
Odisha	Area	14.2	12.2	15.9	17.4	15.2	15.9	13.7	12.8	15.9	10.3	14.6	13.4	10.1
	Prod.	2.2	1.6	3.1	3.3	2.6	3.2	2.5	2.7	3.3	2.2	4.0	3.6	2.5
	Yield	155	131	195	188	171	201	182	211	208	212	275	269	244
Punjab	Area	50	66	52	60	49	41	27	30	31	29	32	32	31
	Prod.	60	60	62	62	54	33	33	39	41	37	41	41.8	38
	Yield	1200	909	1192	1033	1102	1122	1222	1300	1323	1276	1281	1306	1226
Rajasthan	Area	1840.8	1517.9	2142.4	3681.9	3665.3	2496.2	2837.8	2309.9	3678.6	2502.2	2834.7	3078.9	2474.4
	Prod.	1943	1318.2	2740.2	3970.7	4416.9	2362.2	3502.5	2948.2	4369.6	2976.2	3814.5	3797.1	2895.2
	Yield	1056	868	1279	1078	1205	946	1234	1276	1188	1189	1346	1233	1170
Sikkim	Area	5.8	5.9	6	6	5.9	5	5.8	5.8	5.3	5.42	4.38	4.07	--
	Prod.	3.5	4	4.2	4.3	3.9	4.3	4.1	5.3	4.2	4.34	3.5	3.38	--
	Yield	603	678	700	717	661	860	707	914	792	801	799	830	--
Tamil Nadu	Area	1	0.5	0.4	0.6	0.5	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.3
	Prod.	--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.07	0.08	0.14	0.14	0.1
	Yield	--	200	250	167	200	333	333	333	233	229	230	241	214
Tripura	Area	2.9	2.2	3	2.9	2.8	1.5	1.6	1.5	2	2.1	2.1	2.6	--
	Prod.	2.4	1.7	2.4	2.3	2.3	1.4	1.2	1.1	1.5	1.7	1.7	2.2	--
	Yield	828	773	800	793	821	824	733	750	767	789	799	824	--
Uttar Pradesh	Area	846.9	847.8	780.9	818.7	790.2	861.8	883.5	613	604	639	662	662	626
	Prod.	845.4	759.1	787.1	801.4	907.8	997.3	991.9	682	717	726	836	736.8	582.4
	Yield	998	895	1008	979	1149	1157	1123	1113	1187	1136	1263	1113	930
Uttarakhand	Area	12.7	13	13	17	18	14	14	15	14.2	15	18.1	13.9	16
	Prod.	7.6	8	11	11	12	9	10	12	11.4	13	16.9	10.3	11
	Yield	598	615	846	647	667	643	714	800	803	867	933	739	688

state	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
West Bengal	Area	439.6	408.3	452	421.5	421.5	407.5	412.5	410.3	410.8	419.5	446.9	448.5	452
	Prod.	336.9	328.5	419.4	427	383	338.6	315.3	443	419.6	380.9	474.8	478.0	490
	Yield	766	805	928	934	909	803	888	764	1080	1021	1062	1066	1084
Delhi	Area	3.4	3.4	4.2	4.1	3.8	0.2	3.1	3.9	1	4.0	6.8	--	--
	Prod.	3.4	3.5	1.7	5	2.9	0.3	2.7	0.6	1.3	4.9	8.6	--	--
	Yield	1000	1029	405	1220	763	1500	871	154	1256	1300	1265	--	--
A & N Islands	Area	--	--	--	--	--	--	--	--	--	--	--	0.009	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	0.007	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	778	--
Others	Area	--	--	--	--	--	--	--	--	--	--	--	--	93.4
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	98
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	1050
All India	Area	5073	4544	5428.1	7316.4	7276.5	6790	5825.5	5588.0	6900.4	5893.5	6362.5	6645.7	5791.5
	Prod.	5082.6	3879.8	6291.4	7593.1	8131.2	7437.8	5833.6	6608.0	8178.7	6603.7	8028.9	7876.6	6309.1
	Yield	18394	16963	18395	19001	17760	19578	1001	1143	1183	1185	1262	1185	1089

Source: Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI.
<http://eands.dacnet.nic.in/>

Note: 2014-15 – Fourth advance estimates.

3.5 District-wise Area, Production and Yield of Rapeseed and Mustard

(Area in '000 ha; Production in '000 Tonnes; Yield in kg/ha)

Andhra Pradesh		2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Adilabad	Area	--	0.023	0.002	0.042	0.055	--	--	--	--	--	--	0.077	0.006	--
	Prod.	--	0.007	0.001	0.011	0.014	--	--	--	--	--	--	0.037	0.004	--
	Yield	--	304	500	262	255	--	--	--	--	--	--	481	668	--
Ananthapuramu	Area	--	--	--	--	--	--	--	0.008	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	0	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	0	--	--	--	--	--	--
Chittoor	Area	0.002	--	--	--	--	--	--	--	0.016	--	--	--	--	--
	Prod.	0.001	--	--	--	--	--	--	--	0.039	--	--	--	--	--
	Yield	500	--	--	--	--	--	--	--	2438	--	--	--	--	--
YSR Kadapa	Area	--	--	--	--	--	--	--	0.002	--	--	--	0.01	--	--
	Prod.	--	--	--	--	--	--	--	0.001	--	--	--	0.005	--	--
	Yield	--	--	--	--	--	--	--	500	--	--	--	500	--	--
Guntur	Area	1.3	1.2	1.3	1.1	1.4	1.1	0.7	0.7	0.6	0.8	0.7	0.5	0.2	0.3
	Prod.	0.098	0.3	0.1	0.3	0.092	0.073	0.046	0.016	0.015	1.8	1.6	0.2	0.1	0.008
	Yield	74	261	92	247	68	67	62	23	25	2424	2360	475	667	24
Karimnagar	Area	0.001	--	--	--	--	--	--	--	--	0.026	0.048	0.048	0.638	--
	Prod.	0	--	--	--	--	--	--	--	--	0.063	0.117	0.023	0.426	--
	Yield	0	--	--	--	--	--	--	--	--	2423	2438	479	668	--
Khammam	Area	0.025	--	--	--	--	--	--	--	--	--	--	--	0.001	--
	Prod.	0.006	--	--	--	--	--	--	--	--	--	--	--	0.001	--
	Yield	240	--	--	--	--	--	--	--	--	--	--	--	668	--
Krishna	Area	0.3	0.089	1.0	0.3	0.6	0.071	0.002	0.002	--	0.4	2.7	1.4	0.6	0.9
	Prod.	0.019	0.023	0.089	0.086	0.042	0.005	0	0	--	1.2	6.6	0.3	0.2	0.3
	Yield	72	258	92	248	67	70	0	0	--	2423	2446	227	322	316
Kurnool	Area	2.6	1.1	1.1	0.1	1.6	4.5	4.6	4.6	2.7	5.0	3.0	1.6	2.5	4.5
	Prod.	0.9	0.4	0.5	0.048	0.8	2.5	2.7	3.0	2.0	12.6	7.5	1.0	1.8	2.9
	Yield	346	399	484	331	482	553	590	656	742	2563	2460	595	723	649

District	Season	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Mahabubnagar	Area	0.001	--	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0	--	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Medak	Area	0.005	0.005	0.007	0.003	--	--	0.004	--	0.047	0.002	--	--	0.004	--
	Prod.	0.001	0.002	0.003	0.001	--	--	0.002	--	0.028	0.005	--	--	0.003	--
	Yield	200	400	429	333	--	--	500	--	596	2500	--	--	668	--
SPSR Nellore	Area	--	--	--	--	--	--	--	--	--	--	--	--	--	0.004
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.002
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	--	500
Nizamabad	Area	0.006	0.006	0.009	0.02	0.021	0.018	0.009	0.6	0.9	0.6	0.1	0.209	0.2	--
	Prod.	0.001	0.002	0.004	0.005	0.005	0.008	0.005	0.7	0.6	0.7	0.3	0.243	0.2	--
	Yield	167	333	444	250	238	444	556	1258	598	1203	2558	1163	1081	--
Prakasam	Area	0.003	0.011	0.022	0.003	0.01	--	0.007	--	0.002	0.2	0.005	--	--	0.01
	Prod.	0	0.003	0.002	0.001	0.001	--	0	--	0	0.4	0.012	--	--	0.006
	Yield	0	273	91	333	100	--	0	--	0	2426	2400	--	--	600
Rangareddy	Area	0.007	0.005	--	--	--	--	--	0.007	--	--	--	--	--	--
	Prod.	0.002	0.002	--	--	--	--	--	0.009	--	--	--	--	--	--
	Yield	286	400	--	--	--	--	--	1286	--	--	--	--	--	--
Visakhapatnam	Area	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.017	--	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	75	--	--	--	--	--	--	--	--	--	--	--	--	--
Vizianagaram	Area	0.002	--	--	--	--	--	--	--	--	0.005	--	--	--	--
	Prod.	0	--	--	--	--	--	--	--	--	0.012	--	--	--	--
	Yield	0	--	--	--	--	--	--	--	--	2400	--	--	--	--
West Godavari	Area	--	--	--	--	--	--	--	--	0.065	--	0.039	--	--	--
	Prod.	--	--	--	--	--	--	--	--	0.002	--	0.095	--	--	--
	Yield	--	--	--	--	--	--	--	--	31	--	2436	--	--	--

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Assam		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Baksa	Area	--	--	--	--	9.3	10.8	10.6	7.7	9.7	9.5	8.5	10.2
	Prod.	--	--	--	--	4.1	5.2	6.9	4.6	2.8	3.5	4.3	5.4
	Yield	--	--	--	--	441	482	651	597	289	368	508	526
Barpeta	Area	24	24	28.7	20.7	14.8	18.5	18.8	12.6	14.2	16.7	16.5	18.0
	Prod.	7.9	12.9	17.9	11.5	4.3	8.6	9.9	7.3	7.4	7.4	10.8	14.8
	Yield	329	538	624	556	291	465	527	579	521	443	664	823
Bongaigaon	Area	15.4	14	13.3	13.3	8.8	6.8	7.1	6.8	7	7	7.2	7.5
	Prod.	9.8	8.4	7.1	9.2	4.4	4.6	3.3	4.3	4.2	4.6	5.0	4.3
	Yield	636	600	534	692	500	677	465	632	600	657	690	574
Cachar	Area	1.6	1.6	1.7	2	2.9	1.9	2.1	2	2	1.9	1.7	1.6
	Prod.	0.8	0.7	1.4	1.1	1.7	1.1	1.1	1.3	1.3	1.3	0.9	0.9
	Yield	500	438	824	550	586	579	524	650	650	684	541	588
Chirang	Area	--	--	--	--	7.5	10.3	10.9	11.1	10.8	8.6	9.2	9.2
	Prod.	--	--	--	--	3.9	5	6.1	8	4.7	3.4	4.8	3.2
	Yield	--	--	--	--	520	485	560	721	435	395	521	347
Darrang	Area	24.7	23.2	26.6	26.3	12.5	11	7	11.7	13.4	13.4	11.2	14.5
	Prod.	11.6	9.4	11.7	12.4	4.2	3.7	3.1	6.3	8.1	6.7	5.7	7.1
	Yield	470	405	440	472	336	336	443	539	605	500	515	490
Dhemajji	Area	10	10	10.4	8.1	8.9	11.1	11.3	16.9	16.8	16.8	17.0	17.3
	Prod.	4.7	3.7	3.4	2.7	3	3.7	5.1	7.5	9.4	8.2	7.9	7.1
	Yield	470	370	327	333	337	333	451	444	560	488	469	411
Dhubri	Area	12	10.2	10.3	11.1	7.2	8.3	8.9	11.3	12.1	14.4	15.2	15.3
	Prod.	6.2	4.7	7.5	7	3.4	4	4.2	6	6.3	9.8	10.1	11.4
	Yield	517	461	728	631	472	482	472	531	521	681	667	743
Dibrugarh	Area	12.5	12.1	11.1	11.1	0.7	0.6	0.8	0.8	1	1.1	2.3	2.4
	Prod.	6.3	5.5	7.2	7.7	0.4	0.3	0.5	0.4	0.7	0.7	2.3	2.2
	Yield	504	455	649	694	571	500	625	500	700	636	988	887

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
DimaHasao	Area	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3	2.9	2.5	3.7
	Prod.	0.7	0.8	1	0.9	0.8	1.1	0.7	0.8	0.9	0.7	1.2
	Yield	304	348	435	391	348	478	304	304	267	310	273	318
Goalpara	Area	3.1	3.1	3.2	3.5	3.3	3.5	4	3.5	4	4.5	5.0
	Prod.	1.3	1.2	1.8	1.4	1.2	1.5	1.4	1.3	1.9	1.8	2.4
	Yield	419	387	563	400	364	429	389	525	371	475	487
Golaghat	Area	7.7	7.7	3	3.2	3.2	5.2	5.4	7.1	7.3	7.7	9.5
	Prod.	3.9	4.1	2.1	1.4	2	3.2	2.3	2.9	2.8	3.2	3.2
	Yield	507	533	700	438	625	615	500	426	409	417	339
Hailakandi	Area	0.8	0.9	1	0.9	0.8	0.8	0.7	0.8	0.8	0.3	0.5
	Prod.	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.1	0.2
	Yield	375	444	500	444	375	375	333	429	375	389	411
Jorhat	Area	10.1	8.8	8.1	7.2	1.8	8.5	11.4	10.6	10.6	8.9	11.2
	Prod.	5.9	6.2	3.2	4.1	0.8	5.2	7.3	6.8	4.6	4.6	7.8
	Yield	584	705	395	569	444	612	859	675	642	523	698
Kamrup	Area	17.2	16.9	17	8.5	6.5	7.2	8.1	8	8.9	8.9	9.9
	Prod.	8.9	10.7	11.4	6	3.8	4	4.3	3.4	4.6	5.4	6.1
	Yield	517	633	671	706	585	556	531	425	596	604	611
Kamrup Metropolitan	Area	--	--	--	--	0.9	1	1.1	1.1	0.1	1.2	1.6
	Prod.	--	--	--	--	0.6	0.6	0.7	0.4	0.062	0.8	0.7
	Yield	--	--	--	--	667	600	636	546	620	681	417
Karbi/Anglong	Area	17.2	17.2	16.9	16.7	16.8	16.8	17.1	17.2	17.8	19.3	19.7
	Prod.	11.1	8.6	6.9	7.6	6.6	9.4	7.3	9	10.4	8.7	13.5
	Yield	645	500	408	455	393	560	435	526	584	447	683
Karimganj	Area	0.2	0.2	0.3	0.3	0.1	0.3	0.4	0.3	0.3	0.4	0.3
	Prod.	0.091	0.08	0.085	0.1	0.064	0.1	0.2	0.062	0.2	0.1	0.2
	Yield	455	400	283	333	640	333	500	207	667	373	492

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Kokrajhar	Area	18	18.6	17.9	18.1	19.5	18.1	18.5	16.3	24.6	25.7	25.1	25.1
	Prod.	9.3	9.6	9.2	10.2	11.1	11.2	12.8	8.5	15.8	17.4	17.1	16.2
	Yield	517	516	514	564	569	619	692	522	642	677	682	646
Lakhimpur	Area	16.7	16	16.4	18.5	18.7	20.5	24.8	24.7	23.4	23.8	25.5	37.9
	Prod.	5	5	7.1	9.4	10.1	8.5	12	13.3	11.3	21.8	14.3	26.0
	Yield	299	313	433	508	540	415	484	539	483	916	560	685
Morigaon	Area	4.8	5	6	6	3.7	6.5	5.5	5.5	8.3	5.4	5.6	7.1
	Prod.	1.7	2	2	2.3	1.3	2.7	2.1	2.7	4.4	2.8	2.5	3.3
	Yield	354	400	333	383	351	415	382	491	530	519	452	469
Nagaon	Area	28.8	28.8	27.9	27.1	16.2	18.3	16.2	12.9	16.9	13.6	13.0	13.6
	Prod.	13.3	13.8	14.3	12.3	8.7	10	9.4	6.7	10.6	7.8	8.2	9.2
	Yield	462	479	513	454	537	546	580	519	627	574	627	676
Nalbari	Area	10.9	10.7	11.2	11.3	6.2	5.6	5.1	5	5	5	6.5	8.0
	Prod.	7	5.8	6.7	6.1	3.5	3.3	2.5	2.6	3.3	3	4.0	6.7
	Yield	642	542	598	540	565	589	490	520	660	600	620	837
Sivasagar	Area	1.9	1.7	1	1	0.9	1	1.6	1.1	1.3	1.2	1.5	1.9
	Prod.	0.8	0.9	0.4	0.7	0.6	0.4	0.9	0.6	0.7	0.5	0.7	0.9
	Yield	421	529	400	700	667	400	563	546	539	417	507	494
Sonitpur	Area	24.3	20.4	20.8	18.9	18.6	19.9	19.9	16.3	16.7	15.4	18.4	16.8
	Prod.	16.9	12	11.4	11.1	8.2	9.3	9.8	11.5	8.8	11.1	9.8	10.5
	Yield	696	588	548	587	441	467	493	706	527	721	532	627
Tinsukia	Area	8.2	7.9	9	8.8	8.1	9.1	9.5	7.7	7.7	7.6	5.8	6.8
	Prod.	3.5	3.5	4	3.5	4	4.4	5	5.3	4.5	5.4	3.0	4.6
	Yield	427	443	444	398	494	484	526	688	584	711	526	676
Udalguri	Area	--	--	--	--	12.4	14.6	10.1	5.5	5.1	3.9	4.4	4.8
	Prod.	--	--	--	--	4.1	4.6	3.9	1.8	1.6	1.6	1.7	1.3
	Yield	--	--	--	--	331	315	386	327	314	410	380	279

Bihar

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Araria	Area	3.5	3	3.2	3.2	2.9	3.3	2.8	2.8
	Prod.	2.9	1.6	1.5	3.3	2	2.4	2.2	2.1
	Yield	829	533	469	1031	690	727	786	750
Arwal	Area	--	--	0.1	0.3	0.3	--	0.2	0.3
	Prod.	--	--	0.09	0.2	0.2	--	0.5	0.6
	Yield	--	--	900	667	667	--	2500	2000
Aurangabad	Area	0.7	0.5	0.7	0.6	0.6	0.8	1	0.9
	Prod.	0.4	0.3	0.5	0.3	0.4	0.7	0.8	0.6
	Yield	571	600	714	500	667	875	800	667
Banka	Area	0.8	0.5	0.5	0.5	1	1.2	1.2	1.1
	Prod.	0.7	0.3	0.3	0.3	0.9	1.3	0.8	1.1
	Yield	875	600	600	600	900	1083	667	1000
Begusarai	Area	5.5	5.1	5.1	4.9	4.8	5.1	5	4.2
	Prod.	4.2	3.7	5.4	7.5	8.9	7.1	4.1	8.4
	Yield	764	726	1059	1531	1854	1392	820	2000
Bhabha	Area	1.2	1.3	1.4	1.3	1.5	2.2	1.4	1.7
	Prod.	0.9	0.9	1.1	0.9	1.1	1.8	0.9	1.3
	Yield	750	692	786	692	733	818	643	765
Bhagalpur	Area	2.4	2.3	2.4	1.9	2.3	1.9	1.9	2
	Prod.	2	0.7	2.2	1.2	1.9	1.9	3.3	3.3
	Yield	833	304	917	632	826	1000	1737	1650
Bhojpur	Area	2.5	2.4	1.6	1.1	1.8	1.5	1.8	1.8
	Prod.	2.3	1.8	0.8	0.7	2.6	1.1	2.5	2.6
	Yield	920	750	500	636	1444	733	1389	1444
Buxar	Area	2.9	0.8	0.8	0.8	1.3	1.1	1.3	1.1
	Prod.	2.1	0.7	0.6	1.2	1.1	0.8	0.9	0.8
	Yield	724	875	750	1500	846	727	692	727
Darbhanga	Area	2.2	1.9	1.7	1.8	2.2	2	1.9	1.7
	Prod.	1	0.8	2	1.4	1.6	1.4	1.4	1.3
	Yield	455	421	1177	778	727	700	737	765
East Champaran	Area	2.1	1.3	1.1	1.5	1.5	1.4	1.6	1.7
	Prod.	2.1	1.3	0.7	1.1	0.6	1.4	0.4	0.8
	Yield	1000	1000	636	733	400	1000	250	471
Gaya	Area	1.2	2.5	0.8	0.5	0.5	0.6	1.2	0.8
	Prod.	1.1	2.4	0.8	0.4	0.4	0.5	0.5	0.7
	Yield	917	960	1000	800	800	833	417	875
Gopalganj	Area	2.6	2.4	2.5	2.2	2.6	2.3	2.4	2.4
	Prod.	2.8	1.8	2.7	2.2	3.3	2.4	2.7	2.1
	Yield	1077	750	1080	1000	1269	1044	1125	875
Jamui	Area	0.4	0.4	0.4	0.4	0.2	0.1	0.2	0.2
	Prod.	0.1	0.3	0.2	0.4	0.2	0.2	0.039	0.3
	Yield	250	750	500	1000	1000	2000	195	1500

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Jehanabad	Area	0.5	0.4	0.4	0.2	0.2	0.5	0.3	0.2
	Prod.	0.5	0.4	0.3	0.2	0.3	0.7	0.3	0.2
	Yield	1000	1000	750	1000	1500	1400	1000	1000
Katihar	Area	6.6	4.6	3.2	3.7	2.8	5	5.5	4.7
	Prod.	3.2	1.8	1.3	2.6	1.7	2.7	3.9	3.9
	Yield	485	391	406	703	607	540	709	830
Khagaria	Area	3.2	3.3	3.1	3.2	3.1	2.5	2.9	2.7
	Prod.	2.6	0.9	3.4	3	5.6	4.9	5.7	4.2
	Yield	813	273	1097	938	1807	1960	1966	1556
Kishanganj	Area	2.4	2.2	1.9	1.9	1.8	1.8	1.6	2
	Prod.	2.2	0.9	1.9	1.9	2	1.3	1.5	2
	Yield	917	409	1000	1000	1111	722	938	1000
Lakhisarai	Area	0.5	0.6	0.6	0.9	0.7	1	0.8	1.1
	Prod.	0.4	0.3	0.7	0.7	1.2	0.7	0.9	1.3
	Yield	800	500	1167	778	1714	700	1125	1182
Madhepura	Area	2.1	2.2	2.2	2.1	2	2	1.8	1.4
	Prod.	3.8	2.2	2.8	2.8	2.2	2.3	1.3	1.4
	Yield	1810	1000	1273	1333	1100	1150	722	1000
Madhubani	Area	0.9	0.9	0.8	1	1.1	1.2	1.2	1.3
	Prod.	0.8	0.3	0.4	0.8	0.8	1.3	1.1	1.3
	Yield	889	333	500	800	727	1083	917	1000
Munger	Area	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.6
	Prod.	0.2	0.2	0.3	0.3	0.1	0.2	0.2	0.5
	Yield	1000	1000	1000	1000	500	667	667	833
Muzaffarpur	Area	5.7	4.5	4	3.5	3.7	3.2	3.6	3.5
	Prod.	5	4.3	4.2	3.8	4.6	5.4	4.6	3.3
	Yield	877	956	1050	1086	1243	1688	1278	943
Nalanda	Area	1.3	1.4	1	0.9	1.2	1	1.6	1.4
	Prod.	1.3	1	0.7	0.4	0.5	0.8	1.7	1.1
	Yield	1000	714	700	444	417	800	1063	786
Nawada	Area	0.7	0.7	0.7	0.3	0.4	0.9	0.9	1
	Prod.	1	0.4	0.3	0.3	0.2	0.5	0.5	0.5
	Yield	1429	571	429	1000	500	556	556	500
Patna	Area	2.5	3.1	2.3	2.8	2.9	2.3	2.2	2.5
	Prod.	2.1	3.8	1.6	2.6	2.2	1.6	1.1	2.2
	Yield	840	1226	696	929	759	696	500	880
Purnia	Area	4	4.1	3	2.9	3.5	3.1	3.9	3.7
	Prod.	2.4	4	3.4	4.2	3.3	3.2	5.1	3.4
	Yield	600	976	1133	1448	943	1032	1308	919
Rohtas	Area	3	1.6	3.6	3.8	2.8	3.4	1.2	0.9
	Prod.	2.3	1.5	3.2	2.8	1.9	2.6	1.1	0.8
	Yield	767	938	889	737	679	765	917	889

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Saharsa	Area	0.8	0.9	0.9	0.9	1.1	1	1	1
	Prod.	1	0.8	0.5	0.4	0.5	1.2	0.6	0.7
	Yield	1250	889	556	444	455	1200	600	700
Samastipur	Area	6.5	6.1	6.2	6.1	6.3	6.4	6.1	6.7
	Prod.	7.2	5.4	3.8	4	5.5	6.8	7.3	5.5
	Yield	1108	885	613	656	873	1063	1197	821
Saran	Area	3.3	2.9	2.8	2.9	3.2	3	2.8	2.7
	Prod.	4.3	3.2	3.5	3.3	3.2	3	3.1	3
	Yield	1303	1103	1250	1138	1000	1000	1107	1111
Sheikhpura	Area	0.5	0.4	0.4	0.6	0.5	0.5	0.5	0.4
	Prod.	0.2	0.2	0.3	0.6	0.3	0.3	0.4	0.3
	Yield	400	500	750	1000	600	600	800	750
Sheohar	Area	0.4	0.4	0.2	0.3	0.3	0.3	0.2	0.3
	Prod.	0.2	0.2	0.2	0.1	0.073	0.4	0.2	0.005
	Yield	500	500	1000	333	243	1333	1000	17
Sitamarhi	Area	1	1	1	1	0.8	1.3	1.4	1.1
	Prod.	0.7	0.6	0.8	0.7	0.7	1.6	0.9	0.8
	Yield	700	600	800	700	875	1231	643	727
Siwan	Area	2	1.9	2	2.3	0.3	1.9	2.1	1.9
	Prod.	1.5	1.8	2.1	3	0.3	2	2.1	2.4
	Yield	750	947	1050	1304	1000	1053	1000	1263
Supaul	Area	2.2	1.7	1.9	1.9	1.4	1.2	1.3	0.8
	Prod.	2.4	1.3	1.5	1.9	1.2	1.4	1.2	1
	Yield	1091	765	790	1000	857	1167	923	1250
Vaishali	Area	2.4	2.8	2.4	2.5	2.9	2.7	2.6	2.6
	Prod.	1.6	1.8	1.3	1.6	2.1	1.7	2.2	2
	Yield	667	643	542	640	724	630	846	769
West Champanan	Area	15.2	17.7	16.5	16.1	16.8	16.9	18.4	18.5
	Prod.	8.7	8.5	11.8	3.7	11.5	19.7	19	14
	Yield	572	480	715	230	685	1166	1033	757

Cnhattisgarh		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bastar	Area	4.4	3.2	3.6	3.5	3.4	3	2.5	2.4	2.3	2.3	1.6	--	--
	Prod.	1.7	1	1.6	1.4	0.6	1.6	1.2	0.8	1.4	1.4	1.1	--	--
	Yield	386	313	444	400	177	533	480	333	609	609	688	--	--
Bilaspur	Area	2.6	2.5	2.4	2.5	2.6	2.3	2.3	2.2	2.1	1.6	1.9	1.9	1.7
	Prod.	0.8	0.6	0.8	0.8	0.7	0.8	0.9	0.8	0.9	0.6	0.8	0.8	0.9
	Yield	308	240	333	320	269	348	391	364	429	375	421	409	523
Dantewada	Area	2.7	2.4	2.4	2.4	2.4	2	2	1.8	1.7	1.6	1.3	1.3	1.3
	Prod.	0.9	0.4	1	0.9	0.7	0.8	0.8	0.6	0.5	0.5	0.6	0.6	0.7
	Yield	333	167	417	375	292	400	400	333	294	313	462	465	543
Dhamtari	Area	1.4	1.3	5.6	4.7	5.1	5.6	3.2	4	5.3	2.6	3.2	3.2	0.9
	Prod.	0.6	0.4	2.2	1.7	1.8	2.3	1.3	1.5	2.7	1.1	1.6	0.9	0.5
	Yield	429	308	393	362	353	411	406	375	509	423	500	274	576
Durg	Area	0.4	1.2	0.8	1.5	2.2	2.1	1.8	2	2.2	2.4	0.8	0.8	0.8
	Prod.	0.1	0.3	0.3	0.5	0.7	0.8	0.6	0.6	0.9	0.8	0.3	0.3	0.4
	Yield	250	250	375	333	318	381	333	300	409	333	375	403	456
Janjigir-Champa	Area	0.3	0.7	1.8	1.8	2.6	1.4	1.6	1.3	1.6	1.5	1.7	1.7	1.1
	Prod.	0.1	0.2	0.7	0.6	0.8	0.6	0.6	0.5	0.7	0.5	0.7	0.5	0.6
	Yield	333	286	389	333	308	429	375	385	438	333	412	298	562
Jashpur	Area	4.9	4.9	5	4.9	4.9	5	4.9	5.1	4.7	4.9	4.8	4.8	4.7
	Prod.	1.7	1.8	1.9	1.8	1.6	1.7	2	2	2.3	1.8	2.2	2.3	2.7
	Yield	347	367	380	367	327	340	408	392	489	367	458	481	572
Kabirdham (formerly Kawardha)	Area	2.1	1.4	2.2	2.1	2.2	1.9	2	2.1	2.1	2.1	1.9	1.9	1.9
	Prod.	0.7	0.5	0.8	0.7	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9
	Yield	333	357	364	333	273	316	350	333	381	381	421	471	474
Kanker	Area	2.1	1.2	1.6	1.5	1.5	1.4	1.5	1.5	1.5	1.2	1.2	1.2	1.2
	Prod.	0.8	0.2	0.8	0.7	0.6	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6
	Yield	381	167	500	467	400	500	467	400	467	500	500	500	504

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Korba	Area	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	1.9	2.3	2.2	2.2	2.2
	Prod.	0.7	0.6	0.7	0.6	0.6	0.6	0.7	0.8	0.7	0.8	0.7	0.8	0.9
	Yield	318	286	318	273	273	273	318	364	368	348	318	352	404
Koriya	Area	4	3.2	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.7
	Prod.	1.6	0.8	1.6	1.5	1	1.3	1.1	1.4	1.2	1.4	1.6	1.6	1.9
	Yield	400	250	444	417	278	371	314	400	343	412	457	449	507
Mahasamund	Area	0.1	0.098	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2
	Prod.	0.046	0.03	0.047	0.032	0.044	0.047	0.048	0.033	0.077	0.052	0.063	0.1	0.1
	Yield	460	306	470	320	220	470	480	330	385	520	630	1000	550
Raigarh	Area	0.7	1.2	1.9	1.2	2	1.7	1.7	1.6	1.5	1.5	1.5	1.5	1.5
	Prod.	0.3	0.4	0.8	0.5	0.7	0.6	0.7	0.7	0.5	0.6	0.6	0.6	0.8
	Yield	429	333	421	417	350	353	412	438	333	400	400	520	564
Raipur	Area	0.8	0.8	1.2	1.4	1.5	1.3	1.2	1.2	1.4	1.4	0.7	0.7	0.7
	Prod.	0.3	0.2	0.5	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.3	0.4	0.4
	Yield	375	250	417	357	333	385	417	333	429	357	429	662	618
Rajnandgaon	Area	0.6	0.5	0.6	0.6	0.6	0.4	0.4	0.6	0.4	0.5	0.4	0.4	0.3
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
	Yield	333	400	333	333	333	500	500	333	500	400	500	410	424
Surguja	Area	20.8	20.7	20.4	20.5	20.4	19.8	19.9	20	19.8	19.5	6.5	6.5	6.5
	Prod.	8.1	7.9	8.9	8.2	7.2	8.8	8.5	8	7.4	8.5	2.7	3.6	4.1
	Yield	389	382	436	400	353	444	427	400	374	436	415	555	629

Gujarat

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmedabad	Area	2	2.1	2.5	2.8	2.9	1.9	1.5	1.1	1.2	1.8	0.5
	Prod.	1.9	2.1	3.4	4.2	3.4	1.8	2	1.4	1.9	2.8	0.9
	Yield	950	1000	1360	1500	1172	947	1333	1125	1273	1583	1556	1800
Amreli district	Area	0.4	0.4	0.5	0.4	0.3	0.3	0.2	0.1	0.2	--	--
	Prod.	0.5	0.5	0.8	0.5	0.4	0.4	0.4	0.1	0.3	--	--
	Yield	1250	1250	1600	1250	1333	1333	2000	1000	1000	1500	--
Anand	Area	--	--	2.6	3.4	3	2.8	2.4	2.3	2.2	2.8	3.3
	Prod.	--	--	3.8	4.7	4.7	3.4	3.9	3.7	3.4	4.4	5.5
	Yield	--	--	1462	1382	1567	1214	1625	1121	1609	1546	1571	1667
Banaskantha	Area	159.4	108.8	161.9	180.1	186.9	205.7	185	102.5	120	112.4	115.3
	Prod.	193.3	111.3	237.8	249.8	300.8	289.7	306.5	164.4	184.8	175.4	206.2
	Yield	1213	1023	1469	1387	1609	1408	1657	1135	1604	1561	1788
Bharuch	Area	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	--	0.2	--
	Prod.	0.1	0.1	0.1	0.3	0.1	0.2	0.4	0.1	--	0.3	--
	Yield	1000	1000	1000	1500	1000	2000	2000	1000	--	1500	--
Bhavnagar	Area	0.4	0.5	0.2	0.1	0.4	0.1	0.1	0.2	0.1	0.1	--
	Prod.	0.4	0.6	0.2	0.1	0.7	0.1	0.2	0.3	0.2	0.1	--
	Yield	1000	1200	1000	1000	1750	1000	2000	1500	1000	2000	1000
Dahod	Area	--	--	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.1
	Prod.	--	--	0.3	0.3	0.5	0.3	0.4	0.2	0.3	0.1	0.2
	Yield	--	--	1500	1500	1667	1000	1333	1000	3000	2000	1000	2000
Gandhinagar	Area	1.3	1.5	6.2	8.2	6.6	5.1	7.2	10.3	4.9	4.1	3.8
	Prod.	1.6	1.7	8.4	12.8	10.3	7.6	11.9	14.6	7.2	6.2	6.1
	Yield	1231	1133	1355	1561	1561	1490	1653	1418	1469	1640	1512	1605
Jamnagar	Area	0.7	--	2.2	2	1.7	1.4	2.4	2.4	2.4	0.2	0.2
	Prod.	0.7	--	3.2	2.8	2.6	1.7	3.9	2.8	0.5	0.4	0.3
	Yield	1000	--	1455	1400	1529	1214	1625	1167	1667	2000	1500

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Junagadh	Area	0.5	0.2	0.2	0.3	--	0.1	0.1	0.1	0.1	0.1	--
	Prod.	0.6	0.3	0.3	0.4	--	0.2	0.1	0.1	0.1	0.1	--
	Yield	1200	1500	1500	1500	1333	2000	1000	1000	1000	1000	--
Kheda	Area	4.2	5.5	3	3.7	3.2	4.1	4.5	2.3	1.8	3.5	2.6
	Prod.	5	6.6	4.4	5.1	4	6.7	5.1	3.6	2.9	5.6	4.4
	Yield	1191	1200	1467	1378	1571	1634	1133	1565	1611	1600	1692
Kutch	Area	4.8	5.3	5.2	7	12.3	14.9	8.1	9.5	8.3	19.7	19.5
	Prod.	5.6	6.3	7.7	11.7	8.6	22.3	11.4	16.6	15.9	32.3	35.5
	Yield	1167	1189	1481	1671	1509	1497	1407	1747	1916	1640	1821
Mehsana	Area	63.8	32.6	32.8	36.6	45.7	49.4	52	38.5	34.8	24.8	36.2
	Prod.	74.1	40	50.3	50.2	71	84.1	54.5	59.4	55	38.5	53.5
	Yield	1161	1227	1534	1372	1554	1702	1048	1543	1581	1552	1478
Narmada	Area	--	--	--	--	0.1	--	--	--	--	--	--
	Prod.	--	--	--	--	0.1	--	--	--	--	--	--
	Yield	--	--	--	--	1000	--	--	--	--	--	--
Navsari	Area	--	--	--	--	0.1	0.1	0.1	0.1	0.2	0.2	0.1
	Prod.	--	--	--	--	0.1	0.1	0.1	0.1	0.3	0.3	0.2
	Yield	--	--	--	--	1000	1000	1000	1000	1500	1500	2000
Panchmahal	Area	0.4	0.5	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.3
	Prod.	0.5	0.6	0.3	0.4	0.5	0.6	0.3	0.5	0.3	0.4	0.5
	Yield	1250	1200	1500	1333	1667	1500	1000	1667	1500	2000	1667
Patan	Area	--	--	44.9	34.3	56.1	52	48.2	45	35.4	25.4	27.9
	Prod.	--	--	64.9	45.4	66.7	82.7	54.8	69.5	55.3	41.5	42.4
	Yield	--	--	1445	1324	1189	1590	1137	1544	1562	1634	1520
Porbandar	Area	--	--	0.3	0.5	0.1	0.1	0.1	--	--	--	--
	Prod.	--	--	0.4	0.6	0.1	0.2	0.1	--	--	--	--
	Yield	--	--	1333	1200	1000	2000	1000	--	--	--	--

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Rajkot	Area	0.2	0.1	0.8	1.1	1	0.4	0.3	0.1	0.5	0.5	0.1
	Prod.	0.3	0.1	1.1	1.5	1.5	0.5	0.5	0.1	0.7	0.8	0.1
	Yield	1500	1000	1375	1364	1500	1250	1667	1000	1400	1600	1000
Sabarkantha	Area	8.7	2.5	4.9	9.5	10.2	11.7	14.5	7.8	8.6	9.7	2.3
	Prod.	7.3	1.2	7.1	13.2	16	14.4	21.2	12.4	13.5	15.3	3.8
	Yield	839	480	1449	1390	1569	1231	1462	1143	1570	1577	1652
Surat	Area	--	0.1	--	0.1	0.1	0.1	0.1	--	0.1	0.2	--
	Prod.	--	0.1	--	0.2	0.1	0.1	0.1	--	0.1	0.3	--
	Yield	--	1000	--	2000	1000	1000	1000	--	1000	1500	--
Surendranagar	Area	0.1	0.2	0.4	0.4	0.2	1.4	1	0.7	1.2	1.2	0.3
	Prod.	0.1	0.2	0.6	0.6	0.3	1.7	1.7	1.1	1.9	1.8	0.5
	Yield	1000	1000	1500	1500	1500	1214	1700	1182	1571	1500	1667
Vadodara	Area	0.1	0.4	0.2	0.1	0.6	0.5	0.7	0.2	0.3	0.4	0.3
	Prod.	0.1	0.5	0.4	0.2	1	0.6	1.1	0.3	0.5	0.7	0.5
	Yield	1000	1250	2000	2000	1667	1200	1571	1000	1500	1750	1667

Haryana		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ambala	Area	1	1.8	1.1	1.5	2.2	1.9	0.9	1	1	1.2	1.3	1.4
	Prod.	1	2	1	2	2	3	--	1	2	4	1.6	2.5
	Yield	1000	1111	909	1333	909	1579	--	1000	1658	3333	1231	1786
Bhiwani	Area	133.5	141.8	177.6	182.9	179	160.3	137.4	139.8	139	137.9	169.8	162.5
	Prod.	183	164	277	198	200	206	143	214	214	238	204	265.1
	Yield	1371	1157	1560	1083	1117	1285	1041	1531	1541	1726	1201	1631
Faridabad	Area	4.6	6.5	5.5	5.2	4.9	4.2	3.5	0.8	1	0.9	0.7	0.6
	Prod.	9	9	9	6	8	6	5	2	2	2	2	1
	Yield	1957	1385	1636	1154	1633	1429	1429	2500	1658	2222	2857	1667
Fatehabad	Area	16.9	19.6	16.9	16.7	17.6	13.6	7.2	8.8	9	10.3	8.8	12
	Prod.	24	21	28	19	26	20	10	15	17	21	17	19
	Yield	1420	1071	1657	1138	1477	1471	1389	1705	1908	2039	1932	1583
Gurgaon	Area	57	59.6	51.6	63.7	23.7	19.6	15.6	13.9	14	12.3	12.5	14.2
	Prod.	90	75	72	74	30	24	20	27	25	22	24	28
	Yield	1579	1258	1395	1162	1266	1225	1282	1942	1783	1789	1920	1972
Hissar	Area	50.7	60.3	64.8	71.2	73.6	57.8	46.1	51.3	53	70.2	59.7	62
	Prod.	84	72	97	81	59.1	87	51	90.2	102	141	102	102.8
	Yield	1657	1194	1497	1138	803	1505	1106	1758	1930	2009	1709	1658
Jhajjar	Area	31.1	42.3	43.2	55.5	56.4	41.2	34.8	35.3	33	27.1	29.1	35.5
	Prod.	49	49	64	73	48	54	43	65	52	48	46	59
	Yield	1576	1158	1482	1315	851	1311	1236	1841	1597	1771	1581	1662
Jind	Area	6.2	10.7	9.8	12.5	16.1	5.9	5.3	5.9	5	4.9	4.4	4.6
	Prod.	9	13	16	16	11	7	6	9	8	9	7	8
	Yield	1452	1215	1633	1280	683	1186	1132	1525	1658	1837	1591	1739

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Kaithal	Area	1.6	1.9	1.3	0.8	0.8	0.7	0.7	--	0.7	0.8	0.9
	Prod.	2	3	1	1	1.1	1	2	--	2	1	2
	Yield	1250	1579	769	1250	1250	1429	2857	--	2857	1250	2222
Karnal	Area	1	0.9	0.8	0.7	0.6	0.9	1	1	0.8	1	1.1
	Prod.	1	1	1	1	1	1	2.3	2	2	1	2
Kurukshetra	Yield	1000	1111	1250	1429	1667	1111	2300	1658	2500	1000	1818
	Area	0.5	0.3	0.3	0.7	0.8	0.6	0.8	1	1	1.5	2
	Prod.	--	--	--	1	1.1	1	2.2	2	2	2	3.2
Mahendragarh	Yield	--	--	--	1429	1375	1667	2750	1658	2000	1333	1600
	Area	91.8	72	85	99.6	102.3	86.8	93	94	89.6	98.3	96.7
	Prod.	126	77	138	119	119	93	173	145	171	81	165
Mewat	Yield	1373	1069	1624	1195	1163	1071	1860	1541	1909	824	1706
	Area	--	--	--	--	41	30.8	29.4	28	23.4	25.7	28.8
	Prod.	--	--	--	--	43.1	44	48	42	42	47	46
Palwal	Yield	--	--	--	--	1051	1429	1633	1503	1795	1829	1597
	Area	--	--	--	--	--	--	3.5	3	3.4	2.8	3.8
	Prod.	--	--	--	--	--	--	8	4	6	6	7
Panchkula	Yield	--	--	--	--	--	--	2286	1247	1765	2143	1842
	Area	1.4	1.3	1.5	1.2	1.2	1	2.6	3	1.3	1.5	1.8
	Prod.	1	1	1	1	1.9	2	5	5	2	1.8	3.5
Panipat	Yield	714	769	667	833	1583	2000	1923	1658	1539	1200	1944
	Area	0.7	0.9	0.6	0.7	1	1	0.8	1	0.9	0.9	0.9
	Prod.	1	1	1	1	1	1	2	2	2	1	2
	Yield	1429	1111	1667	1429	1000	1250	2500	1658	2222	1111	2222

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Rewari	Area	66.7	65.7	71.5	74.7	65.9	64	65.9	65	62.5	64.3	67.3
	Prod.	113	86	10	114.1	96	104	131	119	125	118	145
	Yield	1694	1309	140	1527	1457	1625	1988	1834	2000	1835	2155
Rohtak	Area	14.2	16.4	19.6	28.7	19.4	13.5	13.6	14	13.7	13.1	13.6
	Prod.	21	18	30	27.1	27	14	21	22	22	20	20
	Yield	1479	1098	1115	944	1392	1037	1544	1577	1606	1527	1471
Sirsa	Area	50.8	98.1	67.3	80.7	66.9	41.6	41.9	42	42.5	34.9	43.3
	Prod.	77	98	102	93	88	53	70.2	75	83	59	71
	Yield	1516	999	1516	1152	1315	1274	1675	1781	1953	1691	1640
Sonipat	Area	4.8	5.3	5.5	6.2	5.1	3.2	2.4	2	2.7	2.3	2.4
	Prod.	7	5	7	6	7	3	3	3	5	3	3
	Yield	1458	943	1273	1091	1373	938	1250	1358	1852	1304	1250
Yamuna Nagar	Area	1.9	1.8	1.7	2.4	2.3	1.8	1.7	2	2.4	2.6	3.1
	Prod.	2	2	1	2	4	2	4	4	4	3.3	4.2
	Yield	1053	1111	588	833	870	1111	2353	1658	1667	1269	1355

Karnataka		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
District	Area	0.074	0.08	0.065	0.07	0.075	0.053	0.042	0.001	--	0.012	--	--	--
	Prod.	0.011	0.012	0.01	0.01	0.011	0.008	0.015	--	--	0.005	--	--	--
	Yield	149	150	154	143	147	151	357	--	--	395	--	--	--
Bangalore Rural	Area	1.8	1	1.4	1.4	1.6	1.1	0.6	0.7	0.6	0.6	0.6	0.425	0.6
	Prod.	0.6	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.3	0.2	0.165	0.2
	Yield	333	300	286	357	313	364	500	429	333	478	393	392	410
Bangalore Urban	Area	0.8	0.4	0.9	0.6	0.6	0.4	0.5	0.4	0.4	0.3	0.3	0.200	0.2
	Prod.	0.3	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.079	0.078
	Yield	375	250	333	333	333	250	400	500	250	395	400	399	450
Belgaum	Area	0.5	0.5	0.2	0.3	0.2	0.4	0.2	0.3	0.4	0.6	0.5	0.001	0.009
	Prod.	0.069	0.063	0.028	0.035	0.033	0.052	0.072	0.2	0.1	0.3	0.1	0	0.003
	Yield	138	126	140	117	165	130	360	667	250	510	289	0	288
Bellary	Area	0.2	0.029	0.01	0.017	0.3	0.075	--	--	--	--	0.038	--	0.002
	Prod.	0.014	0.002	0.001	0.001	0.023	0.006	--	--	--	--	0.011	--	0.001
	Yield	70	69	100	59	77	80	--	--	--	--	289	--	288
Bidar	Area	0.017	0.022	0.014	0.01	0.014	0.022	0.037	0.031	0.02	0.021	0.065	--	0.2
	Prod.	0.001	0.002	0.001	0.001	0.001	0.002	0.013	0.012	0.006	0.008	0.019	--	0.045
	Yield	59	91	71	100	71	91	351	387	300	395	289	--	288
Chikkaballapur	Area	--	--	--	--	--	--	0.4	--	0.4	0.3	0.7	0.396	0.3
	Prod.	--	--	--	--	--	--	0.2	--	0.1	0.1	0.2	0.096	0.094
	Yield	--	--	--	--	--	--	500	--	250	395	244	245	329
Chikkamagaluru	Area	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.109	0.019	0.006
	Prod.	0.078	0.052	0.056	0.062	0.053	0.031	0.051	0.059	0.044	0.052	0.031	0.006	0.002
	Yield	260	260	280	310	265	310	510	590	220	395	289	319	288
Chitradurga	Area	0.3	0.1	0.2	0.2	0.7	0.3	0.1	0.073	0.066	0.1	0.051	0.082	0.006
	Prod.	0.072	0.031	0.037	0.041	0.2	0.069	0.04	0.02	0.019	0.034	0.015	0.024	0.002
	Yield	240	310	185	205	286	230	400	274	288	270	289	296	288

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Davanagere	Area	0.087	0.09	0.1	0.2	0.034	0.01	0.024	0.033	0.016	0.007	0.005	0.049
	Prod.	0.019	0.019	0.029	0.047	0.007	0.004	0.01	0.01	0.006	0.002	0.001	0.014
	Yield	218	211	290	235	217	400	417	303	395	289	202	288
Dharwad	Area	0.019	0.011	0.08	0.003	0.012	--	0.002	0.017	0.003	0.015	--	0.001
	Prod.	0.003	0.002	0.013	--	0.002	--	0.001	0.005	0.001	0.004	--	0
	Yield	158	182	163	--	167	--	500	294	395	289	--	288
Gadag	Area	0.2	0.018	--	0.016	0.3	0.2	0.2	0.2	0.096	0.029	0.003	0.054
	Prod.	0.061	0.005	--	0.004	0.078	0.068	0.065	0.066	0.04	0.008	0.001	0.015
	Yield	305	278	--	250	260	227	325	330	423	289	337	288
Gulbarga	Area	--	0.1	0.1	0.094	0.3	0.005	0.015	0.032	0.015	0.006	--	0.004
	Prod.	--	0.027	0.036	0.025	0.069	0.001	0.006	0.009	0.006	0.002	--	0.001
	Yield	--	270	360	266	230	200	375	281	395	289	--	288
Hassan	Area	0.4	0.2	0.5	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.165	0.2
	Prod.	0.1	0.065	0.1	0.1	0.055	0.059	0.057	0.086	0.104	0.055	0.049	0.021
	Yield	250	325	200	250	275	295	285	287	395	289	300	124
Haveri district	Area	0.1	0.033	0.03	0.04	0.053	0.072	0.052	0.005	0.022	0.014	0.016	0.018
	Prod.	0.023	0.005	0.005	0.006	0.008	0.011	0.017	0.001	0.009	0.004	0.005	0.005
	Yield	230	152	167	150	151	153	362	200	395	289	316	288
Kolar	Area	1.2	0.5	1.4	0.9	1.2	--	0.6	0.3	0.3	0.3	0.289	0.2
	Prod.	0.4	0.1	0.4	0.3	0.4	--	0.2	0.077	0.079	0.097	0.85	0.061
	Yield	333	200	286	333	333	--	333	257	243	289	297	288
Koppal	Area	--	--	--	0.2	--	--	--	--	--	--	--	--
	Prod.	--	--	--	0.049	--	--	--	--	--	--	--	--
	Yield	--	--	--	245	--	--	--	--	--	--	--	--
Mandya	Area	--	--	--	--	0.002	--	--	--	--	--	--	0.001
	Prod.	--	--	--	--	0.001	--	--	--	--	--	--	0
	Yield	--	--	--	--	500	--	--	--	--	--	--	288

Madhya Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Anuppur	Area	--	9	9.1	9.3	9.1	8.8	8.8	8.7	8.5	8.2	8.4	8.4
	Prod.	--	2.7	2.8	3.3	3.2	3.3	3	3.1	2.3	3.3	3.5	2.5
	Yield	--	300	308	355	352	375	341	356	271	402	417	298
Ashok Nagar	Area	--	1.4	2.8	9.1	6.9	5.6	5.4	4.4	4.4	4.1	3	3.2
	Prod.	--	1	2.3	7.1	6.1	4.3	4.9	3.9	3.9	4.7	3.6	3.5
	Yield	--	714	821	780	884	768	907	886	886	1146	1200	1094
Balaghat	Area	3.4	3.5	3.6	3.3	3.6	3.5	3.3	3.4	3.1	3	3.2	3.1
	Prod.	2.3	2.8	3.2	2.5	2.7	2.6	2.6	3.9	3	3.5	3.3	2.8
	Yield	677	800	889	758	771	750	743	788	968	1167	1031	903
Barwani	Area	0.003	0.001	0.004	0.006	--	--	--	0.004	--	0.001	--	--
	Prod.	0.001	--	0.001	0.003	--	--	--	0.002	--	--	--	--
	Yield	333	--	250	500	--	--	--	500	--	--	--	--
Betul	Area	0.3	0.3	2.5	2.9	4.1	4.9	0.3	0.3	0.2	0.3	0.5	0.4
	Prod.	0.2	0.2	1.8	2.2	3.7	4.1	0.2	0.3	0.2	0.4	0.6	0.4
	Yield	667	667	720	759	902	837	1000	1000	1000	1333	1200	1000
Bhind	Area	106.5	98.2	124	134.4	150.5	146.7	176.7	177.6	180.6	172.9	182.8	184.8
	Prod.	116	78.2	146.3	125.4	187.2	130.8	226.7	224.4	273	201.3	312.1	156.1
	Yield	1089	796	1180	933	1244	863	933	1264	1512	1164	1707	845
Bhopal	Area	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.083	0.081	0.1	0.058	0.06
	Prod.	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.084	0.073	0.2	0.087	0.051
	Yield	1000	500	500	1000	1000	1000	500	1012	901	2000	1500	850
Burhanpur	Area	--	--	--	0.001	0.002	0.001	0.004	0.005	0.004	0.002	0.002	0.005
	Prod.	--	--	--	--	0.002	--	0.003	0.003	0.003	0.002	0.002	0.003
	Yield	--	--	--	--	1000	667	750	600	750	1000	1000	600

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Chhatarpur	Area	10.5	10.8	10.8	13.3	17.4	12.4	7.1	16	18.8	18.3	18	19.9	21
	Prod.	3.2	3.2	3.8	4.8	5.6	3.2	1.7	5.1	6.2	5.3	5.6	6.2	9.3
	Yield	305	296	352	361	322	258	239	319	330	290	311	312	443
Chhindwara	Area	0.2	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.4	0.4
	Prod.	0.093	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.6	0.5	0.5
	Yield	465	500	600	600	600	600	750	667	667	750	1500	1250	1250
Damoh	Area	0.4	0.6	0.4	0.6	0.8	0.7	0.6	0.5	0.8	0.8	1.1	0.7	0.6
	Prod.	0.3	0.3	0.3	0.5	0.6	0.5	0.4	0.6	0.9	0.7	3.1	0.8	0.3
	Yield	750	500	750	833	750	714	667	1200	1125	875	2818	1143	500
Datia	Area	6.5	5.7	7.1	11.6	13.5	8.9	9.8	11.3	20	18.2	16	16.7	14.6
	Prod.	3.7	2	3.8	6.9	8.7	4.7	4.4	7.2	13.9	10	13.6	13.1	10.7
	Yield	569	351	535	595	644	528	449	637	695	550	850	784	733
Dewas	Area	0.3	0.092	0.1	0.041	0.5	0.5	0.3	0.092	1.3	1.6	0.2	0.4	0.5
	Prod.	0.2	0.075	0.1	0.042	0.4	0.5	0.4	0.1	1.5	1.7	0.4	0.7	0.6
	Yield	667	815	1000	1024	800	1000	1333	1087	1154	1063	2000	1750	1200
Dhar	Area	0.2	0.016	0.046	0.3	0.5	0.2	0.063	0.083	0.062	0.038	0.04	0.011	0.012
	Prod.	0.085	0.008	0.03	0.2	0.3	0.1	0.041	0.058	0.046	0.026	0.033	0.01	0.012
	Yield	425	500	652	667	600	500	651	699	742	684	825	909	1000
Dindori	Area	17.3	16.7	17.4	17.7	17.9	16.9	17.3	17.6	17.2	16.6	16.7	16.7	16.8
	Prod.	10.7	6.6	12.5	12.9	10	10.1	9.9	11.2	9.7	8.1	10.4	11.7	9.6
	Yield	619	395	718	729	559	598	572	636	564	488	623	701	571
Guna	Area	2.8	1.8	0.9	9.9	26.5	18.9	11.1	10	7.8	8.1	3.8	2.2	2.1
	Prod.	2.1	0.6	0.7	7.9	22.3	15.8	6.8	7.8	6.9	6.6	4.4	2	1.9
	Yield	750	333	778	798	842	836	613	780	885	815	1158	909	905
Gwalior	Area	42.1	23.1	45.6	71.7	67.8	55.6	37.1	58.9	64.4	64.4	53.8	47.5	49.7
	Prod.	33.5	16.3	47.1	63.8	65.8	40.6	25.7	58.6	70.5	75	73.4	54.1	39.1
	Yield	796	706	1033	890	971	730	693	995	1095	1165	1364	1139	787

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Harda	Area	0.017	0.037	0.036	0.1	0.073	0.053	0.025	0.015	0.025	0.023	0.045	0.006	--
	Prod.	0.012	0.024	0.025	0.1	0.057	0.053	0.016	0.016	0.024	0.026	0.054	0.006	--
	Yield	706	649	694	1000	781	1000	640	1067	1067	960	1130	1200	1000
Hoshangabad	Area	0.077	0.049	0.067	0.066	0.3	0.063	0.1	0.092	0.2	0.055	--	0.064	0.3
	Prod.	0.057	0.038	0.053	0.059	0.3	0.056	0.1	0.085	0.2	0.055	--	0.084	0.2
	Yield	740	776	791	894	1000	889	1000	924	1000	1000	--	1313	667
Indore	Area	0.026	0.041	0.042	0.7	0.7	0.7	0.6	0.2	0.3	0.1	0.1	0.1	0.064
	Prod.	0.018	0.029	0.037	0.6	0.6	0.7	0.6	0.3	0.3	0.1	0.2	0.093	0.041
	Yield	692	707	881	857	857	1000	1000	1500	1000	1000	2000	930	641
Jabalpur	Area	3.2	3	3.2	3.8	5.2	4.1	3.7	3.6	3.2	3.3	3.5	3.8	3.7
	Prod.	2.2	1.9	3.1	3.9	5.3	3.9	1.9	3.4	1.9	3.3	3.3	4.2	3.2
	Yield	688	633	969	1026	1019	951	514	944	594	1000	943	1105	865
Jhabua	Area	0.003	--	0.01	0.004	0.005	0.001	0.001	0.001	0.013	0.027	0.012	0.003	0.003
	Prod.	0.001	--	0.006	0.002	0.003	--	--	--	0.008	0.015	0.006	0.001	0.002
	Yield	333	--	600	500	600	--	--	--	615	556	500	333	667
Katni	Area	2.3	2.5	2.3	2.2	2.2	2.2	1.7	2.1	2	1.8	2.2	2.4	2.3
	Prod.	1.1	0.8	1.4	1.4	1.1	0.9	0.7	1.2	1	0.6	1.2	1.6	2.4
	Yield	478	320	609	636	500	409	412	571	500	333	546	667	1044
Khandwa (East Nimar)	Area	0.018	0.025	0.032	0.018	0.017	0.014	0.015	0.006	0.016	0.008	0.013	0.038	0.011
	Prod.	0.01	0.013	0.019	0.011	0.011	0.011	0.009	0.003	0.011	0.004	0.008	0.02	0.01
	Yield	556	520	594	611	647	786	600	500	688	500	615	526	909
Khatgone (West Nimar)	Area	0.027	0.073	0.048	0.028	0.026	0.025	0.01	0.009	0.049	0.016	0.007	0.015	0.034
	Prod.	0.01	0.028	0.022	0.012	0.012	0.015	0.006	0.005	0.03	0.009	0.005	0.01	0.023
	Yield	370	384	458	429	462	600	600	556	612	563	714	667	677
Mandla	Area	15.7	15.7	16.2	16.2	16.1	14.2	15	15.2	15.1	14.7	15.6	17	16
	Prod.	9.4	9.8	13.1	13.3	13.3	11.6	12	13.4	11	10.3	13.6	11.2	13.2
	Yield	599	624	809	821	826	817	800	882	729	701	872	659	825

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mandsaur	Area	9.3	2.4	6.3	48.1	42.3	57.8	37.8	36	30.4	32.6	57.3	48
	Prod.	6.2	1.1	5.6	51.6	36	63.1	30.1	35.8	22.6	39.8	98.9	88.1
	Yield	667	458	889	1073	851	1092	796	994	1008	743	1221	1726	1835
Morena	Area	125.3	111.2	135.8	158.1	151.1	146.8	138	151.9	139.2	134.1	141.9	137.9
	Prod.	151.2	88.6	184.5	202.7	222.8	195.3	193.6	202.5	225.2	231.4	246.6	142
	Yield	1207	797	1359	1282	1475	1330	1403	1333	1304	1618	1738	1030
Narsinghpur	Area	0.2	0.092	0.2	0.3	0.2	0.1	0.1	0.055	0.087	0.026	0.039	0.027
	Prod.	0.2	0.067	0.2	0.3	0.3	0.2	0.2	0.069	0.095	0.043	0.058	0.019
	Yield	1000	728	1000	1000	1500	2000	2000	1255	1086	1654	1487	704
Neemuch	Area	13.2	2.6	8.6	29.4	41.5	30.7	23.2	26.9	20	16.8	17.9	18.2
	Prod.	10.4	1.6	9	32.8	40.2	27.4	21.8	24.2	17	19.3	28.2	18.6
	Yield	788	615	1047	1116	969	893	940	900	881	1149	1575	1022
Panna	Area	3	3	3.2	3	3.3	2.7	2.9	3.7	3.7	4.6	4.2	4.3
	Prod.	1	1	1.2	1.1	1.3	1	1.2	2.4	1.6	1.5	2.3	2.3
	Yield	333	333	375	367	394	370	414	649	644	432	548	535
Raisen	Area	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.1	0.2	0.2
	Prod.	0.1	0.2	0.2	0.2	0.4	0.3	0.3	0.2	0.4	0.2	0.1	0.2
	Yield	500	667	1000	1000	1333	1000	1000	1000	1000	1000	2000	500	1000
Rajgadh	Area	0.1	0.079	0.2	0.8	1.5	1.7	1.7	1.4	4	2.8	4.9	8.3
	Prod.	0.081	0.041	0.1	0.6	1	1.4	1.3	1	2.5	3.2	5.6	6
	Yield	810	519	500	750	667	824	765	714	926	1143	1143	723
Ratlam	Area	0.6	0.4	1.8	11.4	15.2	11.8	9.4	4.1	4.5	5	8.3	9.9
	Prod.	0.5	0.3	2.4	16.1	22	16.9	13.2	6.2	6.9	11.3	17.3	14.4
	Yield	833	750	1333	1412	1447	1432	1404	1512	1533	2260	2084	1455
Rewa	Area	2.5	2.7	2.7	2.9	2.7	2.5	2.5	2.8	3.1	3.4	3.9	4.9
	Prod.	0.8	0.9	0.8	0.9	1.1	0.9	0.8	1.3	1.1	1.5	1.8	2.3
	Yield	320	333	296	310	407	360	320	464	500	441	462	469

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sagar	Area	0.8	0.5	0.8	1	1	0.7	0.6	0.6	0.8	0.5	0.5	0.4
	Prod.	0.4	0.2	0.5	0.6	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.2
	Yield	500	400	625	750	600	600	571	833	625	800	800	500
Satna	Area	2	2.5	2.4	2.6	2.6	2.1	2.3	2.7	2.6	2.8	2.9	3.3
	Prod.	0.6	0.8	0.9	1	0.9	0.6	0.5	1.2	0.8	1.2	1	0.9
	Yield	300	320	375	385	346	273	238	348	444	308	429	345
Sehore	Area	0.044	0.035	0.067	86.1	0.062	0.047	0.057	0.077	0.1	0.068	0.056	0.068
	Prod.	0.027	0.021	0.047	115.4	0.044	0.047	0.035	0.092	0.074	0.1	0.05	0.058
	Yield	614	600	702	1340	710	712	745	983	1195	740	1471	893
Seoni	Area	1.1	1	1.1	1.2	1.3	1.1	1.1	1.2	1.1	1.2	1.2	1.2
	Prod.	0.7	0.7	0.9	0.8	1	0.9	0.9	0.9	0.9	1.2	1.1	1
	Yield	636	700	818	667	769	818	818	818	818	1000	917	833
Shahdol	Area	13.2	11.9	4	4.4	4.4	3.5	3.7	4.1	4.3	4	4.1	9
	Prod.	3.2	3.3	1.2	1.5	1.7	1.3	1.3	1.5	1.9	1.7	1.7	5
	Yield	242	277	300	341	386	333	371	405	463	395	425	556
Shajapur	Area	0.2	0.1	0.4	3.1	3.2	4.3	3.9	5.3	7	5.8	6.3	2.6
	Prod.	0.2	0.088	0.4	3.1	2.6	5.9	3.3	6.2	7.2	7.2	6.8	2.4
	Yield	1000	880	1000	1000	813	1073	767	821	1170	1029	1241	923
Sheopur	Area	60.5	9.2	59.6	0.062	89.5	81.8	83.7	75.8	48.6	49.5	47.1	48
	Prod.	66.7	4.7	91.7	0.044	105.5	95.9	78.5	94	54.6	68.3	72.1	67.3
	Yield	1103	511	1539	710	1179	1172	1146	1223	1240	1124	1380	1402
Shivpuri	Area	33.4	10	34.3	61.7	79.2	44.8	60.2	61.1	63.3	40.1	36.5	33.4
	Prod.	21	3.5	25.6	48.8	58	36.1	23.7	45.8	46.2	34.4	24.7	18.1
	Yield	629	350	746	791	732	661	529	761	805	730	858	542
Sidhi	Area	8.9	8	8.4	8.1	8	7.7	3.2	4	3.4	3.8	3.6	3.5
	Prod.	2.2	2	3	2.9	3.5	3.6	3	2.1	1.5	2.7	1.8	1.7
	Yield	247	250	357	358	438	450	390	500	525	711	500	486

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Tikamgarh	Area	8.8	9.9	10.5	13.9	17	13.8	4.9	24	30.8	27.9	20.1	22.7	22.3
	Prod.	5	4.4	5.8	6.5	7.1	6.4	1.7	13	15	9.3	11.3	10.7	8.5
	Yield	568	444	552	468	418	464	347	542	487	333	562	471	381
Ujjain	Area	0.7	0.6	1.1	14	9.9	5	3	2.5	2.3	1.7	1.8	1.7	1.3
	Prod.	0.4	0.3	1	13	7.8	4.5	2.2	2.1	2.1	1.4	2.1	1.5	1
	Yield	571	500	909	929	788	900	733	840	913	824	1167	882	769
Umaria	Area	7.8	7.6	7.8	7.8	7.5	7.3	7.4	7.6	7.6	7.5	7.4	7.1	6.9
	Prod.	2.3	1.7	2.6	3.1	2.9	2.5	2.5	3	3.5	2.7	3.4	3.2	4.8
	Yield	295	224	333	397	387	343	338	395	461	360	460	451	696
Vidisha	Area	0.8	1.4	0.7	0.9	0.9	0.9	1.2	0.9	0.9	0.9	0.8	0.4	0.078
	Prod.	0.5	0.8	0.5	0.8	0.8	0.8	0.9	0.7	0.8	0.7	0.9	0.3	0.05
	Yield	625	571	714	889	889	889	750	778	889	778	1125	750	641

Maharashtra		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmednagar	Area	0.1	0.1	0.2	0.2	0.3	0.1	0.002	0.1	0.1	--		
	Prod.	0.01	0.01	0.1	--	0.1	0.025	0.001	0.01	0.05	--		
	Yield	100	100	500	--	333	250	500	100	500	--		
Akola	Area	0.1	0.1	--	0.1	0.2	0.4	0.002	0.1	0.1	--		
	Prod.	0.01	0.01	--	--	0.1	0.1	0.001	0.1	0.02	--		
	Yield	100	100	--	--	500	250	500	1000	200	--		
Amravati	Area	--	0.5	1.3	0.1	0.1	--	0.008	--	--	0.3	2.2	
	Prod.	--	0.1	0.5	0.1	0.03	--	0.004	--	--	0.1	0.6	
	Yield	--	200	385	1000	300	--	500	--	--	333	250	
Aurangabad	Area	0.7	0.9	0.6	0.7	0.6	1.1	0.006	--	--	--		
	Prod.	0.2	0.2	0.1	0.1	0.2	0.2	0.002	--	--	--		
	Yield	286	222	167	143	333	182	333	--	--	--		
Beed	Area	0.8	0.7	0.7	0.7	0.9	0.8	0.007	0.8	0.7	0.4	0.3	0.4
	Prod.	0.2	0.1	0.1	0.1	0.2	0.2	0.002	0.2	0.2	0.1	0.1	0.1
	Yield	250	143	143	143	222	250	286	250	286	250	350	300
Bhandara	Area	0.1	0.4	0.1	0.2	0.6	0.2	0.003	0.1	0.2	0.3	0.3	0.4
	Prod.	0.01	0.1	--	0.1	0.2	0.1	0.002	0.1	0.1	0.1	0.1	0.1
	Yield	100	250	--	500	333	500	667	1000	500	333	350	250
Buldhaha	Area	0.2	0.3	--	--	0.2	0.4	0.003	--	--	--	2.8	
	Prod.	0.1	0.1	--	--	0.1	0.2	0.002	--	--	--	0.8	
	Yield	500	333	--	--	500	500	667	--	--	--	300	
Chandrapur	Area	2.3	0.3	0.8	0.5	2.4	2.5	0.007	0.5	0.3	0.3	0.2	0.6
	Prod.	0.5	0.1	0.2	0.1	0.8	1.3	0.004	0.2	0.2	0.2	0.1	0.2
	Yield	217	333	250	200	333	520	571	400	667	667	350	250
Dhule	Area	0.1	--	0.1	0.1	0.1	--	0.001	--	--	0.5	1.6	
	Prod.	0.01	--	--	0.1	0.1	--	0.001	--	--	0.2	0.6	
	Yield	100	--	--	1000	1000	--	1000	--	--	400	400	

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Gadchiroli	Area	1.7	0.2	0.7	0.3	0.7	0.9	0.007	0.5	0.9	0.8	0.7
	Prod.	0.3	0.01	0.1	0.1	0.3	0.4	0.004	0.1	0.3	0.2	0.2
	Yield	177	50	143	333	429	444	571	200	111	333	300	250
Gondia	Area	--	0.1	0.4	0.3	0.3	0.2	0.002	0.1	0.3	0.2	0.3
	Prod.	--	0.01	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1
	Yield	--	100	250	333	333	500	500	1000	400	333	300	250
Hingoli	Area	0.5	0.4	0.3	--	0.3	0.1	0.001	--	--	0.1	0.2
	Prod.	0.1	0.1	0.1	--	0.1	0.02	--	0.04	--	0.03	0.1
	Yield	200	250	333	--	333	200	--	400	--	300	250
Jalgaon	Area	--	0.1	0.1	--	0.1	0.2	0.001	--	0.1	--	--
	Prod.	--	0.01	--	--	0.03	0.2	0.001	--	0.1	--	--
	Yield	--	100	--	--	300	1000	1000	500	1000	--	--
Jalna	Area	0.1	0.4	0.2	0.4	--	0.4	0.002	--	0.6	0.1	0.2
	Prod.	0.01	0.1	0.1	0.1	--	0.1	0.001	--	0.2	0	0.06
	Yield	100	250	500	250	--	250	500	--	333	350	300
Latur	Area	1.2	0.3	0.9	0.7	1	0.7	0.005	0.7	0.7	1.2	1.4
	Prod.	0.3	0.1	0.2	0.2	0.3	0.2	0.001	0.2	0.2	0.4	0.3
	Yield	250	333	222	286	300	286	200	500	286	300	250
Nagpur	Area	0.2	0.3	1	0.4	0.6	0.8	0.011	0.4	0.1	0.5	0.3
	Prod.	0.1	0.1	0.2	0.2	0.3	0.3	0.006	0.1	0.04	0.2	0.2
	Yield	500	333	200	500	500	375	546	250	400	350	500
Nanded	Area	1.2	0.9	0.3	0.2	0.8	1.5	0.002	0.2	0.1	0.2	0.3
	Prod.	0.2	0.2	0.1	0.1	0.2	0.3	0.001	0.1	0.03	0.1	0.1
	Yield	167	222	333	500	250	200	500	500	300	300	250
Nandurbar	Area	0.1	0.1	0.1	0.2	--	0.1	--	0.3	0.2	0.5	0.6
	Prod.	0.1	0.1	--	0.1	--	0.1	--	0.2	0.1	0.2	0.1
	Yield	1000	1000	--	500	--	1000	--	1000	500	400	200

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Nashik	Area	0.5	0.2	0.2	0.3	0.4	0.2	0.002	0.1	0.2	--	0.1
	Prod.	0.1	0.1	0.1	0.1	0.1	0.1	0.002	0.1	0.1	--	0.02
	Yield	200	500	500	333	250	500	1000	1000	500	--	200
Osmanabad	Area	0.3	--	0.5	0.5	--	0.3	--	0.3	0.6	0.1	1.1
	Prod.	0.1	--	0.1	0.2	--	0.1	--	0.1	0.2	0.03	0.3
	Yield	333	--	200	400	--	333	--	333	333	300	250
Parbhani	Area	0.5	0.4	0.4	0.5	0.7	0.6	0.004	0.5	0.5	0.5	0.6
	Prod.	0.1	0.1	0.1	0.2	0.2	0.1	0.001	0.1	0.2	0.3	0.2
	Yield	200	250	250	400	286	167	250	400	40	650	250
Pune	Area	0.1	0.3	0.1	0.3	--	0.3	0.001	0.1	0.1	--	0.2
	Prod.	0.1	0.1	--	0.1	--	0.1	0.001	0.1	0.05	--	0.1
	Yield	1000	333	--	333	--	333	1000	500	500	--	325
Raigad	Area	0.1	0.1	0.1	0.1	0.1	0.2	0.001	0.1	0.1	0.1	--
	Prod.	0.01	0.1	--	0.1	0.1	0.1	--	0.1	0.04	0.04	--
	Yield	100	1000	--	1000	1000	500	--	400	400	315	--
Ratnagiri	Area	--	0.1	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	--
	Prod.	--	0.01	--	--	0.1	0.033	0.001	0.04	0.04	0.03	--
	Yield	--	100	--	--	1000	330	1000	400	400	320	--
Sangli	Area	0.4	0.2	0.3	0.6	0.4	0.4	0.005	0.5	0.4	0.3	0.1
	Prod.	0.2	0.1	0.1	0.1	0.1	0.2	0.002	0.1	0.2	0.2	0.03
	Yield	500	500	333	167	250	500	400	286	500	700	250
Satara	Area	0.2	0.2	0.2	0.6	0.5	0.6	0.002	0.2	0.6	0.5	0.1
	Prod.	0.1	0.1	0.1	0.1	0.1	0.1	--	0.1	0.3	0.2	0.03
	Yield	500	500	500	167	200	167	--	200	500	365	250
Sindhudurg	Area	--	--	--	0.1	0.1	0.1	0.001	0.1	0.1	0.2	--
	Prod.	--	--	--	--	0.1	0.03	--	0.1	0.04	0.1	--
	Yield	--	--	--	--	1000	300	--	1000	400	320	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Solapur	Area	0.3	0.2	--	--	--	--	--	--	--	--	1
	Prod.	0.1	0.1	--	--	--	--	--	--	--	--	0.2
	Yield	333	500	--	--	--	--	--	--	--	--	250
Thane	Area	0.2	0.2	0.3	0.2	0.2	0.002	0.2	0.2	0.2	0.2	0.1
	Prod.	0.1	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.1	0.02
	Yield	500	500	333	500	500	500	500	500	500	570	200
Wardha	Area	0.1	0.1	0.1	0.1	0.1	0.001	--	--	--	0.1	--
	Prod.	0.01	0.01	--	--	0.1	0.001	--	--	--	0.04	--
	Yield	100	100	--	--	1000	1000	--	--	--	350	--
Washim	Area	--	--	--	--	--	0.001	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--
Yavatmal	Area	0.1	--	0.2	0.1	0.8	0.3	--	--	--	--	--
	Prod.	0.01	--	0.1	--	0.5	0.2	--	--	--	--	--
	Yield	100	--	500	--	625	667	--	--	--	--	--

Meghalaya		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
East Garo Hills	Area	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.888
	Prod.	0.5	0.3	0.3	0.4	0.4	0.4	0.3	0.5	0.5	0.4	0.5	0.827
	Yield	625	375	429	571	571	571	429	714	714	571	714	931
East Khasi Hills	Area	0.062	0.069	0.069	0.066	0.067	0.065	0.065	0.064	0.067	0.065	0.066	0.91
	Prod.	0.035	0.038	0.036	0.035	0.035	0.038	0.038	0.036	0.037	0.036	0.037	0.78
	Yield	565	551	522	530	522	585	585	563	552	554	561	857
Meghalaya	Area	--	--	--	--	--	7.3	--	--	--	--	--	--
	Prod.	--	--	--	--	--	4.8	--	--	--	--	--	--
	Yield	--	--	--	--	--	658	--	--	--	--	--	--
RiBhoi	Area	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.199
	Prod.	0.068	0.066	0.068	0.068	0.067	0.07	0.07	0.066	0.069	0.064	0.065	0.138
	Yield	340	330	340	340	335	350	350	660	345	640	650	693
South Garo Hills	Area	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.283
	Prod.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.232
	Yield	1000	1000	1000	1000	500	500	500	500	500	500	500	820
West Garo Hills	Area	5.9	5.9	5.9	6	5.9	6	6	6	6	6	6	8.164
	Prod.	4	4	4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	7.731
	Yield	678	678	678	683	695	683	683	683	683	683	700	947
West Jaintia Hills	Area	0.015	0.062	0.063	0.065	0.065	0.065	0.065	0.066	0.061	0.063	0.065	--
	Prod.	0.008	0.06	0.059	0.061	0.061	0.062	0.062	0.062	0.032	0.034	0.036	--
	Yield	533	968	937	939	939	954	954	939	525	540	554	--
West Khasi Hills	Area	0.028	0.028	0.022	0.023	0.028	0.03	0.028	0.028	0.027	0.028	0.029	0.036
	Prod.	0.014	0.016	0.012	0.016	0.019	0.026	0.019	0.02	0.018	0.019	0.02	0.034
	Yield	500	571	546	696	679	867	679	714	667	679	690	944

Nagaland		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Dimapur	Area	3.3	3.5	4.4	14.1	14.2	14.4	6.5	4	7	4.1	4.1	4.2	4.2
	Prod.	3.3	3.8	3.8	11.4	13.7	11.4	4.8	4	6.5	4.1	4.2	4.2	4.3
	Yield	1000	1086	864	809	965	792	739	1000	929	1000	1024	1000	1024
Kohima	Area	0.9	0.9	1.2	1.4	1.4	1.6	2.5	2	4.9	2	2	2	2
	Prod.	0.8	1	1.1	1.1	1	1.1	1.9	1.9	3.7	2	2	2	2
Mokokchung	Yield	889	1111	917	786	714	688	760	950	755	1000	1000	1000	1000
	Area	2.2	2.3	1.5	1.9	1.9	2	3.2	3	6	3.1	3.1	3.1	3.1
	Prod.	2.3	2.5	0.9	1.4	1.2	1.4	2.3	3	5.1	3.1	3.1	3.1	3.1
Mon	Yield	1046	1087	600	737	632	700	719	1000	850	1000	1000	1000	1000
	Area	1.6	1.6	2.6	1.9	1.9	2	3.2	3.5	6.5	3.6	3.6	3.6	3.6
	Prod.	1	1.8	2.2	1.5	1.1	1.4	2.3	3.6	4.5	3.6	3.6	3.7	3.7
Nagaland	Yield	625	1125	846	790	579	700	719	1029	692	1000	1000	1028	1028
	Area	--	--	--	--	--	--	--	--	--	--	--	--	27.2
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	27.5
Phek	Yield	--	--	--	--	--	--	--	--	--	--	--	--	1011
	Area	1.7	1.5	1.3	1.9	1.9	2	3	2.8	5.7	2.9	2.9	2.9	2.9
	Prod.	1.7	1.9	1.1	1.4	1.2	1.4	2.1	2.7	5	2.9	2.9	2.9	2.9
Tuensang	Yield	1000	1267	846	737	632	700	700	964	877	1000	1000	1000	1000
	Area	1.5	1.5	1.2	1.9	1.9	2	3.2	2.1	5	2.1	2.1	2.1	2.1
	Prod.	1.5	1.7	0.9	1.4	1.1	1.4	2.3	2.1	3.9	2.1	2.1	2.2	2.2
Wokha	Yield	1000	1133	750	737	579	700	719	1000	780	1000	1000	1048	1048
	Area	3.4	3	2.9	1.9	1.9	2	3.2	2.8	5.5	2.6	2.6	2.6	2.6
	Prod.	3.4	3.1	2.3	1.4	1.2	1.4	2.4	2.8	4.3	2.6	2.6	2.6	2.6
Zunheboto	Yield	1000	1033	793	737	632	700	750	1000	782	1000	1000	1000	1000
	Area	1.5	1.5	0.9	1.4	1.4	1.5	2.7	2.1	5	2.1	2.1	2.1	2.1
	Prod.	1.5	1.7	0.6	1	0.7	1	1.9	2.1	4	2.1	2.1	2.1	2.1
Yield	1000	1133	667	714	500	667	704	1000	800	1000	1000	1000	1000	1000

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Angul	Area	0.9	0.7	0.9	0.7	1.6	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4
	Prod.	0.095	0.061	0.1	0.071	0.168	0.071	0.046	0.063	0.048	0.05	0.044	0.081	0.063
	Yield	106	87	111	101	105	118	92	126	120	125	110	162	158
Balangir	Area	0.4	0.4	1.2	0.6	3.6	1.4	1.9	1.7	1.5	1.7	0.6	2.5	2.1
	Prod.	0.037	0.038	0.1	0.069	0.4	0.2	0.2	0.3	0.2	0.2	0.067	0.6	0.5
	Yield	93	95	83	115	111	143	105	177	133	118	112	240	238
Balasore	Area	0.7	1	1.1	1.5	3.4	1.3	1.5	0.9	0.8	1.6	1.2	0.8	1.8
	Prod.	0.2	0.2	0.3	0.5	1	0.4	0.5	0.2	0.3	0.6	0.4	0.3	0.7
	Yield	286	200	273	333	294	308	333	222	375	375	333	375	389
Bargarh (Baregarh)	Area	0.3	0.5	0.7	0.5	1.6	0.4	0.4	0.6	0.5	0.8	0.6	0.8	0.5
	Prod.	0.085	0.1	0.2	0.1	0.6	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.2
	Yield	283	200	286	200	375	250	250	333	200	250	333	375	400
Bhadrak	Area	0.078	0.3	0.083	1	0.2	0.2	0.05	0.1	0.1	1	0.3	0.8	0.5
	Prod.	0.011	0.065	0.02	0.4	0.136	0.024	0.016	0.039	0.042	0.3	0.065	0.5	0.2
	Yield	141	217	241	400	680	120	320	390	420	300	217	625	400
Boudh (Bauda)	Area	0.2	0.2	0.3	0.3	0.6	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.1
	Prod.	0.014	0.007	0.038	0.03	0.048	0.024	0.02	0.024	0.021	0.027	0.016	0.033	0.011
	Yield	70	35	127	100	80	120	100	120	105	90	80	165	110
Cuttack	Area	0.2	0.082	0.1	0.1	0.6	0.068	0.3	0.1	0.094	0.1	0.03	0.08	0.01
	Prod.	0.03	0.014	0.015	0.019	0.078	0.013	0.073	0.029	0.026	0.028	0.009	0.027	0.003
	Yield	150	171	150	190	130	191	243	290	277	280	300	338	300
Debagarh (Deogarh)	Area	0.3	0.1	0.3	0.3	0.8	0.4	0.4	0.4	0.3	0.2	0.2	0.3	0.3
	Prod.	0.052	0.021	0.06	0.06	0.164	0.093	0.08	0.078	0.07	0.04	0.043	0.078	0.059
	Yield	173	210	200	200	205	233	200	195	233	200	215	260	197

Odisha

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Dhenkanal	Area	0.2	0.044	0.3	0.082	0.4	0.088	0.1	0.2	0.2	0.1	0.1	0.095	
	Prod.	0.02	0.005	0.052	0.011	0.066	0.011	0.015	0.031	0.035	0.017	0.028	0.019	
	Yield	100	114	173	134	165	125	150	160	155	175	170	280	200
Gajapati	Area	0.6	0.2	0.2	0.075	0.19	0.052	0.051	0.081	0.051	0.048	0.052	0.045	
	Prod.	0.046	0.013	0.008	0.005	0.01	0.005	0.005	0.006	0.004	0.002	0.004	0.003	
	Yield	77	65	40	67	53	96	89	59	74	42	77	67	
Ganjam	Area	0.045	0.031	0.039	0.029	0.4	0.2	0.015	0.073	0.01	0.023	0.008	0.01	
	Prod.	0.003	0.001	0.004	0.003	0.03	0.018	0.002	0.007	0.001	0.002	0.001	0.001	
	Yield	67	32	103	103	75	90	133	96	100	87	125	154	100
Jagatsinghpur	Area	0.027	0.069	0.046	0.2	0.086	0.033	0.02	0.054	0.07	0.014	0.03	0.033	
	Prod.	0.003	0.006	0.007	0.025	0.014	0.004	0.005	0.008	0.009	0.018	0.003	0.011	
	Yield	111	87	152	125	163	121	250	148	129	90	214	333	
Jajpur	Area	0.2	0.094	0.085	0.2	0.8	0.3	0.4	0.3	0.2	0.2	0.2	0.2	
	Prod.	0.018	0.006	0.007	0.012	0.08	0.027	0.043	0.023	0.02	0.019	0.023	0.014	
	Yield	90	64	82	60	100	90	108	77	100	95	115	210	70
Jharsuguda	Area	0.3	0.2	0.3	0.6	0.6	0.4	0.4	0.3	0.4	0.5	0.2	0.2	
	Prod.	0.094	0.042	0.098	0.2	0.2	0.1	0.1	0.085	0.2	0.1	0.058	0.1	
	Yield	313	210	327	333	333	250	250	283	500	200	290	267	500
Kalahandi	Area	1.1	0.8	1.1	0.9	1.6	1	1	0.6	0.8	0.7	0.6	0.8	0.9
	Prod.	0.2	0.086	0.2	0.1	0.2	0.1	0.1	0.075	0.1	0.1	0.083	0.2	0.2
	Yield	182	108	182	111	125	100	100	125	125	143	138	250	222
Kandhamal	Area	3	2.8	3.4	2.9	6.4	3	2.7	2.8	2	2.2	1.7	1.3	
	Prod.	0.5	0.3	0.6	0.3	0.8	0.4	0.4	0.4	0.3	0.3	0.3	0.2	
	Yield	167	107	177	103	125	133	148	143	150	130	136	177	154

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Kendrapara	Area	0.1	0.1	0.2	0.061	0.4	0.068	0.1	0.2	0.1	0.2	0.1	0.1	
	Prod.	0.019	0.018	0.032	0.01	0.052	0.01	0.03	0.028	0.039	0.021	0.038	0.017	
	Yield	190	180	160	164	130	147	300	185	280	195	210	190	170
Kendujhar (Keonjhar)	Area	0.9	0.9	1	0.8	1.8	1	1.1	1.1	0.9	0.8	1.2	0.6	
	Prod.	0.1	0.087	0.2	0.1	0.4	0.1	0.2	0.098	0.2	0.2	0.4	0.2	
	Yield	111	97	200	125	222	100	182	163	273	222	250	333	333
Khordha	Area	0.053	0.013	0.026	0.026	0.074	0.062	0.031	0.064	0.1	0.06	0.015	0.048	0.1
	Prod.	0.008	0.002	0.003	0.005	0.01	0.005	0.002	0.007	0.012	0.006	0.003	0.011	0.02
	Yield	151	154	115	192	135	81	65	109	120	100	200	229	200
Koraput	Area	0.1	0.2	0.018	0.1	0.2	0.1	0.048	0.071	0.08	0.081	0.041	0.063	
	Prod.	0.02	0.023	0.004	0.018	0.046	0.027	0.013	0.01	0.011	0.019	0.007	0.016	
	Yield	200	115	222	180	230	270	271	141	138	235	171	254	
Malkangiri	Area	--	0.001	--	0.013	0.026	0.009	--	0.001	--	--	0.034	--	
	Prod.	--	--	--	0.001	0.002	0.001	--	--	--	--	0.003	--	
	Yield	--	--	--	77	77	111	--	--	--	--	88	--	
Mayurbhanj	Area	0.3	0.3	0.5	0.6	1	0.5	0.4	0.3	0.5	0.3	0.3	0.5	
	Prod.	0.045	0.044	0.086	0.1	0.2	0.1	0.1	0.079	0.1	0.09	0.1	0.2	
	Yield	150	147	172	167	200	200	250	263	200	200	300	333	400
Nabarangpur	Area	0.002	0.001	0.005	0.001	0.054	0.014	0.034	--	0.001	0.017	--	--	
	Prod.	--	--	--	--	0.008	0.001	0.004	--	--	0.002	--	--	
	Yield	--	--	--	--	148	71	118	--	--	118	--	--	
Nayagarh	Area	0.5	0.3	0.5	0.3	1	0.6	0.4	0.5	0.4	0.2	0.3	0.2	
	Prod.	0.061	0.036	0.083	0.033	0.116	0.064	0.046	0.051	0.061	0.017	0.047	0.029	
	Yield	122	120	166	110	116	107	115	102	153	115	85	157	145

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Nuapada	Area	0.028	0.007	0.037	0.017	0.112	0.087	0.052	0.068	0.037	0.096	0.039	0.043	0.065
	Prod.	0.002	--	0.002	0.001	0.004	0.004	0.004	0.004	0.002	0.008	0.003	0.003	0.004
	Yield	71	--	54	59	36	46	77	59	54	83	77	70	62
Puri	Area	0.064	0.06	0.049	0.089	0.2	0.041	0.018	0.037	0.042	0.099	0.013	0.034	0.054
	Prod.	0.004	0.005	0.004	0.011	0.016	0.003	0.002	0.003	0.005	0.018	0.002	0.006	0.008
	Yield	63	83	82	124	80	73	111	81	119	182	154	177	148
Rayagada	Area	1.5	1.4	1.2	1	2.2	0.9	1.2	0.8	0.7	1.4	0.6	1.3	1.3
	Prod.	0.2	0.1	0.2	0.2	0.4	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.3
	Yield	133	71	167	200	182	111	167	125	143	143	167	154	231
Sambalpur	Area	0.9	0.7	1.1	1.3	3.4	1.2	1.4	1.1	0.9	1	0.5	0.5	0.6
	Prod.	0.2	0.2	0.3	0.4	1.2	0.3	0.5	0.3	0.3	0.3	0.2	0.2	0.3
	Yield	222	286	273	308	353	250	357	273	333	300	400	400	500
Subarnapur (Sonepur)	Area	0.1	0.035	0.067	0.1	0.2	0.031	0.057	0.062	0.093	0.1	0.09	0.061	0.2
	Prod.	0.014	0.004	0.012	0.017	0.03	0.006	0.017	0.013	0.032	0.023	0.015	0.011	0.043
	Yield	140	114	179	170	158	194	298	210	344	230	167	180	215
Sundargarh	Area	1	0.7	1.1	1.3	1.4	0.7	1.1	1	0.9	0.8	0.7	1.4	1.1
	Prod.	0.2	0.1	0.3	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.2	0.5	0.4
	Yield	200	143	273	231	286	286	273	300	222	250	286	357	364

Punjab

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Amritsar	Area	0.3	2	2	2	1	2	1	1	1	--	1
	Prod.	0.3	2	2	2	1	2	1	2	1	--	1
	Yield	1000	1000	1000	1000	1000	1000	1000	2000	1000	--	1000
Bathinda	Area	0.7	13	9	9	7	2	3	2	2	--	2
	Prod.	0.9	12	11	8	8	3	4	3	3	--	2
	Yield	1286	923	1222	889	1143	1500	1333	1500	1500	--	1000
Faridkot	Area	0.1	1	1	1	1	--	--	--	--	--	--
	Prod.	0.2	1	2	1	1	--	--	--	--	--	--
	Yield	2000	1000	2000	1000	1000	--	--	--	--	--	--
Fatehgarh Sahib	Area	0.1	1	1	1	1	1	--	--	--	--	1
	Prod.	0.1	1	1	2	1	1	--	--	--	--	2
	Yield	1000	1000	1000	2000	1000	1000	--	--	--	--	2000
Firozpur	Area	1.1	16	12	15	13	4	4	5	5	--	1
	Prod.	1.4	14	17	16	13	5	7	9	9	--	1
	Yield	1273	875	1417	1067	1000	1250	1750	1800	1800	--	1000
Gurdaspur	Area	0.3	3	3	4	3	3	3	3	3	--	2
	Prod.	0.3	3	3	5	3	4	3	3	3	--	2
	Yield	1000	1000	1000	1250	1000	1333	1000	1000	1000	--	1000
Hoshiarpur	Area	0.3	3	3	4	3	3	3	5	6	--	3
	Prod.	0.3	3	2	4	3	3	3	6	8	--	4
	Yield	1000	1000	667	1000	1000	1000	1000	1200	1333	--	1333
Jalandhar	Area	0.2	2	1	2	1	1	1	1	1	--	1
	Prod.	0.3	2	1	2	2	1	1	1	1	--	2
	Yield	1500	1000	1000	1000	2000	1000	1000	1000	1000	--	2000

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Kapurthala	Area	0.1	1	1	1	1	1	1	1	1	--	1
	Prod.	0.1	1	1	2	2	1	1	1	1	--	1
	Yield	1000	1000	1000	2000	2000	1000	1000	1000	1000	--	1000
Ludhiana	Area	0.2	2	2	2	2	1	1	2	1	--	1
	Prod.	0.3	2	3	3	3	1	1	2	2	--	1
	Yield	1500	1000	1500	1500	1500	1000	1000	1000	2000	--	1000
Mansa	Area	0.4	7	5	5	4	2	2	2	2	--	1
	Prod.	0.9	5	6	5	4	2	3	3	3	--	2
	Yield	2250	714	1200	1000	1000	1000	1500	1500	1500	--	2000
Moga	Area	0.1	1	1	1	1	1	1	1	1	--	1
	Prod.	0.1	1	1	1	1	1	1	1	1	--	1
	Yield	1000	1000	1000	1000	1000	1000	1000	1000	1000	--	1000
Patiala	Area	0.2	2	2	2	2	1	1	--	1	--	1
	Prod.	0.2	2	2	2	2	1	1	--	1	--	2
	Yield	1000	1000	1000	1000	1000	1000	1000	--	1000	--	2000
Rupnagar	Area	0.1	2	2	3	2	2	2	1	2	--	2
	Prod.	0.1	1	2	2	2	1	2	1	2	--	2
	Yield	1000	500	1000	667	1000	1000	1000	1000	1000	--	1000
Sangrur	Area	0.3	3	2	3	3	2	1	2	1	--	2
	Prod.	0.4	3	2	4	3	3	1	2	1	--	3
	Yield	1333	1000	1000	1333	1000	1500	1000	1000	1000	--	1500
ShahidBhagat Singh Nagar	Area	0.2	2	2	2	1	2	1	2	1	--	2
	Prod.	0.2	2	2	2	1	2	1	2	1	--	3
	Yield	1000	1000	1000	1000	1000	1000	1000	1000	1000	--	1500
Sri Muktsar Sahib	Area	0.3	5	3	3	2	1	1	1	1	--	1
	Prod.	0.4	5	4	2	3	1	2	2	2	--	1
	Yield	1333	1000	1333	667	1500	1000	2000	1000	2000	--	1000

Rajasthan		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Ajmer	Area	20.7	1	8.7	--	56.5	22	13	21.7	2.9	24.8
	Prod.	10.6	0.3	5	--	24.3	16.5	12	13.9	1.6	38.6
	Yield	512	300	575	--	430	750	923	641	552	1557
Alwar	Area	217.7	192.4	220.3	--	290.3	257.2	234.5	269.9	251.4	252.7
	Prod.	276.6	145.8	336.9	--	305.4	356.7	285.8	448.1	393	426.1
	Yield	1271	758	1529	--	1052	1387	1219	1660	1563	1686
Banswara	Area	0.1	0.1	0.066	--	0.1	0.1	0.086	0.07	0.089	0.1
	Prod.	0.088	0.069	0.086	--	0.1	0.1	0.082	0.089	0.1	0.2
	Yield	880	690	1303	--	1000	1000	954	1271	1124	2000
Baran	Area	89.5	20.1	126	--	190.7	169	83.2	108.4	114.2	77.6
	Prod.	121.9	25.5	181.2	--	284.6	221.1	150.6	152.1	164.5	122.1
	Yield	1362	1269	1438	--	1492	1308	1810	1403	1441	1574
Barmer	Area	6.2	2.8	10.4	--	22.1	40.2	20.5	24.7	16.9	26
	Prod.	4.7	2.7	13.6	--	27.1	37.9	15.8	10.7	14.9	40.5
	Yield	758	964	1308	--	1226	943	771	433	882	1558
Bharatpur	Area	190	193.7	193.1	--	242	210.3	192.1	223.2	200.1	202.7
	Prod.	199.6	201.5	282	--	310.4	281.3	242.5	366.4	346.2	374.2
	Yield	1051	1040	1460	--	1283	1338	1262	1642	1730	1846
Bhilwara	Area	21.1	2.7	11	--	86.5	54	36	44	9.6	32.2
	Prod.	20.6	2.4	14.3	--	81.6	50.8	31.2	39.8	7.5	41.2
	Yield	976	889	1300	--	943	941	867	905	781	1280
Bikaner	Area	27.9	64	26.1	--	57.6	90.2	42.1	42.3	30.3	42.2
	Prod.	19.6	34.8	29.4	--	68.2	82.2	24	35.1	19.7	55.1
	Yield	703	544	1126	--	1184	911	570	830	650	1306
Bundi	Area	46.6	13.1	55	--	127.4	104.7	62.7	84.3	63.7	41.7
	Prod.	53.2	8.9	66.5	--	191.8	129.5	64.2	85.4	70.7	48.7
	Yield	1142	679	1209	--	1506	1237	1024	1013	1110	1168

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Chittorgarh	Area	29.2	6.7	17.9	--	116.1	94.3	81.9	81	39.4	53.1
	Prod.	23	6.5	26.9	--	221.2	144.6	101.6	92.5	48.2	71.5
	Yield	788	970	1503	--	1905	1533	1241	1142	1223	1347
Churu	Area	20.2	22.7	20.2	--	22.7	32.4	19.6	17.3	14.5	20.7
	Prod.	21.4	8.3	23	--	7.9	23	7.4	14.7	19.5	32.3
	Yield	1059	366	1139	--	348	710	378	850	1345	1560
Dausa	Area	54.9	37	56.2	--	109.8	85.2	76.2	85.9	78.7	71.2
	Prod.	40.5	40.3	71.6	--	123.6	102.9	82.5	118.2	103.6	117.6
	Yield	738	1089	1274	--	1126	1208	1083	1376	1316	1652
Dholpur	Area	67.6	62.4	73.2	--	77.6	67	50.9	69.8	65.9	60.8
	Prod.	92.6	72	85.7	--	106.2	103.4	62	104.3	95.3	108.8
	Yield	1370	1154	1171	--	1369	1543	1218	1494	1446	1790
Dungapur	Area	0.079	0.084	0.3	--	0.5	0.8	0.6	0.2	0.5	0.9
	Prod.	0.079	0.06	0.4	--	0.6	0.9	0.6	0.1	0.7	1.4
	Yield	1000	714	1333	--	1200	1125	1000	500	1400	1556
Ganganagar	Area	230.2	235.1	259.7	--	297.1	298.7	263.8	231.1	212.7	281.4
	Prod.	295.1	256.2	404	--	427.2	407.5	150.2	368.3	313.4	565.3
	Yield	1282	1090	1556	--	1438	1364	569	1594	1473	2009
Hanumanagarh	Area	72.4	323.4	109	--	142	139.8	93.8	90.3	89.9	108.1
	Prod.	87.9	199.5	104.5	--	154	169.1	64.2	141.9	153.7	222.1
	Yield	1214	617	959	--	1085	1210	684	1571	1710	2055
Jaipur	Area	70.2	37.8	69.7	--	221.3	118.5	117.3	137.9	99.2	130.1
	Prod.	41.3	20.6	61.5	--	213.1	116.9	61.6	167	101.9	170
	Yield	588	545	882	--	963	987	525	1211	1027	1307
Jaisalmer	Area	27.7	13	30.1	--	96.3	105.1	64	76.8	34.7	69.3
	Prod.	22.1	9.7	27.6	--	101.1	58.6	19.6	47.6	22.1	54.2
	Yield	798	746	917	--	1050	558	306	620	637	782

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Jalore	Area	32	23.7	70	--	93.9	126.8	87.6	85.6	62.6	105.5
	Prod.	27.3	23.1	79.1	--	114.2	160.2	89.6	72.1	80.9	145.6
	Yield	853	975	1130	--	1216	1263	1023	842	1292	1380
Jhalawar	Area	20.1	3.8	22.5	--	76.2	72.4	27.7	38	39.4	32.6
	Prod.	15.1	3.4	33.9	--	132.2	84.3	35.6	52.4	54.3	38.5
	Yield	751	895	1507	--	1735	1164	1285	1379	1378	1181
Jhunjhunu	Area	78.3	63.7	94	--	113.1	112.2	75.3	83.5	78.4	93.4
	Prod.	87.1	72.3	123.3	--	118.6	149.2	54.1	119	102	126.2
	Yield	1112	1135	1312	--	1049	1330	719	1425	1301	1351
Jodhpur	Area	41.9	30.7	49	--	91.2	86.3	85.2	91.8	74.2	78.5
	Prod.	43.7	34	58.5	--	111.6	98.6	79.2	99.2	94.4	85.5
	Yield	1043	1108	1194	--	1224	1143	930	1081	1272	1089
Karauli	Area	52.5	28.1	49.6	--	105.6	90	81.2	88.4	75.3	74.1
	Prod.	64.4	25	80.9	--	129.5	112.9	102.1	123.3	104.6	124.8
	Yield	1227	890	1631	--	1226	1254	1257	1395	1389	1684
Kota	Area	50.4	25.9	82.7	--	136.4	135.3	73.3	90.8	86.1	55.6
	Prod.	61.7	30.6	146.4	--	201.9	199.6	133.9	143	126.6	92.7
	Yield	1224	1182	1770	--	1480	1475	1827	1575	1470	1667
Nagaur	Area	53.9	43.5	96.9	--	172.5	104.2	88.9	81.5	46.5	52.9
	Prod.	52.2	45.8	110.6	--	206.4	119.3	68.8	94.5	57.7	71.6
	Yield	969	1053	1141	--	1197	1145	774	1160	1241	1354
Pali	Area	42.4	4.4	30.7	--	50	71.3	64.5	39.3	10.5	44
	Prod.	36	2.8	28.6	--	30.3	71.5	65.6	25.6	9.8	34.7
	Yield	849	636	932	--	606	1003	1017	651	933	789
Rajsamand	Area	2.5	0.1	0.8	--	6.7	4.9	3.7	2.4	1	4
	Prod.	2.6	0.1	1.1	--	7.2	4.4	4	1.4	0.7	6.2
	Yield	1040	1000	1375	--	1075	898	1081	583	700	1550

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
SawaiMadhopur	Area	120.5	25	123.4	--	217.1	181.2	138.9	173.9	158.4	151.7
	Prod.	104.3	14.4	138	--	272.7	187.9	124.8	181	175.7	221.2
	Yield	866	576	1118	--	1256	1037	899	1041	1109	1458
Sikar	Area	32.9	23.6	37.7	--	97.8	97.4	74.3	70.1	59.7	74.7
	Prod.	37.3	15.9	42	--	87.9	108.9	38.6	87.9	74.2	96.9
	Yield	1134	674	1114	--	899	1118	520	1254	1243	1297
Sirohi	Area	13.8	3.2	21.2	--	29	38.5	23.5	19.7	7.7	22.9
	Prod.	11.5	2.7	22	--	30.4	40.1	27.9	15.8	6.9	35.8
	Yield	833	844	1038	--	1048	1042	1187	802	896	1563
Tonk	Area	101.5	12.6	91.3	--	296.9	180.8	162.8	240.4	173.7	181.3
	Prod.	62.9	11.4	87.8	--	298.3	146.7	132.7	221.3	133.5	277.7
	Yield	620	905	962	--	1005	811	815	921	769	1532
Udaipur	Area	5.7	1.6	6	--	22.7	20.8	18.8	15.5	8.6	17.5
	Prod.	6.1	1.6	7.8	--	27.2	19	19	12.7	7.7	27.4
	Yield	1070	1000	1300	--	1198	914	1011	819	895	1566

Sikkim

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
East Sikkim	Area	2.3	1.3	1.9	1.9	1.9	1.9	1.3	1.6	1.8	1.8	1.9	1.6
	Prod.	1.6	1.1	1	1.3	1.4	1.4	0.9	1.4	1.6	1.5	1.5	1.3
	Yield	696	846	526	684	737	737	692	875	889	833	790	813
North Sikkim	Area	0.6	0.6	0.9	0.9	0.9	0.6	0.2	0.4	0.4	0.5	0.5	0.3
	Prod.	0.2	0.2	0.8	0.6	0.6	0.4	0.1	0.4	0.3	0.3	0.4	0.2
	Yield	333	333	889	667	667	667	500	1000	750	600	800	667
South Sikkim	Area	1.5	1.5	1.7	1.7	1.7	1.3	1.3	1.7	1.8	1.5	1.5	1.4
	Prod.	1	1	1.2	1.2	1.4	1.1	1	1.3	1.5	1.2	1.2	1.1
	Yield	667	667	706	706	824	846	769	765	833	800	800	786
West Sikkim	Area	1.5	1.5	1.6	1.6	1.6	1.5	0.5	1.6	1.8	1.6	1.6	1.1
	Prod.	1	1	1.1	1.1	1.2	1.1	0.3	1.3	1.3	1.1	1.3	0.9
	Yield	667	667	688	688	750	733	600	813	722	688	813	818

Telangana

District		2013-14	2014-15
Adilabad	Area	0.006	0.70
	Prod.	0.004	1.22
	Yield	668	1758
Karimnagar	Area	0.638	1.12
	Prod.	0.426	2.27
	Yield	668	2028
Khammam	Area	--	--
	Prod.	--	--
	Yield	--	--
Mahabubnagar	Area	--	--
	Prod.	--	--
	Yield	--	--
Medak	Area	--	--
	Prod.	--	--
	Yield	--	--
Nalgonda	Area	--	--
	Prod.	--	--
	Yield	--	--
Nizamabad	Area	0.194	0.44
	Prod.	0.21	0.47
	Yield	1081	1069
Ranga Reddy	Area	--	--
	Prod.	--	--
	Yield	--	--
Warangal	Area	--	--
	Prod.	--	--
	Yield	--	--

Uttar Pradesh

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Agra	Area	79.6	76.3	77.7	88.2	77.7	71.1	78.9	66.5	59.2	51.5	53.2	57.4	53.1
	Prod.	105	90.7	108.2	108.6	112.1	89.4	110.7	104.4	85.1	90.4	91.1	109.3	76.1
	Yield	1319	1189	1393	1231	1443	1257	1403	1570	1438	1755	1712	1904	1433
Aligarh	Area	16.5	21.9	17.3	24.8	18.3	24.8	20	24.6	21.6	18.9	21.4	20.5	21.6
	Prod.	20.3	22.6	20.7	33.3	23.1	27.4	25.2	33.9	30.5	27.7	29.3	40.8	31.5
	Yield	1230	1032	1197	1343	1262	1105	1260	1378	1412	1466	1369	1990	1458
Allahabad	Area	1.2	--	1.3	1	1.3	0.7	0.8	1	1.1	1.1	1	1.2	1.2
	Prod.	1.1	--	0.8	0.7	1.1	0.4	0.6	0.9	1	1	1	1.2	1
	Yield	917	--	615	700	846	571	750	900	909	909	1000	1000	833
Ambedkar Nagar	Area	2.7	2.8	2.9	3.2	3.3	3.3	3.3	3.7	3.7	3.7	3.8	4	4.1
	Prod.	2.4	2.3	2	2.6	3.9	4.2	3.8	2.5	2.9	3.9	2.5	3	1.9
	Yield	889	821	690	813	1182	1273	1152	676	784	1054	658	750	463
Amethi	Area	--	--	--	--	--	--	--	--	--	2.9	2.7	3	3.1
	Prod.	--	--	--	--	--	--	--	--	--	2.7	1.8	2.2	1.5
	Yield	--	--	--	--	--	--	--	--	--	931	667	733	484
Amroha (JyotibaPhule Nagar)	Area	2.3	2.1	1.7	2	2.1	2	2.5	3.5	3	2.8	2.8	3.5	3
	Prod.	2.5	1.9	1.2	2.5	2.1	1.8	2.4	3.3	2.8	3	3	4.9	3.6
	Yield	1087	905	706	1250	1000	900	960	943	933	1071	1071	1400	1200
Auraiya	Area	12.7	12.1	14.2	15.7	14.9	16.7	12.2	17.6	14.8	14.7	14	13.5	15.6
	Prod.	15.3	14.3	15.8	16.1	17.5	17.4	17.8	27	20	23.2	20.3	19.6	16.6
	Yield	1205	1182	1113	1026	1175	1042	1459	1534	1351	1578	1450	1452	1064
Azamgarh	Area	1	1	1.2	1.2	1.2	0.9	1.3	1.7	1.7	1.9	2.1	2.3	2.2
	Prod.	1	0.9	1.2	1.2	1.4	0.9	1.5	2	1.8	2.3	2.3	2.9	2.2
	Yield	1000	900	1000	1000	1167	1000	1154	1177	1059	1211	1095	1261	1000

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bagpat	Area	1	1	1.4	1	0.9	1.3	1.3	1.5	1.5	1.6	1.7	2
	Prod.	1.2	1	1.8	1.3	0.9	1.7	1.4	1.9	1.9	1.8	2.2	3
	Yield	1200	1000	900	1286	1300	1000	1308	1077	1267	1267	1294	1500
Bahraich	Area	7.8	7.9	6.8	7.1	7.3	7.4	7.5	7.3	7.6	7.4	6.6	7.2
	Prod.	5.2	4.3	4.7	4.5	6.8	6.2	6.9	6.4	5.4	5.6	5.2	4.6
	Yield	667	544	691	634	932	849	932	853	740	763	757	639
Ballia	Area	0.9	0.8	0.9	0.9	0.9	1	0.9	0.9	0.8	0.9	0.9	0.9
	Prod.	0.9	0.7	0.9	0.9	1	1.1	1	1	1	1	1.1	0.9
	Yield	1000	875	1000	1000	1111	1111	1100	1111	1111	1250	1111	1222
Balrampur	Area	16.9	14.4	16.8	17.4	16.2	22.5	16.6	17.5	17.6	18.2	18.9	17.4
	Prod.	10.7	8.5	10.5	12.7	15.6	16.3	19	10.6	11.4	14.5	15.4	15.1
	Yield	633	590	625	730	963	970	844	639	651	824	736	868
Banda	Area	1.8	1.8	1.7	1.8	1.7	1.1	3.5	1.8	2	2	2.7	3.4
	Prod.	0.9	0.8	1	0.7	0.8	0.7	0.3	2.4	1	1	1.6	0.9
	Yield	500	444	588	389	471	389	273	686	556	550	593	265
Barabanki	Area	9.8	8.6	9.2	8.7	11	11.5	11.1	14.3	15.4	14.5	23.3	23.4
	Prod.	8.5	7	7.3	7	12.7	11.8	13.3	7.6	11.2	9.5	17.2	10.5
	Yield	867	814	794	805	1155	1255	1157	685	783	1039	738	449
Bareilly	Area	10.4	13.3	9.4	14.1	9.4	16	15.9	18.9	16.2	14.1	16.3	14.7
	Prod.	8.6	8.9	7	10.6	7.6	12.8	13.5	15.2	13.7	12.7	16	11.2
	Yield	827	669	745	752	809	800	849	804	846	901	828	762
Basti	Area	2.8	2.9	2.8	2.8	1.5	2	2.4	2.5	2.3	2.5	2.4	2.5
	Prod.	2.3	1.8	1.6	2.8	1.7	2.1	2.8	2.9	2.8	2.9	3.1	2.5
	Yield	821	621	571	1000	1133	1050	1167	1160	1120	1217	1160	1292
Bijnor	Area	1.5	1.7	2	2.6	1.7	2.4	2	2.4	2.8	2	2	4.7
	Prod.	1.7	1.5	1.9	3.3	2.1	2.5	2.3	2.1	2.6	2.3	2.8	6
	Yield	1133	882	950	1269	1235	1042	1150	1050	1083	1143	1400	1277

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Budaun	Area	13.4	16.9	13.4	18.3	20.7	17.4	31.6	29.3	26.5	29.3	38.5	35.6	
	Prod.	12	16.1	14.7	19.7	27.9	20.2	37.4	36.8	34.7	39.9	56.7	45.8	
	Yield	896	953	1097	1077	1348	1161	1184	987	1423	1309	1362	1473	1287
Bulandshahr	Area	6.7	7.5	7.6	8.5	6.4	7.7	9	7.8	7.8	8.4	8	9.6	
	Prod.	7.1	7.8	7.2	10.3	7.2	7.3	11.8	9.7	9.3	9.8	10.5	14.4	
	Yield	1060	1040	947	1212	1125	948	1311	1078	1256	1192	1167	1313	1500
Chandauli	Area	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.3	
	Prod.	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.3	0.3	
	Yield	1000	1000	1000	1000	1000	1000	1000	1333	1000	1250	1500	1000	1000
Chitrakoot	Area	1.9	2.2	2.2	2.6	2.4	3.8	2	2.2	2	2.1	2.9	3.7	
	Prod.	1.1	1.3	1.3	0.9	0.8	0.9	0.2	0.9	1.3	1	1.5	1.2	
	Yield	579	591	591	346	333	237	100	450	591	500	714	517	324
Deoria	Area	2	1.6	1.8	1.6	0.7	1.6	1.8	1.8	1.7	1.7	1.9	1.6	
	Prod.	1.3	0.9	1.5	1.1	0.5	1	1.3	1.1	1.3	1.4	1.2	1.1	
	Yield	650	563	833	688	714	625	722	611	765	824	706	632	688
Etah	Area	13.4	14.2	12.1	15.6	19.4	12.3	19.5	23.7	10.2	10	12.1	10.8	12.2
	Prod.	15.8	14.2	14.1	19.6	28.5	13.2	27.6	36.9	17.7	15.2	20	20.6	20.2
	Yield	1179	1000	1165	1256	1469	1073	1415	1557	1735	1520	1653	1907	1656
Etawah	Area	15.8	13	14.1	17	12.9	16.2	13.8	15	15.2	11.9	16.1	15.3	
	Prod.	17.4	13	18.1	20.3	19.3	20.7	19.1	21.2	21.8	19.8	24.3	28.6	20.2
	Yield	1101	1000	1284	1194	1496	1278	1384	1413	1434	1664	1599	1776	1320
Faizabad	Area	3.4	3.3	2.4	2.6	1.9	2.6	3.4	3.7	3.9	3.7	3.6	4	3.9
	Prod.	2.9	2.7	1.9	2.1	2.3	3.2	3.9	2.5	3	3.9	2.4	2.9	1.8
	Yield	853	818	792	808	1211	1231	1147	676	769	1054	667	725	462
Farrukhabad	Area	9	8.2	7.5	7.6	9.2	8.2	6.9	6.7	6.1	7.5	6.7	6.8	7
	Prod.	11.9	7.7	7.9	10	12.2	10.7	10.2	9.9	7.8	11.2	9	8.3	9.6
	Yield	1322	939	1053	1316	1326	1305	1478	1478	1279	1493	1343	1221	1371

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Fatehpur	Area	12.2	13.1	13	13.6	13	14.9	15.1	15.9	15	15	15.6	15.7
	Prod.	11.5	9.5	8.1	10.2	10.8	12.4	13.5	14.7	14.1	14.2	16	11.1
	Yield	943	725	623	750	831	632	894	925	940	947	1026	707
Firozabad	Area	13.4	10.4	10.9	15.9	9.1	10.4	10	11.4	9.2	8.9	10.1	10.8
	Prod.	15.3	10.8	12.4	19.6	12.4	13.3	15.3	16.4	13.3	12.8	16.8	16
	Yield	1142	1039	1138	1233	1363	1279	1554	1439	1446	1438	1663	1482
GautamBuddh Nagar	Area	1.5	1.5	1.1	1.2	1.4	0.8	1.1	1.2	0.7	0.8	0.5	0.6
	Prod.	2.6	1.4	1	1.5	1.7	0.8	1.5	1.5	0.8	0.9	0.7	0.9
	Yield	1733	933	909	1250	1214	1000	1364	1111	1250	1143	1400	1500
Ghaziabad	Area	2.1	2	2.1	2.4	3.6	2.2	2.6	2	2.5	3	1.4	1.3
	Prod.	2.5	2.1	1.8	3.1	4.4	2.2	3.5	2.2	3.3	3.5	1.9	1.9
	Yield	1191	1050	857	1292	1222	1000	1346	1100	1320	1167	1357	1462
Ghaziipur	Area	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
	Prod.	0.5	0.3	0.4	0.4	0.6	0.4	0.5	0.5	0.5	0.6	0.6	0.4
	Yield	1000	750	1000	1000	1200	1000	1000	1250	1250	1250	1500	1000
Gonda	Area	7.2	7.6	8	6.9	11.4	7.3	7.9	7	7.1	7.4	7.6	7.5
	Prod.	4.4	5.1	5.7	4.5	10.7	6.7	7	5	6.8	6.7	5.4	3.9
	Yield	611	671	713	652	939	918	886	714	958	905	711	956
Gorakhpur	Area	3	3	3.3	3.2	3.2	3.1	3.1	3.1	3.5	3.1	0.5	3.8
	Prod.	2	1.8	2.7	2.2	2	2.3	2.2	1.9	2.6	2.2	0.4	2.7
	Yield	667	600	818	688	625	622	710	613	743	771	710	800
Hamirpur	Area	3.7	3.7	3.6	6.7	3.6	4.1	7	7.1	9.5	11.3	13	14.1
	Prod.	2.3	1.9	2.6	4.7	2.4	1.7	5.2	4.7	6.4	8.9	10.9	7.1
	Yield	622	514	722	702	667	434	415	743	662	674	788	504
Hapur (Panchsheel Nagar)	Area	--	--	--	--	--	--	--	--	--	--	1.9	2
	Prod.	--	--	--	--	--	--	--	--	--	--	2.5	2.9
	Yield	--	--	--	--	--	--	--	--	--	--	1316	1450

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Hardoi	Area	12.9	13.5	13.2	12.6	13.7	12.4	10.8	12.8	13.1	13.4	13.5	13.4
	Prod.	10.7	10.1	10.9	9.1	11.1	9.6	11.3	12.3	12.8	12.2	12.6	12.8
	Yield	830	748	826	722	810	774	1046	961	977	910	933	941
Hathras (Mahamaya Nagar)	Area	13.1	13.4	11.5	14	11.8	14	13.9	11.2	9.3	8.7	9.3	10.5
	Prod.	17.8	12.8	14.6	16.6	15.8	15.2	14.2	9.5	9.4	12.2	12.4	13.3
	Yield	1359	955	1270	1186	1339	1086	1022	848	1011	1402	1333	1494
Jalaun	Area	8.4	7.3	7.2	9.5	7.1	15.7	6.2	10.5	10.7	10.2	10.8	9.7
	Prod.	7	4.2	6	7.4	5.4	6.9	2.3	9	9.1	7	8	8.6
	Yield	833	575	833	779	761	440	371	857	851	686	741	887
Jaunpur	Area	2.1	1.9	2	2	2	2	2	2.6	2.7	2.7	3.3	0.4
	Prod.	2.2	1.7	2	2	2.4	2.1	2.4	2.9	3	3.2	4.5	0.4
	Yield	1048	895	1000	1000	1200	1050	1200	1115	1111	1185	1364	1000
Jhansi	Area	3.5	2.4	2.3	7.1	1.1	6.5	4.8	12.5	11.8	12.4	14.7	7.8
	Prod.	2.8	1.5	1.4	5.3	0.7	3.9	3	11.1	8.7	6.6	10.9	6.4
	Yield	800	625	609	747	636	600	625	888	737	532	742	821
Kannauij	Area	11.9	10.2	10.1	9.8	11.3	9.8	9.6	10.6	8.3	8.1	8.4	8
	Prod.	13.8	11.5	10.5	10.5	15.7	12	12.3	14.9	11	10.9	11.1	11.3
	Yield	1160	1128	1040	1071	1389	1225	1281	1406	1325	1346	1321	1413
Kanpur Dehat (Ramabai Nagar)	Area	--	--	22.5	23.6	23.6	27.5	22.3	22.8	22.7	22.7	22.9	23.2
	Prod.	--	--	31.7	29.3	31.8	26.7	31.5	29.5	23.6	31.9	30.2	32.6
	Yield	--	--	1409	1242	1348	971	1413	1294	1040	1405	1319	1405
Kanpur Nagar	Area	40.8	38	12.9	16.1	17.3	13.5	13.9	14.5	14.3	13.6	15.4	14.9
	Prod.	47.2	40	10.8	13.6	18.1	12	11.1	14	15	17.1	17.9	19.8
	Yield	1157	1053	837	845	1046	889	799	966	1049	1257	1162	1329
Kasganj (Kanshi Ram Nagar)	Area	--	--	--	--	--	--	--	--	10.3	8.4	8.1	9.7
	Prod.	--	--	--	--	--	--	--	--	16.9	15	16	15
	Yield	--	--	--	--	--	--	--	--	1641	1537	1786	1975

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kaushambi	Area	1.2	1.2	1.4	1.5	1.3	1.9	1.9	1.5	1.7	2.1	1.6	1.8
	Prod.	1.2	0.9	0.7	1	1.3	0.8	1.5	1.4	1.6	1.9	1.6	1.5
	Yield	1000	750	583	714	867	615	790	895	933	941	905	1000	833
Kushinagar	Area	9.7	8.8	9.4	9.9	9.5	10.4	9.6	9.6	9.8	9.8	10.2	9.5
	Prod.	6.4	5.8	7.5	7.5	6.7	7.5	7.4	6	7.4	7.5	8	6.6
	Yield	660	659	798	758	705	721	771	619	771	765	929	784	695
LakhimpurKheri	Area	31.9	29.9	30.3	29.7	32.5	31.8	40.7	32.6	30.7	32.3	32.3	28.3
	Prod.	22.2	17.3	20.3	17.8	26	24.4	28.2	25.4	28.3	26.5	27.2	21.1
	Yield	696	579	670	599	800	822	887	779	922	820	842	746
Lalitpur	Area	0.4	0.3	0.7	2.9	0.9	0.8	4.3	7	8.6	7.2	5.9	5.6
	Prod.	0.4	0.2	0.5	2.2	0.5	1.6	0.3	4.6	5.1	4.5	4.3	2.3
	Yield	1000	667	714	759	556	552	375	861	593	625	729	411
Lucknow	Area	3.3	2.9	3	2.9	2.8	3.4	1.7	3.1	3.4	3.4	3.5	4.6
	Prod.	1.9	2	1.9	2.1	2.2	2.7	1.6	2.8	3.2	2.8	3.6	2.4
	Yield	576	690	633	724	786	794	941	903	844	941	824	1029	522
Maharajganj	Area	5.2	4.5	4.5	4.9	3.3	5.3	4.3	3.5	3.2	3.5	3.1	3.5
	Prod.	3.5	2.4	4.2	2.7	1.4	2.3	2.5	2.2	2.7	2.5	2.1	2.5
	Yield	673	533	933	551	424	434	581	629	771	781	714	677	714
Mahoba	Area	3	2.7	2.1	3.2	1.8	3.1	3	2.7	4.2	6.1	5.6	6.9
	Prod.	1.1	0.9	1	1.3	0.6	1.2	0.9	1.8	1.7	2.9	2.5	1.5
	Yield	367	333	476	406	333	387	300	667	405	558	426	446	217
Mainpuri	Area	8.4	8.8	8.9	8	8.9	8.6	9.9	8.6	9.7	7.1	9.2	7.2
	Prod.	10	10.1	9.4	9.6	11	10.8	15.8	13.5	15.1	10.8	13.9	11.5
	Yield	1191	1148	1056	1200	1236	1256	1596	1570	1557	1521	1511	1671	1597
Mathura	Area	33.3	44.3	36.9	49.1	41.8	49.1	52.7	43.9	42.6	45.4	48.6	43.3
	Prod.	46.6	51.9	50.8	58.7	66	81.2	87	78.8	69.1	77.2	83.7	65.8
	Yield	1399	1172	1377	1196	1579	1654	1651	1795	1622	1700	1722	1520

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mau	Area	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
	Prod.	0.1	0.095	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
	Yield	1000	950	1000	1000	1000	1000	1000	2000	2000	2000	1000	1000
Meerut	Area	2.7	2.6	2.8	3.7	3.2	3.7	3.7	4.1	4.1	3.9	4.8	4.9
	Prod.	3.2	2.7	2.4	4.8	3.9	4.5	4.9	5.4	4.9	4.5	6.3	7.3
	Yield	1185	1039	857	1297	1219	978	1324	1108	1317	1195	1313	1490
Mirzapur	Area	3.5	3.4	3.4	2.4	2.9	2.9	2.5	2.6	2.5	2.5	2.4	2.7
	Prod.	1.7	1.9	2.1	1.7	1.3	1.4	1.3	1.5	1.7	1.4	1.5	2.2
	Yield	486	559	618	708	448	560	448	600	654	560	600	815
Moradabad	Area	8.6	7.7	6.9	8	7.1	6.3	10.2	6.3	8.5	10.4	2.8	2.2
	Prod.	8.7	6.9	6.7	8	8.9	6.9	12.4	7.1	9.7	11.9	3.5	2.5
	Yield	1012	896	971	1000	1254	1095	1216	1077	1127	1141	1250	1136
Muzaffarnagar	Area	2.4	2.3	2.5	3.4	3.4	3.4	2.8	3	4	5.5	3.7	4.6
	Prod.	2.5	2.1	2.5	3.4	3.9	3.5	3.2	3.3	4.1	4.8	4.1	4.1
	Yield	1042	913	1000	1000	1147	1029	1143	1100	1139	1200	1018	1108
Pilibhit	Area	6.7	6.3	5.9	7.5	7.5	6.6	9.6	9.6	8	9.7	10.9	9.5
	Prod.	5.1	3.3	3.9	4.6	5.2	5.3	7.5	8.5	6.3	7.7	8.2	8.3
	Yield	761	524	661	613	693	803	781	885	788	794	1111	874
Pratapgarh	Area	1.7	1.6	1.4	1.7	1.5	1.7	1.4	2.1	2.3	2.2	1.9	2.2
	Prod.	1.6	1.2	0.9	1.2	1.2	1.1	1.2	1.9	2.1	2.1	2	1.8
	Yield	941	750	643	706	800	647	857	905	913	955	1000	818
Raebareli	Area	7.9	7.3	6.9	10.1	7.4	10.2	8.4	8.5	8.1	6.5	6.7	7.1
	Prod.	5.8	5.8	5.1	9.3	4.8	7.4	10.4	7.9	6	4.9	6.8	5.4
	Yield	734	795	739	921	649	726	1238	929	741	754	1030	761
Rampur	Area	3.9	2.9	3	3.6	1.9	3.4	4.4	4.8	4.1	4.3	4.3	3.5
	Prod.	4.8	2.1	3.3	4.6	2.2	3.3	4.2	5	4.4	3.8	4.9	4
	Yield	1231	724	1100	1278	1158	971	955	1042	1073	1118	1233	1143

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Saharanpur	Area	1	0.9	1	1	1.5	1.3	1.1	1.1	1.3	1.2	1.2	0.9
	Prod.	1	0.8	1	1.6	1.5	1.6	1.2	1.3	1.5	1.2	1.3	0.8
	Yield	1000	889	1000	1000	1100	1000	1231	1091	1182	1154	1000	1083	889
Sambhal (Bheem Nagar)	Area	--	--	--	--	--	--	--	--	--	--	13.6	11.6
	Prod.	--	--	--	--	--	--	--	--	--	--	20.1	15.6
	Yield	--	--	--	--	--	--	--	--	--	--	1478	1345
SantKabir Nagar	Area	2.2	2	2.2	2.2	2.1	2.3	2.3	2.1	2.3	2.2	2.2	2.9
	Prod.	1.8	1.2	1.3	2.2	2.3	2.2	2.7	2.3	2.7	2.5	2.8	2.9
	Yield	818	600	591	1000	1211	1048	1174	1130	1095	1174	1136	1273	1000
SantRavidas Nagar	Area	0.2	0.099	0.092	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
	Prod.	0.081	0.046	0.046	0.059	0.05	0.2	0.056	0.06	0.074	0.086	0.081	0.096
	Yield	405	465	500	590	500	667	560	600	740	430	405	405	960
Shahjahanpur	Area	10.2	9.9	7.2	7	7.7	6	14.2	14.5	14.7	16.1	15.9	12.5
	Prod.	8.6	7.5	4.9	4.7	7.4	5.7	10	12.3	12.5	13.5	15.4	9.7
	Yield	843	758	681	671	961	929	950	704	848	850	969	776
Shamli	Area	--	--	--	--	--	--	--	--	--	--	0.8	1.2
	Prod.	--	--	--	--	--	--	--	--	--	--	0.9	1.1
	Yield	--	--	--	--	--	--	--	--	--	--	1125	917
Shravasti	Area	3	3	2.9	2.7	2.3	2.4	2	2.1	2.6	2.7	2.8	2.9
	Prod.	2	1.8	1.8	1.7	1.8	1.8	1.4	1.5	1.6	0.9	1.6	2.1
	Yield	667	600	621	630	783	889	750	700	714	615	333	571	724
Siddharthnagar	Area	7.3	6.3	4.5	4.7	3.2	4.7	3.8	3.4	3.4	3.3	3	3.2
	Prod.	5.9	3.9	2.5	4.6	3.7	4.9	5.4	3.7	4.1	3.7	3.8	3.3
	Yield	808	619	556	979	1156	1043	1149	1132	1088	1206	1121	1267	1031
Sitapur	Area	16.3	14.6	15	14.7	8.3	24.9	20.9	16.2	19.8	24.4	26.8	23.5
	Prod.	10.7	8.9	9.4	9.6	5.8	13.1	22.7	13.3	18.8	17.6	23.8	16.5
	Yield	656	610	627	653	699	891	912	785	821	950	888	702

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sonbhadra	Area	4.1	3.9	3.7	2.9	3.6	2.3	2.7	2.9	3.1	3.2	3.6	3.6
	Prod.	1.2	1.5	1.4	1	1.6	1	1.5	1.7	1.8	1.4	1.8	2.1
	Yield	293	385	378	345	444	529	435	556	581	438	500	583
Sultanpur	Area	3.7	3.8	3.9	3.8	5	4	4	3.8	2.8	2.7	2.7	2.9
	Prod.	3.2	3.1	3	3.1	5.8	5.1	4.6	2.7	2.9	1.8	2	1.4
	Yield	865	816	769	816	1160	1275	1150	675	763	1036	667	741	483
Unnao	Area	12.8	12.4	12.7	13.7	13.5	13.7	15.9	14.5	13.4	14.5	13	15.8
	Prod.	11.8	8.6	8.7	10.4	12.9	8.9	12.8	14.9	15.1	13.9	13.8	12.8
	Yield	922	694	685	759	956	695	934	937	1041	959	1062	810
Varanasi	Area	0.5	0.5	0.5	0.6	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.8
	Prod.	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.9	0.9	1	0.9	0.8
	Yield	1000	1000	1000	1000	1200	1000	1167	1000	1125	1250	1286	1000

Uttarakhand		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
District	Area	0.3	0.4	0.5	0.5	0.4	0.4	0.8	0.4	0.8	0.5	0.5	0.7	0.6
	Prod.	0.1	0.1	0.2	0.2	0.2	0.1	0.3	0.096	0.5	0.3	0.3	0.3	0.4
	Yield	333	250	400	400	500	250	375	240	625	600	600	429	667
Bageshwar	Area	0.08	0.099	0.2	0.061	0.1	0.4	0.2	0.1	0.096	0.062	0.078	0.1	0.1
	Prod.	0.042	0.048	0.1	0.031	0.073	0.091	0.077	0.032	0.05	0.02	0.026	0.044	0.045
	Yield	525	485	500	508	730	228	385	320	521	323	333	440	450
Chamoli	Area	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.6	0.4	0.4
	Prod.	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2
	Yield	500	400	500	400	400	600	600	400	400	429	500	500	500
Champawat	Area	0.4	0.4	0.5	0.5	0.5	0.9	0.4	0.5	0.4	0.5	0.8	0.7	0.5
	Prod.	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.3	0.4	0.7	0.7	0.5
	Yield	500	500	600	600	600	222	500	200	750	800	875	1000	1000
Dehradun	Area	1.1	1.3	1.2	1.3	1.2	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.2
	Prod.	0.7	0.8	1.1	1	0.9	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.1
	Yield	636	615	917	769	750	667	667	667	1000	500	500	1000	500
Haridwar	Area	0.5	0.5	0.6	0.7	0.6	0.6	0.5	0.8	1	0.8	0.7	0.8	0.9
	Prod.	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.7	0.9	0.6	0.6	0.6	0.7
	Yield	800	800	833	714	833	667	800	875	900	750	857	750	778
Nainital	Area	1	0.6	0.8	1	0.8	0.8	0.9	0.6	0.7	0.6	0.4	0.5	0.4
	Prod.	0.7	0.4	0.7	0.5	0.7	0.7	0.6	0.3	0.9	0.8	0.5	0.5	0.6
	Yield	700	667	875	500	875	875	667	500	1286	1333	1250	1000	1500
PauriGarhwal	Area	0.4	0.4	0.4	0.5	0.5	0.5	0.8	0.6	0.7	1.2	1.2	1.2	1.1
	Prod.	0.1	0.1	0.3	0.4	0.2	0.2	0.4	0.2	0.3	0.7	0.6	0.6	0.6
	Yield	250	250	750	800	400	400	500	333	429	583	500	500	546
Pithoragarh	Area	0.2	0.3	0.5	0.5	0.5	0.6	0.7	0.6	0.5	0.5	0.6	0.6	0.7
	Prod.	0.1	0.2	0.3	0.3	0.3	0.1	0.3	0.1	0.2	0.2	0.2	0.2	0.6
	Yield	500	667	600	600	600	167	429	167	400	400	333	333	857

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Rudraprayag	Area	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3
	Prod.	0.075	0.07	0.1	0.077	0.038	0.083	0.073	0.09	0.1	0.2	0.2	0.2
	Yield	375	350	500	667	385	415	365	450	333	667	500	667
TehriGarhwal	Area	0.9	0.8	0.9	1.3	1.1	0.9	1.1	0.9	0.9	0.8	1	0.8
	Prod.	0.3	0.3	0.5	0.8	0.4	0.4	0.3	0.3	0.5	0.4	0.6	0.5
	Yield	333	375	556	615	364	444	273	333	556	500	600	625
Udham Singh Nagar	Area	5.1	4.8	5.1	6.5	7.8	4.4	5.3	5.9	5.5	5.4	5.8	5
	Prod.	4.1	3.3	4.8	4.6	5.6	3.7	5.2	6.7	5.6	5.3	7.5	4.3
	Yield	804	688	941	708	718	841	981	1136	1018	982	1293	860
Uttarkashi	Area	1.1	1.1	1.1	1	1.3	1	0.9	1.2	0.9	0.9	0.8	0.9
	Prod.	0.4	0.4	0.7	0.6	0.7	0.4	0.8	0.4	0.5	0.5	0.4	0.4
	Yield	364	364	636	600	539	400	533	333	556	556	500	444

West Bengal		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bankura	Area	12.5	11.1	11.1	12.3	10.6	10.6	10.6	14.6	14.4	8.2	10.2	11.1	11.3
	Prod.	9.7	9.8	9.3	6.9	7.7	6.3	8.1	10.7	11	6.7	8.1	9.0	8.7
	Yield	776	883	838	561	726	594	764	733	764	817	798	806	776
Bardhaman	Area	50.3	42.2	46.5	46.5	29.2	28.9	25.6	27.1	25.5	20.3	20.3	21.8	23.2
	Prod.	37.6	36.2	41.9	31	27.5	21.3	21.8	19.9	24.1	20.1	17.6	25.5	23.5
	Yield	748	858	901	667	942	737	852	734	945	991	866	1168	1013
Birbhum	Area	37.1	34.5	37.4	39.3	34.6	34.7	32.3	34.3	32.8	8.2	10.2	11.1	11.3
	Prod.	37.3	35.1	41.4	30.9	32.3	35.4	37.5	29	34.1	6.7	8.1	9.0	8.7
	Yield	1005	1017	1107	786	934	1020	1161	846	1040	817	798	806	776
Cooch Behar	Area	9.2	10.4	23.3	23.8	17.9	18	16.1	10	8.6	8.2	10.2	11.1	11.3
	Prod.	4.8	4.2	11.9	9.4	8.4	9	6.6	3.2	4	6.7	8.1	9.0	8.7
	Yield	522	404	511	395	469	500	410	320	465	817	798	806	776
Dakshin Dinajpur	Area	22.4	23.8	22.8	23.3	23.4	23.9	22.3	23.2	21.2	20.3	20.3	21.8	23.2
	Prod.	17.1	14.3	20.8	19.2	17.4	13.1	13.2	17.2	17.5	20.1	17.6	25.5	23.5
	Yield	763	601	912	824	744	548	592	741	826	991	866	1168	1013
Darjeeling	Area	0.093	0.066	0.1	0.085	0.085	0.2	0.2	0.2	0.2	8.2	10.2	11.1	11.3
	Prod.	0.072	0.02	0.037	0.023	0.026	0.082	0.074	0.1	0.1	6.7	8.1	9.0	8.7
	Yield	774	303	370	271	306	410	370	500	500	817	798	806	776
Hooghly	Area	14.2	9.6	5.7	6.5	3.4	3.9	6.7	12.6	11.9	8.2	10.2	11.1	11.3
	Prod.	8.8	6.6	5.3	5.2	2.6	3.1	5.1	10.5	11.5	6.7	8.1	9.0	8.7
	Yield	620	688	930	800	765	795	761	833	966	817	798	806	776
Howrah	Area	1.6	0.7	0.9	0.8	0.8	1.1	0.6	1.1	1	20.3	20.3	21.8	23.2
	Prod.	0.7	0.5	0.7	0.4	0.5	0.7	0.4	0.5	0.9	20.1	17.6	25.5	23.5
	Yield	438	714	778	500	625	636	667	455	900	991	866	1168	1013
Jalpaiguri	Area	7.2	6.1	8.4	8.8	8.6	8.7	9.1	9.9	10.7	8.2	10.2	11.1	11.3
	Prod.	3.9	3.1	4.9	5.1	4.8	3.5	6	5.1	6.4	6.7	8.1	9.0	8.7
	Yield	542	508	583	580	558	402	659	515	598	817	798	806	776
Maldah	Area	34.9	34.9	38	38.3	38	38.9	36.4	32.7	32.7	8.2	10.2	11.1	11.3
	Prod.	36.7	26.1	36.2	32.8	41.6	39.7	38.6	27.2	38.4	6.7	8.1	9.0	8.7
	Yield	1052	748	953	856	1095	1021	1060	832	1174	817	798	806	776

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Murshidabad	Area	63	62	77.5	76.1	77.3	77.4	79.4	83.6	83.2	20.3	21.8	23.2
	Prod.	54.3	51.3	81.3	64.5	82.3	71.3	76.6	65.3	111	20.1	17.6	23.5
	Yield	862	827	1049	848	1065	921	965	781	1334	991	866	1168
Nadia	Area	83.1	85.4	83.6	83.6	79.2	79.6	77	63.4	63.3	8.2	10.2	11.3
	Prod.	54.2	76.8	79.8	65.4	71.4	69.1	68.1	51.8	69.6	6.7	8.1	8.7
	Yield	652	899	955	782	902	868	884	817	1100	817	798	806
North 24 Parganas	Area	44.5	32.5	29.3	31.5	32.3	33.1	33.2	39.7	40.6	8.2	10.2	11.3
	Prod.	29.8	28.7	28.7	25.8	34.9	27.7	34.5	37	52.3	6.7	8.1	8.7
	Yield	670	883	980	819	1081	837	1039	932	1288	817	798	806
Paschim Medinipur	Area	18.4	18.5	21	21.7	20.2	17	16.4	14.8	11.8	20.3	20.3	23.2
	Prod.	12.2	14.4	17.8	16	16.7	13.3	14.8	11.3	10.2	20.1	17.6	23.5
	Yield	663	778	848	737	827	782	902	764	864	991	866	1168
Purba Medinipur	Area	4.2	0.9	4.2	4	4	4	4.1	4.1	3.5	8.2	10.2	11.3
	Prod.	3.4	0.8	4.4	4.1	3.4	2.2	2.9	2.6	4.2	6.7	8.1	9.0
	Yield	810	889	1048	1025	850	550	707	634	1200	817	798	806
Purulia	Area	0.4	0.5	1.3	1.3	2.2	4.7	1.5	1.2	0.9	8.2	10.2	11.3
	Prod.	--	--	0.9	0.9	1.6	2.5	0.7	0.6	0.7	6.7	8.1	8.7
	Yield	--	--	692	692	727	532	467	500	778	817	798	806
South 24 Parganas	Area	2.4	3.8	3.3	1.9	3.8	1.4	2.3	1.5	4.5	20.3	21.8	23.2
	Prod.	1.8	3.3	3.5	1.7	3.9	0.9	2.3	1	5.6	20.1	17.6	23.5
	Yield	750	868	1061	895	1026	643	1000	667	1244	991	866	1168
Uttar Dinajpur	Area	34.1	31.2	37.7	37.8	35.9	35.4	33.8	38.6	43.6	8.2	10.2	11.3
	Prod.	24.1	16.9	30.6	23.1	26	19.5	24.5	22.4	41.4	6.7	8.1	9.0
	Yield	707	542	812	611	724	551	725	580	950	817	798	806
West Dinajpur	Area	18.4	18.5	21	--	--	--	--	--	--	--	--	--
	Prod.	12.2	14.4	17.8	--	--	--	--	--	--	--	--	--
	Yield	663	778	848	--	--	--	--	--	--	--	--	--

Source: Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI.
<http://eands.dacnet.nic.in/>

Various State DES websites and State Department of Agriculture websites.

4. SOYBEAN

4.1 World Area, Production and Yield of Soybean

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1986	51896	94446	1820
1987	52542	100102	1905
1988	54861	93522	1705
1989	58647	107254	1829
1990	57209	108456	1896
1991	54987	103323	1879
1992	56171	114467	2038
1993	59499	115148	1935
1994	62499	136449	2183
1995	62510	126950	2031
1996	61094	130206	2131
1997	66938	144358	2157
1998	70983	160136	2256
1999	72050	157779	2190
2000	74367	161299	2169
2001	76801	178245	2321
2002	78960	181678	2301
2003	83640	190652	2279
2004	91602	205524	2244
2005	92567	214561	2318
2006	95315	221966	2329
2007	90163	219727	2437
2008	96468	231272	2397
2009	99338	223411	2249
2010	102793	264914	2577
2011	103818	261597	2520
2012	105366	241581	2293
2013	111630	278093	2491
2014	117719	308436	2620

Source: <http://faostat3.fao.org>

4.2 Area, Production and Yield of Soybean in Major Countries of the World

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Argentina	Area	10400.2	11405.2	12420	14304.5	14032.2	15130	15981.3	16387.4	16771	18130.8	17577.3	19418.8	19252.6
	Prod.	26880.9	30000	34818.6	31576.8	38289.7	40537.4	47482.8	46238.1	30993.4	52675.5	40100.2	49306.2	53397.7
	Yield	2585	2630	2803	2208	2729	2679	2971	2822	1848	2905	2605	2281	2539	2774
Bolivia (Plurinational State of)	Area	615.3	637.1	684.2	804	941.1	950.1	958.3	785.8	902.2	1086.8	1177.5	1327.9	1358.7
	Prod.	1152.3	1246.5	1586	1585.8	1693.1	1619	1595.9	1259.7	1892.6	1693	1861	2661.9	2968.1
	Yield	1873	1957	2318	1972	1799	1704	1665	1603	2098	1558	1581	2059	2235
Brazil	Area	13974.3	16365.4	18524.8	21539	22948.9	22047.3	20565.3	21246.3	21750.5	23327.3	24975.3	27906.7	30273.8
	Prod.	39058	42769	51919.4	49549.9	51182.1	52464.6	57857.2	59833.1	57345.4	68756.3	74815.4	65848.9	86760.5
	Yield	2795	2613	2803	2301	2230	2380	2813	2816	2637	2948	3121	2637	2929
Canada	Area	1068.9	1023.8	1048.6	1173.5	1165.2	1201.2	1171.5	1195.4	1383.3	1476.8	1542.4	1679	1860.1
	Prod.	1635.2	2335.7	2273.3	3043.9	3155.6	3465.5	2895.7	3335.9	3506.8	4345.3	4246.3	5086.4	6048.6
	Yield	1530	2281	2168	2594	2708	2885	2301	2791	2535	2942	2753	3029	2881
China	Area	9482	8721.6	9312.7	9581.8	9593.7	9304.5	8753.9	9127.2	9190.1	8516.1	7889.1	6791	6730.7
	Prod.	15407.3	16505.4	15393.3	17404.3	16350.2	15500.2	12725.1	15542.1	14981.2	15083.2	13011.1	11951.4	12201.2
	Yield	1625	1893	1653	1816	1704	1666	1454	1703	1630	1771	1836	1760	1813
France	Area	120.9	74.8	80.8	58.6	57.4	45.3	32.6	21.8	42.8	49.7	41.6	43	75.8
	Prod.	309.7	208.5	149	147.1	142.5	123	84.6	63.1	107.5	136.7	122.5	110.3	227.3
	Yield	2562	2787	1844	2510	2483	2715	2595	2895	2512	2751	2945	2565	2999
India	Area	6343.1	6105.5	6554.7	7571.2	7707.5	8334	8880	9510.8	9734.7	9554.2	10180	12200	10908
	Prod.	5962.7	4654.7	7818.9	6876.3	8273.5	8857	10968	9905.4	9964.5	12736	12214	11948	10528
	Yield	940	762	1193	908	1073	1063	1235	1042	1024	1333	1200	979	965
Indonesia	Area	678.8	544.5	526.8	565.2	621.5	580.5	459.1	591.9	722.8	660.8	622.3	550.8	615
	Prod.	826.9	673.1	671.6	723.5	808.4	747.6	592.6	776.5	974.5	907	851.3	780	954
	Yield	1218	1236	1275	1280	1301	1288	1291	1312	1348	1373	1368	1416	1551
Italy	Area	234.8	152	152.1	150.4	152.3	177.9	130.3	107.8	134.7	159.5	153	184.1	232.9
	Prod.	895.3	587	397	518.1	553	551.3	408.5	346.2	468.2	552.5	422.1	624.4	933.1
	Yield	3813	3862	2610	3445	3631	3099	3135	3212	3476	3464	3401	3392	4006

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Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Japan	Area	143.9	149.9	151.9	136.8	142.1	138.3	147.1	145.4	137.7	136.7	131.1	128.8	131.6
	Prod.	290.6	270.2	232.2	163.2	225	229.2	261.7	229.9	222.5	218.8	235.9	199.9	231.7
	Yield	2020	1803	1529	1193	1679	1613	1639	1779	1581	1616	1601	1799	1552	1761
Myanmar	Area	114	116	115	132	143	155	157	160	165	157.5	155.6	153.2	151
	Prod.	109	119	122	147	165	186	201	214	243.9	236.9	162.6	160.6	156.5
	Yield	956	1026	1061	1114	1154	1240	1297	1363	1524	1562	1045	1048	1036
Nigeria	Area	519	540	555	587	601	630	609	592	281.9	599.4	668.3	680	719.3
	Prod.	436	464	494	528	565	605	580	426.6	365.1	492.9	650	518	679
	Yield	840	859	890	900	940	960	909	970	721	822	973	762	944
Paraguay	Area	1350	1445.4	1474.1	1870	1970	2200	2400	2463.5	2671.1	2805.5	2920	3080	3500
	Prod.	3511.1	3300	4204.9	3583.7	3988	3800	6000	6311.8	3855	7460.4	4345	9086	9975
	Yield	2601	2283	2853	1916	2024	1727	2500	2562	1500	2793	1488	2950	2850
Russian Federation	Area	371.9	362.4	399.5	555.3	655.8	810.1	709.9	712.5	1036.3	1187.4	1375.2	1200.1	1915.9
	Prod.	349.9	422.8	393.3	555.3	688.7	804.5	650.2	746	1222.4	1756	1806.2	1636.3	2596.6
	Yield	941	1167	985	1000	1050	993	916	1047	1188	1479	1313	1364	1355
South Africa	Area	134.2	124.2	100.1	135	150	240.6	183	165.4	237.8	418	472	517	503
	Prod.	226.1	223	136.5	220	272.5	424	205	282	516	710	650	785	948
	Yield	1685	1796	1364	1630	1817	1762	1120	1705	2170	1699	1377	1518	1885
Thailand	Area	176.4	174.8	149.7	145.9	144.2	137.6	126.4	116.7	106.8	89.7	49.8	30.8	29.9
	Prod.	260.7	259.9	230.5	217.5	225.7	214.8	201.3	186.6	176.2	177.1	311.4	192.7	187.1
	Yield	1478	1487	1540	1491	1565	1561	1593	1599	1650	1972	1964	6253	6258
Turkey	Area	17	25.5	27	14	8.6	11.9	8.7	9.4	10.5	26.4	31.6	43.3	34.3
	Prod.	50	75	85	50	29	47.3	30.7	34.5	38.4	102.3	115	180	150
	Yield	2941	2941	3148	3571	3372	3975	3529	3670	3657	3875	3639	4157	4373
Uganda	Area	127	151	165	144	144	145	147	148	150	157	46	46.4	46.8
	Prod.	144	166	187	158	158	175	176	178	180	213.3	23	23.2	23.4
	Yield	1134	1099	1133	1097	1097	1207	1197	1203	1200	1359	500	500	500

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
USA	Area	29532.3	29338.8	29330.3	29930.1	28834.6	25959.2	30222.7	30907	31003.3	29856.4	30814.7	30858.8	33614
	Prod.	78669.9	75008.5	66781.4	85013.9	83504.9	72857.7	80748.7	91417.3	90605.5	84191.9	82790.9	91389.4	108013.7
	Yield	2664	2557	2277	2840	2896	2882	2807	2672	2958	2922	2820	2687	2962	3213
Zimbabwe	Area	77.2	58.2	63	49.6	41.9	69.9	62	60	42.3	56	55	52	70
	Prod.	175.2	83.1	93	85.8	59.7	112.3	100	90	57.3	80	77	70	90
	Yield	2269	1428	1476	1730	1425	1607	1613	1500	1355	1429	1400	1346	1286
Viet Nam	Area	140.3	158.6	165.6	183.8	204.1	185.6	187.4	192.1	197.8	181.4	119.6	117.2	109.4
	Prod.	173.7	205.6	219.7	245.9	292.7	258.1	275.5	267.6	215.2	266.5	173.7	168.3	156.5
	Yield	1238	1296	1327	1338	1434	1391	1470	1393	1464	1469	1452	1436	1431
Africa	Area	969.6	997.2	1070.2	1145.4	1210.8	1317.8	1282.1	1389.7	1152.4	1585.3	1716.3	1818.5	1861.5
	Prod.	1062.1	1029.9	1062	1174.5	1318	1497	1343.5	1455.9	1580.4	1886.8	1975.6	2057.4	2378
	Yield	1095	1033	992	1025	1089	1133	1020	1136	1360	1190	1151	1131	1278
Americas	Area	57129.2	60411.4	63755.9	70091.9	70349.2	72162.8	72955	75045.4	78835	79280	80409.9	85786.1	91857.7
	Prod.	151280.8	155059.4	162165.5	175104.3	182685	189792.3	189607.3	198872.8	227723.5	224314.7	203439.4	243087.4	271214.2
	Yield	2648	2567	2544	2498	2597	2630	2806	2726	2889	2829	2530	2834	2953
Asia	Area	17630.2	16541.9	17588.6	18950.5	19260.8	19511.5	19364.4	20514.3	20902.9	19958.6	19755.3	20760	19466.7
	Prod.	23733.5	23513.9	25560.1	26707.1	27438.8	27011.7	26161	28165.7	27861.9	30774.1	30561.5	26758.5	25761.9
	Yield	1346	1422	1453	1409	1425	1384	1351	1373	1333	1482	1547	1289	1323
Europe	Area	1039.4	977.8	1218.8	1387.6	1719.9	2295.9	1888.4	1701.5	1957.5	2976.7	3446.3	3224.8	4495.8
	Prod.	2119.2	2011.5	1854.8	2478.7	3064.9	3610	2583.8	2742.5	3357	4789.6	5518.1	6097.9	9002
	Yield	2039	2057	1522	1786	1782	1572	1368	1612	1715	1948	1601	1891	2002
Oceania	Area	33	32	6.2	27	26.6	23.9	13.1	14.9	42.3	17.4	38.1	41.1	37
	Prod.	49	63	9.2	59.8	54	55	32	34.7	80.1	29.8	86.1	91.8	80
	Yield	1485	1969	1484	2215	2030	2301	2443	2329	1894	1713	2260	2234	2162
World	Area	76801.4	78960.3	83639.7	91602.4	92567.3	90162.8	96467.8	99337.8	102793.5	103818	105365.9	111630.5	117718.7
	Prod.	178244.6	181677.7	190651.6	205524.4	214560.7	221966	219727.6	231271.6	223411.3	261596.8	241580.7	278093	308436.1
	Yield	2321	2301	2279	2244	2318	2329	2437	2397	2249	2520	2293	2491	2620

Source: <http://faostat3.fao.org>

4.3 All India Area, Production and Yield of Soybean

(Area in '000 ha; Production in '000 Tonnes; Yield in kg/ha)

Year	Area	Production	Yield	% Under Irrigation	Year	Area	Production	Yield	% Under Irrigation
1970-71	32	14	426	NA	1993-94	4371	4745	1086	2.5
1971-72	32	14	426	NA	1994-95	4318	3932	911	2.9
1972-73	34	28	819	NA	1995-96	5035	5096	1012	3.7
1973-74	48	39	829	NA	1996-97	5442	5380	989	2.7
1974-75	67	51	768	NA	1997-98	5986	6460	1079	2.6
1975-76	93	91	977	NA	1998-99	6489	7140	1100	2.5
1976-77	125	123	988	NA	1999-00	6222	7080	1138	1.6
1977-78	195	183	941	NA	2000-01	6417	5280	823	1.4
1978-79	306	299	975	NA	2001-02	6343	5963	940	1.7
1979-80	496	282	568	NA	2002-03	6106	4655	762	0.8
1980-81	608	442	728	NA	2003-04	6555	7819	1193	1.4
1981-82	475	352	741	NA	2004-05	7571	6876	908	1.8
1982-83	770	491	638	NA	2005-06	7708	8274	1073	1.7
1983-84	836	614	735	NA	2006-07	8329	8851	1063	1.1
1984-85	1243	955	768	NA	2007-08	8882	10968	1235	1.2
1985-86	1340	1024	764	NA	2008-09	9511	9905	1042	0.7
1986-87	1527	891	584	NA	2009-10	9735	9965	1024	0.7
1987-88	1543	898	582	NA	2010-11	9601	12736	1327	0.6
1988-89	1734	1547	892	NA	2011-12	10109	12214	1208	0.6
1989-90	2253	1806	801	NA	2012-13	10841	14666	1353	NA
1990-91	2564	2602	1015	NA	2013-14	11716	11861	1012	NA
1991-92	3185	2492	783	NA	2014-15	11086	10528	950	NA
1992-93	3789	3387	894	2.6					

Source: Various issues of Agricultural Statistics at Glance. Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

Note: Soybean crop has been brought on forecast basis for the first time from 1981-82. As such data for earlier years are based on assessments by State Agriculture Departments.

NA-Not available

4.4 State-wise Area, Production and Yield of Soybean

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Andhra Pradesh	Area	19.4	41.2	68.4	76.9	98	103	88	156	128	130	159	245	244	
	Prod.	19.7	41.8	107.3	120.5	191	156	173	129	218	210	289	395	264	
	Yield	1015	1015	1569	1567	1949	1515	1966	1366	827	1703	1615	1618	1612	1082
Arunachal Pradesh	Area	2.9	3.5	3.8	3.2	3.8	3.6	3.6	3.3	2.6	2.7	3.0	2.8	-	
	Prod.	4.2	4.7	4.7	4.3	3.6	3.6	4.2	4.73	3.1	3.5	4.0	4.5	3.5	
	Yield	1448	1343	1237	1344	947	947	1167	1433	1183	1346	1487	1518	1273	-
Chhattisgarh	Area	10.6	15.2	20.8	33.2	40.9	68.5	69.2	79.4	108	106.3	106.3	106.6	349.9	
	Prod.	8.7	8.3	18.4	33.8	36.8	68.3	79.5	78.4	103.2	124.4	75.6	128.1	93.5	79.7
	Yield	821	546	885	1018	900	997	1149	987	956	1170	753	1205	877	753
Gujarat	Area	6.3	15	14	27	34	51	68	83	84	42	47	60	74	
	Prod.	5.1	10	10	15	29	26	26	58	70	33	47	44	56.2	
	Yield	810	667	714	556	853	510	382	699	805	810	786	1000	733	759
Himachal Pradesh	Area	-	-	-	-	-	-	-	-	-	-	-	-	0.6	
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	1.2	
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	1883	
Himachal Pradesh	Area	0.6	0.7	1	1	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	-	
	Prod.	1	1.1	1	1	0.8	0.4	1.1	1.2	0.5	0.8	1	0.9	0.9	
	Yield	1667	1571	1000	1000	1333	667	1833	1714	850	1333	1587	1429	1450	
Jharkhand	Area	-	-	-	-	-	2.1	0.3	0.9	0.5	0.085	0.2	0.7	0.5	
	Prod.	-	-	-	-	-	0.1	0.1	0.3	0.2	0.017	0.052	0.9	0.6	
	Yield	-	-	-	-	-	48	333	333	329	200	329	1194	1099	
Karnataka	Area	48.4	57.5	93.9	159	133	113	113	134	184	168	191	170	219	
	Prod.	40.2	47.8	45.3	96	71	94	97	91	82	147	172	178	270	
	Yield	831	831	482	604	534	718	858	679	446	875	901	1047	1233	
Kerala	Area	-	-	-	-	-	-	-	-	-	0.025	0.01	-	-	
	Prod.	-	-	-	-	-	-	-	-	-	0.02	-	-	-	
	Yield	-	-	-	-	-	-	-	-	-	2000	-	-	-	

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State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Madhya Pradesh	Area	4449.7	4190.6	4212.4	4485.3	4255.3	4756.6	5024.4	5124	5349.5	5659.1	6031.7	6308.6	5578
	Prod.	3735	2673.7	4652.6	3747.1	4500.7	4784.9	5480.5	5849.8	6406.3	6669.8	7800.1	5242.447	6353
	Yield	839	638	1105	835	1058	1006	1091	1142	1198	1200	1293	831	1139
Maharashtra	Area	1104.9	1256	1589	2102	2347	2521	2664	3063	3019	3010	3219	3520	3801
	Prod.	1385.5	1576	2219	1892	2527	2892	3976	2756.7	2197	3969	4670.8	4754.9	2490.4
	Yield	1254	1255	1396	900	1077	1147	1492	900	728	1319	1451	1351	655
Manipur	Area	-	-	-	-	-	-	-	-	4.4	4.8	7.5	5.2	-
	Prod.	-	-	-	-	-	-	-	-	4.1	5.1	0.8	4.6	-
	Yield	-	-	-	-	-	-	-	-	927	1063	109	878	-
Meghalaya	Area	1	1	1	1	1	1	1.1	1.1	1.1	1.1	1.1	1.6	-
	Prod.	0.9	0.9	1	0.9	1	1	1	1.2	1.2	1.8	1.2	2.9	-
	Yield	900	900	1000	900	1000	1000	909	1091	1109	1694	1099	1820	-
Mizoram	Area	1.3	2	2	1.5	1.4	2	1.7	1	1.3	1.4	1.1	1.0	-
	Prod.	1.2	1.8	2	1.6	2.7	2	0.4	1.1	2.0	2.7	1.4	1.5	-
	Yield	923	900	1000	1067	1929	1000	235	1100	1603	1929	1254	1411	1480
Nagaland	Area	18	26	26	30	26.7	25.5	28.3	24.5	24.2	24.5	24.7	24.8	-
	Prod.	25	35	36	48	32	30.6	32.5	36.7	25.0	30.4	30.9	31.1	-
	Yield	1389	1346	1385	1600	1199	1200	1148	1498	1032	1246	1252	1255	-
Odisha	Area	-	-	-	-	-	-	-	-	-	-	0.3	0.3	1.1
	Prod.	-	-	-	-	-	-	-	-	-	-	0.2	0.2	0.7
	Yield	-	-	-	-	-	-	-	-	-	-	654	615	632
Rajasthan	Area	655.9	471.7	493.9	621.9	744.3	641.1	797.6	829.5	778.4	897.1	1039.8	1175.1	923.2
	Prod.	715.9	236.4	691.4	886.5	856.3	771.3	1071.2	805.7	914.6	1118.1	1385.2	974.7	956.7
	Yield	1091	501	1400	1425	1150	1203	1343	971	1175	1544	1412	829	1036
Sikkim	Area	4.2	3.9	3.9	3.9	4	4	3.6	3.9	4	3.87	3.86	3.88	-
	Prod.	3.4	3.1	3.2	3.3	3.3	3.3	3.2	3.3	4.1	3.47	3.61	3.67	-
	Yield	810	795	821	846	825	825	889	846	1025	897	935	946	-

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Tamil Nadu	Area	-	-	-	-	-	-	-	-	0.27	0.18	-	-	-
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	Area	-	-	-	-	-	-	-	-	-	-	-	0.02	-
	Prod.	-	-	-	-	-	-	-	-	-	-	-	0.02	-
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	Area	10.9	4.7	5.6	6.8	8	4.8	11	7	11	18	14	26	52
	Prod.	7.9	0.8	6	3	3	3.2	9	8	14	22	19	15	38
	Yield	725	170	1071	441	769	667	818	1143	1273	1222	1357	577	731
Uttarakhand	Area	8.5	16	19	18	13	13	9	11	9.7	12	10.5	14.9	13
	Prod.	8.7	13	21	23	15	19	14	18	14.4	18	20.9	22.1	16
	Yield	1024	813	1105	1278	1154	1462	1556	1636	1480	1500	1985	1479	1231
West Bengal	Area	0.5	0.5	-	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.6
	Prod.	0.3	0.3	-	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.5	0.4	0.4
	Yield	600	600	-	600	500	600	600	603	567	1226	833	699	707
Others	Area	-	-	-	-	-	-	-	-	-	-	-	-	37.1
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	44.6
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	1203
All India	Area	6343.1	6105.5	6554.7	7571.2	7707.5	8881.7	9510.8	9734.7	9601.0	10109.1	10840.7	11716.4	11086.4
	Prod.	5962.7	4654.7	7818.9	6876.3	8273.5	10968.2	9905.4	9964.5	12736.4	12213.5	14666.5	11860.8	10527.7
	Yield	940	762	1193	908	1073	1235	1041	1024	1327	1208	1353	1012	950

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI-<http://eands.dacnet.nic.in/>

Note: 2014-15 – Fourth advance estimates

Karnataka		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bagalkot	Area	0.4	1.3	0.3	9.2	6.5	3.4	2.6	2.3	3.5	3.7	3.0	0.3	3.0
	Prod.	0.3	0.7	0.1	5.2	4.9	3.2	3.5	2.3	2	3.0	2.6	0.2	3.6
	Yield	750	539	333	565	754	941	1346	1000	571	863	917	827	1263
Belgaum	Area	42.6	49.7	62.2	97.2	69.1	76.9	64.4	70.1	97.4	78.7	77.3	60.2	66.8
	Prod.	35.8	42.8	27.1	59.4	38.3	59	55.4	47.2	49.3	64.4	78.4	40.4	49.2
	Yield	840	861	436	611	554	767	860	673	506	862	1068	706	775
Bidar	Area	0.1	0.4	12.3	28.2	31.9	20.8	14.8	23.9	33.5	47.4	81.1	77.2	109.4
	Prod.	0.1	0.3	5.9	17.6	21.7	17.5	15.2	16.1	7.9	44.9	87.6	115.3	174.9
	Yield	1000	750	480	624	680	841	1027	674	236	996	1138	1572	1683
Chamarajnagar	Area	--	--	--	--	--	--	--	0.001	--	0.0	0.0	--	0.0
	Prod.	--	--	--	--	--	--	--	0.001	--	0.0	0.0	--	0.0
	Yield	--	--	--	--	--	--	--	1000	--	0.0	0.0	--	0.0
Davanagere	Area	--	0.004	0.004	--	--	--	--	--	--	0.0	0.0	--	0.0
	Prod.	--	0.003	0.002	--	--	--	--	--	--	0.0	0.0	--	0.0
	Yield	--	750	500	--	--	--	--	--	--	0.0	0.0	--	0.0
Dhanwad	Area	5	5.7	18.3	22.8	21.6	22.4	24.8	27.5	36	30.8	23.2	21.2	28.7
	Prod.	3.7	3.6	11.7	16.2	8.3	10.7	13.6	20	19.2	26.9	17.8	16.0	28.3
	Yield	740	632	639	711	384	478	548	727	533	918	805	792	1038
Gadag	Area	--	--	--	0.076	0.075	0.1	0.041	0.006	0.004	0.0	0.0	--	0.0
	Prod.	--	--	--	0.048	0.042	0.089	0.033	0.004	0.002	0.0	0.0	--	0.0
	Yield	--	--	--	632	560	890	805	667	500	0.0	0.0	--	0.0
Gulbarga	Area	0.016	0.021	0.2	0.2	0.8	0.7	0.4	1.1	1.9	0.4	0.9	4.5	6.1
	Prod.	0.013	0.017	0.085	0.1	0.5	0.5	0.3	0.7	0.2	0.1	0.3	3.4	8.3
	Yield	813	810	425	500	625	714	750	636	105	392	385	797	1449
Hassan	Area	0.018	0.002	0.005	0.004	--	--	--	--	--	0.0	0.0	--	0.0
	Prod.	0.015	0.002	0.002	0.003	--	--	--	--	--	0.0	0.0	--	0.0
	Yield	833	1000	400	750	--	--	--	--	--	0.0	0.0	--	0.0

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Haveri district	Area	0.2	0.3	0.5	1.3	3	6.5	5.9	9.3	11.3	7.0	5.5	6.0
	Prod.	0.1	0.3	0.3	0.8	0.8	6	4	6.2	3.7	8.0	6.0	2.5
	Yield	500	1000	600	615	267	923	678	667	327	1206	1147	435
Mandya	Area	0.011	0.029	0.02	0.063	0.084	0.011	0.006	--	--	0.0	0.0	--
	Prod.	0.009	0.024	0.01	0.039	0.047	0.008	0.005	--	--	0.0	0.0	--
	Yield	818	828	500	619	560	727	833	--	--	923	1063	--
Mysore	Area	0.067	--	--	0.018	0.011	0.023	0.052	0.017	--	0.0	0.0	--
	Prod.	0.056	--	--	0.011	0.006	0.017	0.042	0.012	--	0.0	0.0	--
	Yield	836	--	--	611	546	739	808	706	--	0.0	0.0	--
Shimoga	Area	--	0.002	--	0.005	--	--	--	--	--	0.0	0.0	--
	Prod.	--	0.002	--	0.003	--	--	--	--	--	0.0	0.0	--
	Yield	--	1000	--	600	--	--	--	--	--	923	0.0	--
Tumkur	Area	0.005	--	0.011	0.014	0.003	0.005	0.044	0.017	0.005	0.0	0.0	--
	Prod.	0.004	--	0.005	0.009	0.002	0.004	0.036	0.012	0.002	0.0	0.0	--
	Yield	800	--	455	643	667	800	818	706	400	923	1063	--
Uttara Kannada	Area	--	--	--	--	0.3	0.2	0.1	0.031	0.018	0.0	0.0	0.004
	Prod.	--	--	--	--	0.2	0.1	0.1	0.021	0.008	0.0	0.0	0.004
	Yield	--	--	--	--	667	500	1000	677	444	0.0	0.0	1104
Vijayapura	Area	--	--	--	0.04	0.009	0.01	0.01	--	0.004	--	--	--
	Prod.	--	--	--	0.025	0.005	0.007	0.008	--	0.002	--	--	--
	Yield	--	--	--	625	556	700	800	--	500	--	--	--

Madhya Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Anuppur	Area	--	1.4	1.2	1.3	1.3	1.8	2.1	2.5	3	3.4	4.7	5.8
	Prod.	--	0.7	0.5	0.6	0.6	0.6	1.1	0.9	1.2	1.4	4.3	4.6
	Yield	--	500	417	462	462	333	524	360	400	412	915	793
Ashok Nagar	Area	--	46.3	58.4	42.3	45.8	48.5	53.3	65.2	65.8	108	118.8	162.9
	Prod.	--	44.4	51	43.6	45.3	52.1	59.4	72.9	84.2	127.3	247.8	152.4
	Yield	--	959	873	1031	989	1074	1114	1118	1280	1179	2086	936
Balaghat	Area	0.2	0.2	0.1	0.1	0.1	0.1	0.097	0.1	0.093	0.058	0.044	0.045
	Prod.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.098	0.06	0.032
	Yield	1000	1000	2000	2000	1000	1000	1031	1000	2151	1690	1364	711
Barwani	Area	27.8	20.9	25.5	26.9	29.6	29.7	31.2	31.4	33.1	35.4	37.5	37.9
	Prod.	13.4	11.9	19.2	14.2	11	12.3	13.8	14.6	9.5	12.3	76.9	39.6
	Yield	482	569	753	528	355	355	414	465	287	348	2051	1045
Betul	Area	156.5	160.8	153.2	158.2	176.7	194.1	197	210.3	229	206.9	236	241.9
	Prod.	138	104.8	136.7	108.9	189.9	203.3	222.8	256.7	251	262.5	436.7	152.3
	Yield	882	652	892	688	1075	1049	1131	1221	1096	1269	1850	630
Bhind	Area	0.1	0.02	0.031	0.2	0.082	0.026	0.002	0.001	0.002	0.017	0.003	0.1
	Prod.	0.088	0.015	0.027	0.1	0.067	0.016	0.014	0.001	--	0.014	0.002	0.1
	Yield	880	750	871	500	817	571	539	500	2000	824	667	1000
Bhopal	Area	84	84.7	86.4	89.7	90.6	96.1	104	103.3	106.8	107.7	110.5	114.3
	Prod.	82.8	77.6	92	88.6	105.1	119.7	138	137.8	123.5	128.8	160.5	72.6
	Yield	986	916	1065	988	1160	1034	1246	1327	1334	1196	1453	635
Burhanpur	Area	--	--	10.4	14.2	13.1	14.3	14.3	15.1	15.1	15.6	17.2	18.3
	Prod.	--	--	7.6	6.9	8.5	8.5	9.4	10.5	7.9	8.5	16.6	26.2
	Yield	--	--	731	486	649	594	657	695	523	545	965	1432

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Chhatarpur	Area	23.9	15.2	17.6	22.8	23.3	22.1	31.9	33.5	41.6	47.4	60.9	73.2	88.3
	Prod.	12.1	4.5	11.7	12.3	11.4	9.4	9.2	21.3	26.3	19.6	25.4	61.8	52.8
	Yield	506	296	665	540	489	425	288	636	636	414	417	844	598
Chhindwara	Area	90.3	100.7	109.6	140.1	128.6	139.8	144.6	147.9	157.2	161.6	146.7	153.7	150
	Prod.	67.5	74.6	158.7	117.1	114.6	190.9	216.6	176.5	266	320.8	264.4	382.6	115.4
	Yield	748	741	1448	836	891	1366	1498	1193	1692	1985	1802	2489	769
Damoh	Area	50	26.4	32.3	44.9	45.3	54.6	108.7	93	91	62.1	50.5	102.7	128.6
	Prod.	39.1	12.2	32.8	42.7	46.7	45.6	62.3	109.4	101.8	90.5	65.1	129.9	64.8
	Yield	782	462	1016	951	1031	835	573	1176	1119	1457	1289	1265	504
Datia	Area	1.8	0.5	0.6	0.8	0.8	0.4	0.4	0.3	0.3	0.3	0.7	0.8	1.8
	Prod.	1.9	0.3	0.5	0.5	0.7	0.3	0.2	0.2	0.2	0.2	0.5	0.7	1.4
	Yield	1056	600	833	625	875	750	500	667	667	667	714	875	778
Dewas	Area	270.4	268.7	271.1	274.2	280.7	282.5	296.1	303.5	306.6	321.6	324.3	340.5	351
	Prod.	313.7	266.6	384.1	287.1	361	336.8	356.5	367.9	394	402.5	418	544.2	267.4
	Yield	1160	992	1417	1047	1286	1192	1204	1212	1285	1252	1289	1598	762
Dhar	Area	237.7	230.9	224.6	238.5	245.9	247.3	250.3	260.1	268.1	267.9	277.5	277.8	292.2
	Prod.	207.5	195.3	260.8	217.3	312.8	311.1	331.1	375.9	443.9	354.6	363	442.5	433.3
	Yield	873	846	1161	911	1272	1258	1323	1445	1656	1324	1308	1593	1483
Dindori	Area	3.5	3.7	4.2	4.5	4.9	5.1	5.4	5.5	5.8	6.4	8.9	6.7	7.2
	Prod.	2.7	2.4	3.2	3.5	2.5	3	3.4	3.5	3.8	5.1	5	4	5.8
	Yield	771	649	762	778	510	588	630	636	655	797	562	597	806
Guna	Area	157.6	149.2	123	141.4	138.4	140.7	162.4	177.4	188.9	212	213	234.5	247.1
	Prod.	149.4	49.5	130.7	112.4	148.9	137.2	188.5	183.9	196.3	252.9	298.6	299.3	148.4
	Yield	948	332	1063	795	1076	975	1161	1037	1039	1193	1402	1276	601
Gwalior	Area	1.4	0.4	3.1	19.9	20.8	15.9	17	7	4.2	2.2	1.7	8.2	5.6
	Prod.	2.8	0.4	6.6	41.6	44.8	23.5	28.9	13.3	7.3	3.2	2.9	14.6	7.7
	Yield	2000	1000	2129	2091	2154	1478	1700	1900	1738	1455	1706	1781	1375

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Harda	Area	146.6	150.5	152.3	153	162.2	160.5	167.9	168.9	172.8	171.5	180.2	178.8	177.5
	Prod.	175.9	125.2	202	62.4	293.4	267	234.3	212.1	291.3	237.4	258.7	216	47.4
	Yield	1200	832	1326	408	1809	1664	1396	1256	1686	1384	1436	1208	267
Hoshangabad	Area	211.4	204.3	200.5	204	188.5	194.9	206.7	211.9	214.7	216.7	220.7	223.7	213.2
	Prod.	216	130.3	205.5	110.8	198.1	237.1	225.3	179.1	283	138.3	141.5	192.8	21.1
	Yield	1022	638	1025	543	1051	1217	1090	845	1318	638	641	862	99
Indore	Area	220.4	219.6	218.5	220.1	209.9	224.2	226	221	226.8	223.1	226.4	228.2	231.2
	Prod.	215.8	166	235.5	238.6	236.4	276	315.3	335.2	401.5	254.9	262.9	331.8	232.8
	Yield	979	756	1078	1084	1126	1231	1395	1517	1770	1143	1161	1454	1007
Jabalpur	Area	7.2	0.2	0.6	0.7	0.9	2.2	5.6	3.9	2.8	4.3	6.8	16	43.1
	Prod.	6.8	0.2	0.9	1	0.8	2.2	3.5	4.8	3.2	5	6.5	21.4	11.9
	Yield	944	1000	1500	1429	889	1000	625	1231	1143	1163	956	1338	276
Jhabua	Area	35.8	30.1	26.6	28	30.8	34	40.6	39.9	43.7	47.3	49	52	56.9
	Prod.	17.6	16.2	22.4	16.3	19.9	24.4	29	30.3	31.4	33.4	33.5	51.3	44.5
	Yield	492	538	842	582	646	718	714	759	719	706	684	987	782
Katni	Area	0.1	0.1	0.087	0.1	0.041	0.3	0.7	0.5	0.3	0.4	0.6	0.8	1
	Prod.	0.1	0.056	0.07	0.099	0.029	0.096	0.2	0.3	0.2	0.2	0.3	0.6	1.3
	Yield	1000	560	805	990	707	320	286	600	667	500	500	750	1300
Khandwa (East Nimar)	Area	175.2	172.5	157	155.3	149	149.6	152.4	154.3	154.4	165.4	169.4	182.3	189.3
	Prod.	77.2	85.4	98.3	75.7	89.3	103	107.9	118.1	97.6	87.2	94	158.9	152
	Yield	441	495	626	487	599	689	708	765	632	527	555	872	803
Khargone (West Nimar)	Area	46.2	47.1	50.2	53.6	60.2	57.1	53.6	52.8	48.2	43.7	41.1	49	55
	Prod.	23.9	30.6	45.3	34.2	33.9	40.6	40.5	33.9	33.9	27.7	23.7	47.7	42.3
	Yield	517	650	902	638	563	711	756	642	703	634	577	974	769
Mandla	Area	0.4	0.2	0.2	0.5	0.6	1.3	2.5	2.4	2.3	2.3	3.3	3.1	1.9
	Prod.	0.3	0.1	0.2	0.4	0.4	0.8	1.8	2.1	1.7	1.5	2.2	1.9	0.1
	Yield	750	500	1000	800	667	615	720	875	739	652	667	613	53

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Mandsaur	Area	223.4	207.7	200.6	232	245.8	250.9	255.9	259.1	262.6	261.5	270.5	277.8	286.4
	Prod.	160.7	111.6	211.7	204.6	162.5	210.5	216.3	237.3	184.1	354.9	374	493.6	316.8
	Yield	719	537	1055	882	661	839	845	916	701	1357	1383	1777	1106
Morena	Area	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.3	0.5
	Prod.	0.3	0.1	0.2	0.2	0.5	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.6
	Yield	1500	500	1000	1000	1667	1000	1500	1500	1500	1333	1250	1333	1200
Narsinghpur	Area	92	70.3	62.2	60.2	53.2	52.6	63	75	79.7	70.9	75.7	94.1	101.9
	Prod.	155.1	67.3	117.6	103.5	91.5	83.3	81.5	116.4	148.9	155.8	123.3	168.4	40.1
	Yield	1686	957	1891	1719	1720	1584	1294	1552	1868	2198	1629	1790	394
Neemuch	Area	104.6	95	94.9	115.1	122.5	123.1	120.3	122.3	120	119.8	123	126.2	129.9
	Prod.	88.4	44.2	122.6	99.2	72.4	87.5	91.4	128.7	115.1	96.2	102.1	198.5	138.6
	Yield	845	465	1292	862	591	711	760	1052	959	803	830	1573	1067
Panna	Area	1.6	0.5	0.2	0.7	0.8	1.7	4.5	5.3	11.1	8.8	11.2	17	26.2
	Prod.	0.8	0.2	0.1	0.3	0.5	0.8	2.3	3.6	7.8	9.8	7	14.6	15.9
	Yield	500	400	500	429	625	471	511	679	703	1114	625	859	607
Raisen	Area	94.4	73.3	69.3	77.6	70.6	69.7	128.3	116.6	123.3	143.9	174.9	196.5	194.5
	Prod.	74	54.3	67.4	67.7	76.6	81.1	153.6	129.2	141.1	132.1	127	181.8	46.8
	Yield	784	741	973	872	1085	1164	1197	1108	1144	918	726	925	241
Rajgarh	Area	260.9	255.8	252.3	261	266.3	273.1	277.4	283.2	292.1	299	313.1	326.2	342.4
	Prod.	158.1	87.2	286.4	231	317.2	229.4	272.4	307.8	255.8	258.5	268	400.6	197.6
	Yield	606	341	1135	885	1191	840	982	1087	876	865	856	1228	577
Ratlam	Area	178.4	165	158.4	178.7	181.8	188.5	197.6	204.7	208.2	210.7	216.9	224.5	236.4
	Prod.	111.5	70.8	181.9	115.6	175.6	220.6	235.8	225.5	191.9	267.1	273.3	336.8	261
	Yield	625	429	1148	647	966	1170	1193	1102	922	1268	1260	1500	1104
Rewa	Area	16.5	13.3	13.8	15.5	16.2	19.4	22.7	24.5	28.5	29.7	35.5	36	50
	Prod.	9	5.3	8.2	8.3	11	11.8	12.4	15.9	18.8	20.5	18.2	21	47
	Yield	546	399	594	536	679	608	546	649	660	690	513	583	940

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sagar	Area	167.3	152.6	162.4	194.8	168.8	202.9	321.8	303.1	308.5	303.6	318	335.2	351.7
	Prod.	114	72.7	160.8	162.4	140.7	169.6	185.3	270.6	282	271.3	316.8	438.5	149.8
	Yield	681	476	990	834	834	836	576	893	914	894	996	1308	426
Satna	Area	12.7	6	9.1	16.3	19.1	30.8	46.7	51.4	54.2	46.4	50.6	55.3	81.5
	Prod.	8.5	2.2	5.7	9.2	12.1	15.3	21.9	28.5	29.7	26.1	26.4	28.1	17.4
	Yield	669	367	626	564	634	497	469	555	548	563	522	508	214
Sehore	Area	247.2	246.5	255.3	18.2	269.8	243.6	284.5	282.6	284.4	283.9	289.8	308.7	312.2
	Prod.	250.4	249.9	331.4	25.4	344.3	216.3	340.5	365.3	433.9	369.9	357.9	381.6	150.7
	Yield	1013	1014	1298	1396	1276	888	1197	1293	1526	1303	1235	1236	483
Seoni	Area	67.5	67.6	72.1	95.4	86.6	99.8	110.1	113.5	113.2	120.2	122.1	119	106.5
	Prod.	74.9	61.8	84.3	81.7	71.6	110.7	107.6	119.8	123.4	113.4	122.1	147.7	27.5
	Yield	1110	914	1169	856	827	1109	977	1056	1090	943	1000	1241	258
Shahdol	Area	3.3	2.9	1.4	1.7	1.7	1.8	2.4	2	3.4	2.9	5.3	6.4	11.9
	Prod.	1.6	1.1	0.7	0.7	0.8	0.9	1.3	1.2	1.2	5.2	2.4	6.1	13.3
	Yield	485	379	500	412	471	500	542	600	618	1793	453	953	1118
Shajapur	Area	314.6	315.3	307.3	319	327.8	327	331.4	337.1	340.5	348.6	355.4	371.1	241.9
	Prod.	195	151.3	303.6	262.5	320.9	272.4	308.9	337.8	305.1	389.5	395.9	498	186.7
	Yield	620	480	988	823	979	833	932	1002	896	1117	1114	1342	772
Sheopur	Area	22.7	7.2	21.9	275.7	21.2	14.7	15.4	13.7	9.8	8	28.8	36.8	54.3
	Prod.	31	9.3	34.1	207.1	25	15.4	15.7	18.1	11.2	13.9	29.7	47.9	76.3
	Yield	1366	1292	1557	751	1179	1048	1020	1321	1143	1738	1031	1302	1405
Shivpuri	Area	81.1	62.1	82.6	101.4	102.9	103.7	103.2	115.9	119	121.6	166.5	162.8	186.2
	Prod.	80.1	13.6	81.2	83.2	96.6	76.5	51.8	106.3	107.5	121.5	169.6	148.4	117.1
	Yield	988	219	983	821	939	738	502	917	903	999	1019	912	629
Sidhi	Area	0.2	0.068	0.2	0.073	0.1	0.093	0.089	0.1	0.1	0.2	0.1	0.067	0.3
	Prod.	0.1	0.026	0.1	0.031	0.06	0.038	0.038	0.067	0.056	0.08	0.045	0.037	0.1
	Yield	500	382	500	425	600	409	427	670	560	400	450	552	333

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Tikamgarh	Area	46.9	30.2	29.5	30.7	28.4	24.9	32.9	37.1	36.7	31.5	39.2	54.2	60.6
	Prod.	53.7	18.2	42.6	26.6	26.2	16.9	14.3	43.7	44.6	36	31.4	38.4	33.6
	Yield	1145	603	1444	866	923	679	435	1178	1215	1143	801	709	555
Ujjain	Area	416.7	414.7	364	400.1	421.7	430.3	431.7	443.7	453.8	451.8	456.7	458.8	464.7
	Prod.	268.3	200.7	396	277.3	443.6	467.8	513.3	628.3	673	626.8	632.9	673.1	363.4
	Yield	644	484	1088	693	1052	1087	1189	1416	1483	1387	1386	1467	782
Umaria	Area	0.074	0.063	0.051	0.044	0.049	0.091	0.2	0.4	0.7	1.2	2.1	2.9	9.5
	Prod.	0.033	0.024	0.025	0.019	0.019	0.033	0.058	0.2	0.3	0.8	0.7	1	1.6
	Yield	446	381	490	432	388	363	290	500	429	667	333	345	168
Vidisha	Area	134.9	103.5	125.1	134.8	124.9	143.4	180.3	193	217.9	249.2	242.3	289.8	317.8
	Prod.	125.8	88.4	106.9	140.6	141	140.2	181.3	209.6	255.6	277.3	290.5	321.9	321.5
	Yield	933	854	855	1043	1129	978	1006	1086	1173	1113	1199	1111	1012

Maharashtra		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ahmednagar	Area	7.6	15.1	17.9	35.5	37.5	49	0.6	55.5	58	50.7	58.6	56.8	65.9
	Prod.	9	18.8	18.5	51.8	38.8	64.5	0.8	40.1	53.2	90.8	122.7	28.1	74.5
	Yield	1184	1245	1034	1459	1035	1316	1333	723	917	1791	2094	494	1130
Akola	Area	31.3	27.2	30.8	50.3	54.1	59.8	0.8	137.5	151.5	126.6	140.6	151	187.1
	Prod.	30.6	40.9	37.5	31	38.9	98.4	1.6	28.3	147	238.4	167.7	290.4	191.9
	Yield	978	1504	1218	616	719	1646	2000	206	970	1883	1193	1923	1025
Amravati	Area	153.2	156.5	155	167.1	181.2	216.7	2.9	373	317.6	273.3	296.7	309.5	366.4
	Prod.	143.6	150	216.1	80	204.4	323.6	4.9	124.2	256.9	444.5	373.1	471.8	352.7
	Yield	937	959	1394	479	1128	1493	1690	333	809	1626	1257	1525	963
Aurangabad	Area	1.9	2.7	4.6	5.7	8.6	10	0.086	6.2	5.1	7.7	7.8	7.8	11.5
	Prod.	2	4.1	6.2	5.4	10.3	15.6	0.1	5.1	5.7	16.4	11.1	5.8	12.5
	Yield	1053	1519	1348	947	1198	1560	1163	823	1118	2130	1420	743	1083
Beed	Area	6.9	16.5	25.5	27.9	36.1	42.1	0.5	71.4	68.8	70.4	76.4	76.4	93.5
	Prod.	7.4	22.5	25.9	24.4	39.7	34.5	0.2	14.5	35.4	96.6	118.1	127	174.2
	Yield	1073	1364	1016	875	1100	820	400	203	515	1372	1546	1662	1863
Bhandara	Area	7.2	9.3	8.2	9.5	8.5	8.6	0.09	8.4	7.9	7	6.9	7.1	7
	Prod.	8.2	9.7	13.8	8.9	7.6	7.2	0.1	10	6.4	12.1	4.7	5.7	2.8
	Yield	1139	1043	1683	937	894	837	1111	1191	810	1729	687	808	403
Buldhana	Area	70.5	78.6	87.9	141.2	162.5	172.7	1.9	240	212.8	225.5	258.8	279.5	323.2
	Prod.	102	98.4	149.9	132.1	85.5	216.9	3.8	68.7	156.5	416.1	374.2	430.3	479
	Yield	1447	1252	1705	936	526	1256	2000	286	735	1845	1446	1540	1482
Chandrapur	Area	113.8	123	136.7	164.6	161.7	172.5	1.6	181.9	179.8	148.3	146.8	142.1	142.1
	Prod.	151.5	143.4	162.4	161.5	173.7	211.3	2.2	119.7	62.1	148.6	129.7	145.1	88.4
	Yield	1331	1166	1188	981	1074	1225	1375	658	345	1002	884	1021	622
Dhule	Area	2.3	1.5	1.7	1.7	2.7	3.1	0.054	14.6	19.9	21.1	11	11.4	12
	Prod.	4.3	2	2.7	2.9	2.8	2.7	0.08	10.6	18.6	47.1	17.7	18.3	16.2
	Yield	1870	1333	1588	1706	1037	871	1482	726	935	2232	1610	1606	1346

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Gadchiroli	Area	2.2	2.8	2.7	3.1	3.1	3.4	0.039	8.2	8.7	7.5	5.9	5.2	5.2
	Prod.	2.6	2.5	3.6	3.1	1.8	4.2	0.042	6.1	3.1	6.9	7.2	6.3	3.8
	Yield	1182	893	1333	1000	581	1235	1077	744	356	920	1221	1218	735
Gondia	Area	--	0.1	0.1	0.1	--	--	--	--	--	--	--	--	--
	Prod.	--	0.1	0.1	0.1	--	--	--	--	--	--	--	--	--
	Yield	--	1000	1000	1000	--	--	--	--	--	--	--	--	--
Hingoli	Area	25.2	32	117.7	129.3	139.5	131.1	1.1	129.9	137.4	148.3	146.7	150.5	170
	Prod.	35.1	48.6	185.5	103.5	180.8	113.7	2	76.3	123.9	237.4	204.2	286.7	186
	Yield	1393	1519	1576	801	1296	867	1818	587	902	1601	1392	1905	1094
Jalgaon	Area	3.1	3.4	3.6	8.5	14.6	27.1	0.2	18.1	19.1	12.9	15.8	15	15
	Prod.	4.3	8.6	8.8	18	26.5	51.3	0.5	33.8	41.8	26.2	31.6	25.6	26.5
	Yield	1387	2529	2444	2118	1815	1893	2500	1867	2189	2031	1997	1705	1764
Jalna	Area	5.1	6.2	11.7	15.9	30.2	30.6	0.3	37.4	39.3	49.3	60.3	62.4	74.6
	Prod.	3.9	10.2	14.8	15	35.7	36.8	0.5	23	45.6	80	90	43.6	123.6
	Yield	765	1645	1265	943	1182	1203	1667	615	1160	1623	1493	699	1657
Kolhapur	Area	62.2	61.5	68.2	74.7	70.1	57.9	0.6	58.7	59.1	49.2	--	49	55.4
	Prod.	108.9	119.2	133.8	115.9	67.1	82.9	1.3	128.3	114.5	137.1	--	127.5	132.5
	Yield	1751	1938	1962	1552	957	1432	2167	2186	1937	2787	--	2602	2392
Latur	Area	14.1	21.6	112.2	152.8	173.1	155.4	1.8	211.1	217.7	194.5	265.4	265.4	308.4
	Prod.	10.3	24.9	121.3	88.9	249.8	43.3	2.1	91	142.6	431.8	437.2	625.4	670.4
	Yield	731	1153	1081	582	1443	279	1167	431	655	2220	1648	2356	2174
Nagpur	Area	193.3	206.9	218.5	234.8	244.8	263.5	2.8	303.2	285.1	242.4	241.2	237.1	232.8
	Prod.	193.3	222.9	277.5	172.1	257.5	346.6	3.8	257.2	219.8	287.1	157.3	238.6	99.9
	Yield	1000	1077	1270	733	1052	1315	1357	848	771	1184	652	1006	429
Nanded	Area	21.3	39.7	68.5	110.3	156.4	169.1	1.6	163.2	188.3	181.2	183	185	213.2
	Prod.	34.3	54.7	87.3	103.5	144.4	118.7	1.7	129.9	86.1	268.4	233.8	283.4	274.4
	Yield	1610	1378	1275	938	923	702	1063	796	457	1481	1277	1532	1287
Nandurbar	Area	2.1	1.6	1.4	4	6.3	9.3	0.2	27.1	30	33.1	32.3	24.4	28
	Prod.	1.9	2.5	2.1	5.1	8.8	8.6	0.2	34.5	39.8	53.6	57.5	49.2	33.3
	Yield	905	1563	1500	1275	1397	925	1000	1273	1327	1619	1782	2017	1190

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Nashik	Area	5.5	7.5	8.9	20.3	23.3	31.5	0.4	39.7	55.1	56.9	58.6	52.4
	Prod.	10	7.9	20	37.4	46.6	47.3	0.6	51.1	65.4	80.9	81.5	82.7
	Yield	1818	1053	2247	1842	2000	1502	1500	1287	1187	1422	1391	1559	1578
Osmanabad	Area	3.6	4.7	23.3	27.2	33.5	32.4	0.4	26.2	46.1	65.2	90.8	111.7
	Prod.	0.7	5.2	10.1	33.3	36.3	19.5	0.5	7	22.4	111.4	137.4	101.3
	Yield	194	1106	434	1224	1084	602	1250	267	486	1709	1513	907
Parbhani	Area	16.1	26.9	41.9	48.5	68.6	78.4	0.8	74	103.5	107.9	129.8	135.3
	Prod.	19.9	46.7	63.9	30.3	69.8	91.9	1.1	64.6	82	165.2	154.5	186.9
	Yield	1236	1736	1525	625	1018	1172	1375	873	792	1531	1191	1382
Pune	Area	0.4	0.4	0.6	1.2	1.8	1.9	0.03	2.4	3.3	2.9	3.9	4.2
	Prod.	0.5	0.7	2	3.6	3.8	3.6	0.052	3.7	4.7	5.8	8.2	8.1
	Yield	1250	1750	3333	3000	2111	1895	1733	1542	1424	2000	2109	1935
Sangli	Area	60.1	61.9	40.8	82.6	72.4	60.8	0.6	55.7	56	57.3	59.8	63
	Prod.	92.6	103.6	80.1	150.1	98	89.9	1.3	119.9	84.9	119.6	99.9	100.6
	Yield	1541	1674	1963	1817	1354	1479	2167	2153	1516	2087	1671	1597
Satara	Area	14	15.6	15.1	26.4	31.3	28.7	0.3	29.2	32.5	40.1	46.1	38.8
	Prod.	26.7	30.8	24.9	48.5	38.7	31.1	0.5	62.9	65	65.4	75	69.3
	Yield	1907	1974	1649	1837	1236	1084	1667	2154	2000	1631	1627	1787
Solapur	Area	0.4	0.7	0.6	2.1	1.1	2.1	0.028	2.5	3.2	4.3	5.1	5.5
	Prod.	0.5	0.5	0.7	4.7	0.8	3.3	0.039	2.3	2.8	5.3	12.2	11.5
	Yield	1250	714	1167	2238	727	1571	1393	920	875	1233	2400	2087
Wardha	Area	128.6	159.8	173.8	195.5	214.7	230.5	2.3	249.9	178.9	137.8	173	176.7
	Prod.	166.8	169.2	253.9	202	233.9	277.8	3.1	146.1	104	151.6	150.6	188.7
	Yield	1297	1059	1461	1033	1089	1205	1348	585	581	1100	871	1068
Washim	Area	83.3	91.1	113.3	185.1	196.6	204.8	2.1	226.4	222.6	209.2	219.1	200.3
	Prod.	124.2	117.7	153.9	164.7	186.7	252.9	3.3	77.3	80.2	298.7	290.6	338.2
	Yield	1491	1292	1358	890	950	1235	1571	341	360	1428	1326	1688
Yavatmal	Area	69.6	80.7	97.9	176.3	212.5	268.1	2.7	311.8	311.8	198.5	221.4	236.8
	Prod.	90.4	109.7	141.9	94.6	236.8	293.5	3.3	103.7	126.6	273.1	298.1	389.1
	Yield	1299	1359	1449	537	1114	1095	1222	333	406	1376	1346	1643

Meghalaya

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
East Garo Hills	Area	0.1	0.1	0.1	--	0.098	0.093	0.1	--	0.1	0.1	0.2
	Prod.	0.1	0.1	0.097	0.099	0.095	0.081	0.092	--	0.1	0.1	0.18
	Yield	1000	1000	970	990	969	871	920	--	1000	1000	1011
East Khasi Hills	Area	0.2	0.2	0.2	0.2	0.2	0.2	0.2	--	0.2	0.2	0.321
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	--	0.2	0.2	0.4
	Yield	1000	1000	1000	1000	1000	1000	1000	--	1000	1000	1181
Meghalaya	Area	--	--	--	--	1.1	--	--	--	--	--	--
	Prod.	--	--	--	--	1	--	--	--	--	--	--
	Yield	--	--	--	--	909	--	--	--	--	--	--
Ri Bhoi	Area	0.1	0.2	0.2	0.2	0.2	0.2	0.2	--	0.2	0.2	0.2
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	--	0.2	0.2	0.3
	Yield	2000	1000	1000	1000	1000	1000	1000	--	1000	1000	12
South Garo Hills	Area	0.008	0.008	0.008	0.008	0.008	0.008	0.007	--	0.011	0.012	0.014
	Prod.	0.009	0.008	0.01	0.008	--	0.01	0.01	--	0.012	0.015	0.028
	Yield	1125	1000	1250	1000	--	1250	1250	--	1091	1250	2000
West Garo Hills	Area	0.1	0.1	0.1	0.1	--	0.1	0.1	--	0.1	0.1	0.2
	Prod.	0.078	0.082	0.081	0.087	--	0.09	0.1	--	0.1	0.1	1.2
	Yield	780	820	810	870	--	900	990	--	1000	1000	5693
West Jaintia Hills	Area	0.4	0.4	0.4	0.4	--	0.4	0.4	--	0.4	0.4	--
	Prod.	0.4	0.4	0.4	0.4	--	0.4	0.4	--	0.5	0.5	--
	Yield	1000	1000	1000	1000	--	1000	1000	--	1250	1250	--
West Khasi Hills	Area	0.018	0.016	0.016	0.016	--	0.022	0.025	--	0.025	0.028	0.044
	Prod.	0.011	0.01	0.01	0.011	--	0.017	0.022	--	0.026	0.03	0.042
	Yield	611	625	625	688	--	773	762	--	1040	1071	955

Mizoram

District		2001-02	2002-03	2003-04	2004-05	2005-06
Aizawl	Area	0.7	0.6	0.4	0.4	0.4
	Prod.	0.7	0.6	0.4	0.7	0.8
	Yield	1000	1000	1000	1750	2000
Champhai	Area	0.063	0.1	0.1	0.2	0.2
	Prod.	0.062	0.094	0.3	0.1	0.2
	Yield	984	940	3000	500	1000
Kolasib	Area	0.3	1	0.7	0.4	0.4
	Prod.	0.2	0.9	0.6	1.3	1.3
	Yield	667	900	857	3250	3250
Lawngtlai	Area	--	--	--	0.047	0.055
	Prod.	--	--	--	0.04	0.05
	Yield	--	--	--	851	909
Lunglei	Area	0.2	0.2	0.3	0.2	0.2
	Prod.	0.3	0.3	0.4	0.2	0.3
	Yield	1500	1500	1333	1000	1500
Mamit	Area	--	--	0.3	0.2	0.1
	Prod.	--	--	0.2	0.2	0.1
	Yield	--	--	667	1000	1000
Saiha	Area	--	--	0.1	0.081	0.088
	Prod.	--	--	0.099	0.067	0.1
	Yield	--	--	990	827	1136
Serchhip	Area	--	--	--	0.02	0.035
	Prod.	--	--	--	0.013	0.026
	Yield	--	--	--	650	743

Nagaland		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Dimapur	Area	--	2.7	4.4	4.7	5.5	5.1	2.2	2	2	2	2	2	2
	Prod.	--	4	4.5	6	5.7	6.2	4.3	3.3	2.1	2.5	2.5	2.5	2.5
	Yield	--	1482	1023	1277	1036	1216	1955	1650	1050	1250	1250	1250	1250
Kohima	Area	1.2	2.1	1.9	2.2	2	1.9	2.4	2	2	2	2	2	2
	Prod.	2.8	3.9	2.8	5	3	2.3	2.7	2.7	2	2.5	2.6	2.6	2.6
	Yield	2333	1857	1474	2273	1500	1211	1125	1350	1000	1250	1300	1300	1300
Mokokchung	Area	2.2	2.8	1.6	2.1	1.4	1.4	1.7	1.1	1.1	1.1	1.1	1.1	1.1
	Prod.	2.8	3.5	2.2	3.3	1.5	1.6	1.8	1.6	1.1	1.3	1.3	1.3	1.3
	Yield	1273	1250	1375	1571	1071	1143	1059	1455	1000	1182	1182	1182	1182
Mon	Area	2.6	3	3.2	3.7	3.2	3.1	3.4	3	3	3	3	3.1	3.1
	Prod.	3	3.4	4.6	5.7	3.3	3.7	3.9	4.5	3.1	3.7	3.8	3.8	3.8
	Yield	1154	1133	1438	1541	1031	1194	1147	1500	1033	1233	1267	1226	1226
Nagaland	Area	--	--	--	--	--	--	--	--	--	--	--	--	24.8
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	31.1
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	1254
Phek	Area	2.1	3	3.5	3.8	2.3	2.1	2.6	2.1	2.1	2.1	2.1	2.1	2.1
	Prod.	3.1	4.3	4.7	6.8	3.8	2.6	2.9	2.9	2.1	2.6	2.7	2.7	2.7
	Yield	1476	1433	1343	1790	1652	1238	1115	1381	1000	1238	1286	1286	1286
Tuensang	Area	2	2.3	4.5	5	4.6	4.5	4.9	2.1	2.1	2.1	2.1	2.1	2.1
	Prod.	2.4	3.7	6.8	7.5	4.5	5.4	5.6	3	2.2	2.6	2.6	2.6	2.6
	Yield	1200	1609	1511	1500	978	1200	1143	1429	1048	1238	1238	1238	1238
Wokha	Area	4	3.1	2.1	2.5	1.6	1.3	1.8	1.5	1.5	1.5	1.5	1.5	1.5
	Prod.	5.5	4	2.7	3.9	1.8	1.6	1.8	2.5	1.5	1.8	1.8	1.8	1.8
	Yield	1375	1290	1286	1560	1125	1231	1000	1667	1000	1200	1200	1200	1200
Zunheboto	Area	4	7.1	4.8	6.1	6.2	6.1	7.6	7.5	7.5	7.5	7.5	7.6	7.6
	Prod.	5.4	8.3	7.8	9.8	8.3	7.3	8.3	11.2	7.7	9.7	9.6	9.7	9.8
	Yield	1350	1169	1625	1607	1339	1197	1092	1493	1027	1293	1280	1276	1290

Rajasthan		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Ajmer	Area	0.001	0.054	0.002	--	0.022	--	0.022	0.029	0.021	0.01	0.002
	Prod.	0.001	0.027	0.003	--	0.025	--	0.03	0.028	0.025	0.014	0.003
	Yield	1000	500	1500	--	1136	--	1364	966	1191	1400	1500
Alwar	Area	0.002	0.001	--	--	0.003	0.001	0.001	--	0.001	--	--
	Prod.	0.002	--	--	--	0.003	0.001	0.001	--	0.001	--	--
	Yield	1000	--	--	--	1000	1000	1000	--	1000	--	--
Banswara	Area	9.4	8.4	8.1	13.4	15.9	17.7	22.4	24	19	19	20.4
	Prod.	12.4	14.7	13.1	15.3	15.1	14.7	25	16.8	15.4	18.3	15.5
	Yield	1319	1750	1617	1142	950	831	1116	700	811	963	757
Baran	Area	138.4	66.3	91.4	120.5	147.5	121.2	200.2	208.7	194.4	195.1	234.3
	Prod.	155.3	17.8	124.5	229.4	197.8	174.4	270.1	191.4	224.3	357.1	444.7
	Yield	1122	269	1362	1904	1341	1439	1349	917	1154	1830	1898
Bharatpur	Area	0.002	0.002	--	0.01	0.004	0.001	0.001	--	--	--	0.017
	Prod.	0.002	0.001	--	0.014	0.005	0.001	0.001	--	--	--	0.026
	Yield	1000	500	--	1400	1250	1000	1000	--	--	--	1529
Bhilwara	Area	0.5	0.6	0.4	1.4	5.8	4	3.1	3.6	3.5	2.6	5.6
	Prod.	0.6	0.3	0.5	2	6.7	4.8	3.4	4.1	2.4	3.8	6.7
	Yield	1200	500	1250	1429	1155	1200	1097	1139	686	1462	1185
Bikaner	Area	--	--	0.006	--	--	--	--	--	--	--	--
	Prod.	--	--	0.009	--	--	--	--	--	--	--	--
	Yield	--	--	1500	--	--	--	--	--	--	--	--
Bundi	Area	45.5	48	46.5	40.4	72.3	61.3	76	76.5	55.5	55.2	76.1
	Prod.	55.2	16.4	64.7	47.9	99.2	92.1	102.9	74.5	37.8	79.8	96.5
	Yield	1213	342	1391	1186	1372	1502	1354	974	681	1446	1267
Chittorgarh	Area	112.6	108.5	101.8	135.1	163.4	152.5	140.1	45.7	37.2	36.3	48.7
	Prod.	107.5	81.8	151.3	135.1	150.6	136.6	157	56.5	36.7	46.4	73.6
	Yield	955	754	1486	1000	922	896	1121	1236	987	1278	1511

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Dholpur	Area	0.001	--	0.007	--	0.011	0.003	--	--	--	0.003
	Prod.	0.001	--	0.01	--	0.013	0.004	--	--	--	0.004
	Yield	1000	--	1429	--	1182	1333	--	--	--	1333
Dungapur	Area	0.019	0.027	0.009	0.2	0.3	0.3	0.3	0.7	0.8	1.2
	Prod.	0.02	0.014	0.013	0.2	0.3	0.4	0.6	1	1	1.8
	Yield	1053	519	1444	1000	1000	1333	857	1250	1500	1544
Ganganagar	Area	--	0.001	0.003	--	--	--	--	--	--	--
	Prod.	--	--	0.004	--	--	--	--	--	--	--
	Yield	--	--	1333	--	--	--	--	--	--	--
Hanumangarh	Area	--	--	--	--	--	0.005	0.006	--	--	--
	Prod.	--	--	--	--	--	0.007	0.006	--	--	--
	Yield	--	--	--	--	--	1400	1000	--	--	--
Jaipur	Area	0.005	--	--	0.023	--	--	--	--	--	--
	Prod.	0.006	--	--	0.033	--	--	--	--	--	--
	Yield	1200	--	--	1435	--	--	--	--	--	--
Jalore	Area	--	--	--	0.002	0.002	--	0.001	--	--	--
	Prod.	--	--	--	0.003	0.002	--	0.001	--	--	--
	Yield	--	--	--	1500	1000	--	1000	--	--	--
Jhalawar	Area	202	153	138.6	189.4	205.6	203.3	224.7	243.7	240.1	252.1
	Prod.	220.4	76.2	165.2	262.7	211.7	243.2	310.3	293.8	316.8	390.5
	Yield	1091	498	1192	1387	1030	1196	1381	1206	1320	1549
Jodhpur	Area	--	--	--	0.003	--	--	--	--	--	--
	Prod.	--	--	--	0.004	--	--	--	--	--	--
	Yield	--	--	--	1333	--	--	--	--	--	--
Karauli	Area	0.002	0.001	--	0.001	0.002	0.006	0.019	--	--	--
	Prod.	0.003	0.001	--	0.001	0.002	0.007	0.026	--	--	--
	Yield	1500	1000	--	1000	1000	1167	1368	--	--	--

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Kota	Area	145.2	85.2	105.5	118.4	127.3	75.4	124.4	132.2	122.3	112.2	147.0
	Prod.	162	28.3	169.8	189.5	167.7	98.6	196.8	111.6	145.6	153.6	220.7
	Yield	1116	332	1610	1601	1317	1308	1582	844	1191	1369	1501
Nagaur	Area	0.001	0.001	--	--	--	--	--	0.001	0.001	--	--
	Prod.	0.001	0.001	--	--	--	--	--	0.001	0.001	--	--
	Yield	1000	1000	--	--	--	--	--	1000	1000	--	--
Pali	Area	0.002	0.006	0.002	0.02	0.005	0.005	0.002	0.001	--	--	--
	Prod.	0.002	0.003	0.003	0.028	0.006	0.006	0.003	0.001	--	--	--
	Yield	1000	500	1500	1400	1200	1200	1500	1000	--	--	--
Rajsamand	Area	0.004	--	0.014	0.099	0.03	0.012	0.029	0.001	0.001	--	--
	Prod.	0.004	--	0.02	0.1	0.035	0.015	0.039	0.001	--	--	--
	Yield	1000	--	1429	1010	1167	1250	1345	1000	--	--	--
Sawai Madhopur	Area	1.4	0.6	0.6	0.8	2.1	0.9	1.5	1.4	0.7	0.8	3.0
	Prod.	1.6	0.3	0.9	1.1	2.4	1.1	1.8	1.8	0.8	1.1	3.3
	Yield	1143	500	1500	1375	1143	1222	1200	1286	1143	1375	1123
Sikar	Area	--	--	--	0.001	--	--	0.001	--	--	--	--
	Prod.	--	--	--	0.001	--	--	0.001	--	--	--	--
	Yield	--	--	--	1000	--	--	1000	--	--	--	--
Sirohi	Area	--	--	--	--	--	--	--	--	--	0.003	--
	Prod.	--	--	--	--	--	--	--	--	--	0.004	--
	Yield	--	--	--	--	--	--	--	--	--	1333	--
Tonk	Area	0.054	0.02	0.02	0.04	0.083	0.094	0.087	0.2	0.086	0.067	0.1
	Prod.	0.059	0.01	0.028	0.057	0.095	0.1	0.1	0.1	0.1	0.098	0.2
	Yield	1093	500	1400	1425	1145	1064	1149	500	1163	1463	1548
Udaipur	Area	0.8	1	0.9	2.1	4	4.6	4.8	1.6	1.8	1.8	1.9
	Prod.	0.8	0.5	1.3	3	4.6	5.5	3.4	1.6	1.1	2.6	2.9
	Yield	1000	500	1444	1429	1150	1196	708	1000	611	1444	1511

Sikkim

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
East Sikkim	Area	1	0.7	0.8	0.8	0.7	0.6	0.7	1	1	0.9
	Prod.	0.8	0.5	0.6	0.7	0.7	0.5	0.6	0.9	1	0.9
	Yield	800	714	857	875	1000	833	857	900	1000	1000
North Sikkim	Area	0.4	0.4	0.4	0.4	0.3	0.04	0.3	0.6	0.5	0.3
	Prod.	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.3
	Yield	750	500	750	750	1000	7500	1000	833	800	1000
South Sikkim	Area	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.7	1.5	1.5
	Prod.	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.5	1.3	1.3
	Yield	857	857	857	857	1000	846	846	882	867	867
West Sikkim	Area	1.4	1.4	1.4	1.3	1.3	0.5	1.3	0.8	1.2	1.2
	Prod.	1.1	1	1.1	1.1	1.1	0.4	1.1	0.7	1.1	1
	Yield	786	714	786	846	846	800	846	875	917	833

Telangana

District		2013-14	2014-15
Adilabad	Area	113.6	105.9
	Prod.	131.3	87.6
	Yield	1156	827
Karimnagar	Area	12.3	16.5
	Prod.	19.8	17.9
	Yield	1610	1081
Khammam	Area	0.091	--
	Prod.	0.147	--
	Yield	1610	--
Mahbubnagar	Area	--	0.004
	Prod.	--	0.004
	Yield	--	1081
Medak	Area	15.6	21.6
	Prod.	21.8	22.3
	Yield	1395	1033
Nalgonda	Area	0.008	--
	Prod.	0.013	--
	Yield	1610	--
Nizamabad	Area	99.8	97.5
	Prod.	215.6	133.4
	Yield	2160	1368
Ranga Reddy	Area	1.0	0.647
	Prod.	1.5	0.699
	Yield	1610	1081
Warangal	Area	0.15	0.45
	Prod.	0.242	0.486
	Yield	1610	1081

Uttar Pradesh		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Allahabad	Area	0.045	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.033	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	733	--	--	--	--	--	--	--	--	--	--	--	--
Auraiya	Area	--	--	0.001	0.001	--	--	--	0.008	0.008	--	--	--	--
	Prod.	--	--	0.001	0.001	--	--	--	0.008	0.008	--	--	--	--
	Yield	--	--	1000	1000	--	--	--	1000	1000	--	--	--	--
Azamgarh	Area	--	--	--	--	--	--	--	--	--	--	--	0.002	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	0.003	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	1500	--
Bahraich	Area	0.011	0.007	--	0.056	--	0.02	0.072	--	--	0.066	0.053	0.053	0.051
	Prod.	0.008	0.001	--	0.023	--	0.019	0.048	--	--	0.081	0.066	0.075	0.029
	Yield	727	143	--	411	--	950	667	--	--	1227	1245	1415	569
Banda	Area	0.1	0.062	0.045	0.1	0.029	0.2	0.2	0.076	0.1	0.086	0.1	0.032	0.3
	Prod.	0.1	0.01	0.048	0.057	0.023	0.2	0.1	0.066	0.1	0.1	0.2	0.045	0.1
	Yield	1000	161	1067	570	793	1000	500	868	1000	1163	2000	1406	333
Barabanki	Area	0.007	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.005	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	714	--	--	--	--	--	--	--	--	--	--	--	--
Bareilly	Area	--	--	0.016	0.022	0.016	0.018	0.053	--	0.088	--	0.035	0.025	--
	Prod.	--	--	0.017	0.009	0.013	0.017	0.036	--	0.093	--	0.044	0.035	--
	Yield	--	--	1063	409	813	944	679	--	1057	--	1257	1400	--
Bijnor	Area	0.016	--	0.003	0.005	0.005	0.005	--	--	--	--	--	--	--
	Prod.	0.012	--	0.003	0.002	0.004	0.005	--	--	--	--	--	--	--
	Yield	750	--	1000	400	800	1000	--	--	--	--	--	--	--

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Budaun	Area	--	0.017	--	0.016	--	0.012	0.007	--	--	--	--	--
	Prod.	--	0.003	--	0.007	--	0.012	0.005	--	--	--	--	--
	Yield	--	177	--	438	--	1000	714	--	--	--	--	--
Chitrakoot	Area	0.02	--	0.005	0.013	0.003	0.007	--	0.08	0.01	0.1	0.067	0.064
	Prod.	0.015	--	0.006	0.006	0.002	0.005	--	0.084	0.012	0.1	0.095	0.037
	Yield	750	--	1200	462	667	1000	714	1050	1200	1000	1418	578
Deoria	Area	0.006	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.004	--	--	--	--	--	--	--	--	--	--	--
	Yield	667	--	--	--	--	--	--	--	--	--	--	--
Etah	Area	--	--	0.002	0.001	0.002	0.001	--	--	--	--	--	--
	Prod.	--	--	0.002	0.001	0.001	0.001	--	--	--	--	--	--
	Yield	--	--	1000	1000	500	1000	--	--	--	--	--	--
Fatehpur	Area	--	--	--	0.006	--	--	--	--	0.002	--	--	--
	Prod.	--	--	--	0.002	--	--	--	--	0.002	--	--	--
	Yield	--	--	--	333	--	1000	--	--	1000	--	--	--
Hamirpur	Area	0.2	0.051	0.059	0.1	0.013	0.1	0.016	0.009	0.014	0.013	0.017	0.1
	Prod.	0.1	0.008	0.063	0.053	0.01	0.1	0.011	0.009	0.017	0.016	0.024	0.058
	Yield	500	157	1068	530	769	1000	688	1000	1214	1231	1412	580
Hardoi	Area	0.041	0.022	0.013	0.013	--	0.013	--	--	--	--	--	0.002
	Prod.	0.03	0.004	0.014	0.005	--	0.013	--	--	--	--	--	0.001
	Yield	732	182	1077	385	--	1000	--	--	--	--	--	500
Jalaun	Area	0.9	0.3	0.5	1	0.3	0.9	0.7	--	0.021	0.048	0.035	0.043
	Prod.	0.6	0.053	0.6	0.4	0.3	0.9	0.5	--	0.026	0.06	0.049	0.025
	Yield	667	177	1200	400	1000	1000	714	750	1238	1250	1400	581

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mahoba	Area	0.2	0.074	0.068	0.2	0.011	0.066	--	0.028	0.1	0.1	1	0.7	1.5
	Prod.	0.2	0.012	0.073	0.072	0.009	0.064	--	0.024	0.1	0.2	1.2	1.1	0.9
	Yield	1000	162	1074	360	818	970	--	857	1000	2000	1200	1571	600
Mathura	Area	--	--	0.001	--	--	--	--	--	--	--	--	--	--
	Prod.	--	--	0.001	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	1000	--	--	--	--	--	--	--	--	--	--
Mirzapur	Area	0.006	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.004	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	667	--	--	--	--	--	--	--	--	--	--	--	--
Moradabad	Area	--	--	0.001	0.003	0.001	--	--	--	--	--	--	--	--
	Prod.	--	--	0.001	0.001	0.001	--	--	--	--	--	--	--	--
	Yield	--	--	1000	333	1000	--	--	--	--	--	--	--	--
Muzaffarnagar	Area	--	--	0.002	0.01	--	0.01	--	--	--	--	--	--	--
	Prod.	--	--	0.002	0.004	--	0.01	--	--	--	--	--	--	--
	Yield	--	--	1000	400	--	1000	--	--	--	--	--	--	--
Pilibhit	Area	0.001	--	0.005	0.001	0.017	0.001	0.018	0.013	0.049	0.1	0.3	0.2	0.9
	Prod.	0.001	--	0.006	--	0.013	0.001	0.012	0.011	0.051	0.1	0.4	0.2	0.5
	Yield	1000	--	1200	--	765	1000	667	846	1041	1000	1333	1000	556
Raebareli	Area	0.002	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.001	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	500	--	--	--	--	--	--	--	--	--	--	--	--
Rampur	Area	0.006	--	0.002	0.02	0.005	0.02	--	0.011	0.068	--	0.1	0.1	0.1
	Prod.	0.004	--	0.002	0.008	0.004	0.019	--	0.009	0.072	--	0.1	0.1	0.059
	Yield	667	--	1000	400	800	950	--	818	1059	--	1000	1000	590

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sant Ravidas Nagar	Area	--	--	--	0.001	--	--	--	--	--	--	--	--	--
	Prod.	--	--	--	0.001	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	1000	--	--	--	--	--	--	--	--	--
Shahjahanpur	Area	0.074	0.081	0.2	0.065	0.2	0.056	0.026	--	0.036	0.1	0.1	0.018	0.018
	Prod.	0.053	0.013	0.2	0.027	0.1	0.055	0.017	--	0.038	0.2	0.1	0.025	0.01
	Yield	716	161	1000	415	500	982	654	--	1056	2000	1000	1389	556
Shravasti	Area	--	--	--	--	--	--	--	0.042	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	0.036	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	857	--	--	--	--	--
Siddharthnagar	Area	0.02	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.015	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	750	--	--	--	--	--	--	--	--	--	--	--	--
Sitapur	Area	0.006	0.009	--	0.028	--	0.013	--	--	--	--	--	--	--
	Prod.	0.004	0.001	--	0.011	--	0.013	--	--	--	--	--	--	--
	Yield	667	111	--	393	--	1000	--	--	--	--	--	--	--
Unnao	Area	--	--	--	0.002	--	0.002	--	--	--	--	--	--	--
	Prod.	--	--	--	0.001	--	0.002	--	--	--	--	--	--	--
	Yield	--	--	--	500	--	1000	--	--	--	--	--	--	--

Uttarakhand		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Almora	Area	0.5	0.3	0.3	0.3	0.2	0.2	0.4	0.4	0.4	0.3	0.4	0.5	0.4
	Prod.	0.2	0.2	0.5	0.4	0.1	0.2	0.5	0.4	0.5	0.4	0.6	0.6	0.5
	Yield	400	667	1667	1333	500	1000	1250	1000	1250	1333	1500	1200	1250
Bageshwar	Area	0.2	--	0.075	0.06	--	0.02	0.007	0.045	0.007	0.07	0.2	0.042	0.026
	Prod.	0.1	--	0.1	0.072	--	0.025	0.009	0.054	0.009	0.093	0.3	0.059	0.037
	Yield	500	--	1333	1200	--	1250	1286	1200	1286	1329	1500	1405	1423
Chamoli	Area	0.2	0.3	0.5	0.2	0.3	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
	Prod.	0.1	0.2	0.7	0.3	0.2	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4
	Yield	500	667	1400	1500	667	800	750	1000	1000	1000	1000	1000	1000
Champawat	Area	1.7	1.1	1.1	0.1	--	0.4	1.1	0.9	0.6	--	--	0.3	0.1
	Prod.	1.1	0.6	1.8	0.2	--	0.4	1	0.9	0.6	--	--	0.3	0.1
	Yield	647	546	1636	2000	--	1000	909	1000	1000	--	--	1000	1000
Dehradun	Area	0.023	0.008	0.011	0.009	0.005	0.014	0.007	0.007	0.01	0.014	0.013	0.012	0.007
	Prod.	0.014	0.004	0.014	0.011	0.004	0.011	0.006	0.005	0.007	0.012	0.011	0.017	0.006
	Yield	609	500	1273	1222	800	786	857	714	700	857	846	1417	857
Haridwar	Area	--	--	--	0.002	0.005	--	--	0.003	--	--	--	--	--
	Prod.	--	--	--	0.002	0.003	--	--	0.003	--	--	--	--	--
	Yield	--	--	--	1000	600	--	--	1000	--	--	--	--	--
Nainital	Area	4.4	6.8	8.5	8.7	8	5.6	5.4	4.1	5	5.4	5.6	5.7	6.1
	Prod.	3	4.7	8	12.1	9.8	8.6	8.2	5.8	9.9	10.2	10.8	15.5	11
	Yield	682	691	941	1391	1225	1536	1519	1415	1980	1889	1929	2719	1803
Pauri Garhwal	Area	0.4	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3
	Prod.	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.093	0.2	0.2
	Yield	500	667	750	1000	500	500	1000	667	667	750	233	667	667
Pithoragath	Area	1.2	1.5	1.1	1.3	1.7	1.1	1.1	1.1	0.9	0.7	0.6	0.9	0.7
	Prod.	0.8	0.9	1.7	1.7	2.9	1.7	1.5	1.3	1.3	1.1	0.9	1.3	1
	Yield	667	600	1546	1308	1706	1546	1364	1182	1444	1571	1500	1444	1429

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Rudraprayag	Area	0.073	0.04	0.046	0.07	0.065	0.038	0.064	0.072	0.1	0.057	0.037	0.085
	Prod.	0.037	0.018	0.091	0.07	0.036	0.022	0.058	0.068	0.1	0.055	0.035	0.07
	Yield	507	450	1978	1000	554	579	906	944	1000	965	946	824
Tehri Garhwal	Area	0.7	0.5	0.5	0.6	0.7	0.5	0.8	0.8	0.4	0.5	0.7	0.6
	Prod.	0.3	0.2	0.4	0.6	0.4	0.3	0.9	0.8	0.4	0.4	0.6	0.5
	Yield	429	400	800	1000	571	600	1125	1000	1000	800	857	833
Udham Singh Nagar	Area	0.1	0.4	1.4	1.4	1.3	0.2	0.2	0.1	0.088	0.04	0.2	0.2
	Prod.	0.099	0.3	1.1	2	2.1	0.3	0.3	0.2	0.2	0.047	0.3	0.3
	Yield	990	750	786	1429	1615	1500	1500	2000	2273	1175	1500	1500
Uttarkashi	Area	0.3	0.2	0.1	0.099	0.044	0.4	0.2	0.2	0.048	0.2	0.4	0.2
	Prod.	0.2	0.091	0.2	0.1	0.028	0.3	0.2	0.1	0.048	0.2	0.4	0.2
	Yield	667	455	2000	1010	636	750	1000	500	1000	1000	1000	1000

West Bengal

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bankura	Area	0.011	0.003	0.011	0.007	0.003	0.003	0.004	--	8.2	10.2	11.1	11.3
	Prod.	0.006	0.001	0.007	0.003	0.001	0.001	0.001	--	6.7	8.1	9.0	8.7
	Yield	546	333	636	429	333	333	250	--	817	798	806	776
Bardhaman	Area	0.01	0.01	0.01	0.003	0.011	0.012	0.011	0.022	20.3	20.3	21.8	23.2
	Prod.	0.006	0.008	0.008	0.002	0.009	0.011	0.01	0.017	20.091	17.6	25.5	23.5
	Yield	600	800	800	667	722	917	909	773	991	866	1168	1013
Birbhum	Area	0.005	0.017	--	0.045	0.032	0.041	0.042	0.049	32.4	32.3	31.3	33.5
	Prod.	0.002	0.008	--	0.021	0.016	0.022	0.023	0.027	29.2	29.8	29.3	34.5
	Yield	400	471	--	467	500	537	548	551	901	923	934	1028
Darjeeling	Area	0.5	0.5	--	0.5	0.5	0.5	0.5	0.5	0.2	0.3	0.4	0.4
	Prod.	0.3	0.3	--	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.3
	Yield	600	600	--	600	600	600	600	600	847	380	591	651

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI-<http://eands.dacnet.nic.in/>
Various State DES websites and State Department of Agriculture websites.

5. SESAME

5.1 World Area, Production and Yield of Sesame

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1986	6637	2269	342
1987	6316	2246	356
1988	6436	2164	336
1989	6360	2108	332
1990	6133	2379	388
1991	6446	2225	345
1992	6488	2453	378
1993	6671	2278	341
1994	6418	2258	352
1995	6629	2520	380
1996	7077	2782	393
1997	6461	2569	398
1998	6005	2552	425
1999	6752	2583	383
2000	7218	2775	384
2001	6973	3118	447
2002	6211	2831	456
2003	6993	3196	457
2004	7389	3469	470
2005	7469	3472	465
2006	7395	3664	495
2007	7035	3744	532
2008	7586	3821	504
2009	7864	3966	504
2010	8279	4388	530
2011	8621	4734	549
2012	8086	5293	655
2013	9416	4848	515
2014	10560	5469	518

Source: <http://faostat3.fao.org>

5.2 Area, Production and Yield of Sesame in Major Countries of the World

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Bangladesh	Area	36.8	39	39	38.9	30.7	36	33.5	32.9	35.6	37	37	45	40
	Prod.	22	25	25.5	37.2	39.2	29.2	27	28.5	32.3	33	34	45	42
	Yield	598	641	654	956	1277	811	806	866	907	889	892	919	1000	1050
China	Area	759.2	759.5	688.1	625	594.2	486.6	472.6	476.9	448.4	438.2	437.8	420.2	502.1
	Prod.	804.7	895.8	593.6	704.3	625.8	662.6	557.5	586.7	622.9	605.8	640	624.8	612.2
	Yield	1060	1180	863	1127	1053	1163	1146	1241	1306	1383	1462	1487	1219
Ethiopia	Area	42.4	58.8	91.5	91.5	136.2	205.2	211.3	185.9	315.8	337.5	239.5	299.7	420.5
	Prod.	18.9	38.9	62	61.5	115.4	148.9	149.4	186.8	260.5	244.8	181.4	220.2	288.8
	Yield	446	662	678	672	847	726	707	1005	825	725	757	735	687
Guatemala	Area	52.5	53.6	55	50.4	52.5	52.5	51.4	34.9	34.2	30.2	37.8	38.4	34
	Prod.	31.8	32.4	34	41.7	43.9	36.9	35.8	31.4	38	39.5	51.1	52.9	37
	Yield	606	605	618	827	836	703	697	900	1111	1308	1352	1378	1088
India	Area	1670.6	1444.4	1700.3	1844	1723.2	1647	1799	1809.1	1942.1	1910	1820	1860	2000
	Prod.	697.8	441.3	782.1	674.1	641.1	618	756.9	640.3	588.4	810	685	636	811
	Yield	418	306	460	366	372	375	421	354	303	424	376	342	406
Mexico	Area	70.9	37.4	55.6	55.6	37.7	38.5	48.2	48.4	51.9	71.3	58.9	63.6	96.3
	Prod.	42.9	20.2	31	33.1	20	21.3	29.1	29.7	28.5	40.6	42	41.5	64.9
	Yield	605	540	558	595	531	553	604	614	549	569	713	653	674
Myanmar	Area	1240	1159	1267	1328	1337.9	1187	1367	1431	1569.2	1594.1	1116	1143.2	1073.2
	Prod.	376	399.3	501.1	541.5	503.8	689.9	780.5	840	853.4	867.8	521.7	539.8	519.4
	Yield	303	345	396	408	377	581	571	587	544	565	468	472	484

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nigeria	Area	153	166	167	165	196	299.3	317.1	308.2	324.6	153.3	499.1	526.9	559.9
	Prod.	74	73	80	78	100	117.7	121.6	119.7	149.4	91.5	994.8	585	435
	Yield	484	440	479	473	510	393	384	388	460	597	1993	1110	777
Pakistan	Area	135.6	88	59.7	66.5	82	71.4	90.6	79.9	77.7	75.7	71	81.6	80
	Prod.	69.6	19.3	24.7	29.8	35.1	32.8	41	33.4	31	30.2	29.2	32.4	32
Republic of Korea	Yield	513	219	414	448	428	429	453	418	399	399	411	397	400
	Area	43.5	44.2	35	31.8	34	31.3	28.8	34.9	27.2	25.6	25.1	23.2	28.4
	Prod.	31	23.8	12	20.9	23.5	17.5	19.5	12.8	12.7	9.5	9.7	12.4	12.2
Somalia	Yield	713	539	343	657	691	559	677	367	467	371	387	535	430
	Area	56.5	60	63	71.9	89.4	62.4	58.6	71.3	72	72	75	85	83.6
	Prod.	27.6	28.4	30	38.2	50.8	50.2	49.8	64.2	65	65	80	90	90.6
Sudan	Yield	489	473	476	531	568	798	923	900	903	903	1067	1059	1084
	Area	--	--	--	--	--	--	--	--	--	--	--	--	2532
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	721
Syrian Arab Republic	Yield	--	--	--	--	--	--	--	--	--	--	--	--	285
	Area	5.3	13.3	12.8	8.6	6.3	7.2	5.2	4.4	5.7	3.3	1.6	0.5	0.4
	Prod.	2.8	7.3	7.5	4.4	4.6	4.5	3.2	2.9	7.6	3.7	1	0.3	0.3
Thailand	Yield	528	549	586	512	730	615	659	1333	721	1121	625	600	750
	Area	63	63.3	63.5	63.7	64.8	65	65.4	65.6	66.1	66.2	48.1	44.8	42.5
	Prod.	38.6	39.5	40.5	41	42.1	41.1	42.9	44.3	46	48.8	30.1	29.1	28.8
Turkey	Yield	613	624	638	644	650	656	675	699	719	737	626	650	678
	Area	50	48	44	43	42.5	39.9	29.8	28.6	31.8	26.6	29.2	24.8	26.4
	Prod.	23	22	22	23	26	26.5	20	20.3	21	18	16.2	15.5	17.7
Yield	460	458	500	535	612	664	671	710	750	739	677	555	625	671

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Uganda	Area	203	211	240	255	276	280	286	292	280	283	207	207	207.2
	Prod.	102	106	120	125	161	168	173	178	183.8	216.1	124	124.2	124.3
	Yield	503	502	500	490	601	601	605	610	656	764	599	600	600
Africa	Area	2511.1	2177.7	2659.1	2825.3	3226.1	2655.3	3144.1	3127	3340.8	3737.4	2422.8	2620.3	6226.7
	Prod.	769.2	705.9	912.2	1026.9	1105.7	1173	1267	1405.6	1544.9	1834.8	2336.8	1874.5	2996.7
	Yield	306	324	343	364	373	442	403	450	462	491	965	715	481
America	Area	255.1	178.9	195.4	251.9	288.4	235.6	243.2	263.3	272.9	285.7	245.2	211.4	291.3
	Prod.	157.6	119.4	124.7	163.3	179.4	154.1	152.1	166.2	160.3	170.8	158.9	160.1	194.8
	Yield	618	667	638	648	622	665	654	625	631	587	648	757	669
Asia	Area	4206.7	3853.9	4138.2	4311.4	3914.6	4143.4	4198	4473.6	4665.2	4426.2	3821.5	3877.2	4042.2
	Prod.	2191.1	2003.6	2157.7	2277	2185.1	2298	2415.8	2400	2681.8	2662.9	2156.5	2123.5	2273.6
	Yield	521	520	521	528	518	587	583	572	535	602	564	548	563
Europe	Area	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
	Prod.	0.1	1.6	1.8	1.9	1.4	1.3	1.2	1.5	1.6	1.9	2.5	3.3	3.8
	Yield	1000	5333	6000	6333	4667	4333	4000	5000	5333	6333	12500	16500	19000
World	Area	6973	6210.8	6993	7388.9	7469	7034.6	7585.6	7864.2	8279.2	8449.6	6489.7	6709.1	10560
	Prod.	3118	2830.5	3196.4	3469.1	3471.6	3664	3744.1	3820.6	3965.8	4670.4	4654.7	4161.4	5468.9
	Yield	447	456	457	470	465	495	532	504	504	553	717	620	518

Source: <http://faostat3.fao.org>

5.3 All India Area, Production and Yield of Sesame

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield	Year	Area	Production	Yield
1949-50	2046	438	214	1982-83	2216.7	551.7	249
1950-51	2203	438	199	1983-84	2203.6	558.8	254
1951-52	2405	452	188	1984-85	2117.4	520.7	246
1952-53	2377	471	198	1985-86	2217.4	501	226
1953-54	2570	563	219	1986-87	2163.8	447.7	207
1954-55	2626	603	230	1987-88	2153.3	583.1	271
1955-56	2275	460	202	1988-89	2447.9	681.8	279
1956-57	2172	438	202	1989-90	2386.5	745.1	312
1957-58	2094	359	171	1990-91	2515.5	835.3	332
1958-59	2250	514	228	1991-92	2626.8	705.9	269
1959-60	2136	370	173	1992-93	2128.6	758.3	356
1960-61	2169	318	147	1993-94	2217.4	563.7	254
1961-62	2252	372	165	1994-95	1971.5	586.7	298
1962-63	2552	492	193	1995-96	1825.9	531	291
1963-64	2412	439	182	1996-97	1991.7	640	321
1964-65	2486	484	195	1997-98	1660	570	343
1965-66	2480	425	171	1998-99	1609	530	329
1966-67	2793.4	416	148.9	1999-00	1560.2	479.9	308
1967-68	2654.3	445	167.7	2000-01	1720	520	302
1968-69	2422.8	422.5	174.4	2001-02	1670.6	697.8	418
1969-70	2308.7	448.1	194.1	2002-03	1444.4	441.3	306
1970-71	2433.2	562.3	231.1	2003-04	1700.3	782.1	460
1971-72	2391.5	449.5	188	2004-05	1844	674.1	366
1972-73	2288.4	385.4	168.4	2005-06	1723.2	641.1	372
1973-74	2385.8	484.3	203	2006-07	1703.2	618.4	363
1974-75	2234.3	392.2	175.5	2007-08	1799.1	756.9	421
1975-76	2170.1	479.2	220.8	2008-09	1809.1	640.3	354
1976-77	2278.8	421.9	185.1	2009-10	1942.1	588.4	303
1977-78	2384.3	520.2	218.2	2010-11	2083.2	893	429
1978-79	2389.1	514.1	215.2	2011-12	1901.5	810.2	426
1979-80	2377.2	347.7	146.3	2012-13	1705.8	685	402
1980-81	2471.9	445.8	180.3	2013-14	1678.9	714.6	426
1981-82	2593.2	590.2	227.6	2014-15	1778.5	811.0	456

Source: Various issues Agricultural Statistics at a Glance, Directorate of Economics and Statistics, Dept. of Agriculture, Co-operation and Farmers Welfare Ministry of Agriculture and Farmers Welfare, GOI - <http://eands.dacnet.nic.in/>

5.4 State-wise Area, Production and Yield of Sesame

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Andhra Pradesh	Area	132.3	115.0	161.0	210.0	116.0	114.0	113.0	80.0	90.0	125.0	67.0	85.0	109.0
	Prod.	26.7	18.0	43.0	38.0	29.0	29.0	27.0	19.0	20.0	26.0	21.0	29.0	33.0
	Yield	202	157	267	181	250	254	239	238	222	208	278	313	341	303
Arunachal Pradesh	Area	1.3	1.3	1.3	1.3	1.1	1.1	1.2	1.6	1.1	1.1	1.7	1.6	-
	Prod.	1.0	1.0	0.9	0.9	0.7	0.7	0.8	1.3	0.7	0.8	-	1.3	-
	Yield	769	769	692	692	636	636	667	813	636	727	-	819	-
Assam	Area	15.0	14.0	14.0	13.2	13.9	13.0	13.0	12.2	12.8	11.9	11.4	11.7	12.0
	Prod.	8.0	8.0	8.0	7.5	7.7	8.0	7.0	6.9	7.2	6.7	8.0	8.6	8.0
	Yield	533	571	571	568	554	615	538	566	563	566	702	732	667
Bihar	Area	3.1	3.8	3.8	3.5	3.6	3.3	3.3	2.3	2.3	2.7	2.2	2.3	3.1
	Prod.	2.0	2.7	2.8	2.7	2.9	2.5	2.6	1.8	1.8	2.1	2.0	2.0	2.7
	Yield	645	711	737	771	806	758	788	783	779	778	882	873	872
Chhatisgarh	Area	23.6	24.8	25.1	22.8	24.3	22.6	21.5	21.0	20.4	19.9	18.8	17.8	17.6
	Prod.	5.7	6.4	7.1	6.9	7.2	6.8	6.8	6.4	9.0	6.6	5.5	5.0	6.7
	Yield	242	258	283	303	296	301	316	305	441	332	293	281	382
D & N Haveli	Area	-	-	-	-	-	-	-	-	-	0.0	0.1	0.0	-
	Prod.	-	-	-	-	-	-	-	-	-	0.0	0.1	0.0	-
	Yield	-	-	-	-	-	-	-	-	-	1000	604	1000	-
Gujarat	Area	379.6	344.1	402.4	371.9	364.0	355.0	300.0	238.5	225.0	289.0	132.0	236.0	204.0
	Prod.	226.6	123.2	240.8	117.1	143.0	71.0	141.0	84.9	80.0	127.0	34.0	121.0	95.0
	Yield	597	358	598	315	393	200	470	356	356	439	258	513	466

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Haryana	Area	5.1	9.7	3.6	4.0	4.4	3.0	3.3	3.0	3.0	3.5	2.8	1.3	2.0
	Prod.	1.7	4.2	1.0	1.7	1.5	1.3	1.3	1.0	1.2	1.6	1.0	0.7	1.0
Himachal Pradesh	Yield	333	433	278	425	341	433	394	333	400	457	357	538	500
	Area	4.5	4.5	4.0	3.0	3.8	3.6	3.3	2.9	3.2	3.1	2.7	1.9	2.7
Himachal Pradesh	Prod.	2.1	1.9	2.0	1.0	1.5	1.3	1.2	0.3	1.1	1.1	1.0	0.7	0.9
	Yield	467	422	500	333	395	361	364	104	344	339	354	348	355
Jammu & Kashmir	Area	6.2	6.4	6.3	6.8	2.6	6.2	5.4	4.6	4.6	4.3	4.8	4.9	4.6
	Prod.	2.6	2.7	2.7	2.9	1.2	2.6	2.3	2.0	2.0	1.9	2.1	2.2	1.8
Jharkhand	Yield	419	422	429	426	462	419	426	439	441	439	436	436	382
	Area	14.8	7.1	9.0	9.0	9.1	5.4	4.0	4.3	4.4	6.2	8.3	5.6	6.4
Jharkhand	Prod.	7.4	2.8	2.0	2.0	2.9	2.4	1.3	1.3	1.6	2.3	2.9	2.1	2.3
	Yield	500	394	222	222	319	444	325	303	364	366	354	375	359
Karnataka	Area	73.1	74.4	58.5	108.0	103.0	87.0	56.0	76.0	87.0	62.0	73.0	41.0	44.0
	Prod.	27.1	29.3	25.7	56.0	87.0	48.0	32.0	31.0	51.0	31.0	38.3	23.0	22.0
Karnataka	Yield	371	394	439	519	845	552	571	408	586	500	524	561	500
	Area	0.9	0.8	1.2	0.6	0.6	0.5	0.6	0.6	0.5	0.2	0.3	0.3	0.2
Kerala	Prod.	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1
	Yield	333	375	250	333	333	400	500	329	400	450	377	333	362
Madhya Pradesh	Area	132.2	126.7	144.5	135.3	150.1	231.3	209.6	202.4	290.6	294.9	314.5	266.9	359.0
	Prod.	40.4	29.4	50.9	53.8	58.1	87.6	87.6	86.6	143.1	154.9	157.1	140.1	186.0
Madhya Pradesh	Yield	306	232	352	398	387	379	418	428	492	525	500	525	518
	Area	117.8	115.0	121.0	109.0	107.0	93.0	56.0	55.0	56.0	46.0	40.0	40.0	30.4
Maharashtra	Prod.	37.4	36.0	38.0	26.0	29.0	30.0	15.0	15.0	20.0	15.0	12.0	11.0	5.6
	Yield	317	313	314	239	271	323	268	273	357	326	300	275	184

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Manipur	Area	0.4	0.3	0.8	0.8	0.1	0.1	0.9	0.5	1.7	1.8	0.4	-	-
	Prod.	0.2	0.2	0.4	0.4	0.6	0.6	0.4	0.5	0.8	0.9	0.5	-	-
	Yield	500	667	500	500	6000	6000	444	1000	441	488	1457	-	-
Meghalaya	Area	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	-
	Prod.	0.7	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	2.0	-
	Yield	538	563	500	563	563	500	563	536	568	544	529	886	-
Mizoram	Area	4.0	2.9	3.3	3.6	2.2	1.6	1.7	1.1	1.4	1.0	0.7	0.8	-
	Prod.	1.7	1.8	2.0	2.3	1.7	1.5	0.3	1.1	0.7	0.6	0.5	0.6	-
	Yield	425	621	606	639	773	938	176	647	654	632	725	740	-
Nagaland	Area	5.0	5.0	5.0	0.5	5.5	5.3	6.5	4.8	3.0	3.5	3.5	3.6	-
	Prod.	4.0	4.5	5.0	0.3	3.8	3.5	3.7	2.9	1.5	2.1	2.1	2.2	-
	Yield	800	900	1000	600	691	660	569	604	500	605	602	602	-
Odisha	Area	51.7	43.5	37.7	48.0	54.7	50.3	48.4	37.7	45.5	26.5	21.7	23.5	25.8
	Prod.	11.4	7.0	7.8	11.0	13.0	10.6	10.2	7.3	10.5	11.6	4.8	5.3	6.7
	Yield	221	161	207	229	238	211	211	194	231	224	181	245	238
Pondicherry	Area	0.2	0.4	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	-
	Prod.	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	-
	Yield	500	750	1000	1000	500	500	1000	1000	810	802	803	1053	-
Punjab	Area	20.6	17.3	10.6	10.1	11.3	9.5	8.2	8.3	7.3	5.0	5.1	4.1	4.7
	Prod.	7.8	4.9	3.6	4.1	3.8	3.2	2.7	2.8	2.6	2.0	1.7	1.4	1.4
	Yield	379	283	340	406	336	337	329	337	356	404	333	341	298
Rajasthan	Area	316.4	190.5	311.8	446.7	422.1	273.3	314.9	521.2	547.0	512.8	415.2	360.6	330.0
	Prod.	103.3	11.4	141.2	148.7	62.8	88.7	126.9	152.5	97.2	166.3	122.1	72.1	112.6
	Yield	326	60	453	333	149	325	403	293	162	324	294	200	341

State		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Tamil Nadu	Area	84.0	64.5	83.8	72.7	65.1	52.6	74.4	63.7	62.7	48.2	43.2	33.2	56.6	69.3
	Prod.	46.0	28.0	29.0	33.8	30.6	27.3	27.3	32.3	29.2	25.4	26.4	17.2	33.7	41.2
	Yield	548	434	346	465	470	519	367	507	466	527	612	518	596	595
Tripura	Area	1.8	1.8	1.5	1.6	1.8	2.1	1.8	1.4	1.5	2.0	1.9	2.1	2.8	-
	Prod.	0.9	0.8	0.7	0.7	0.8	1.1	0.9	0.8	0.9	1.2	1.1	-	1.7	-
	Yield	500	444	467	438	444	524	500	571	570	587	567	-	606	-
Uttar Pradesh	Area	165.9	156.1	123.0	108.5	107.1	233.8	253.5	269.4	332.0	336.0	345.0	344.0	293.0	323.0
	Prod.	41.5	25.1	23.2	29.0	27.0	39.3	39.0	44.4	34.0	66.0	75.0	64.0	43.0	64.0
	Yield	250	161	189	267	252	168	154	165	102	196	217	186	147	198
Uttarakhand	Area	2.8	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.0
	Prod.	0.4	1.0	-	1.0	1.0	-	-	-	1.0	0.5	0.5	0.6	0.5	0.5
	Yield	143	500	-	333	500	-	-	-	500	234	229	272	269	270
West Bengal	Area	107.0	110.9	163.3	148.4	146.0	200.4	203.1	202.8	185.9	183.2	182.1	196.6	213.2	217.2
	Prod.	90.8	89.5	143.0	125.1	123.1	186.1	185.9	133.3	153.2	168.7	167.2	185.2	205.0	211.7
	Yield	849	807	876	843	843	929	915	657	824	921	918	942	961	975
A & N Islands	Area	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	200	-
Others	Area	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-	7.8
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	-	678
All India	Area	1670.6	1444.4	1700.3	1844.0	1723.2	1703.2	1799.1	1809.1	1942.1	2083.2	1901.6	1705.8	1678.9	1778.5
	Prod.	697.8	441.3	782.1	674.1	641.1	618.4	756.9	640.3	588.4	893.0	810.3	685.0	714.6	811.0
	Yield	418	306	460	366	372	363	421	354	303	429	426	402	426	456

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Co-operation and Farmers Welfare Ministry of Agriculture and Farmers Welfare, GOI.

<http://eands.dacnet.nic.in/>

Note : 2014-15 year figures are fourth advance estimates

5.5 District-wise Area, Production and Yield of Sesame

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Andhra Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Adilabad	Area	14.9	11.4	12.3	12.8	10.3	12.3	3	5.4	4.2	2.5	3
	Prod.	2.8	2.1	2.5	4.8	2.6	2.9	1	1.443	1.2	1.1	1
	Yield	188	184	203	375	252	236	333	190	222	286	440	328
Ananthapuramu	Area	0.002	--	--	--	--	--	--	--	--	--	--
	Prod.	0.001	--	--	--	--	--	--	--	--	--	--
	Yield	500	--	--	--	--	--	--	--	--	--	--
Chittoor	Area	0.6	0.6	0.8	2	0.6	0.5	--	0.5	0.7	0.388	0.355
	Prod.	0.227	0.122	0.154	0.786	0.231	0.157	--	0.146	0.236	0.134	0.213
	Yield	378	203	193	393	385	314	--	292	337	268	309	600
YSR Kadapa	Area	4.238	3.2	4.2	2.5	3.2	2.6	3	6.705	6.9	4.825	4.7
	Prod.	2.106	1.017	0.8	1.424	2.041	1.431	1	2.901	2.333	2.005	2.7
	Yield	497	318	191	570	638	550	333	433	338	344	519	575
East Godavari	Area	2.9	2.6	3	2.5	2.4	2.5	2	1.7	2.4	1.5	0.7
	Prod.	0.8	0.273	0.6	0.4	0.4	0.6	--	0.3	0.5	0.3	0.228
	Yield	276	105	200	160	167	240	--	177	208	200	156	326
Guntur	Area	7.8	6.383	17.6	9.6	4.7	2.083	2	0.535	2.015	6.7	3.8
	Prod.	1.325	0.615	5.1	3.5	0.583	0.616	1	0.206	1.103	0.8	1.5
	Yield	170	96	290	365	124	296	500	385	547	119	395	263
Karimnagar	Area	3.5	2.4	3.6	3.8	4.8	4.8	3	2.4	4.7	6.327	5.7
	Prod.	0.66	0.457	0.745	1.339	2.843	2.256	1	1	2.116	2.705	2.2
	Yield	189	190	207	352	592	470	333	417	450	428	386	521
Khammam	Area	8.1	9.5	13.5	8.1	7.6	5.5	5	5.1	4.4	5.3	2.5
	Prod.	1.3	1.4	2.1	1.9	1.9	1.3	2	1.5	0.8	1	0.5
	Yield	161	147	156	235	250	236	400	294	182	189	200	203

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Krishna	Area	2	1.7	4.7	1.8	1	0.6	--	0.4	0.7	1.5	0.7
	Prod.	0.347	0.155	1.3	0.294	0.144	0.131	--	0.098	0.135	0.339	0.145
	Yield	174	91	277	163	144	218	--	245	193	226	207
Kurmool	Area	0.174	0.293	0.478	0.3	0.3	0.9	--	0.633	0.666	0.419	0.412
	Prod.	0.055	0.059	0.114	0.093	0.106	0.451	--	0.208	0.211	0.204	0.303
	Yield	316	201	239	310	353	501	--	329	317	487	735
Mahabubnagar	Area	1	0.9	0.9	0.869	0.7	0.325	1	0.3	0.821	0.6	1
	Prod.	0.2	0.2	0.3	0.227	0.2	0.072	--	0.062	0.093	0.1	0.2
	Yield	200	222	333	261	286	222	--	113	143	333	330
Medak	Area	2.5	2.2	2.3	1.4	1.7	1.5	1	1.073	0.8	0.561	--
	Prod.	0.434	0.434	0.624	0.457	0.454	0.35	--	0.218	0.118	0.122	--
	Yield	174	197	271	326	267	233	--	203	148	218	--
Nalgonda	Area	6.2	8	13	12.72	10.526	7.562	7	2.931	1.44	1.4	1
	Prod.	0.4	0.5	3.13	1.808	2.81	1.32	1	0.508	0.213	0.2	0
	Yield	65	63	241	142	267	175	143	173	148	143	131
Nizamabad	Area	1.4	0.912	1.019	1.958	2.745	2.062	2	2.303	1.839	3.6	5
	Prod.	0.32	0.202	0.205	0.716	1.011	0.612	1	0.601	0.604	1.3	2
	Yield	229	222	201	366	368	297	500	261	328	361	421
Prakasam	Area	1.5	6.6	26.2	52.536	4.9	20.1	17	4.3	11.8	4.7	6
	Prod.	0.164	0.4	9.2	0.808	1.83	7.222	8	2.14	2.4	2	2
	Yield	109	61	351	15	374	359	471	498	203	426	333
Ranga Reddy	Area	1.4	1.2	1.2	1.5	1.2	0.9	1	0.6	0.6	0.212	--
	Prod.	0.3	0.2	0.4	0.4	0.3	0.2	--	0.1	0.06	0.071	--
	Yield	214	167	333	267	250	222	--	167	100	335	--
SPSR Nellore	Area	2.2	3.5	2.9	32	4.5	2.3	3	2.2	2.9	2.6	1.2
	Prod.	0.364	0.4	0.7	3.052	0.78	0.441	1	0.7	0.9	0.5	0.3
	Yield	166	114	241	95	173	192	333	318	310	192	250

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	
Srikakulam	Area	7.4	4.5	6.8	7.2	8	6.5	10	6.9	7.3	7.7	6.3	4.7
	Prod.	1.6	0.7	1.5	1.1	1	0.9	1	0.9	1	1.3	1.2	0.8
	Yield	216	156	221	153	125	139	100	130	137	169	191	170
Visakhapatnam	Area	14.6	9.1	7	10.4	7.9	8.4	8	7.2	4.4	6.5	6.7	6.3
	Prod.	2.6	1	1.3	2.8	1.6	1.5	2	1.7	0.7	1.2	1.2	1.7
	Yield	178	110	186	269	203	179	250	236	159	185	179	270
Vizianagaram	Area	29.7	17.9	12.9	23.1	20.4	16.1	30	19	19.3	15.2	19.8	13.7
	Prod.	5.7	2.4	2.3	3.4	3.5	3	3	2	4.8	2.9	3.3	3.1
	Yield	192	134	178	147	172	186	100	105	249	191	167	226
Warangal	Area	19.7	21.3	24.9	21.3	18.6	15.2	14	7.7	9.7	5.878	2.6	2
	Prod.	5.18	5.334	9.446	7.985	4.5	3.175	3	1.889	0.87	1.126	1.051	1
	Yield	263	250	379	375	242	209	214	245	90	192	404	412
West Godavari	Area	0.507	1.012	2.22	0.8	0.806	0.727	1	0.529	2.004	0.943	1.104	0.6
	Prod.	0.101	0.201	0.506	0.2	0.201	0.107	--	0.101	0.401	0.207	0.201	0.2
	Yield	199	199	228	250	249	147	--	191	200	220	182	333

Assam

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Baksa	Area	--	--	--	--	0.5	0.5	0.4	0.5	0.5
	Prod.	--	--	--	--	0.2	0.2	0.2	0.2	0.2
	Yield	--	--	--	--	400	400	500	400	400
Barpeta	Area	0.9	0.9	1	1	0.8	0.8	0.9	0.8	0.8
	Prod.	0.6	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.5
	Yield	667	556	600	600	625	625	667	625	625
Bongaigaon	Area	0.7	0.6	0.6	0.6	0.9	0.4	0.3	0.3	0.3
	Prod.	0.4	0.3	0.3	0.3	0.4	0.2	0.1	0.1	0.1
	Yield	571	500	500	500	444	500	333	333	333
Cachar	Area	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Prod.	0.056	0.056	0.062	0.094	0.1	0.092	0.097	0.095	0.093
	Yield	280	280	310	470	500	460	485	475	465
Chirang	Area	--	--	--	--	--	0.4	0.4	0.4	0.4
	Prod.	--	--	--	--	--	0.2	0.2	0.2	0.2
	Yield	--	--	--	--	--	500	400	500	500
Darrang	Area	1.1	1	1.1	1	0.3	0.4	0.6	0.7	0.7
	Prod.	0.7	0.6	0.7	0.6	0.2	0.2	0.4	0.4	0.4
	Yield	636	600	636	600	667	500	667	571	571
Dhemaji	Area	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
	Prod.	0.063	0.069	0.058	0.061	0.082	0.06	0.058	0.057	0.06
	Yield	630	690	580	610	410	600	580	570	600
Dhubri	Area	1.7	1.7	1.6	1.5	1.1	1	1	0.9	0.8
	Prod.	0.9	0.9	0.8	0.8	0.6	0.6	0.5	0.5	0.4
	Yield	529	529	500	533	546	546	500	556	500
Dibrugarh	Area	0.4	0.4	0.4	0.2	0.047	0.04	0.032	0.053	0.051
	Prod.	0.2	0.2	0.2	0.098	0.016	0.019	0.013	0.023	0.022
	Yield	500	500	500	490	340	475	406	434	431

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Dima Hasao	Area	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
	Prod.	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
	Yield	600	600	600	800	600	600	600	600	500	500
Goalpara	Area	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.5
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Yield	400	400	400	500	400	500	400	400	400	400
Golaghat	Area	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2
	Prod.	0.057	0.057	0.062	0.06	0.059	0.061	0.082	0.064	0.084	0.094
	Yield	570	570	310	300	590	305	820	640	420	470
Hailakandi	Area	0.055	0.06	0.06	0.065	0.06	0.065	0.065	0.07	0.067	0.06
	Prod.	0.022	0.024	0.024	0.026	0.024	0.02	0.024	0.025	0.023	0.022
	Yield	400	400	400	400	400	308	369	357	343	367
Jorhat	Area	0.1	0.1	0.099	0.099	0.2	0.081	0.08	0.072	0.071	0.072
	Prod.	0.047	0.047	0.046	0.045	0.084	0.038	0.036	0.031	0.032	0.039
	Yield	470	470	465	455	420	469	450	431	451	542
Kamrup	Area	1.8	1.7	1.5	0.7	0.7	0.4	0.4	0.3	0.3	0.3
	Prod.	0.8	0.7	0.6	0.3	0.3	0.2	0.2	0.1	0.1	0.1
	Yield	444	412	400	429	429	500	500	333	333	333
Kamrup Metropolitan	Area	--	--	--	--	--	0.086	0.1	0.085	0.088	0.087
	Prod.	--	--	--	--	--	0.034	0.054	0.034	0.036	0.036
	Yield	--	--	--	--	--	395	540	400	409	414
Karbi Anglong	Area	2.4	2.4	2.6	2.6	2.6	2.7	2.7	2.8	2.8	3.1
	Prod.	1.8	1.8	1.9	1.9	1.9	2	2	2	2	2.2
	Yield	750	750	731	731	731	741	741	714	714	710
Karimganj	Area	0.021	0.024	0.048	0.036	0.036	0.002	0.01	0.012	0.012	0.012
	Prod.	0.009	0.011	0.022	0.016	0.016	0.001	0.005	0.005	0.005	0.005
	Yield	429	458	458	444	444	500	500	417	417	417

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Kokrajhar	Area	0.7	0.7	0.7	1	0.8	0.8	0.7	0.3	0.3
	Prod.	0.4	0.4	0.4	0.6	0.5	0.5	0.4	0.2	0.2
	Yield	571	571	571	600	625	625	571	667	667
Lakhimpur	Area	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3
	Prod.	0.1	0.1	0.1	0.094	0.1	0.092	0.098	0.092	0.098
	Yield	250	250	250	313	250	307	327	307	327
Morigaon	Area	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
	Prod.	0.1	0.1	0.1	0.1	0.1	0.097	0.099	0.1	0.1
	Yield	333	333	333	333	500	485	495	500	500
Nagaon	Area	1	0.8	1	1	1.3	1.1	1.1	1	1
	Prod.	0.5	0.4	0.4	0.4	0.6	0.5	0.5	0.5	0.4
	Yield	500	500	400	400	462	455	455	500	400
Nalbari	Area	0.7	0.7	0.7	0.6	0.4	0.4	0.3	0.3	0.4
	Prod.	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
	Yield	571	429	429	500	500	500	667	667	500
Sivasagar	Area	0.071	0.068	0.064	0.065	0.041	0.036	0.042	0.042	0.043
	Prod.	0.023	0.023	0.019	0.02	0.012	0.011	0.012	0.014	0.014
	Yield	324	338	297	308	293	306	286	333	326
Sonitpur	Area	0.9	0.9	0.9	0.9	1	0.9	0.8	0.8	0.9
	Prod.	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
	Yield	667	667	667	667	600	667	625	625	556
Tinsukia	Area	0.063	0.077	0.076	0.066	0.061	0.083	0.082	0.082	0.077
	Prod.	0.028	0.034	0.034	0.029	0.027	0.036	0.035	0.035	0.033
	Yield	444	442	447	439	443	434	427	427	429
Udaiguri	Area	--	--	--	--	--	0.5	0.078	0.091	0.1
	Prod.	--	--	--	--	--	0.3	0.078	0.056	0.064
	Yield	--	--	--	--	--	600	1000	615	640

Bihar

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Ariaria	Area	0.032	0.029	0.03	0.032	--	0.012	0.027	0.023	0.005
	Prod.	0.016	0.015	0.022	0.025	--	0.009	0.021	0.017	0.004
	Yield	500	517	733	781	--	750	778	739	800
Anwal	Area	--	--	0.069	0.061	0.1	--	0.027	0.075	0.04
	Prod.	--	--	0.054	0.043	0.1	--	0.022	0.061	0.029
	Yield	--	--	783	705	1000	--	815	813	725
Aurangabad	Area	0.1	0.017	0.025	0.038	0.015	0.024	0.031	0.03	0.041
	Prod.	0.089	0.015	0.012	0.024	0.012	0.018	0.025	0.024	0.04
	Yield	890	882	480	632	800	750	807	800	976
Banka	Area	0.035	--	--	--	0.014	--	0.014	0.017	0.014
	Prod.	0.025	--	--	--	0.012	--	0.01	0.014	0.012
	Yield	714	--	--	--	857	--	714	824	857
Begusarai	Area	0.025	0.036	0.096	0.089	0.063	0.067	0.052	--	0.012
	Prod.	0.016	0.022	0.073	0.068	0.05	0.051	0.043	--	0.011
	Yield	640	611	760	764	794	761	827	--	917
Bhabha	Area	0.076	0.2	0.2	0.2	0.2	0.2	0.2	0.059	0.007
	Prod.	0.063	0.2	0.2	0.2	0.2	0.2	0.2	0.055	0.006
	Yield	829	1000	1000	1000	1000	1000	1000	932	857
Bhagalpur	Area	0.019	0.002	0.006	0.023	0.019	0.012	0.023	0.056	0.061
	Prod.	0.014	0.001	0.004	0.018	0.015	0.009	0.019	0.046	0.045
	Yield	737	500	667	783	790	750	826	821	738
Bhojpur	Area	0.082	0.082	0.001	0.032	0.084	0.1	0.2	0.1	0.074
	Prod.	0.068	0.061	0.001	0.025	0.078	0.1	0.1	0.1	0.065
	Yield	829	744	1000	781	929	1000	500	1000	878

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Buxar	Area	--	--	--	0.002	--	--	--	--	--	--
	Prod.	--	--	--	0.002	--	--	--	--	--	--
	Yield	--	--	--	1000	--	--	--	--	--	--
Darbhanga	Area	--	0.001	0.033	0.033	0.042	0.002	--	0.001	--	0.011
	Prod.	--	--	0.024	0.026	0.03	0.001	--	0.001	--	0.009
	Yield	--	--	727	788	714	500	--	1000	--	818
East Champaran	Area	0.3	0.1	0.012	0.085	0.085	0.066	0.073	0.076	0.084	0.073
	Prod.	0.2	0.068	0.009	0.065	0.069	0.051	0.059	0.06	0.056	0.058
	Yield	667	680	750	765	812	773	808	790	667	795
Gaya	Area	0.2	0.2	0.5	0.2	0.2	0.3	0.2	0.2	0.158	0.163
	Prod.	0.099	0.1	0.4	0.2	0.1	0.2	0.1	0.1	0.129	0.128
	Yield	495	500	800	1000	500	667	500	500	816	785
Gopalganj	Area	0.004	0.016	0.012	--	--	0.001	--	0.001	0.001	0.032
	Prod.	0.002	0.011	0.01	--	--	0.001	--	0.001	0.001	0.025
	Yield	500	688	833	--	--	1000	--	1000	1000	781
Jehanabad	Area	0.013	0.036	0.006	0.01	0.012	0.054	0.012	0.003	0.004	0.003
	Prod.	0.008	0.031	0.003	0.005	0.013	0.042	0.01	0.002	0.003	0.002
	Yield	615	861	500	500	1083	778	833	667	750	667
Katihar	Area	0.026	0.027	--	0.041	0.036	0.015	0.015	0.007	0.007	--
	Prod.	0.01	0.018	--	0.031	0.028	0.011	0.012	0.006	0.006	--
	Yield	385	667	--	756	778	733	800	857	857	--
Khagaria	Area	--	--	--	--	0.001	0.001	0.051	0.049	0.034	0.018
	Prod.	--	--	--	--	0.001	0.001	0.042	0.042	0.03	0.014
	Yield	--	--	--	--	1000	1000	824	857	882	778
Kishanganj	Area	0.6	0.7	0.6	0.6	0.4	0.3	0.2	0.2	0.286	0.244
	Prod.	0.4	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.224	0.192
	Yield	667	714	833	833	750	1000	1000	1000	783	787

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Madhepura	Area	0.022	0.037	0.031	0.023	0.025	0.007	0.061	0.065	0.098
	Prod.	0.014	0.027	0.024	0.017	0.021	0.005	0.049	0.051	0.039
	Yield	636	730	774	739	840	714	803	785	714	796
Madhubani	Area	0.056	0.1	0.07	0.071	0.067	0.063	0.1	0.1	0.123
	Prod.	0.038	0.1	0.048	0.051	0.045	0.042	0.1	0.1	0.095
	Yield	679	1000	686	718	672	667	1000	1000	772	789
Muzaffarpur	Area	0.027	0.006	0.016	0.025	0.04	0.029	0.017	0.021	0.022
	Prod.	0.018	0.003	0.012	0.019	0.032	0.023	0.014	0.016	0.019
	Yield	667	500	750	760	800	793	824	762	864	774
Nalanda	Area	0.02	0.049	0.056	0.054	0.029	0.1	0.079	0.098	0.033
	Prod.	0.011	0.037	0.044	0.044	0.026	0.092	0.056	0.081	0.03
	Yield	550	755	786	815	897	920	709	827	909
Nawada	Area	0.098	0.2	0.1	0.2	0.2	0.3	0.1	0.085	0.068
	Prod.	0.058	0.1	0.072	0.1	0.2	0.2	0.085	0.066	0.044
	Yield	592	500	720	500	1000	667	850	777	647
Patna	Area	--	--	--	--	--	0.019	--	0.028	0.019
	Prod.	--	--	--	--	--	0.015	--	0.025	0.017
	Yield	--	--	--	--	--	790	--	893	895
Purnia	Area	--	0.075	0.007	0.04	0.008	0.007	0.007	0.008	0.007
	Prod.	--	0.058	0.005	0.03	0.006	0.005	0.007	0.006	0.005
	Yield	--	773	714	750	750	714	1000	750	714
Rohtas	Area	0.2	0.4	0.6	0.4	0.3	0.3	0.056	0.082	0.009
	Prod.	0.1	0.4	0.5	0.3	0.3	0.2	0.051	0.077	0.009
	Yield	500	1000	833	750	1000	667	911	939	1000
Saharsa	Area	0.005	0.055	0.079	0.039	0.003	0.017	0.001	0.004	0.004
	Prod.	0.003	0.038	0.059	0.031	0.002	0.013	0.001	0.004	0.003
	Yield	600	691	747	795	667	765	1000	1000	750

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Samastipur	Area	0.4	0.6	0.5	0.5	0.5	0.5	0.2	0.56	0.834
	Prod.	0.2	0.4	0.4	0.3	0.4	0.4	0.1	0.38	0.657
	Yield	500	667	667	600	800	800	500	679	788
Saran	Area	--	0.001	0.009	0.003	0.004	--	--	0.006	
	Prod.	--	0.001	0.007	0.002	0.003	--	--	0.004	
	Yield	--	1000	778	667	750	--	--	667	
Sheikhpura	Area	--	--	--	--	0.3	--	--		0.002
	Prod.	--	--	--	--	0.2	--	--		0.002
	Yield	--	--	--	--	667	--	--		1000
Sitamarhi	Area	--	--	0.003	--	--	--	--		
	Prod.	--	--	0.002	--	--	--	--		
	Yield	--	--	667	--	--	--	--		
Siwan	Area	0.1	0.1	0.1	0.087	0.088	0.095	0.015	0.015	0.025
	Prod.	0.09	0.08	0.096	0.067	0.051	0.068	0.012	0.012	0.02
	Yield	900	800	960	770	797	773	716	800	800
Supaul	Area	0.5	0.3	0.2	0.2	0.2	0.3	0.1	0.177	0.173
	Prod.	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.135	0.136
	Yield	600	667	1000	1000	667	1000	1000	763	786
Vaishali	Area	0.022	0.044	0.013	0.02	0.036	0.043	0.045	0.029	0.017
	Prod.	0.016	0.025	0.009	0.016	0.029	0.027	0.031	0.028	0.013
	Yield	727	568	692	800	806	771	721	966	765
West Champaran	Area	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.313	0.172
	Prod.	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.27	0.136
	Yield	667	500	750	750	750	750	750	863	791

Chhattisgarh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bastar	Area	0.5	0.5	0.6	0.7	0.5	0.6	0.4	0.5	0.5	0.1	--	--
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.055	--	--
	Yield	400	400	400	500	286	333	500	400	400	550	--	--
Bilaspur	Area	0.9	0.8	0.8	1	0.7	0.7	0.7	0.6	0.7	0.7	0.03	0.08
	Prod.	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.01	0.02
	Yield	222	250	250	300	286	286	286	500	429	429	276	292
Dantewada	Area	2	1.9	2	1.9	2.2	1.2	1.3	1.5	1.7	0.023	--	--
	Prod.	0.5	0.6	0.6	0.5	0.6	0.5	0.4	0.5	0.6	0.009	--	--
	Yield	250	316	300	263	273	385	308	333	353	391	--	--
Dhamtari	Area	0.2	0.3	0.5	0.4	0.2	0.1	0.2	0.1	0.098	0.1	--	0.02
	Prod.	0.062	0.074	0.2	0.1	0.071	0.067	0.042	0.063	0.038	0.047	--	0.01
	Yield	310	247	400	250	355	335	420	630	388	470	--	375
Durg	Area	1.2	1.6	1.8	0.8	1.7	1	0.7	0.7	0.8	0.1	0.02	0.02
	Prod.	0.3	0.4	0.5	0.2	0.5	0.3	0.2	0.3	0.3	0.052	0.01	0.01
	Yield	250	250	278	250	294	300	286	333	429	520	261	333
Janjigi-Champa	Area	0.6	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.6	--	--
	Prod.	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	--	--
	Yield	167	222	222	250	250	250	375	429	429	500	--	--
Jashpur	Area	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	--	--
	Prod.	0.061	0.068	0.081	0.078	0.08	0.077	0.094	0.075	0.1	0.1	--	--
	Yield	305	340	270	260	267	257	313	250	500	500	--	--
Kabirdham (formerly Kawardha)	Area	1.7	1.7	1.5	1.4	1.1	0.9	1.1	0.7	0.7	0.6	--	--
	Prod.	0.4	0.5	0.3	0.4	0.3	0.2	0.3	0.2	0.3	0.2	--	--
	Yield	235	294	200	286	273	222	273	286	429	333	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kanker	Area	0.7	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.05	--
	Prod.	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.02	--
	Yield	286	167	286	429	286	333	333	667	571	667	426	--
Korba	Area	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.6	--	--
	Prod.	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	--	--
	Yield	188	267	250	250	250	188	250	333	313	313	--	--
Koriya	Area	1.4	1.3	1.5	1.4	1.4	1.3	1.4	1.3	1.3	1.2	--	--
	Prod.	0.3	0.2	0.4	0.4	0.4	0.3	0.4	0.5	0.3	0.4	--	--
	Yield	214	154	267	286	286	231	286	385	231	333	--	--
Mahasamund	Area	1	1.1	1.1	1	0.9	0.7	0.8	0.8	0.6	0.6	--	--
	Prod.	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	--	--
	Yield	300	273	182	300	300	333	286	375	375	333	--	--
Raigarh	Area	3.1	3.5	3.3	3.8	3.7	3	2.9	2.8	3.1	2.9	0.01	0.01
	Prod.	0.7	1	0.9	1.1	1.2	1	1.1	1.5	1.2	1.4	0	0
	Yield	226	286	273	290	324	313	367	536	387	483	0	0
Raipur	Area	3.4	3.3	3.2	3.2	2.8	2.7	2.7	2.4	2.4	0.3	0.01	0.03
	Prod.	0.8	0.9	0.9	1	0.9	0.8	0.8	1.1	0.8	0.088	0	0.01
	Yield	235	273	281	313	321	296	296	458	333	293	0	360
Rajnandgaon	Area	0.7	1.2	1	0.7	1.1	0.6	0.7	0.6	0.7	0.6	--	--
	Prod.	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.2	--	--
	Yield	286	250	300	286	273	333	333	500	286	333	--	--
Surguja	Area	4.4	4.4	4.6	4.7	4.8	4.6	4.9	4.4	4.4	0.3	--	--
	Prod.	1.1	1.2	1.4	1.6	1.5	1.5	1.6	1.8	1.2	0.092	--	--
	Yield	250	273	304	340	313	326	327	289	409	307	--	--

Gujarat

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmedabad	Area	4.1	10.4	15.3	14.3	10.8	8.4	7.7	4.7	4.8	3.2	1.6
	Prod.	2.3	4.6	8	2.7	2.8	2.1	2.1	1.3	1.9	1.4	0.8
	Yield	561	442	523	189	259	250	273	338	277	396	438	500
Amreli district	Area	36	35.2	43.5	41	26.7	30.3	19.3	16.3	20	13.9	7.7
	Prod.	26.9	19.9	25.1	7.5	12.5	9.9	9.4	4	9	5	3.4
	Yield	747	565	577	183	468	327	487	425	245	450	360	441
Anand	Area	--	--	1.3	1.4	1.2	1	1.1	1	1	0.9	1.1
	Prod.	--	--	0.8	0.4	0.4	0.2	0.4	0.3	0.4	0.4	0.3
	Yield	--	--	615	286	333	200	364	300	300	444	273
Banaskantha	Area	27.9	30.6	21	30.9	48.2	36.5	38	18.2	19.3	17.6	11.7
	Prod.	8	4.2	10.7	10	16.8	2.6	15.5	5.1	8.9	8.1	5.7
	Yield	287	137	510	324	349	71	408	280	461	460	487
Bharuch	Area	3.7	3.9	3.5	3.2	5	2.8	3.6	2.4	2	1.6	1
	Prod.	1.4	1.4	0.9	--	0.2	--	0.5	0.5	0.6	0.3	0.1
	Yield	378	359	257	--	40	--	139	121	208	188	98
Bhavnagar	Area	49.4	46.2	44.5	44.6	43.8	42	32.4	24.3	23.8	21.1	12
	Prod.	37.1	33.3	27.7	11.4	21.7	16.6	15.2	7.3	15.8	10.3	2.2
	Yield	751	721	623	256	495	395	469	473	300	488	183
Dahod	Area	--	--	1	1	1	1.1	1.3	0.3	0.3	0.1	0.3
	Prod.	--	--	0.6	0.3	0.4	0.2	0.5	0.1	0.1	0.1	0.1
	Yield	--	--	600	300	400	182	385	333	333	1000	333
Gandhinagar	Area	0.7	0.4	4	3.1	3.2	3.4	1.9	1.8	1.6	1.5	0.6
	Prod.	0.4	0.2	2.4	1.1	1.1	0.9	0.6	0.6	0.6	0.6	0.2
	Yield	571	500	600	355	344	265	316	333	375	400	333

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	
Jamnagar	Area	37.6	23.1	27.4	24.4	18.7	14.6	12.1	10.6	8.8	21.1	36.8	4.2
	Prod.	22.8	3.4	17.3	11	9	7.7	6.9	6.1	4.2	9.3	19.5	11
	Yield	606	147	631	451	481	527	570	576	477	441	530	2616
Junagadh	Area	8.7	6.8	5.1	3.5	3.6	3	1.5	2.2	1.5	38.1	26.9	2.1
	Prod.	7.5	1.9	5.4	2.5	1.5	0.6	0.9	0.7	0.5	19.3	14.3	14.2
	Yield	862	279	1059	714	417	200	600	318	333	507	532	6730
Kheda	Area	16	9.4	10.3	8.7	6.3	4.4	4.4	6	4.7	1.8	2.3	1.3
	Prod.	9.3	6.4	5.1	2.6	2.3	0.4	1	1.4	1.4	0.5	0.3	0.3
	Yield	581	681	495	299	365	91	227	233	298	278	130	231
Kutch	Area	26.6	16.1	41.7	32.2	32.5	40.9	42.3	24.9	39.2	48.3	31.7	24.4
	Prod.	13.2	3.1	25.1	15.1	17	20.5	21.3	9.2	19.5	18.4	13.8	9.2
	Yield	496	193	602	469	523	501	504	370	497	381	435	377
Mehsana	Area	14.3	15.8	12.9	12.9	12.3	14.8	14	10.8	9.3	8.2	6.9	3.8
	Prod.	4.4	8.4	6.5	5.1	4.4	2.3	5.6	4.9	3.9	2.9	2.4	1.3
	Yield	308	532	504	395	358	155	400	454	419	354	348	342
Narmada	Area	--	--	0.7	0.4	0.2	0.2	0.1	0.4	0.1	--	0.1	0.3
	Prod.	--	--	0.4	0.1	0.1	0.1	0.1	0.1	0.1	--	0.1	0.1
	Yield	--	--	571	250	500	500	1000	250	1000	--	1000	315
Navsari	Area	--	--	--	--	--	--	--	--	0.1	--	--	--
	Prod.	--	--	--	--	--	--	--	--	0.1	--	--	--
	Yield	--	--	--	--	--	--	--	--	1000	--	--	--
Panchmahal	Area	1.7	2.5	1.7	1.8	1.7	1.4	1.3	1.7	1.7	1.8	1.9	2.4
	Prod.	1	0.9	1	0.6	0.7	0.3	0.6	0.5	0.6	0.8	0.9	0.8
	Yield	588	360	588	333	412	214	462	294	353	444	474	339

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Patan	Area	--	4.2	3.7	5.5	6.5	6	6.3	7.7	3.8	2.9	2.6
	Prod.	--	2.5	1.1	2.1	1.3	2.6	2	1.5	1.6	1.9	1.1
	Yield	--	595	297	382	200	433	318	195	421	655	423
Porbandar	Area	--	0.9	0.6	0.7	0.6	0.2	0.2	--	4.8	3.2	0.4
	Prod.	--	0.6	0.2	0.3	0.2	0.1	0.1	--	2.5	1.4	0.1
	Yield	--	667	333	429	333	500	500	--	521	438	250
Rajkot	Area	60.7	43.8	38.7	33.5	20.1	18.1	16.6	19.7	29.3	30.6	21.1
	Prod.	41.6	11.2	20.7	7.2	13.3	3.8	7.7	5.6	9	8	3.3
	Yield	685	256	535	215	424	189	425	337	406	261	156
Sabarkantha	Area	7.7	9.4	8.7	7.2	8	6.2	4.5	2.4	2.5	1.4	1.7
	Prod.	2.5	4.9	3.8	2.2	3	0.3	1	0.6	1.4	0.4	0.4
	Yield	325	521	437	306	375	48	222	240	333	560	229
Surat	Area	0.1	0.2	0.3	0.2	0.1	--	0.1	--	1.7	0.4	--
	Prod.	0.1	0.1	0.2	0.1	0.1	--	0.1	--	0.8	0.3	--
	Yield	1000	500	667	500	1000	--	1000	--	471	750	--
Surendranagar	Area	82	87.9	113.9	101.5	101.6	88.9	76.6	60.7	51.9	41	28.3
	Prod.	46.6	18.5	74.9	35.3	32.2	34.7	23.4	20.3	21.5	26.2	9.1
	Yield	568	211	658	348	317	390	547	334	414	639	322
Tapi	Area	--	--	--	--	--	--	--	--	0.1	0.1	--
	Prod.	--	--	--	--	--	--	--	--	0.1	0.1	--
	Yield	--	--	--	--	--	--	--	--	1000	1000	--
Vadodara	Area	2.4	2.4	1.8	1.8	1.5	1.5	1.1	1.1	2.7	0.4	0.7
	Prod.	1.4	0.8	1.1	0.6	0.6	0.6	0.4	0.4	1.1	0.2	0.2
	Yield	583	333	611	333	400	177	400	364	407	500	285

Haryana

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ambala	Area	0.001	0.008	0.004	0.006	0.004	0.001	0.008	0.002	--	0.001	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--
Bhiwani	Area	0.2	0.4	0.2	0.3	0.2	0.6	0.2	0.5	0.8	0.3	0.091
	Prod.	--	0.1	--	0.1	--	0.2	0.1	0.2	0.3	0.1	0.032
	Yield	--	250	--	333	--	333	500	400	375	333	352
Faridabad	Area	0.6	--	0.5	0.2	0.3	0.2	0.2	0.038	0.2	0.091	0.049
	Prod.	0.1	--	0.1	0.1	0.1	0.1	0.1	--	0.1	--	0.019
	Yield	167	--	200	500	333	500	500	--	500	--	388
Fatehabad	Area	0.1	0.9	0.2	0.2	0.2	0.1	0.1	0.089	-	0.017	0.011
	Prod.	0.1	0.5	0.1	0.1	0.1	--	--	--	-	--	0.006
	Yield	1000	556	500	500	500	1000	--	--	-	--	546
Gurgaon	Area	1.8	1.5	0.7	0.8	0.3	0.5	0.2	0.7	0.4	0.2	0.4
	Prod.	0.4	0.2	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.2
	Yield	222	133	143	250	333	200	500	429	500	500	500
Hissar	Area	0.4	0.9	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.1	0.063
	Prod.	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.035
	Yield	500	667	667	667	500	500	667	500	1000	1000	556
Jhajjar	Area	0.035	0.087	0.044	0.073	0.026	0.054	0.029	0.031	0.014	0.038	0.027
	Prod.	--	--	--	--	--	--	--	--	--	--	0.011
	Yield	--	--	--	--	--	--	--	--	--	--	407
Jind	Area	0.2	0.9	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.069	0.057
	Prod.	0.1	0.2	0.1	0.1	--	0.1	0.1	--	--	--	0.024
	Yield	500	222	250	250	--	333	500	500	--	--	421

Karnataka

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Bagalkot	Area	0.9	1.2	0.5	0.9	1.4	1.3	1.4	2.4	2.47	1.949	0.037	0.988	
	Prod.	0.6	0.8	0.2	0.6	1.5	0.7	0.3	0.8	2.102	0.443	0.014	0.368	
	Yield	667	667	400	667	484	214	539	214	333	896	239	404	392
Bangalore Rural	Area	2.7	0.1	0.4	1.5	3.2	1.3	0.012	0.005	0.031	0.024	0.024	0.015	
	Prod.	1	0.046	0.2	0.8	2.7	0.6	0.007	0.001	0.018	0.012	0.006	0.009	
	Yield	370	460	500	533	844	462	583	500	400	614	530	272	603
Bangalore Urban	Area	0.056	0.007	--	0.1	0.053	0.056	0.021	0.019	0.036	0.084	0.016	0.015	
	Prod.	0.021	0.003	--	0.067	0.046	0.033	0.012	0.01	0.021	0.042	0.004	0.009	
	Yield	375	429	--	670	868	589	571	526	614	530	272	603	
Belgaum	Area	0.8	0.9	0.3	0.6	0.8	0.8	0.9	0.5	0.615	0.502	0.284	0.321	
	Prod.	0.3	0.3	0.1	0.3	0.7	0.3	0.2	0.1	0.023	0.065	0.026	0.073	
	Yield	375	333	333	500	875	375	222	200	46	174	136	97	241
Bellary	Area	4.1	5.8	2.7	6.5	6.3	6.2	4.8	2	2.075	0.541	0.085	0.544	
	Prod.	1.1	2.7	0.3	2.2	2.9	1.5	2.2	0.6	0.641	0.143	0.022	0.241	
	Yield	268	466	111	339	460	242	458	300	172	325	278	272	467
Bidar	Area	9.5	9.3	9.7	8.2	7.7	7.7	6.8	5.7	5.09	3.552	3.086	2.546	
	Prod.	2.2	5.2	5.5	3.7	2.9	3.9	3.4	2.2	1	2.229	1.336	1.171	
	Yield	232	559	567	451	377	507	500	386	170	461	396	575	484
Chamarajnagar	Area	0.9	0.9	0.6	1.6	1.3	1.1	1.7	2.3	2.1	2.965	2.314	1.929	
	Prod.	0.098	0.4	0.3	0.9	1.6	0.4	0.8	0.8	0.6	0.887	0.895	0.737	
	Yield	109	444	500	563	1231	364	471	348	286	315	483	238	402
Chikkamagaluru	Area	3.8	4.7	1.1	5.9	7.8	4.5	6	5.5	6.6	8.025	5.598	4.979	
	Prod.	1.4	1.3	0.4	3.7	10	4.1	4.5	4.1	4.5	7.41	2.5	1.994	3.122
	Yield	368	277	364	627	1282	911	750	746	682	972	583	660	
Chitradurga	Area	3.1	2.9	0.8	4.7	7.8	4.4	5.7	3.5	3.8	4.552	2.072	1.17	
	Prod.	2	1.4	0.071	2.7	8.8	4.1	4.9	2.2	2.9	3.127	1.875	0.569	
	Yield	645	483	89	575	1128	932	860	629	763	723	900	289	474

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Dakshina Kannada	Area	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.6	0.622	0.511	0.508	--
	Prod.	0.2	0.2	0.2	0.3	0.5	0.4	0.3	0.2	0.363	0.257	0.131	--
	Yield	400	400	500	600	833	500	667	500	333	614	530	272
Davanagere	Area	1.1	2.3	0.8	3.1	3.1	1.6	1.4	1	0.672	0.301	0.055	0.072
	Prod.	0.6	1.2	0.2	4.2	2.1	1.3	1	1.7	0.963	0.203	0.066	0.08
	Yield	546	522	250	1355	677	833	813	714	1700	1509	710	1262	1171
Dhanwad	Area	0.1	0.3	0.3	0.4	0.3	0.4	0.3	0.5	0.337	0.212	0.119	0.212
	Prod.	0.051	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.197	0.107	0.031	0.121
	Yield	510	333	333	500	1000	500	500	667	400	614	530	272	603
Gadag	Area	1	2.8	1.2	3	2	0.8	1.1	0.6	0.679	0.697	0.339	0.373
	Prod.	0.2	0.9	0.5	1.8	1.4	0.3	0.4	0.2	0.512	0.336	0.044	0.148
	Yield	200	321	417	600	700	375	364	333	235	794	507	138	419
Gulbarga	Area	16.6	13.5	14.5	17	16.8	17.7	17.8	7.7	15.782	5.72	5.694	5.419
	Prod.	4.9	4.9	8.3	5.7	13	6.8	9.3	2.3	5.278	2.744	2.651	3.202
	Yield	295	363	572	335	774	384	523	299	107	352	490	622
Hassan	Area	2.8	3.9	1.4	5	3.6	3.7	2.8	2.8	5.185	4.83	34.502	1.886
	Prod.	1.3	1.6	0.5	3.1	4.4	3.2	1.5	1.2	5.266	2.799	6.031	0.469
	Yield	464	410	357	620	1222	865	536	429	622	1069	610	184	262
Haveri district	Area	1	0.9	0.7	0.9	1	0.7	0.4	0.5	0.245	0.206	0.228	0.154
	Prod.	0.7	0.4	0.1	0.5	1	0.7	0.4	0.3	0.084	0.069	0.016	0.078
	Yield	700	444	143	556	1000	1000	1000	600	667	353	72	534
Kodagu	Area	--	--	--	--	0.01	0.01	0.008	0.005	--	--	--	--
	Prod.	--	--	--	--	0.009	0.006	0.004	0.003	--	--	--	--
	Yield	--	--	--	--	900	600	500	600	--	--	--	--
Koppal	Area	13.7	6.5	10.9	14.6	13.8	7.7	12	4.7	7.077	5.245	3.402	4.103
	Prod.	5.1	1.4	5.1	5.2	11.8	2.1	5.3	2.2	3.698	2.322	2.23	5.063
	Yield	372	215	468	356	855	273	442	468	165	466	690	1299

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mandya	Area	1.9	1.2	3.5	13.6	6.9	4.7	5.4	4.1	5.553	5.504	5.413	5.275
	Prod.	1	0.5	0.8	8.4	8.9	3.9	4.4	3.2	4.437	3.906	0.895	2.751
	Yield	526	417	229	618	1290	830	815	891	781	841	747	174	549
Mysore	Area	4.9	5.3	4.3	11.2	8.4	14	8.5	10.1	10.49	9.58	6.001	5.907
	Prod.	3.7	1.9	1.8	11.3	11.7	14	5.8	7.1	8.482	6.052	1.357	3.457
	Yield	755	359	419	1009	1393	1000	682	692	851	665	238	616
Raichur	Area	2.6	10	3.9	5.2	7.1	4	5.2	2.3	5.977	5.327	0.968	2.309
	Prod.	0.3	3.3	0.7	0.7	1.8	0.8	1.4	0.8	2.073	0.85	0.22	0.704
	Yield	115	330	180	135	254	200	269	348	365	168	239	321
Ramanagara	Area	--	--	--	--	--	--	1.7	2.2	6.392	4.576	0.727	1.934
	Prod.	--	--	--	--	--	--	0.1	0.8	1.816	2.852	0.023	0.92
	Yield	--	--	--	--	--	--	59	364	299	656	34	501
Shimoga	Area	0.1	0.2	0.096	0.1	0.1	0.077	0.023	0.06	0.064	0.028	0.015	0.012
	Prod.	0.045	0.059	0.042	0.067	0.1	0.045	0.013	0.038	0.037	0.014	0.004	0.007
	Yield	450	295	438	670	1000	584	565	507	614	530	272	603
Tumkur	Area	0.3	0.5	0.3	1	0.4	0.7	0.6	0.5	0.8	0.734	0.488	0.316
	Prod.	0.1	0.2	0.1	0.5	0.4	0.4	0.4	0.3	0.467	0.37	0.126	0.148
	Yield	333	400	333	500	1000	571	667	600	375	530	272	494
Udupi	Area	0.3	0.2	0.1	0.089	0.1	0.1	0.066	0.1	0.054	0.044	0.036	0.002
	Prod.	0.095	0.07	0.046	0.048	0.091	0.069	0.037	0.052	0.028	0.022	0.009	0.001
	Yield	317	350	460	539	910	690	561	520	400	614	530	603
Uttara Kannada	Area	0.006	0.006	0.006	0.005	0.002	0.001	0.001	0.001	0.004	0.002	--	--
	Prod.	0.002	0.002	0.003	0.003	0.002	0.001	0.001	0.001	--	0.002	0.001	--
	Yield	333	333	500	600	1000	1000	1000	1000	614	530	--	--
Vijayapura	Area	0.3	0.7	0.1	0.9	0.5	0.9	1.3	1.1	--	--	--	--
	Prod.	0.065	0.3	0.05	0.5	0.5	0.6	0.7	0.098	0.5	--	--	--
	Yield	217	429	500	556	1000	667	539	490	455	--	--	--

Madhya Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Anuppur	Area	--	1.3	1.2	1.1	1	1.1	1	0.9	1	1	1.1	1.1
	Prod.	--	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.3
	Yield	--	231	250	182	200	200	182	200	111	300	300	273	273
Ashok Nagar	Area	--	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.8	0.7	0.6
	Prod.	--	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.9	0.7	0.5
	Yield	--	667	500	500	750	750	750	800	1000	1125	1000	833
Balaghat	Area	1	1.1	1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3
	Prod.	0.6	0.7	0.9	0.9	0.9	0.8	1	1.1	1.1	1.6	1.5	1.2
	Yield	600	636	818	900	818	727	909	909	846	1231	1154	923
Barwani	Area	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
	Prod.	0.061	0.073	0.1	0.1	0.1	0.091	0.1	0.2	0.1	0.2	0.1	0.1
	Yield	203	243	333	250	333	303	333	500	333	667	333	333
Betul	Area	1.2	1.1	0.9	0.8	1	0.2	0.3	0.3	0.4	0.2	0.7	0.5
	Prod.	0.3	0.3	0.3	0.2	0.3	0.055	0.088	0.1	0.2	0.1	0.6	0.2
	Yield	250	273	333	250	300	275	293	333	333	500	857	400
Bhind	Area	3.4	2	2.6	3	5	11.2	20.7	10.8	9.4	9.5	10.1	8.5
	Prod.	2	1.1	1.8	2.2	3.2	5.9	10.5	6.3	8.2	6.3	5.8	7.4
	Yield	588	550	692	733	640	527	507	583	872	663	574	871
Bhopal	Area	0.094	0.1	0.2	0.3	0.2	0.2	0.1	0.083	0.047	0.055	0.057	0.056
	Prod.	0.032	0.038	0.068	0.1	0.071	0.05	0.055	0.032	0.025	0.034	0.033	0.023
	Yield	340	380	340	333	355	250	550	386	532	618	579	411
Burhanpur	Area	--	--	0.5	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.088	0.094
	Prod.	--	--	0.2	0.2	0.1	0.071	0.094	0.052	0.049	0.1	0.084	0.099
	Yield	--	--	400	667	333	355	470	520	490	840	784	1053
Chhatarpur	Area	27.9	26.8	31.1	38.6	42	37.1	60	58.3	76.4	76.6	76.4	69.3
	Prod.	6.9	6.1	8.8	16.2	14.1	7.8	20.4	20.3	24.3	26.8	34.7	17.8
	Yield	247	228	283	420	336	210	340	348	334	351	454	257

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Chhindwara	Area	1.5	1.4	1.5	1.3	1	0.9	0.7	0.8	0.8	2.1	0.7	0.7	0.8
	Prod.	0.3	0.3	0.7	0.5	0.3	0.3	0.3	0.3	0.3	1.1	0.3	0.5	0.5
	Yield	200	214	467	385	300	333	429	429	375	524	429	714	625
Damoh	Area	1.8	1.8	1.7	2	1.7	1.6	1.6	1.8	2.7	1.9	2.3	1.8	1.2
	Prod.	0.5	0.3	0.6	0.8	0.5	0.4	0.4	0.6	1	1.1	1.3	0.8	0.3
	Yield	278	167	353	400	294	250	250	333	370	579	565	444	250
Datia	Area	2.7	2.1	3.1	5.8	12.2	45.4	50	19.7	41.9	41.4	34.6	26.3	20.9
	Prod.	1.6	0.6	2	2.8	7.8	23.4	20.7	8	22.9	22.6	25.3	20.7	13.7
	Yield	593	286	645	483	639	515	414	406	547	546	731	787	656
Dewas	Area	1	1	1	0.4	0.7	0.7	0.6	0.6	0.3	0.3	0.3	0.3	0.3
	Prod.	0.4	0.5	0.5	0.2	0.3	0.3	0.4	0.3	0.2	0.3	0.3	0.4	0.3
	Yield	400	500	500	500	429	429	667	500	667	1000	1000	1333	1000
Dhar	Area	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Prod.	0.06	0.1	0.1	0.1	0.095	0.059	0.066	0.076	0.066	0.1	0.069	0.062	0.1
	Yield	200	250	250	333	317	295	330	380	330	500	345	310	500
Dindori	Area	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.4
	Prod.	0.038	0.04	0.053	0.077	0.086	0.073	0.088	0.085	0.076	0.082	0.1	0.2	0.2
	Yield	190	200	177	257	287	243	440	425	380	410	250	667	500
Guna	Area	1.1	0.9	0.9	1.1	1.2	1	0.7	0.8	0.8	0.5	0.6	0.4	0.2
	Prod.	0.6	0.2	0.6	0.8	0.9	0.6	0.5	0.5	0.5	0.4	0.6	0.4	0.2
	Yield	546	222	667	727	750	600	714	625	625	800	1000	1000	1000
Gwalior	Area	2.9	2.3	2.3	3.7	7.5	20.6	25.9	15.8	24.1	21.1	18.6	13.7	9.9
	Prod.	1.6	0.9	1.5	2.5	4.5	10.7	8.1	7.9	14.3	17.7	12.2	7.1	4.6
	Yield	552	391	652	676	600	519	313	500	593	839	656	518	465
Harda	Area	0.3	0.3	0.7	0.5	0.2	0.2	0.08	0.1	0.043	0.091	0.021	0.041	0.027
	Prod.	0.1	0.1	0.3	0.2	0.073	0.077	0.047	0.067	0.028	0.078	0.015	0.025	0.014
	Yield	333	333	429	400	365	385	588	670	651	857	714	610	519

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Hoshangabad	Area	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.057
	Prod.	0.2	0.3	0.3	0.4	0.2	0.1	0.093	0.1	0.2	0.3	0.3	0.018
	Yield	333	500	600	667	500	333	333	465	500	1000	750	316
Indore	Area	--	0.01	0.02	0.002	0.014	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Prod.	--	0.005	0.013	0.002	0.007	0.001	--	--	--	--	--	--
	Yield	--	500	650	1000	500	333	--	--	--	--	--	--
Jabalpur	Area	1.2	1.3	1.1	1.4	1.3	1.2	1.3	1.3	1.4	1.4	1.1	1.3
	Prod.	0.3	0.3	0.4	0.6	0.4	0.3	0.3	0.5	0.8	0.6	0.5	0.7
	Yield	250	231	364	429	308	214	250	385	571	429	455	539
Jhabua	Area	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Prod.	0.056	0.089	0.1	0.1	0.1	0.08	0.1	0.061	0.095	0.1	0.1	0.2
	Yield	280	297	333	333	333	400	500	305	475	500	500	1000
Katni	Area	2.4	2.5	2.7	2.8	2	3.1	3.1	3.2	6.4	6.2	6.7	5.6
	Prod.	0.4	0.4	0.6	0.7	0.4	0.3	0.4	0.5	1.4	1.2	2.5	4.5
	Yield	167	160	222	250	200	97	138	194	156	194	373	804
Khandwa (East Nimar)	Area	4.3	5	4.4	3.8	3.6	3	2.5	2.2	1.7	1.6	1.1	1
	Prod.	1.4	1.6	1.8	1.6	1.3	1.1	1.2	1	0.7	0.9	0.5	0.5
	Yield	326	320	409	421	361	367	480	455	412	647	563	500
Khargone (West Nimar)	Area	0.9	1	1.1	0.9	1	0.9	0.8	0.6	0.6	0.3	0.3	0.3
	Prod.	0.2	0.3	0.4	0.3	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.1
	Yield	222	300	364	333	300	333	500	250	333	333	333	333
Mandla	Area	1.6	1.6	1.7	1.7	1.6	1.5	1.5	1.4	1.5	1.6	1.5	1.4
	Prod.	0.3	0.3	0.5	0.5	0.6	0.5	0.6	0.5	0.6	0.8	0.5	0.7
	Yield	188	188	294	294	375	333	400	375	357	400	333	500
Mandsaur	Area	0.1	0.4	0.9	1.1	0.9	0.9	0.5	0.5	0.6	0.5	0.5	0.4
	Prod.	0.046	0.1	0.4	0.5	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
	Yield	460	250	444	455	333	333	400	333	400	600	600	500

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Morena	Area	4.1	3.9	3.7	4.5	5.4	5.6	4.6	4.6	4.4	4.1	3.7	3.7
	Prod.	1.5	1.1	1.7	2.3	2.2	1.7	2.2	1.9	2.2	2	1.4	1.9
	Yield	366	282	460	511	407	304	393	391	413	500	488	378	514
Narsinghpur	Area	1.9	1.4	1.3	1.1	0.9	0.7	0.7	0.6	0.5	0.3	0.7	0.4
	Prod.	1	0.5	0.9	0.8	0.6	0.4	0.4	0.4	0.4	0.2	0.5	0.2
	Yield	526	357	692	727	667	571	571	571	667	800	667	714	500
Neemuch	Area	0.4	0.4	0.7	0.7	0.7	0.6	0.6	0.6	0.8	0.8	0.6	0.6
	Prod.	0.1	0.1	0.4	0.4	0.3	0.2	0.2	0.3	0.3	0.5	0.3	0.4
	Yield	250	250	571	571	429	333	333	429	500	625	500	667
Panna	Area	5.6	6	5.7	6.2	6.2	6.6	8.1	11.1	28.5	32.5	25.2	36.3
	Prod.	1.6	1.2	1.2	1.7	3.1	2.1	3.4	7.6	13.5	22	15.8	15.8
	Yield	286	200	211	274	500	318	420	685	448	677	627	435
Raisen	Area	1	0.6	0.7	0.6	0.5	0.3	0.4	0.3	0.066	0.043	0.07	0.059
	Prod.	0.3	0.2	0.3	0.3	0.2	0.1	0.2	0.1	0.039	0.026	0.033	0.023
	Yield	300	333	429	500	400	333	500	333	591	605	471	390
Rajgarh	Area	0.3	0.6	0.9	1	1.3	1.2	1.2	0.9	1.4	1.4	1.5	1.3
	Prod.	0.075	0.1	0.6	0.7	0.5	0.4	0.8	0.5	0.6	1.1	1.2	0.9
	Yield	250	167	667	700	385	333	667	556	546	714	786	692
Ratlam	Area	0.065	0.2	0.4	0.4	0.3	0.2	0.2	0.2	0.4	0.3	0.3	0.3
	Prod.	0.017	0.052	0.3	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3
	Yield	262	260	750	500	667	500	500	500	500	750	1000	1000
Rewa	Area	1.9	2.4	2.3	2.3	2.2	2.4	2.5	2.7	3.5	3.9	4.1	3.8
	Prod.	0.3	0.4	0.5	0.5	0.5	0.4	0.7	0.7	0.9	1	0.7	1
	Yield	158	167	217	217	227	167	280	259	207	257	256	171	263
Sagar	Area	1.4	1.8	1.8	1.9	1.7	1.6	1.3	1.2	1.3	1.5	0.9	1.1
	Prod.	0.3	0.2	0.5	0.5	0.4	0.3	0.3	0.3	0.4	0.5	0.2	0.2
	Yield	214	111	278	263	235	188	231	250	308	286	333	222	182

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Satna	Area	2	2.3	2.9	2.7	2.6	3.2	3.2	5.1	8.7	8.7	7.7	6.4
	Prod.	0.3	0.3	0.5	0.7	0.4	0.5	0.5	0.9	2	1.9	1.4	0.9
	Yield	150	150	217	241	185	154	156	177	230	218	182	141
Sehore	Area	0.4	0.3	0.099	7.6	0.1	0.087	0.1	0.064	0.069	0.071	0.079	0.07
	Prod.	0.09	0.1	0.045	3.8	0.052	0.033	0.037	0.023	0.064	0.054	0.065	0.02
	Yield	225	333	455	500	520	330	414	359	928	761	823	286
Seoni	Area	3.5	3.4	3.4	3.4	3.3	2.5	2.5	2.6	2.4	2.6	2.4	2.6
	Prod.	1	1.1	1.3	1.3	1	0.8	0.9	0.8	1.1	1.1	1.1	0.8
	Yield	286	324	382	382	303	258	360	320	308	458	423	308
Shahdol	Area	6.7	6.3	5.2	5.8	5.4	5.8	5.4	5.5	5.8	5.9	6.5	8.4
	Prod.	1.3	1.2	1.2	1.3	1	0.9	1.3	1.2	1.1	1.6	3	4.9
	Yield	194	191	231	224	185	173	224	222	200	310	271	462
Shajapur	Area	0.2	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.045
	Prod.	0.043	0.2	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.02
	Yield	215	400	667	600	500	400	400	400	667	571	571	444
Sheopur	Area	4.3	2.2	7.8	0.1	11.9	25.9	19.6	27.6	52.4	24.8	19.6	10.9
	Prod.	1.5	0.3	3.7	0.056	4.8	8.1	11.3	8.4	25.6	12.6	9.2	6.5
	Yield	349	136	474	560	403	338	436	429	489	508	469	596
Shivpuri	Area	4.6	3.9	5	6.6	8.3	12	14.2	13.3	12.7	13.5	9.3	10
	Prod.	2.2	0.7	3.1	4.4	5	5.3	5.1	7.8	9.5	10.3	5.3	5.1
	Yield	478	180	620	667	602	442	359	587	754	763	570	510
Sidhi	Area	18.4	18.1	18.5	19.7	20.2	20.2	20.5	8.8	8.7	8.9	8.7	9.3
	Prod.	2.9	2.9	3.8	4.5	6.9	6.2	9	3.4	3.5	5.9	3.7	5.4
	Yield	158	160	205	228	342	307	439	386	400	663	425	581
Tikamgarh	Area	16.3	15.7	18.1	18.1	21.9	22.9	38.9	33.9	42.1	41.3	33.6	30.1
	Prod.	6.9	3.4	6.3	6.9	7.2	5.8	12.4	14.7	18.2	20.2	17.1	6.6
	Yield	423	217	348	381	329	253	319	434	489	489	509	219

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ujjain	Area	0.031	0.065	0.2	0.7	0.3	0.2	0.1	0.084	0.065	0.06	0.03	0.025	0.02
	Prod.	0.008	0.017	0.081	0.3	0.1	0.1	0.075	0.043	0.036	0.037	0.022	0.016	0.014
	Yield	258	262	405	429	333	500	750	512	554	617	733	640	700
Umaria	Area	1.9	1.9	2.3	2.4	2.4	2.4	2.5	2.6	2.8	3.3	3.5	3.7	3.7
	Prod.	0.3	0.3	0.5	0.6	0.5	0.4	0.5	0.6	0.7	1	0.9	1.4	2.1
	Yield	158	158	217	250	208	167	200	231	250	303	257	378	568
Vidisha	Area	0.1	0.062	0.2	0.3	0.2	0.2	0.1	0.07	0.075	0.067	0.064	0.029	0.3
	Prod.	0.048	0.021	0.083	0.1	0.093	0.055	0.047	0.03	0.034	0.045	0.043	0.017	0.1
	Yield	480	339	415	333	465	275	470	429	453	672	672	586	333

Maharashtra

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
Ahmednagar	Area	1	1.4	0.8	1.2	1.1	1	0.009	0.2	0.4	0.6
	Prod.	0.31	0.21	0.3	0.4	0.3	0.3	0.004	0.2	0.043	0.13
	Yield	310	150	375	333	273	300	444	1000	108	217
Akola	Area	1.9	1.8	3	2.9	5	5.1	0.04	1.9	1.5	1.6
	Prod.	0.6	0.4	0.8	0.4	0.8	0.7	0.01	1	0.7	0.7
	Yield	316	222	267	138	160	137	250	526	467	438
Amravati	Area	3	2.4	1.5	1	0.2	0.2	0.002	0.1	0.2	0.6
	Prod.	0.6	0.5	0.2	0.2	0.1	0.1	0.001	0.1	0.1	0.2
	Yield	200	208	133	200	500	500	500	1000	500	333
Aurangabad	Area	5.1	5.1	6.4	5.5	5	4.7	0.032	1.4	3.5	1.1
	Prod.	1.1	1.6	1.6	1.2	1.2	1	0.006	0.2	0.6	0.3
	Yield	216	314	250	218	240	213	188	143	171	273
Beed	Area	6	5.6	6.6	5.6	5.2	5.4	0.055	3.9	3.3	2.4
	Prod.	1.3	1.8	1.7	1.2	1.3	1.1	0.01	0.6	0.5	0.6
	Yield	217	321	258	214	250	204	182	154	152	250
Bhandara	Area	1	0.9	1	0.9	0.7	0.8	0.008	0.4	0.4	0.5
	Prod.	0.4	0.11	0.2	0.1	0.1	0.2	0.003	0.1	0.123	0.229
	Yield	400	122	200	111	143	250	375	250	308	458
Buldhana	Area	6.4	6.2	5.9	5.8	5.5	5.9	0.055	3	2.8	3
	Prod.	2.5	1.5	1.9	1.1	1.5	1.3	0.019	0.7	0.7	1.1
	Yield	391	242	322	190	273	220	346	233	250	367
Chandrapur	Area	1.8	1.3	1.4	0.8	0.6	0.8	0.006	0.5	0.5	0.6
	Prod.	0.5	0.21	0.3	0.1	0.1	0.2	0.003	0.2	0.123	0.26
	Yield	278	162	214	125	167	250	500	400	246	433

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
Dhule	Area	10.5	11.6	11.3	10.5	10.7	10.5	0.1	5.2	4.3	3.8
	Prod.	3.41	3.21	4.8	3.2	2.7	2.9	0.045	0.8	1.1	1.8
	Yield	325	277	425	305	252	276	450	154	256	474
Gadchiroli	Area	2	2.5	2.7	2.7	3.1	3.3	0.026	1.3	1.8	2.1
	Prod.	0.5	0.5	0.5	0.6	0.4	0.8	0.007	0.4	0.5	0.7
	Yield	250	200	185	222	129	242	269	308	278	333
Gondia	Area	1.1	1	1.1	1.1	1.1	1.2	0.012	1.1	1.1	1.1
	Prod.	0.31	0.21	0.2	0.2	0.2	0.2	0.004	0.4	0.3	0.2
	Yield	282	210	182	182	182	167	333	364	273	182
Hingoli	Area	2	2.1	3	3.3	1.6	1.1	0.011	1	0.9	1.1
	Prod.	0.6	0.6	0.8	0.6	0.4	0.2	0.002	0.2	0.2	0.3
	Yield	300	286	267	182	250	182	182	200	222	273
Jalgaon	Area	25.8	26.2	29.7	25.8	27	26.4	0.2	12.4	13.4	14.7
	Prod.	10.6	12	11.9	7.5	9.1	9.8	0.097	4.1	5.1	7.4
	Yield	411	458	401	291	337	371	485	331	381	503
Jalna	Area	3.9	4.2	3.8	3.1	3.5	3.5	0.026	0.8	1.7	0.9
	Prod.	0.9	1.3	1	0.7	0.9	0.7	0.005	0.1	0.3	0.2
	Yield	231	310	263	226	257	200	192	125	177	222
Kolhapur	Area	--	--	--	--	0.1	0.1	0.001	--	--	--
	Prod.	--	--	--	--	0.1	0.1	0.001	--	--	--
	Yield	--	--	--	--	1000	1000	1000	--	--	--
Latur	Area	10.2	9.3	8.2	7.8	6.9	6.9	0.064	5.8	3.3	3.6
	Prod.	1.7	1.6	2.2	0.8	1.5	0.8	0.011	0.8	0.4	0.8
	Yield	167	172	268	103	217	116	172	138	121	222
Nagpur	Area	0.4	0.3	0.2	0.2	0.3	0.1	0.001	0.1	0.1	0.2
	Prod.	0.1	0.1	0.1	--	0.2	0.1	0.001	0.1	0.03	0.069
	Yield	250	333	500	--	667	1000	1000	1000	300	345

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
Nanded	Area	7.9	7.8	8	5.7	6.2	6.1	0.056	2.7	2.4	3.1
	Prod.	2.8	2.2	2.5	1	1.7	1.1	0.014	0.6	0.4	0.9
	Yield	354	282	313	175	274	180	250	222	167	290
Nandurbar	Area	0.9	0.5	0.5	0.7	0.7	0.4	0.005	0.5	0.4	0.6
	Prod.	0.3	0.2	0.2	0.2	0.2	0.1	0.002	0.1	0.1	0.3
	Yield	333	400	400	286	286	250	400	200	250	500
Nashik	Area	0.6	0.7	0.8	0.7	0.3	0.2	0.001	0.1	0.1	--
	Prod.	0.2	0.3	0.3	0.2	0.1	0.1	0.001	0.1	0.04	--
	Yield	333	429	375	286	333	500	1000	1000	400	--
Osmanabad	Area	5.2	5.5	6.3	6.2	5.6	5	0.05	4.2	3.8	4.3
	Prod.	1.2	1.6	1	1.6	1.6	1	0.012	0.9	1	0.9
	Yield	231	291	159	258	286	200	240	214	263	209
Parbhani	Area	5.1	5	5.7	5.5	4	4.5	0.043	3.1	3.4	4.1
	Prod.	2.3	2.1	1.8	1	1	0.7	0.009	0.5	0.6	0.9
	Yield	451	420	316	182	250	156	209	161	177	220
Pune	Area	3.4	2.9	2.8	2.9	3.1	3.8	0.032	1.8	1.7	2.1
	Prod.	1.1	0.4	0.7	1	0.7	0.9	0.011	0.6	0.2	0.5
	Yield	324	138	250	345	226	237	344	333	118	238
Raigad	Area	0.3	0.3	0.2	0.3	0.3	0.2	0.002	0.2	0.2	0.2
	Prod.	0.1	0.11	0.1	0.1	0.2	0.1	0.001	0.1	0.1	0.1
	Yield	333	367	500	333	667	500	500	500	500	500
Ratnagiri	Area	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1
	Prod.	0.1	0.1	0.1	--	0.1	0.1	0.001	0.1	0.03	--
	Yield	1000	1000	1000	--	1000	1000	1000	1000	300	--
Sangli	Area	0.2	0.2	0.1	0.3	0.4	0.5	0.004	0.1	0.2	0.3
	Prod.	0.1	0.01	0.1	0.1	0.1	0.1	0.001	0.1	0.053	0.1
	Yield	500	50	1000	333	250	200	250	1000	265	333

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Satara	Area	0.4	0.4	0.4	0.5	0.3	0.5	0.003	0.2	0.2	0.2
	Prod.	0.11	0.11	0.1	0.1	0.1	0.2	0.002	0.2	0.053	0.029
	Yield	275	275	250	200	333	400	667	1000	265	145
Sindhudurg	Area	0.2	0.2	0.2	0.2	0.2	0.2	0.002	0.2	0.1	0.1
	Prod.	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.1	0.03	--
	Yield	500	500	500	500	500	500	500	500	300	--
Solapur	Area	0.3	0.3	0.1	0.4	0.4	0.3	0.003	0.1	0.1	0.4
	Prod.	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.1	0.01	0.129
	Yield	333	333	1000	250	250	333	333	1000	100	323
Thane	Area	0.9	0.9	0.9	0.9	1.1	1	0.01	1.1	1	0.6
	Prod.	0.3	0.3	0.3	0.3	0.3	0.3	0.003	0.3	0.3	0.3
	Yield	333	333	333	333	273	300	300	273	300	500
Wardha	Area	0.8	0.9	0.6	0.5	0.4	0.4	0.002	0.1	0.1	--
	Prod.	0.21	0.11	0.1	0.1	0.1	0.1	0.001	0.1	0.03	--
	Yield	263	122	167	200	250	250	500	1000	300	--
Washim	Area	1.8	1.9	1.7	1.6	1.9	1.8	0.009	0.6	0.5	0.6
	Prod.	0.6	0.4	0.5	0.3	0.4	0.3	0.003	0.1	0.2	0.2
	Yield	333	211	294	188	211	167	333	167	400	333
Yavatmal	Area	7.6	5.6	5.4	4.3	4.4	2.5	0.023	1.6	1.1	0.9
	Prod.	2.41	1.31	1.5	0.7	0.9	0.4	0.007	0.3	0.4	0.3
	Yield	317	234	278	163	205	160	304	188	364	333

Odisha

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Angul	Area	7	6.5	3.1	5.5	9.6	4.7	2.9	3.6	3.4	2.3	2.4	1.6
	Prod.	1.3	0.9	0.5	0.9	1.765	0.8	0.46	0.628	0.667	0.488	0.55	0.312
	Yield	186	139	161	164	184	170	159	174	196	212	229	195
Balangir	Area	4.8	4.4	3.2	3.4	6.4	3.589	3.255	4.516	5.134	2.746	3.094	2.916
	Prod.	0.9	0.4	0.4	0.6	0.823	0.619	0.415	0.804	1.015	0.47	0.923	0.603
	Yield	188	91	125	177	129	173	128	178	198	171	298	207
Balasore	Area	0.3	0.5	0.6	1.3	3.204	1.607	2	1.702	1.201	1.2	0.8	0.4
	Prod.	0.076	0.2	0.2	0.5	1.201	0.501	0.6	0.6	0.4	0.5	0.3	0.1
	Yield	253	400	333	385	375	312	300	353	333	417	375	250
Bargarh (Baregarh)	Area	1.2	1.7	1.1	1.4	2.2	1.008	1.24	1.518	1.297	1.097	0.872	1.204
	Prod.	0.2	0.4	0.2	0.3	0.393	0.173	0.242	0.34	0.334	0.234	0.228	0.24
	Yield	167	235	182	214	179	172	195	224	258	213	262	199
Bhadrak	Area	0.071	0.029	0.068	0.2	0.16	0.2	0.1	0.053	0.2	0.092	0.079	0.09
	Prod.	0.007	0.009	0.013	0.085	0.05	0.059	0.035	0.013	0.074	0.027	0.017	0.026
	Yield	99	310	191	425	313	400	295	245	370	294	215	289
Boudh (Bauda)	Area	2.1	1.3	0.7	1.5	2.19	1.712	1.519	0.94	1.001	0.529	0.617	0.307
	Prod.	0.3	0.1	0.1	0.2	0.216	0.202	0.202	0.108	0.1	0.092	0.102	0.057
	Yield	143	77	143	133	99	118	133	115	100	174	165	186
Cuttack	Area	0.2	0.5	0.4	0.5	0.996	0.9	0.268	0.262	0.3	0.241	0.071	0.005
	Prod.	0.088	0.2	0.1	0.2	0.421	0.241	0.101	0.106	0.097	0.074	0.038	0.001
	Yield	440	400	250	400	423	268	446	405	323	307	535	200
Debagarh (Deogarh)	Area	3.3	1.7	2.6	2.4	7.427	2.049	1.919	1.321	1.922	0.862	0.725	0.494
	Prod.	1	0.3	0.7	0.5	2.397	0.818	0.41	0.435	0.482	0.217	0.206	0.12
	Yield	303	177	269	208	323	230	200	254	251	252	284	243

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Dhenkanal	Area	1.5	1.4	0.8	1.2	2.765	1.01	1.102	0.52	0.429	0.498	0.163	0.141	0.108
	Prod.	0.2	0.2	0.2	0.2	0.621	0.229	0.143	0.098	0.094	0.102	0.038	0.039	0.026
	Yield	133	143	250	167	225	227	130	189	219	205	233	277	241
Gajapati	Area	2	0.7	1.2	0.8	1.619	0.613	2.137	0.523	1.423	1.039	0.605	0.7	1.012
	Prod.	0.6	0.2	0.3	0.2	0.203	0.104	0.405	0.086	0.302	0.21	0.2	0.2	0.201
	Yield	300	286	250	250	125	170	190	164	212	202	331	286	199
Ganjam	Area	2.3	3.9	3	3.4	9.604	3.706	4.313	1.705	3.316	2.629	1.102	0.471	1.832
	Prod.	0.5	0.6	0.5	0.6	2.17	0.649	0.723	0.313	0.626	0.527	0.216	0.082	0.304
	Yield	217	154	167	177	226	175	168	184	189	201	196	174	166
Jagatsinghpur	Area	0.022	0.049	0.053	0.083	0.142	0.086	0.076	0.031	0.017	0.009	0.006	0.003	0.004
	Prod.	0.005	0.01	0.01	0.031	0.048	0.036	0.03	0.01	0.006	0.003	0.003	0.002	0.002
	Yield	227	204	189	374	338	419	395	323	353	333	500	667	500
Jajpur	Area	0.008	0.02	0.009	0.027	0.02	0.006	0.001	0.018	0.002	0.005	0.004	0.01	--
	Prod.	0.001	0.009	0.001	0.002	0.004	0.001	--	0.007	--	0.001	--	0.002	--
	Yield	125	450	111	74	200	167	--	389	--	200	--	200	--
Jharsuguda	Area	0.7	0.7	1	2	6.416	1.8	1.202	0.7	2.804	2.61	0.402	0.3	0.306
	Prod.	0.2	0.092	0.4	0.6	2.009	0.6	0.3	0.2	1.2	0.503	0.051	0.098	0.102
	Yield	286	131	400	300	313	333	250	286	428	193	127	327	333
Kalahandi	Area	2.4	2.1	1.5	0.9	1.732	0.63	0.724	0.415	0.501	0.801	0.3	0.401	0.201
	Prod.	0.3	0.2	0.2	0.086	0.191	0.072	0.092	0.041	0.067	0.1	0.033	0.053	0.025
	Yield	125	95	133	96	110	114	127	99	134	125	110	132	124
Kandhamal	Area	0.4	0.2	0.3	0.2	1	0.4	0.3	0.1	0.055	0.077	0.067	0.018	0.029
	Prod.	0.086	0.019	0.048	0.037	0.2	0.077	0.07	0.04	0.011	0.008	0.005	0.004	0.006
	Yield	215	95	160	185	200	193	233	400	200	104	75	222	207
Kendrapara	Area	0.028	0.045	0.072	0.2	0.168	0.1	0.1	0.1	0.1	0.053	0.038	0.046	0.016
	Prod.	0.017	0.022	0.034	0.061	0.072	0.039	0.048	0.039	0.047	0.02	0.02	0.024	0.008
	Yield	607	489	472	305	429	390	480	390	470	377	526	522	500

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kendujhar (Keonjhar)	Area	0.7	0.2	0.4	0.4	0.342	0.261	0.248	0.095	0.118	0.212	0.159	0.088
	Prod.	0.071	0.014	0.065	0.053	0.042	0.037	0.038	0.01	0.024	0.034	0.043	0.026
	Yield	101	70	163	133	123	142	153	105	203	160	270	296
Khordha	Area	0.2	1.1	0.4	0.3	0.405	0.203	0.32	0.132	0.306	0.223	0.068	0.21
	Prod.	0.07	0.3	0.1	0.095	0.128	0.068	0.087	0.043	0.089	0.062	0.034	0.085
	Yield	350	273	250	317	316	335	272	326	291	241	500	405
Koraput	Area	0.3	0.2	0.1	0.2	0.6	0.3	0.3	0.3	0.5	0.2	0.3	0.2
	Prod.	0.089	0.055	0.056	0.064	0.162	0.096	0.1	0.088	0.2	0.071	0.1	0.099
	Yield	297	275	560	320	270	320	333	293	400	355	333	495
Malkangiri	Area	8.8	6.3	7.3	10.2	23.6	10.1	9.406	11	10.4	15.2	4.7	6.7
	Prod.	2.3	0.7	1.5	2.2	5.4	1.9	1.801	1.8	1.7	3.3	0.6	1.4
	Yield	261	111	206	216	229	188	192	164	164	217	88	209
Mayurbhanj	Area	0.2	0.1	0.3	0.4	1.235	0.487	1.092	0.783	0.589	0.411	0.137	0.333
	Prod.	0.044	0.026	0.062	0.086	0.321	0.113	0.214	0.213	0.217	0.12	0.057	0.146
	Yield	220	260	207	215	260	232	196	272	368	292	416	438
Nabarangpur	Area	0.011	--	0.005	0.001	0.2	0.055	0.026	0.018	--	--	--	--
	Prod.	0.002	--	0.001	--	0.06	0.009	0.004	0.005	--	--	--	--
	Yield	182	--	200	--	300	164	154	278	--	--	--	--
Nayagadh	Area	1	0.8	0.9	0.7	1.601	1.404	1.001	0.9	0.9	0.705	0.219	0.098
	Prod.	0.2	0.1	0.2	0.1	0.237	0.185	0.173	0.152	0.222	0.137	0.089	0.017
	Yield	200	125	222	143	148	132	173	169	247	194	228	174
Nuapada	Area	1.3	0.3	0.3	0.2	0.903	0.4	0.7	0.3	0.7	1.2	1.2	0.9
	Prod.	0.1	0.01	0.025	0.018	0.072	0.027	0.063	0.026	0.054	0.227	0.101	0.104
	Yield	77	33	83	90	80	68	90	87	77	134	84	116
Puri	Area	0.7	0.8	0.4	0.6	1.401	0.7	0.9	0.3	0.4	1.1	0.2	0.3
	Prod.	0.2	0.2	0.1	0.2	0.4	0.2	0.2	0.076	0.2	0.3	0.1	0.069
	Yield	286	250	250	333	286	286	222	253	500	273	250	333

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Rayagada	Area	2.9	2.4	3.8	5	10.7	3.59	4.2	3.6	4.4	4.4	2.3	2.339	2.2
	Prod.	0.8	0.5	1.1	1.4	2.639	0.928	1.172	0.735	1.2	1.355	0.535	0.613	0.7
	Yield	276	208	290	280	247	259	279	204	273	308	233	262	318
Sambalpur	Area	3.8	3.3	1.7	2.3	7.401	2.929	1.858	1.443	2.135	1.529	0.506	0.515	0.532
	Prod.	1	1.1	0.4	0.5	2.35	0.609	0.422	0.312	0.712	0.314	0.103	0.206	0.217
	Yield	263	333	235	217	318	208	227	216	334	205	204	400	408
Subarnapur (Sonepur)	Area	0.2	0.076	0.1	0.1	0.437	0.324	0.302	0.195	0.308	0.238	0.21	0.122	0.028
	Prod.	0.024	0.01	0.031	0.031	0.121	0.07	0.114	0.054	0.079	0.033	0.057	0.038	0.007
	Yield	120	132	310	310	277	216	378	277	257	139	271	312	250
Sundargarh	Area	3	2.1	2.3	3.4	4.546	3.726	2.451	2.212	1.966	3.263	1.783	1.013	1.172
	Prod.	0.6	0.3	0.5	1	1.207	1.106	0.717	0.703	0.52	0.712	0.426	0.303	0.418
	Yield	200	143	217	294	266	297	293	318	265	218	239	299	357

Rajasthan

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Ajmer	Area	7	3.8	7.5	--	12.1	9.8	11.3	25.7	21.3	21.54
	Prod.	1.7	0.2	2.9	--	0.7	2.6	3.7	6.2	8.1	3.469
	Yield	243	53	387	--	58	265	327	241	380	161
Alwar	Area	6.1	3.1	1.9	--	2.1	2.6	2.8	3.5	3.4	3.546
	Prod.	1.8	0.2	0.6	--	0.5	1	1.5	1	1.3	1.453
	Yield	295	65	316	--	238	385	536	286	382	410
Banswara	Area	0.6	0.7	0.9	--	0.8	0.6	0.5	0.5	0.7	0.634
	Prod.	0.2	0.044	0.4	--	0.1	0.2	0.2	0.1	0.082	0.206
	Yield	333	63	444	--	125	333	400	200	164	325
Baran	Area	1.5	1.2	2.5	--	5.3	7.2	6.1	6.8	10.1	7.568
	Prod.	0.5	0.072	1.1	--	0.8	2.6	3.6	2.8	5.9	3.035
	Yield	333	60	440	--	151	361	590	412	584	401
Barmer	Area	4.1	1.8	4.1	--	4.6	1.6	2.1	4.1	3.9	7.55
	Prod.	1.5	--	2.4	--	0.2	0.1	0.2	0.1	0.038	1
	Yield	366	--	585	--	44	63	95	24	256	180
Bharatpur	Area	4.1	1.9	0.9	--	1.6	2.1	2.1	2	2.1	2.568
	Prod.	2.2	0.4	0.5	--	0.7	0.8	0.8	0.6	0.3	1.424
	Yield	537	211	556	--	438	381	381	300	143	555
Bhilwara	Area	19.2	18.8	26	--	39.3	26.9	26.2	34.6	27.7	33.962
	Prod.	6.3	1	11.6	--	3.8	6.4	8	7.7	3	4.786
	Yield	328	53	446	--	97	238	305	223	103	141
Bikaner	Area	15.1	0.3	13.3	--	4.6	2.6	3.3	4.1	8.3	12.09
	Prod.	5.7	--	2.3	--	0.2	0.1	0.4	0.082	0.036	3.862
	Yield	378	--	173	--	44	39	121	20	9	319

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Bundi	Area	6.8	7.6	11.6	--	6.3	10	18.6	16	36.4	19.982
	Prod.	1.9	0.4	5	--	2.9	4.1	6.2	3.7	15.4	6.77
	Yield	279	53	431	--	320	410	333	231	423	339
Chittorgarh	Area	6.7	9.1	10.6	--	8.3	6.1	6.7	6.2	6.6	7.347
	Prod.	2.1	1.8	3.5	--	1.6	2.1	1.4	1.7	2.7	1.413
	Yield	313	198	330	--	320	344	209	274	409	192
Churu	Area	1.8	0.2	1.4	--	0.7	1.5	1.8	1.2	4.7	3.988
	Prod.	0.6	0.013	0.6	--	0.097	0.6	0.4	0.037	1.9	0.781
	Yield	333	65	429	--	139	400	222	31	404	196
Dausa	Area	4.9	3.1	2.6	--	4.3	6.2	8.7	15.8	12.3	11.446
	Prod.	1.6	0.4	1.1	--	1.5	3.6	4.4	5.6	3.6	2.932
	Yield	327	129	423	--	235	581	506	354	293	256
Dholpur	Area	2.4	1.4	1.6	--	3.8	3.8	2.7	3	3.6	2.746
	Prod.	0.8	0.083	0.7	--	0.5	1.9	1.4	2	4.8	1.14
	Yield	333	59	438	--	147	790	519	667	1333	415
Dungapur	Area	1.1	1.3	1.3	--	1.1	1	1.2	1.4	1.6	1.453
	Prod.	0.3	0.078	0.6	--	0.2	0.4	0.2	0.3	0.7	0.32
	Yield	273	60	462	--	154	400	167	214	438	220
Ganganagar	Area	4.7	0.8	1.5	--	1.2	1	6.3	3.2	2	1.087
	Prod.	1.5	0.047	0.7	--	0.1	0.4	1.9	0.5	0.8	0.625
	Yield	319	59	467	--	143	333	302	156	400	575
Hanumangarh	Area	7.2	7.9	2.9	--	9.3	3.3	8.8	6.5	5.1	2.053
	Prod.	4.3	0.8	1.6	--	5.2	1.9	5.2	4	2.7	1.055
	Yield	597	101	552	--	743	807	591	615	529	514
Jaipur	Area	6.8	5.9	4.5	--	4.9	4.2	11.6	27.5	16.5	14.49
	Prod.	1.9	0.4	2.1	--	0.7	1.8	5.6	5	5.9	3.825
	Yield	279	68	467	--	143	212	483	182	358	264

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Jaisalmer	Area	0.5	0.025	0.7	--	0.086	0.3	0.6	1	0.8	1.367
	Prod.	0.1	0.001	0.3	--	0.053	0.1	0.2	0.2	0.3	0.444
	Yield	200	40	429	--	133	333	333	200	375	325
Jalore	Area	20.7	11.1	16.8	--	29.4	12.1	24.6	25.3	17.4	16.497
	Prod.	5.3	--	9	--	1.3	3.1	3.9	--	5.6	6.211
	Yield	256	--	536	--	44	256	159	--	322	376
Jhalawar	Area	0.4	1.1	1.9	--	4.1	3.3	2.3	2.7	7.3	2.2
	Prod.	0.1	0.066	0.9	--	0.6	1.1	1.2	1.4	3	1.245
	Yield	250	60	474	--	146	333	522	519	411	566
Jhunjhunu	Area	0.07	0.028	0.044	--	0.067	0.1	0.2	0.1	0.2	0.189
	Prod.	0.023	0.002	0.02	--	0.01	0.038	0.056	0.019	0.072	0.062
	Yield	329	71	455	--	149	380	280	190	360	328
Jodhpur	Area	39.3	2.3	34.7	--	44.2	24	43.6	36.1	29.6	44.048
	Prod.	15.3	0.2	15	--	2.1	4.4	10.5	0.4	12.7	19.091
	Yield	389	87	432	--	48	183	241	11	429	433
Karauli	Area	6.1	4.3	3.9	--	6.5	8.6	11.1	28.8	17.7	24.89
	Prod.	0.8	1	1.8	--	4	5.8	7.7	17.1	8.3	12.36
	Yield	131	233	462	--	615	706	694	594	469	497
Kota	Area	0.9	2.1	3.4	--	3.8	6.9	16.3	21.6	53.7	13.97
	Prod.	0.3	0.1	1.5	--	0.6	2.5	6.2	12.3	17.4	3.751
	Yield	333	48	441	--	158	362	380	569	324	269
Nagaur	Area	21.6	4.9	16.1	--	18.6	10.8	28.1	18.8	23.2	32.829
	Prod.	5.3	0.006	6.2	--	3.2	1.8	8.6	0.3	9	12.428
	Yield	245	1	385	--	172	167	306	16	388	379
Pali	Area	83.7	50	92	--	154.2	84.7	142	146.7	107.1	133.084
	Prod.	26.5	1.2	43.8	--	14.5	31.6	31.6	2	47	43.066
	Yield	317	24	476	--	94	373	223	14	439	324

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Rajsamand	Area	2.4	2.7	3.1	--	2.9	2.3	2.4	2.1	2.3	1.966
	Prod.	1.9	0.2	1.4	--	0.5	0.6	0.5	0.3	0.9	0.077
	Yield	792	74	452	--	143	261	208	143	391	39
Sawai Madhopur	Area	15.5	9.8	14.6	--	9	29.1	39.1	61.4	32.5	29.546
	Prod.	5.3	0.097	8.8	--	3.8	16.6	15.8	20.6	11.1	10.644
	Yield	342	10	603	--	422	570	404	336	342	360
Sikar	Area	0.9	0.3	0.5	--	0.6	0.6	0.9	0.5	1.2	1.104
	Prod.	0.3	0.021	0.2	--	0.089	0.2	0.3	0.088	0.5	0.359
	Yield	333	70	400	--	148	333	333	176	417	325
Sirohi	Area	11.5	10.6	12.4	--	16.5	9.3	11.3	16	16.1	15.514
	Prod.	3.2	1.2	5.3	--	6.8	2.8	1.6	0.8	7.9	6.088
	Yield	278	113	427	--	412	301	142	50	491	392
Tonk	Area	9.6	19.1	12.5	--	16.1	17.7	47.5	72.8	41.9	38.059
	Prod.	3	0.4	7.7	--	3.2	1.7	18.1	6.7	16	11.352
	Yield	313	21	616	--	199	181	381	92	382	298
Udaipur	Area	3.2	3.1	3.9	--	3.7	4	2.8	2.6	2.6	2.608
	Prod.	0.6	1	1.5	--	0.9	0.3	0.7	0.4	0.6	0.595
	Yield	188	323	385	--	243	75	250	154	231	228

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Karur	Area	5.8	4.6	9.4	4.7	6.7	7.6	7.4	7.3	4.271	4.076	2.405	3.387
	Prod.	1.7	1.2	2.6	1.3	1.8	2.2	1.8	2.2	1.518	2.939	1.602	2.073
	Yield	293	261	277	277	269	290	243	397	301	355	721	666	612
Krishnagiri	Area	--	--	--	0.4	0.3	0.3	0.5	0.5	0.553	1	1.085	0.599
	Prod.	--	--	--	0.057	0.036	0.069	0.2	0.2	0.224	0.706	0.681	0.226
	Yield	--	--	--	143	120	230	400	400	405	706	628	377
Madurai	Area	1.7	1	1.7	1	1.3	0.9	0.7	0.9	0.693	0.88	0.651	0.858
	Prod.	0.6	0.2	0.6	0.3	0.4	0.2	0.1	0.4	0.312	0.54	0.29	0.442
	Yield	353	200	353	300	308	222	143	444	364	450		
Nagapattinam	Area	1.7	0.9	1.7	0.4	0.1	0.8	4.5	1.4	0.914	0.76	1.052	0.708
	Prod.	0.7	0.3	0.6	0.1	0.064	0.2	0.5	0.2	0.338	0.245	0.282	0.181
	Yield	412	333	353	250	640	250	111	143	286	322	268	256
Namakkal	Area	1.8	0.5	0.5	0.7	0.5	0.3	0.4	0.6	0.496	0.25	0.679	0.834
	Prod.	1.9	0.3	0.3	0.4	0.3	0.2	0.2	0.4	0.261	0.155	0.353	0.507
	Yield	1056	600	600	571	600	667	500	667	500	620	520	608
Nilgiris	Area	--	0.002	0.007	0.005	--	--	--	--	--	--	--	--
	Prod.	--	0.001	0.002	0.002	--	--	--	--	--	--	--	--
	Yield	--	500	286	400	--	--	--	--	--	--	--	--
Perambalur	Area	7.6	3.9	6	3.6	2.6	1.8	2	2	0.271	0.251	0.168	0.344
	Prod.	3.9	1.4	1.6	1	0.9	0.6	0.8	0.8	0.16	0.138	0.088	0.207
	Yield	513	359	267	278	346	333	400	400	667	550	524	602
Pudukkottai	Area	1.5	0.4	0.6	0.8	0.6	0.6	1.6	1.3	0.451	1.471	0.946	1.871
	Prod.	0.8	0.2	0.2	0.3	0.3	0.3	0.7	0.6	0.277	0.918	0.589	0.817
	Yield	533	500	333	375	500	500	438	462	614	624	623	437
Ramanathapuram	Area	2.3	1.4	5.5	1.8	1.6	1.3	3.2	1.7	0.774	0.911	1.065	2.429
	Prod.	0.9	0.5	1.8	0.3	0.3	0.3	0.7	0.2	0.158	0.34	0.264	0.236
	Yield	391	357	327	167	188	231	219	118	333	373	248	97

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Salem	Area	9.6	3.8	1.4	1.3	2.2	1.2	1	3	3.5	2.684	1.741	1.637
	Prod.	9.1	2.4	0.9	0.9	1.5	0.9	0.7	2.2	2.5	1.98	1.31	1.423
	Yield	948	632	643	692	682	750	700	733	714	738	752	869
Sivaganga	Area	0.3	0.1	0.2	0.2	0.1	0.1	1.5	0.1	0.2	0.113	0.244	0.166
	Prod.	0.1	0.038	0.058	0.07	0.043	0.047	0.6	0.063	0.029	0.073	0.127	0.1
	Yield	333	380	290	350	430	470	400	630	145	646	520	602
Thanjavur	Area	4.8	2.9	4.1	7.2	6	3.9	12.9	7.5	8	3.868	4.161	6.91
	Prod.	1.6	1.1	0.8	1.3	2.7	1.9	4.2	2	3.1	1.734	2.364	4.099
	Yield	333	379	195	181	450	487	326	267	388	352	568	593
Theni	Area	0.8	0.5	0.5	0.4	0.6	0.7	0.6	0.8	0.8	0.814	0.863	1.459
	Prod.	0.3	0.2	0.2	0.1	0.3	0.5	0.3	0.4	0.4	0.485	0.301	0.841
	Yield	375	400	400	250	500	714	500	500	500	596	349	576
Thoothukudi	Area	3	2.6	4.5	4.1	3.3	2.3	2.3	2.2	1.7	1.068	0.784	0.819
	Prod.	1.1	0.5	0.9	2.2	1	1.4	1.2	0.8	0.7	0.307	0.112	0.154
	Yield	367	192	200	537	303	609	522	364	412	274	580	188
Tiruchirappalli	Area	0.8	0.8	0.6	0.7	0.4	0.4	0.6	0.6	0.6	0.319	0.789	1.677
	Prod.	0.6	0.5	0.2	0.4	0.3	0.3	0.3	0.4	0.3	0.317	0.324	1.436
	Yield	750	625	333	571	750	750	500	667	500	620	545	856
Tirunelveli	Area	1.4	1.4	1.8	2.4	2.1	1.9	1.8	1.2	0.9	1.026	0.75	1.045
	Prod.	0.6	0.4	0.6	1	0.6	0.8	0.9	0.7	0.3	0.25	0.61	0.307
	Yield	429	286	333	417	286	421	500	583	333	331	595	294
Tirupur	Area	--	--	--	--	--	--	--	--	2.2	1.633	0.333	0.828
	Prod.	--	--	--	--	--	--	--	--	0.9	1.368	0.174	0.513
	Yield	--	--	--	--	--	--	--	--	409	741	523	620
Tiruvarur	Area	1.3	2.1	1.8	2.4	1.6	1.4	0.6	0.5	0.8	0.638	0.663	0.662
	Prod.	0.8	1.1	0.5	1.2	0.7	0.6	0.3	0.3	0.4	0.379	0.363	0.57
	Yield	615	524	278	500	438	429	500	600	500	726	569	861

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Tiruvannamalai	Area	1.6	1.7	1.4	0.8	1	1.6	1.3	1.7	0.907	1.456	1.321	2.133
	Prod.	1.1	0.3	0.2	0.3	0.5	0.9	0.9	1	0.635	0.867	1.15	1.511
	Yield	688	177	143	375	500	563	692	588	700	595	871	708
Tiruvatur	Area	3.4	1.9	2.7	1.1	2.3	2.8	1	1.4	0.363	0.835	0.754	1.187
	Prod.	1.8	1	1.3	0.3	0.9	1.5	0.4	0.4	0.199	0.391	0.247	0.859
	Yield	529	526	482	273	391	536	400	286	548	468	328	724
Vellore	Area	1.2	1.6	1.2	1.6	0.8	1.2	0.5	0.7	0.494	0.664	0.601	0.246
	Prod.	1	0.8	0.5	1	0.3	0.5	0.2	0.2	0.228	0.394	0.308	0.137
	Yield	833	500	417	625	375	556	417	400	462	593	512	557
Viluppuram	Area	7	7.5	13.3	6.7	6.8	5	4	4	2.959	2.004	1.766	8.58
	Prod.	3.3	3.2	4.8	2.7	3.2	2.6	2.1	2	1.81	1.467	1.08	6.285
	Yield	471	427	361	403	471	520	525	500	612	732	612	733
Virudhunagar	Area	3.3	1.6	3.7	3.8	2.7	1.9	2.5	2.5	2.248	1.569	1.021	1.46
	Prod.	1.7	0.5	1	1.2	0.8	0.8	0.7	0.4	0.444	0.526	0.21	0.352
	Yield	515	313	270	316	296	421	368	160	198	335	206	241

Telangana

District		2013-14	2014-15
Adilabad	Area	4.877	4.8
	Prod.	1.869	2.1
	Yield	383	445
Karimnagar	Area	6.083	7.3
	Prod.	3.048	3.7
	Yield	501	504
Khammam	Area	3.672	1.1
	Prod.	0.909	0.159
	Yield	248	141
Mahbubnagar	Area	0.39	1.1
	Prod.	0.089	0.306
	Yield	227	282
Medak	Area	0.27	0.610
	Prod.	0.08	0.187
	Yield	296	307
Nalgonda	Area	1.549	0.608
	Prod.	0.33	0.057
	Yield	213	94
Nizamabad	Area	4.047	5.2
	Prod.	1.623	2.4
	Yield	401	467
Ranga Reddy	Area	0.214	0.236
	Prod.	0.049	0.047
	Yield	227	198
Warangal	Area	3.095	2.9
	Prod.	0.713	0.674
	Yield	230	234

Uttar Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Agra	Area	1.6	1	0.9	1.1	0.1	1.4	0.6	3.8	2.2	2.2	2.1	1.8
	Prod.	0.5	0.2	0.1	0.2	0.019	0.2	0.1	0.4	0.4	0.5	0.4	0.2
	Yield	313	200	111	200	182	190	143	167	105	182	191	111
Aligarh	Area	0.034	0.027	0.019	0.033	0.015	0.028	0.029	0.1	0.2	0.099	0.047	0.046
	Prod.	0.01	0.004	0.002	0.005	0.002	0.002	0.004	0.005	0.03	0.022	0.009	0.007
	Yield	294	148	105	152	182	133	143	172	150	222	192	152
Allahabad	Area	0.7	0.4	0.4	0.5	0.6	0.5	0.5	0.8	0.7	1	0.7	0.5
	Prod.	0.2	0.1	0.1	0.1	0.077	0.1	0.057	0.1	0.1	0.2	0.1	0.078
	Yield	286	250	250	200	167	154	200	114	143	200	143	156
Ambedkar Nagar	Area	0.014	0.016	0.013	0.009	0.012	0.007	0.002	--	0.006	0.006	0.01	0.021
	Prod.	0.003	0.003	0.002	0.002	0.002	0.001	0.001	--	0.001	0.001	0.002	0.003
	Yield	214	188	154	222	167	125	143	--	167	167	200	143
Amethi	Area	--	--	--	--	--	--	--	--	0.1	0.7	0.6	0.5
	Prod.	--	--	--	--	--	--	--	--	0.019	0.2	0.1	0.08
	Yield	--	--	--	--	--	--	--	--	190	286	167	160
Amroha	Area	0.002	--	0.014	0.012	0.008	--	0.008	--	0.017	0.007	0.023	--
	Prod.	0.001	--	0.002	0.002	0.002	--	0.001	--	0.003	0.002	0.004	--
	Yield	500	--	143	167	250	--	125	--	177	286	174	--
Auraiya	Area	0.028	0.016	0.025	0.089	0.071	0.093	0.4	0.8	0.7	1	1	0.7
	Prod.	0.005	0.003	0.003	0.014	0.013	0.016	0.061	0.1	0.069	0.2	0.2	0.025
	Yield	179	188	120	157	183	172	153	125	99	300	200	36
Azamgarh	Area	0.043	0.057	0.07	0.066	0.047	0.056	0.06	0.061	0.057	0.065	0.058	0.08
	Prod.	0.011	0.009	0.009	0.01	0.008	0.009	0.009	0.01	0.006	0.014	0.011	0.012
	Yield	256	158	129	152	170	161	150	164	105	215	190	150

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bagpat	Area	0.001	0.002	0.001	--	--	--	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--
Bahraich	Area	0.5	0.6	0.6	0.5	0.3	1	0.6	0.6	0.7	0.5	0.5	0.4
	Prod.	0.1	0.095	0.072	0.079	0.048	0.08	0.1	0.1	0.064	0.1	0.1	0.088
	Yield	200	158	120	158	160	160	100	167	107	143	200	176
Ballia	Area	--	0.002	0.001	0.004	0.001	--	--	--	--	--	--	--
	Prod.	--	--	--	0.001	--	--	--	--	--	--	--	--
	Yield	--	--	--	250	--	--	--	--	--	--	--	--
Balrampur	Area	0.007	0.003	0.025	0.027	0.025	0.028	0.02	0.019	0.017	0.034	0.019	0.033
	Prod.	0.002	0.001	0.003	0.004	0.005	0.004	0.003	0.002	0.003	0.007	0.004	0.005
	Yield	286	333	120	148	200	167	143	150	105	177	206	211
Banda	Area	0.9	0.6	1.1	1.5	1.1	2	2.2	6.2	15.2	17.4	17.4	14.2
	Prod.	0.079	0.079	0.088	0.1	0.1	0.2	0.5	0.4	0.3	2.7	1.8	3.3
	Yield	88	132	80	67	91	154	250	182	48	178	103	190
Barabanki	Area	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.2	0.3	0.3	0.2	0.4
	Prod.	0.069	0.041	0.025	0.035	0.036	0.037	0.039	0.023	0.019	0.05	0.067	0.045
	Yield	230	137	125	175	180	185	130	230	95	167	223	225
Bareilly	Area	1.8	1.1	2	3.1	0.6	3.1	2.1	3.8	4.2	3.9	3.3	2.8
	Prod.	0.5	0.079	0.9	0.3	0.1	0.3	0.4	0.6	0.4	0.6	0.4	0.4
	Yield	278	72	450	97	167	97	191	158	108	95	154	121
Basti	Area	0.2	0.2	0.2	0.2	0.078	0.071	0.1	0.1	0.2	0.2	0.2	0.2
	Prod.	0.05	0.033	0.024	0.025	0.014	0.012	0.02	0.023	0.019	0.033	0.035	0.025
	Yield	250	165	120	125	180	169	200	230	95	165	175	150
Bijnor	Area	0.3	0.2	0.2	0.3	0.092	0.2	0.3	0.01	0.3	0.1	0.025	0.015
	Prod.	0.074	0.033	0.02	0.044	0.016	0.035	0.053	0.002	0.027	0.034	0.023	0.002
	Yield	247	165	100	147	174	175	177	200	90	170	230	133

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Budaun	Area	2.3	2.2	1.9	2.4	2.2	1.4	2	1.8	1.9	3.5	2.4	2.6	1.4
	Prod.	0.6	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.8	0.4	0.5	0.2
	Yield	261	91	105	125	91	143	100	111	158	229	167	192	143
Bulandshahr	Area	0.023	0.003	0.003	0.006	--	0.005	--	0.017	0.009	0.012	0.006	0.003	0.008
	Prod.	0.006	0.001	0.001	0.001	--	0.001	--	0.003	0.001	0.002	0.001	0.001	0.001
	Yield	261	333	333	167	--	200	--	177	111	167	167	333	125
Chandauli	Area	0.029	0.018	0.004	0.029	0.003	--	0.019	--	0.009	0.004	0.017	0.015	0.018
	Prod.	0.007	0.003	0.001	0.005	0.001	--	0.003	--	0.001	0.001	0.004	0.003	0.003
	Yield	241	167	250	172	333	--	158	--	111	250	235	200	167
Chitrakoot	Area	0.5	0.2	0.3	0.4	0.4	0.5	0.6	0.3	1.3	2.6	2.9	3.8	1.2
	Prod.	0.046	0.023	0.023	0.043	0.035	0.079	0.058	0.033	0.061	0.3	0.4	0.6	0.1
	Yield	92	115	77	108	88	158	97	110	47	115	138	158	83
Deoria	Area	0.3	0.1	0.1	0.1	0.2	0.2	0.058	0.1	0.02	0.08	0.081	0.093	0.088
	Prod.	0.065	0.019	0.017	0.017	0.034	0.041	0.009	0.017	0.002	0.016	0.018	0.017	0.013
	Yield	217	190	170	170	170	205	155	170	100	200	222	183	148
Etah	Area	0.5	0.4	0.4	0.4	0.4	0.6	0.4	0.5	0.2	0.4	0.9	0.5	0.5
	Prod.	0.1	0.057	0.054	0.059	0.074	0.098	0.055	0.078	0.02	0.076	0.2	0.099	0.071
	Yield	200	143	135	148	185	163	138	156	100	190	222	198	142
Etawah	Area	0.2	0.09	0.075	0.2	0.4	0.2	1.5	0.8	1.4	1.3	1	1	0.9
	Prod.	0.027	0.015	0.01	0.035	0.077	0.037	0.2	0.1	0.1	0.3	0.3	0.2	0.03
	Yield	135	167	133	175	193	185	133	125	71	231	300	200	33
Faizabad	Area	0.039	0.024	0.003	0.001	--	0.005	--	0.005	--	0.018	0.033	0.035	0.06
	Prod.	0.01	0.004	--	--	--	0.001	--	0.001	--	0.004	0.007	0.007	0.009
	Yield	256	167	--	--	--	200	--	200	--	222	212	200	150
Farrukhabad	Area	1.2	1.1	1.2	1	0.2	1	0.7	1.3	1.6	1.7	2	2.3	1.8
	Prod.	0.2	0.2	0.2	0.2	0.034	0.2	0.1	0.2	0.2	0.3	0.5	0.5	0.062
	Yield	167	182	167	200	170	200	143	154	125	177	250	217	34

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Fatehpur	Area	5.4	4.5	4.9	5.6	4.9	6.1	7.2	3.2	6.8	10.4	10.9	10.2	8.3
	Prod.	1.4	1.5	1.3	1.4	1.2	1	1.7	0.4	0.7	2.1	2.8	2	1.4
	Yield	259	333	265	250	245	164	236	125	103	202	257	196	169
Firozabad	Area	0.7	0.3	0.3	0.7	0.4	0.8	1.1	0.7	2.6	1.8	1.3	2.2	1
	Prod.	0.2	0.048	0.04	0.1	0.066	0.1	0.2	0.1	0.3	0.3	0.3	0.4	0.1
	Yield	286	160	133	143	165	125	182	143	115	167	231	182	100
Gautam Buddha Nagar	Area	0.008	--	0.001	0.001	--	0.001	--	--	0.002	--	0.002	--	--
	Prod.	0.002	--	--	--	--	--	--	--	0.001	--	--	--	--
	Yield	250	--	--	--	--	--	--	--	500	--	--	--	--
Ghaziabad	Area	0.001	--	--	0.001	--	--	--	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	--
Ghaziipur	Area	0.037	0.049	0.049	0.047	0.049	0.057	0.057	--	0.061	0.053	0.043	0.047	0.04
	Prod.	0.009	0.008	0.006	0.007	0.008	0.01	0.009	--	0.006	0.01	0.009	0.009	0.006
	Yield	243	163	122	149	163	175	158	--	98	189	209	192	150
Gonda	Area	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.094	0.2	0.1	0.3	0.3
	Prod.	0.038	0.019	0.014	0.018	0.019	0.021	0.024	0.017	0.01	0.032	0.03	0.06	0.051
	Yield	190	190	140	180	190	210	120	170	106	160	300	200	170
Gorakhpur	Area	0.2	0.2	0.2	0.2	0.3	0.2	1	0.021	0.3	0.3	0.2	0.2	0.2
	Prod.	0.041	0.032	0.025	0.024	0.056	0.034	0.2	0.003	0.028	0.058	0.053	0.036	0.031
	Yield	205	160	125	120	187	170	200	143	93	193	265	180	155
Hamirpur	Area	4	2.5	3.6	6.9	3.6	9.8	8.4	7.1	29.6	34.5	35	33.6	45.3
	Prod.	0.8	0.4	0.4	0.7	0.3	1.6	0.9	0.8	1.4	3	5.6	6.9	8.6
	Yield	200	160	111	101	83	163	107	113	47	87	160	205	190
Hardoi	Area	12	10.9	11.4	10.7	12.3	10.7	11.6	13.9	22.4	25.6	22.4	20.9	18.1
	Prod.	4.3	2.9	2	2.5	2.3	3	3.1	3	3.6	5.3	4.1	4.3	3.8
	Yield	358	266	175	234	187	280	267	216	161	207	183	206	210

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Hathras (Mahamaya Nagar)	Area	0.047	0.035	0.012	0.03	0.048	0.03	0.015	0.2	0.082	0.2	0.099	0.091	
	Prod.	0.013	0.006	0.002	0.005	0.009	0.005	0.002	0.009	0.042	0.027	0.018	0.013	
	Yield	277	171	167	167	188	167	133	125	110	210	270	182	143
Jalaun	Area	8.5	3.1	8.9	15.6	14.7	26.7	27	37.8	61.1	49.7	41.7	30.3	34
	Prod.	2.2	0.4	0.5	2.5	5	4.1	3.4	7.9	7.7	8.3	5.8	4.4	1.8
	Yield	259	129	56	160	340	154	126	209	126	167	139	145	53
Jaunpur	Area	0.4	0.3	0.4	0.5	0.4	0.6	0.4	0.4	0.3	0.4	0.4	0.5	0.8
	Prod.	0.1	0.054	0.049	0.076	0.066	0.096	0.063	0.07	0.027	0.079	0.083	0.1	0.1
	Yield	250	180	123	152	165	160	158	175	90	198	208	200	125
Jhansi	Area	2.5	1.1	3.2	8.2	3.2	8.2	18.4	44.9	87	76.6	97.3	106.8	64.5
	Prod.	0.3	0.1	0.3	0.8	0.6	1.7	2.7	6.4	3.3	24.1	34.2	23.1	11.2
	Yield	120	91	94	98	188	207	147	143	38	315	352	216	174
Kannauj	Area	1.5	1.3	1.3	1.5	1.3	1.5	1.3	1.4	1.9	2.3	2	2.5	1.9
	Prod.	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.5	0.5	0.066
	Yield	133	154	154	133	154	200	154	143	105	217	250	200	35
Kanpur Dehat (Ramabai Nagar)	Area	--	--	0.9	1.4	0.6	1.4	1.3	1.2	1.3	1.4	1.3	1.2	2.4
	Prod.	--	--	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.083
	Yield	--	--	111	143	167	143	154	167	77	214	231	167	35
Kanpur Nagar	Area	3.3	2.6	2.1	2.2	2.3	1.7	2.1	1.7	2.6	2.4	2.3	3.2	2.5
	Prod.	0.5	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.5	0.6	0.6	0.088
	Yield	152	154	143	182	174	177	143	177	115	208	261	188	35
Kasganj (Kanshi Ram Nagar)	Area	--	--	--	--	--	--	--	--	0.2	0.7	0.6	0.6	0.7
	Prod.	--	--	--	--	--	--	--	--	0.018	0.1	0.1	0.1	0.1
	Yield	--	--	--	--	--	--	--	--	90	143	167	167	143
Kaushambi	Area	0.9	0.5	1.3	1.7	0.7	3.1	2	1.8	2.4	3	1.3	1.3	1.5
	Prod.	0.2	0.2	0.3	0.4	0.2	0.5	0.5	0.2	0.7	0.6	0.3	0.3	0.3
	Yield	222	400	231	235	286	161	250	111	292	200	231	231	200

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Kushinagar	Area	0.03	0.025	0.019	0.069	0.022	0.1	0.096	0.084	0.2	0.069	0.063	0.077	
	Prod.	0.008	0.004	0.003	0.011	0.004	0.018	0.016	0.009	0.038	0.015	0.012	0.011	
	Yield	267	160	158	159	182	180	170	167	107	190	217	191	143
Lakhimpur Kheri	Area	5.2	4.6	4.1	4.7	4.1	3.4	3.7	4.4	5	4.8	4.3	3.5	3.4
	Prod.	1.3	0.6	0.3	0.5	0.5	0.3	0.4	0.3	0.5	1.2	1.1	0.8	0.9
	Yield	250	130	73	106	122	88	108	68	100	250	256	229	265
Lalitpur	Area	3.5	2.6	3.9	8.1	5.2	13.2	6	9.1	11.5	14.5	15.5	12.2	7.3
	Prod.	0.5	0.1	0.6	1.2	0.6	2.1	0.9	1.5	3.5	3.9	3.3	2.2	0.6
	Yield	143	39	154	148	115	159	150	165	304	269	213	180	82
Lucknow	Area	1.1	0.7	0.7	0.9	0.7	1	0.7	0.8	0.9	0.9	0.6	0.9	0.9
	Prod.	0.2	0.1	0.094	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2
	Yield	182	143	134	111	143	200	143	250	222	222	167	222	222
Maharajganj	Area	0.081	0.09	0.085	0.1	0.001	0.1	0.2	0.003	0.1	0.05	0.048	0.074	0.083
	Prod.	0.02	0.014	0.011	0.022	--	0.022	0.033	0.001	0.011	0.01	0.01	0.014	0.012
	Yield	247	156	129	220	--	220	165	333	110	200	208	189	145
Mahoba	Area	4.5	2.9	4.6	7.8	4.4	10	10.1	19.4	30.9	26.8	24.9	31.1	30.4
	Prod.	0.4	0.3	0.3	0.8	0.4	1.6	0.8	2.1	1.4	3.6	2.9	3.9	3.2
	Yield	89	103	65	103	91	160	79	108	45	134	117	125	105
Mainpuri	Area	0.087	0.021	0.1	0.078	0.1	0.078	0.3	0.3	0.3	0.2	0.2	0.3	0.5
	Prod.	0.025	0.003	0.017	0.013	0.022	0.013	0.043	0.042	0.028	0.046	0.051	0.056	0.05
	Yield	287	143	170	167	220	167	143	140	93	230	255	187	100
Mathura	Area	1.6	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.6	0.6	0.3	0.4	0.4
	Prod.	0.5	0.076	0.063	0.078	0.071	0.082	0.07	0.076	0.058	0.1	0.067	0.079	0.045
	Yield	313	152	126	156	178	164	140	152	97	167	223	198	113
Mau	Area	0.018	0.011	0.02	0.024	0.032	0.022	--	0.02	0.01	0.022	0.027	0.03	0.019
	Prod.	0.004	0.002	0.003	0.004	0.006	0.004	--	0.003	0.001	0.004	0.006	0.005	0.003
	Yield	222	182	150	167	188	182	--	150	100	182	222	167	158

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Meerut	Area	0.001	--	--	--	--	--	--	--	--	0.002	--	--	
	Prod.	--	--	--	--	--	--	--	--	--	0.001	--	--	
	Yield	--	--	--	--	--	--	--	--	--	500	--	--	
Mirzapur	Area	1.3	1	1.2	1.7	1.4	1.4	1.1	1.6	1.7	1.7	1.5	1.5	
	Prod.	0.2	0.094	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	
	Yield	154	94	250	118	143	71	118	182	125	118	59	67	133
Moradabad	Area	0.5	0.3	0.4	0.8	0.3	0.7	0.9	0.9	0.8	0.8	0.017	0.026	
	Prod.	0.1	0.048	0.047	0.1	0.05	0.1	0.2	0.1	0.095	0.1	0.2	0.003	0.004
	Yield	200	160	118	125	167	143	143	111	106	125	250	177	154
Muzaffarnagar	Area	0.002	--	0.006	0.011	--	0.003	0.038	--	0.006	0.004	--	--	
	Prod.	0.001	--	0.001	0.002	--	0.001	0.006	--	0.001	0.001	--	--	
	Yield	500	--	167	182	--	333	250	158	--	167	250	--	
Pilibhit	Area	0.5	0.5	0.3	0.6	0.3	0.7	0.4	1.3	0.8	0.9	1.1	0.9	
	Prod.	0.1	0.039	0.03	0.1	0.047	0.085	0.1	0.039	0.1	0.1	0.1	0.093	
	Yield	200	78	100	167	157	121	77	98	77	125	91	103	
Pratapgarh	Area	0.8	0.6	0.4	0.8	0.4	0.7	0.6	1.5	0.7	0.6	0.6	0.6	
	Prod.	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.065	0.2	0.2	0.1	0.096	
	Yield	250	333	250	250	250	143	286	108	133	333	167	160	
Raebareli	Area	1.9	1.7	1.9	1.9	1.8	1.9	2	3.5	2.6	2.8	2.6	3.1	
	Prod.	0.4	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.7	0.4	0.5	0.6	
	Yield	211	177	105	158	167	211	200	250	200	154	179	194	
Rampur	Area	0.049	0.037	0.021	0.004	0.036	0.004	0.2	0.06	0.011	0.003	0.025	0.039	
	Prod.	0.012	0.006	0.003	0.001	0.006	0.001	0.026	0.01	0.001	0.001	0.005	0.006	
	Yield	245	162	143	250	167	250	130	167	91	333	200	154	
Saharanpur	Area	0.063	0.2	0.086	0.2	0.088	0.2	0.2	0.2	0.067	0.071	0.081	0.087	
	Prod.	0.015	0.038	0.011	0.027	0.016	0.039	0.04	0.027	0.025	0.015	0.015	0.013	
	Yield	238	190	128	135	182	195	133	135	125	211	185	149	

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sambhal (Bheem Nagar)	Area	--	--	--	--	--	--	--	--	--	--	1.4	0.7
	Prod.	--	--	--	--	--	--	--	--	--	--	0.3	0.1
	Yield	--	--	--	--	--	--	--	--	--	--	214	143
Sant Kabir Nagar	Area	--	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.5
	Prod.	--	0.02	0.014	0.02	0.019	0.021	0.018	0.017	0.034	0.038	0.023	0.08
	Yield	--	200	140	200	190	210	180	85	170	190	230	160
Sant Ravidas Nagar	Area	0.4	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
	Prod.	0.058	0.019	0.033	0.038	0.023	0.025	0.04	0.034	0.049	0.041	0.047	0.054
	Yield	145	95	165	127	115	125	133	113	163	137	235	270
Shahjahanpur	Area	10.1	11.5	9.5	8	9.3	6.8	6.3	7.2	8	8.3	8.4	7.2
	Prod.	3.3	1.4	0.2	2.3	1.4	0.5	0.6	0.3	0.5	0.8	0.9	0.6
	Yield	327	122	21	288	151	104	88	48	69	100	107	83
Shamli	Area	--	--	--	--	--	--	--	--	--	--	0.021	0.023
	Prod.	--	--	--	--	--	--	--	--	--	--	0.004	0.003
	Yield	--	--	--	--	--	--	--	--	--	--	191	130
Shravasti	Area	0.6	0.6	0.3	0.3	0.3	0.5	0.3	0.2	0.7	0.6	0.4	0.3
	Prod.	0.2	0.098	0.042	0.047	0.059	0.061	0.079	0.048	0.022	0.1	0.07	0.043
	Yield	333	163	140	157	197	153	158	160	110	143	175	143
Siddharthnagar	Area	0.1	--	--	--	--	--	--	--	--	--	--	0.008
	Prod.	0.032	--	--	--	--	--	--	--	--	--	--	0.001
	Yield	320	--	--	--	--	--	--	--	--	--	--	125
Sitapur	Area	8	6.8	7.8	10.2	7.3	11	10	6.7	10.5	10.8	9.8	8.5
	Prod.	1.8	0.8	0.7	1.1	0.9	1.3	1.1	1.3	4.4	1.7	2.6	2.1
	Yield	225	118	90	108	123	118	110	194	419	198	241	245
Sonbhadra	Area	5.5	5	5.7	4.6	7.7	4.7	6	4.8	4.4	6.2	6.4	4.3
	Prod.	0.5	0.5	1.2	0.7	0.6	0.5	0.8	0.6	0.6	1.3	1.1	1.1
	Yield	91	100	211	152	78	106	133	125	136	210	250	256

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sultanpur	Area	0.3	0.3	0.4	0.1	0.4	0.4	0.4	0.5	0.5	0.017	0.3	0.5
	Prod.	0.084	0.041	0.045	0.058	0.068	0.068	0.064	0.056	0.1	0.004	0.054	0.08
	Yield	280	137	150	145	260	170	160	112	200	235	180	160
Unnao	Area	5.4	3.7	4.2	5.6	3.7	3.9	5.9	8.2	11.7	11.8	11.8	11.8
	Prod.	2.8	0.7	0.6	0.9	0.8	1.4	2.5	1.2	0.6	0.8	1.1	1.5
	Yield	519	189	143	161	167	378	410	424	51	68	93	127
Varanasi	Area	0.069	0.078	0.082	0.2	0.096	0.3	0.3	0.1	0.4	0.5	0.5	0.6
	Prod.	0.017	0.012	0.011	0.036	0.017	0.009	0.053	0.011	0.088	0.1	0.092	0.094
	Yield	246	154	134	180	177	164	177	180	220	200	184	157

Uttarakhand

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Almora	Area	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.096	0.2
	Prod.	0.023	0.013	0.016	0.04	0.033	0.026	0.035	0.038	0.03	0.027	0.024	0.042
	Yield	230	130	160	200	165	260	175	210	190	300	270	250	210
Bageshwar	Area	0.01	--	0.007	0.023	0.02	0.008	0.024	0.005	0.014	0.014	0.003	0.003
	Prod.	0.002	--	0.001	0.005	0.005	0.002	0.005	0.001	0.004	0.004	0.001	0.001
	Yield	200	--	143	217	250	250	208	200	286	286	333	333
Chamoli	Area	0.025	0.035	0.016	0.027	0.019	0.02	0.038	0.022	0.035	0.021	0.012	0.018
	Prod.	0.004	0.004	0.002	0.006	0.005	0.005	0.008	0.004	0.006	0.004	0.003	0.004
	Yield	160	114	125	222	263	250	211	182	171	191	250	222
Champawat	Area	0.017	0.014	0.014	0.033	0.009	0.007	0.044	0.034	0.043	0.029	0.069	0.1
	Prod.	0.003	0.002	0.002	0.007	0.002	0.001	0.01	0.006	0.008	0.005	0.018	0.025
	Yield	177	143	143	212	222	143	227	177	186	172	261	250
Dehradun	Area	0.5	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.072	0.08	0.073
	Prod.	0.1	0.043	0.034	0.043	0.05	0.035	0.033	0.039	0.03	0.017	0.02	0.016
	Yield	200	143	170	215	250	350	330	195	300	236	250	219
Haridwar	Area	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2
	Prod.	0.065	0.032	0.073	0.068	0.076	0.083	0.084	0.066	0.064	0.066	0.055	0.053
	Yield	217	160	243	227	253	415	420	220	213	220	275	265
Nainital	Area	0.017	0.025	0.015	0.025	0.023	0.015	0.017	0.005	0.015	0.011	0.022	0.025
	Prod.	0.003	0.003	0.003	0.006	0.006	0.004	0.004	0.001	0.003	0.001	0.006	0.004
	Yield	177	120	200	240	261	267	235	200	200	91	273	160
Pauri Garhwal	Area	0.067	0.085	0.058	0.1	0.1	0.082	0.093	0.091	0.081	0.052	0.052	0.051
	Prod.	0.011	0.009	0.007	0.026	0.024	0.014	0.019	0.016	0.016	0.01	0.017	0.016
	Yield	164	106	121	260	240	171	204	176	198	192	327	314

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Pithoragarh	Area	0.01	0.027	0.024	0.021	0.025	0.052	0.022	0.056	0.051	0.058	0.021	0.061
	Prod.	0.002	0.004	0.003	0.005	0.006	0.01	0.004	0.012	0.013	0.015	0.006	0.017
	Yield	200	148	125	238	240	192	182	215	214	255	286	279
Rudraprayag	Area	0.017	0.003	0.015	0.017	0.029	0.027	0.021	0.024	0.007	0.012	0.026	0.027
	Prod.	0.003	--	0.002	0.004	0.006	0.006	0.005	0.004	0.001	0.003	0.009	0.009
	Yield	177	--	133	235	207	222	238	167	143	250	346	333
Tehri Garhwal	Area	0.4	0.7	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4
	Prod.	0.047	0.081	0.064	0.1	0.081	0.079	0.063	0.048	0.046	0.078	0.1	0.1
	Yield	118	116	160	200	203	198	158	160	153	195	250	250
Udham Singh Nagar	Area	0.004	0.005	0.005	0.007	0.01	0.012	0.002	0.014	0.005	0.003	--	0.002
	Prod.	0.001	0.001	0.001	0.002	0.003	0.003	0.001	0.003	0.001	0.001	--	0.001
	Yield	250	200	200	286	300	250	500	214	200	333	--	500
Uttarkashi	Area	0.8	0.6	0.7	0.7	0.9	0.7	0.8	0.7	0.8	0.7	0.7	0.6
	Prod.	0.1	0.077	0.086	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Yield	125	128	123	286	333	286	250	286	250	286	286	333

West Bengal

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bankura	Area	11.8	14.1	36.4	19.5	15.4	31.3	28.68	28.067	21.627	17.403	19.886	18.33
	Prod.	7.7	9.5	24.9	11.3	11.3	19.7	20.87	14.977	12.392	12.45	16.599	14.547
	Yield	653	674	684	580	734	629	728	534	573	715	835	980	794
Bardhaman	Area	5.5	4.5	11.5	7.7	10.9	25.5	22.821	20.205	16.934	13.736	11.877	15.625
	Prod.	3.7	3.9	9.7	6	10.5	21.4	16.712	9.703	13.1	13.032	11.955	15.064
	Yield	673	867	844	779	963	839	732	480	770	948	1007	964
Birbhum	Area	1.5	1.5	1.8	2.4	1.9	3	3.316	4.4	4.8	5.277	5.422	5.085
	Prod.	1.1	1.2	1.6	1.7	1.7	2.8	3.211	2.5	3.1	3.919	2.945	3.855
	Yield	733	800	889	708	895	933	968	568	646	743	543	758
Cooch Behar	Area	0.4	0.4	0.2	0.8	0.5	0.5	0.504	0.501	0.504	0.503	0.622	0.574
	Prod.	0.2	0.3	0.2	0.5	0.4	0.4	0.365	0.369	0.27	0.356	0.422	0.45
	Yield	500	750	1000	625	800	800	724	737	536	708	678	784
Dakshin Dinajpur	Area	0.055	0.077	0.048	--	--	0.023	--	--	--	--	--	--
	Prod.	0.028	0.04	0.026	--	--	0.016	--	--	--	--	--	--
	Yield	509	520	542	--	--	696	--	--	--	--	--	--
Darjeeling	Area	0.3	0.2	0.2	0.2	0.2	0.1	0.126	0.13	0.122	0.115	0.109	0.167
	Prod.	0.1	0.1	0.1	0.08	0.092	0.066	0.044	0.091	0.069	0.066	0.059	0.11
	Yield	333	500	500	400	460	660	349	700	566	574	541	659
Hooghly	Area	14.8	11.5	22.9	17.6	19.1	22.6	26.9	30.8	29.742	25.488	31.716	32.467
	Prod.	11.8	8	21.2	16.8	20.3	23.1	27	21.3	21.7	28.677	24.966	32.462
	Yield	797	696	926	955	1063	1022	1004	692	816	964	980	1000
Howrah	Area	1	0.9	2.9	2.3	2.5	1.7	0.9	1.7	2.7	1.985	1.461	1.489
	Prod.	0.7	1	2.9	2.4	3.2	2.3	1	1.6	2.6	0.983	2.544	1.121
	Yield	700	1111	1000	1044	1280	1353	1111	941	963	947	1282	753

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Jaipalguri	Area	1	1.3	1.4	1.3	1.4	1.376	1.376	1.376	1.455	1.575	1.347	1.295
	Prod.	0.6	1	0.9	0.9	1.1	1.2	0.912	0.912	0.982	0.894	1.053	0.867
	Yield	600	769	643	643	846	857	881	663	675	568	782	669
Maldah	Area	0.3	0.2	0.1	0.1	0.1	0.098	0.159	0.117	0.213	0.298	0.299	0.43
	Prod.	0.087	0.075	0.043	0.045	0.049	0.045	0.063	0.075	0.101	0.156	0.202	0.308
	Yield	290	375	430	450	490	459	463	396	474	523	676	716
Murshidabad	Area	4.1	4.6	14.2	14.9	14.8	13.348	17.931	15.998	17.707	15.726	18.611	18.714
	Prod.	3.1	3.8	14.6	14	14.7	13.375	16.565	16.959	14.4	14.638	13.185	17.349
	Yield	756	826	1028	940	993	1000	924	1060	813	931	708	927
Nadia	Area	15.1	15.9	14.3	16.3	15.4	19.735	22.635	20.63	20.529	23.906	29.057	29.184
	Prod.	13.9	17.3	14.9	14.3	15.6	22.117	23.816	21.814	21.829	24.892	31.876	34.637
	Yield	921	1088	1042	877	1013	1051	1052	1057	1063	1041	1097	1187
North 24 Parganas	Area	3	4.1	4.7	5.9	9.3	11.8	7.7	6.91	6.219	8.231	8.756	10.505
	Prod.	2.9	4	4.9	6.3	9.5	11.9	8.4	8.806	7.024	8.62	9.858	13.105
	Yield	967	976	1043	1068	1022	1009	1091	1274	1129	1047	1126	1248
Paschim Medinipur	Area	31	42.1	46.9	53.8	52.3	69.845	63.525	60.29	--	--	--	--
	Prod.	28.8	34.4	43.4	45.9	44	65.529	29.817	44.468	--	--	--	--
	Yield	929	817	925	853	841	938	469	738	--	--	--	--
Purba Medinipur	Area	9	0.2	0.6	0.7	0.7	0.775	0.74	0.88	--	--	--	--
	Prod.	10.6	0.1	0.5	0.5	1	0.634	0.916	0.732	--	--	--	--
	Yield	1178	500	833	714	1429	1667	1238	832	--	--	--	--
Purulia	Area	0.9	1.2	0.7	0.8	0.7	0.6	0.8	0.415	0.508	0.41	0.491	1.045
	Prod.	0.5	0.5	0.3	0.3	0.3	0.221	0.395	0.198	0.235	0.19	0.227	0.533
	Yield	556	417	429	375	429	368	494	477	463	463	462	510

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
South 24 Parganas	Area	1	1.3	2.1	2.2	1.6	1.5	1.4	3.4	2.596	2.794	2.449	2.684
	Prod.	1.2	1.2	2.1	3.2	1.9	2	1.6	5.4	2.432	2.987	2.604	3.384
	Yield	1200	923	1000	1455	1188	1333	846	1143	937	1069	1063	1261
Uttar Dinajpur	Area	7.9	6.8	2.1	1.9	1.9	1	0.959	1.085	1.109	0.993	1.481	1.89
	Prod.	3.6	3	0.8	0.8	0.6	0.6	0.449	0.568	0.484	0.518	0.873	1.205
	Yield	456	441	381	421	316	600	468	631	446	522	589	638
West Dinajpur	Area	31.09	42.1	46.9	--	--	--	--	--	--	--	--	--
	Prod.	28.836	34.4	43.4	--	--	--	--	--	--	--	--	--
	Yield	928	817	925	--	--	--	--	--	--	--	--	--

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Co-operation and Farmers Welfare Ministry of Agriculture and Farmers Welfare, GOI.
<http://eands.dacnet.nic.in/>
 Various State DES websites and State Department of Agriculture websites.

6. SUNFLOWER

6.1 World Area, Production and Yield of Sunflower

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1986	15415	20792	1349
1987	15255	20610	1351
1988	15118	20575	1361
1989	15209	21410	1408
1990	17036	22706	1333
1991	17074	22955	1344
1992	18209	21984	1207
1993	18810	20012	1064
1994	18533	21874	1180
1995	20947	26298	1255
1996	20500	24861	1213
1997	18834	23367	1241
1998	20774	25061	1206
1999	23876	29190	1223
2000	21201	26498	1250
2001	17918	20550	1147
2002	19612	24609	1255
2003	23605	27521	1166
2004	21598	26151	1211
2005	23217	30729	1324
2006	24257	31793	1311
2007	21509	26486	1231
2008	25382	36274	1429
2009	24357	32820	1347
2010	23108	31520	1364
2011	25700	40836	1589
2012	24805	37087	1495
2013	25474	44466	1746
2014	24762	41335	1669

Source: <http://faostat3.fao.org>

6.2 Area, Production and Yield of Sunflower in Major Countries of the World

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Argentina	Area	1903.9	2014.9	2324.5	1835.2	1922.9	2167.1	2351.3	2569.1	1820	1495.3	1743	1823.4	1261.6	
	Prod.	3179	3843.6	3714	3160.7	3662.1	3759.7	3497.7	4650.4	2483.4	2232	3671.7	3340.5	2063.4	
	Yield	1670	1908	1598	1722	1905	1735	1488	1810	1365	1493	2107	1832	1916	1636
Australia	Area	82	79	47.4	72.4	47.9	77.5	17	48.4	51.8	26.6	37.2	40.2	30.3	27
	Prod.	77	70	25.7	56.7	60.9	98	21.1	73	55.3	41	42.5	47	44.3	38
	Yield	939	886	542	783	1271	1265	1241	1508	1068	1541	1143	1169	1462	1407
Bolivia (Plurinational State of)	Area	135	178.3	83	89	98.4	94.4	122.9	175.7	311.1	177.7	188.3	189.3	255.9	202.6
	Prod.	149.4	173.5	92	76.5	80.9	101	191.3	273.2	394.2	246.7	194	287.1	338.5	208
	Yield	1107	973	1108	860	822	1070	1557	1555	1267	1388	1030	1517	1323	1027
Brazil	Area	53	43	52	42	69	67.8	72.5	114.4	81.3	76.5	62.5	77.9	69.1	115.6
	Prod.	71	56	77	56	94	87.4	104.9	148.3	100.9	86.6	77.9	123.6	108.8	158.6
	Yield	1340	1302	1481	1333	1362	1289	1447	1296	1241	1132	1246	1587	1575	1372
Bulgaria	Area	389.5	471	659.6	592.8	635	750.5	602.4	721.7	683.7	729.9	747.1	780.8	878.6	843.6
	Prod.	405.1	645.4	788.8	1078.8	934.9	1196.6	564.4	1300.7	1318	1536.3	1439.7	1387.8	1974.4	2010.7
	Yield	1040	1370	1196	1820	1472	1594	937	1802	1928	2105	1927	1777	2247	2384
Canada	Area	66.8	94.6	105.6	55.4	70.8	76.9	78.9	68.8	63.5	51.4	13.8	39.7	27.5	29.1
	Prod.	103.8	157.4	142.3	52.2	84.4	157.3	124.8	112.2	101.9	67.6	19.8	86.9	51.9	55
	Yield	1554	1664	1348	942	1192	2046	1582	1631	1605	1315	1435	2189	1887	1890
China	Area	1015.8	1130.9	1173	934.9	1020.2	987.8	719.2	964.3	958.7	984	940.2	888.5	923.4	930
	Prod.	1477.8	1946	1743	1551.5	1927.9	1803	1186.8	1791.7	1955.6	2298	2313	2322.7	2423.2	2380
	Yield	1455	1721	1486	1660	1890	1825	1650	1858	2040	2335	2460	2614	2624	2559
France	Area	707.6	614.6	694	615.9	646.2	644.8	519.5	629.7	723.2	692.3	740.7	680	770.7	657.4
	Prod.	1584	1493.3	1505.1	1457.2	1510.5	1439.7	1311.3	1598.3	1716.3	1635.6	1880.7	1573	1582.4	1559.1
	Yield	2239	2430	2169	2366	2338	2233	2524	2538	2373	2363	2539	2313	2053	2372

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Hungary	Area	320	418	511.2	479.8	511.1	534.2	512.9	549.8	535.1	501.5	579.5	615.1	596.9
	Prod.	632.3	776.9	992	1186.2	1107.9	1180.7	1060.5	1468.1	1256.2	969.7	1374.8	1316.5	1484.4
	Yield	1976	1859	1941	2472	2168	2210	2068	2670	2348	1934	2372	2140	2487	2690
India	Area	1176.8	1642.2	2003.5	2160.6	2339.6	2160	1910	1812.8	1476.6	930	730	820	680
	Prod.	679.5	872.6	930.4	1186.7	1439	1228	1463	1158	850.7	651	517	544	504
	Yield	577	531	464	549	615	569	766	639	576	700	708	663	741
Iran (Islamic Republic of)	Area	78	79	79	78	79	65	65	67	67	67	68	68	70
	Prod.	40	41	42	41.7	42.4	42.6	42.6	47.2	64.3	75.6	72.8	74.4	76.2
	Yield	513	519	532	535	537	655	655	705	960	1128	1071	1094	1089
Italy	Area	209.8	167.1	150.8	124	129.9	144.6	126.3	114.5	123.8	100.5	118.1	111.7	127.6
	Prod.	414	351	237.4	274	289.4	308	278.7	260.9	280.2	212.9	274.4	185.5	285.2
	Yield	1973	2101	1574	2210	2228	2130	2207	2279	2263	2118	2324	1661	2235
Kazakhstan	Area	248.8	319.7	431	446.6	422	453.1	349.7	453.8	646.8	744.5	882.5	682.3	818.1
	Prod.	149.1	189.8	292.6	265.5	267.4	268	205.8	185.8	367.9	328.9	409.2	400.3	572.7
	Yield	599	594	679	595	634	592	589	409	569	442	464	587	700
Myanmar	Area	494.4	486.1	509.1	505	510	655	585	881.2	881.2	882.9	543.1	540	570
	Prod.	264	275	268	334	379	551	494	692	779.7	782.2	489.7	350	360
	Yield	534	566	526	661	743	841	844	785	885	886	902	648	632
Pakistan	Area	62.3	106	107.7	255.7	264	325.1	323.1	397.3	319.7	256.1	300.6	236	196.1
	Prod.	108	184	128.5	358.5	327.7	348.3	407.2	603.9	420.5	325.5	404.4	282.9	243.4
	Yield	1734	1736	1193	1402	1241	1071	1260	1520	1315	1271	1345	1199	1241
Republic of Moldova	Area	208.4	256.7	352.4	270.6	275.7	287.4	233.6	278	224.3	250.2	274.2	295.7	275
	Prod.	254.5	317.5	390	335.2	331.1	379.9	155.5	371.9	284.2	382.3	427.4	296.2	504.5
	Yield	1221	1237	1107	1239	1201	1322	666	1338	1267	1528	1559	1002	1835
Romania	Area	800.3	860.1	1153.3	925.6	957.1	981.9	748.5	808.8	761.1	786.1	993.3	1064.8	1072.1
	Prod.	823.5	1002.8	1506.4	1557.8	1340.9	1526.2	546.9	1169.9	1098	1262.9	1789.3	1398.2	2142.1
	Yield	1029	1166	1306	1683	1401	1554	731	1447	1443	1607	1801	1313	1998

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Russian Federation	Area	3451.6	3782.4	4882.8	4708.8	5411	5942.7	5002.5	5597.9	5575.1	7221	6158.5	6795	6443.4
	Prod.	2685	3684.4	4870.6	4800.7	6440.9	6743.4	5671.4	6454.3	5344.8	9697.5	7992.7	10553.7	9033.7
	Yield	778	974	998	1020	1190	1135	1134	1229	1153	959	1343	1298	1553	1402
Serbia	Area	--	--	--	--	--	186.4	154.8	187.8	169.4	174.3	185.9	188.2	175.4
	Prod.	--	--	--	--	--	384.9	294.5	454.3	377.5	432	366	512.8	509.3
	Yield	--	--	--	--	--	2065	1903	2419	2234	2479	1969	2725	2904
Serbia and Montenegro	Area	163.2	150.2	199.4	188.9	197.8	--	--	--	--	--	--	--	--
	Prod.	317.9	279.8	353.8	437.6	350.8	--	--	--	--	--	--	--	--
	Yield	1948	1863	1774	2317	1774	--	--	--	--	--	--	--	--
Slovakia	Area	63.5	62.3	131	90	91.1	108.8	64.7	74.9	82.9	88.7	90.1	84.1	76.6
	Prod.	118.6	116.9	252.7	196.4	195.3	228.6	132.7	192.3	187.2	201	197.2	195.7	200.7
	Yield	1868	1876	1929	2182	2144	2101	2051	2567	2258	2266	2189	2327	2620
South Africa	Area	521.7	667.5	606.5	530	460	472.5	316.4	564.3	397.7	642.7	500	505	599
	Prod.	690.9	966.5	682.2	648	620	520	300	872	801	860	630	557	832
	Yield	1324	1448	1125	1223	1348	1101	948	1545	1260	1338	1260	1103	1389
Spain	Area	861.2	753.6	786.8	752.2	516.2	622.5	600.9	730.8	851.1	697.9	761.2	849.1	783
	Prod.	871	771.1	762.5	820.9	381.3	662.1	733.2	872.7	869.5	887	1090.2	619	1029.4
	Yield	1011	1023	969	1091	739	1064	1220	1194	1022	1271	813	1212	1253
Turkey	Area	510	550	545	550	566	585.4	554.7	578	584	641.3	605	609.8	657.5
	Prod.	650	850	800	900	975	1118	854.4	992	1057.1	1320	1370	1523	1637.9
	Yield	1275	1546	1468	1636	1723	1910	1540	1716	1810	2036	2265	2498	2491
Ukraine	Area	2396.1	2719.5	3810	3427	3689	3911.7	3411.4	4279.4	4193	4526	5081.7	5090.1	5212.2
	Prod.	2250.6	3270.5	4254.4	3050.1	4706.1	5324.3	4174.4	6526	6364	6771.5	8387.1	11050.5	10133.8
	Yield	939	1203	1117	890	1276	1361	1224	1525	1518	1496	1838	2171	1944
United Republic of Tanzania	Area	230	280	300	310	340	380	348	389	388.8	431.5	840	860	820
	Prod.	150	180	194	200	220	250	239	305	304.7	313.1	1125	1083	1050
	Yield	652	643	647	645	647	658	687	784	784	1044	1339	1259	1281

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
USA	Area	1034	877	889.1	692.4	1056.2	716.3	814.2	969.6	790.6	758.3	590	744.6	592.7	610.1
	Prod.	1550.7	1111.9	1208.9	929.7	1822.2	972.3	1301.3	1552.6	1377.3	1240.8	924.6	1241.1	917.1	1004.6
	Yield	1500	1268	1360	1343	1725	1357	1598	1601	1742	1636	1567	1667	1547	1647
Zimbabwe	Area	55	26.2	20	37.8	18.1	46.7	58	40	28.9	38	35	40	40	40
	Prod.	31.5	7.7	11	20.2	7.4	16.7	25.7	23	15	16	16	16	16	16
	Yield	573	294	550	534	409	358	382	397	375	408	421	457	400	400
Africa	Area	1054.4	1252.5	1293.4	1195.2	1136.8	1235.8	1098.1	1435	1778.9	1330.5	1933.6	1750	1816.3	1970.9
	Prod.	1109.3	1424.7	1254	1195.1	1143.6	1135.3	930.3	1611.3	1785.6	1319.9	2241	2131.5	2032.8	2398.4
	Yield	1052	1138	970	1000	1006	919	847	1123	1004	992	1159	1218	1119	1217
Americas	Area	3276.8	3345.8	3658.4	2858	3381	3235	3603.1	4065	3363.2	2806	2737.2	3001.2	2694	2325.8
	Prod.	5158.8	5532.7	5504.2	4501.3	5962.1	5237.3	5475	7005.8	4750.7	4243	5074.9	5230.9	4712.1	3645.9
	Yield	1574	1654	1505	1575	1763	1619	1520	1723	1413	1512	1854	1743	1749	1568
Asia	Area	3753	4502.4	5063.5	5108	5406.8	5400.9	4667.1	5298.8	5058.1	4625.6	4243.5	3966.7	3988.3	4059.1
	Prod.	3559	4553.3	4416.8	4830.9	5595.1	5551.8	4838.7	5630.9	5646.6	5934.7	5694	5509.5	5870.7	5783
	Yield	948	1011	872	946	1035	1028	1037	1063	1116	1283	1342	1389	1472	1425
Europe	Area	9751.8	10432.4	13542.1	12364	13245	14307.7	12123.9	14535.2	14104.8	14319.7	16748.7	16047.5	16945.3	16378.9
	Prod.	10645.7	13028.4	16320.6	15566.8	17967.4	19770.9	15221	21953.2	20581.7	19981	27783.1	24168.4	31805.7	29469.9
	Yield	1092	1249	1205	1259	1357	1382	1256	1510	1459	1395	1659	1506	1877	1799
Oceania	Area	82	79	47.4	72.4	47.9	77.5	17	48.4	51.8	26.6	37.2	40.2	30.3	27
	Prod.	77	70	25.7	56.7	60.9	98	21.1	73	55.3	41	42.5	47	44.3	38
	Yield	939	886	542	783	1271	1265	1241	1508	1068	1541	1143	1169	1462	1407
World	Area	17918	19612.1	23604.8	21597.6	23217.5	24256.9	21509.2	25382.4	24356.8	23108.4	25700.2	24805.6	25474.2	24761.7
	Prod.	20549.8	24609.1	27521.3	26150.8	30729.1	31793.3	26486.1	36274.2	32819.9	31519.6	40835.5	37087.3	44465.6	41335.2
	Yield	1147	1255	1166	1211	1324	1311	1231	1429	1348	1364	1589	1495	1746	1669

Source: <http://faostat3.fao.org>

6.3 All India Area, Production and Yield of Sunflower

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield	% Area under Irrigation	Year	Area	Production	Yield	% Area under Irrigation
1970-71	117	76	650	NA	1993-94	2667.8	1348.2	505	17.7
1971-72	117	76	650	NA	1994-95	1998.3	1219.5	610	18.2
1972-73	117	76	650	NA	1995-96	2120.9	1257.2	593	21
1973-74	237	169	713	NA	1996-97	1931.7	1249.7	647	21.1
1974-75	340	228	671	NA	1997-98	1743.4	889.6	510	21.6
1975-76	312	208	666	NA	1998-99	1824.7	950.1	521	20.1
1976-77	254.5	137.6	541	NA	1999-00	1288.1	690.1	536	23.3
1977-78	270.3	141.4	523	NA	2000-01	1073.8	649.9	605	27.6
1978-79	181.9	98.8	543	NA	2001-02	1176.8	679.5	577	24.1
1979-80	61.3	31.8	519	NA	2002-03	1642.2	872.6	531	22.9
1980-81	119.4	66.3	555	NA	2003-04	2003.5	930.4	464	15.4
1981-82	281.8	159	564	NA	2004-05	2160.6	1186.7	549	26.0
1982-83	462.2	229.7	497	NA	2005-06	2339.6	1439	615	24.9
1983-84	696	298.7	429	NA	2006-07	2164.8	1227.5	567	26.4
1984-85	834.6	439.8	527	NA	2007-08	1911.6	1463.1	765	31.8
1985-86	751.6	280.9	374	NA	2008-09	1812.8	1158	639	30.6
1986-87	1022.5	419.9	411	NA	2009-10	1476.5	850.7	576	29.5
1987-88	1651.3	635.3	385	NA	2010-11	929	651.1	701	31.7
1988-89	1103.8	370.1	335	NA	2011-12	731.9	516.6	706	32.4
1989-90	1192.3	631.3	530	NA	2012-13	830.5	544.1	655	NA
1990-91	1632.8	873.3	535	NA	2013-14	671.5	503.9	750	NA
1991-92	2113.8	1193.8	565	NA	2014-15	551.6	415	752	NA
1992-93	2085.3	1181.7	567	19.6					

Source: Various issues Agricultural Statistics at a Glance, Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI-<http://eands.dacnet.nic.in/>

Note: 2014-15 – Fourth advance estimates.

NA - Not Available

6.4 State-wise Area, Production and Yield of Sunflower

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Andhra Pradesh	Area	95.0	127.0	144.0	143.0	131.0	128.0	116.0	89.0	92.0	42.0	17.0	19.0	20.0	12.0
	Prod.	59.0	78.0	91.0	79.0	46.0	52.0	73.0	57.0	35.0	31.0	10.0	15.0	16.0	7.0
	Yield	621	614	632	552	351	406	629	640	380	738	588	789	800	583
	Area	172.0	289.0	347.0	333.0	313.0	318.0	310.0	330.0	258.0	183.0	141.0	123.0	80.0	56.0
	Prod.	160.0	198.0	242.0	211.0	252.0	277.0	364.0	269.0	235.0	125.0	114.0	89.0	71.0	55.0
	Yield	930	685	697	634	805	871	1174	815	911	683	809	724	888	982
	Area	267.0	416.0	491.0	476.0	444.0	446.0	426.0	419.0	350.0	225.0	158.0	142.0	100.0	68.0
	Prod.	219.0	276.0	333.0	290.0	298.0	329.0	437.0	326.0	270.0	156.0	124.0	104.0	87.0	62.0
	Yield	820	663	678	609	671	738	1026	778	771	693	785	732	870	912
Arunachal Pradesh	Area	-	-	-	-	-	-	-	0.4	0.4	0.2	0.2	0.3	0.2	-
	Prod.	-	-	-	-	-	-	-	0.2	0.3	0.1	0.1	0.2	0.2	-
	Yield	-	-	-	-	-	-	-	500	723	500	524	533	750	-
Bihar	Area	-	-	1.6	2.7	3.6	3.0	4.0	4.0	4.0	2.5	1.8	2.0	3.2	3.1
	Prod.	-	-	2.5	3.0	4.3	3.7	4.8	4.8	5.1	3.2	2.4	2.8	4.1	4.0
	Yield	-	-	1563	1111	1194	1233	1200	1200	1278	1280	1345	1348	1289	1291
	Area	10.2	13.4	15.9	14.0	19.0	19.9	17.8	18.4	18.6	13.6	14.1	14.0	10.9	10.2
	Prod.	13.9	17.4	21.7	20.4	26.1	26.8	24.3	26.3	26.6	20.0	20.5	20.4	15.7	14.7
	Yield	1363	1299	1365	1457	1374	1347	1365	1429	1431	1471	1450	1454	1446	1447
	Area	10.2	13.4	17.5	16.7	22.6	22.9	21.8	22.4	22.6	16.1	15.9	16.0	14.0	13.2
	Prod.	13.9	17.4	24.2	23.4	30.4	30.5	29.1	31.1	31.7	23.2	22.9	23.1	19.8	18.6
	Yield	1363	1299	1383	1401	1345	1332	1335	1388	1404	1441	1439	1441	1411	1411
Chhatisgarh	Area	2.9	2.6	6.1	1.1	4.1	1.0	1.0	1.6	0.7	3.5	0.9	1.0	0.6	0.1
	Prod.	1.2	1.0	2.1	0.6	1.5	0.6	0.6	0.9	0.3	0.9	0.5	0.3	0.3	0.047
	Yield	414	385	344	545	366	600	600	563	429	257	556	300	500	470

State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Haryana	Area	5.7	5.6	20.7	7.0	15.0	15.0	24.0	20.0	15.0	10.0	10.0	15.0	5.0	9.0
	Prod.	8.8	8.6	30.7	11.6	25.0	25.0	38.0	33.0	25.0	18.0	18.0	26.0	12.0	19.0
	Yield	1544	1536	1483	1657	1667	1667	1583	1650	1667	1800	1800	1733	2400	2111
Jharkhand	Area	-	-	-	-	-	0.8	0.2	0.3	0.2	-	0.1	0.6	0.2	0.2
	Prod.	-	-	-	-	-	0.1	-	0.2	0.1	-	0.0	0.5	0.2	0.2
	Yield	-	-	-	-	-	125	-	667	459	-	457	825	696	870
	Area	-	-	-	-	-	0.7	0.9	1.9	0.7	0.4	0.7	0.6	0.4	0.5
	Prod.	-	-	-	-	-	0.2	0.4	1.3	0.5	0.3	0.5	0.4	0.2	0.2
	Yield	-	-	-	-	-	286	444	684	743	663	678	800	524	500
	Area	-	-	-	-	-	1.5	1.1	2.2	0.9	0.4	0.8	1.2	0.7	0.7
	Prod.	-	-	-	-	-	0.3	0.4	1.5	0.6	0.3	0.5	1.0	0.4	0.4
	Yield	-	-	-	-	-	200	364	682	675	663	653	814	585	623
Karnataka	Area	124.2	298.3	360.3	602.0	661.0	595.0	508.0	442.0	389.0	194.0	191.0	211.0	187.0	155.0
	Prod.	59.5	136.5	165.2	283.0	333.0	217.0	278.0	223.0	133.0	117.0	99.0	107.0	109.0	82.0
	Yield	479	458	459	470	504	365	547	505	342	603	518	507	583	529
	Area	460.1	578.3	775.2	669.0	766.0	636.0	518.0	559.0	405.0	215.0	190.0	299.0	230.0	200.0
	Prod.	202.9	237.5	199.5	316.0	454.0	300.0	308.0	273.0	171.0	137.0	96.0	158.0	144.0	130.0
	Yield	441	411	257	472	593	472	595	488	422	637	505	528	626	650
	Area	584.3	876.6	1135.5	1271.0	1427.0	1231.0	1026.0	1001.0	794.0	409.0	381.0	510.0	417.0	355.0
	Prod.	262.4	374.0	364.7	599.0	787.0	517.0	586.0	496.0	304.0	254.0	195.0	265.0	253.0	212.0
	Yield	449	427	321	471	552	420	571	496	383	621	512	520	607	597
Madhya Pradesh	Area	2.0	0.7	0.5	0.6	0.3	0.3	0.2	0.2	0.2	0.2	0.1	-	0.1	-
	Prod.	1.0	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	-	-	-	-
	Yield	500	286	400	500	333	333	500	500	500	500	-	-	-	-

State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Uttar Pradesh	Total	7.0	7.7	10.4	18.2	17.1	26.2	44.1	25.8	14.3	8.7	13.6	10.8	8.0	8.6
	Area	9.0	8.9	13.4	19.3	21.2	47.9	70.1	34.3	19.0	10.0	24.6	14.6	12.5	13.3
	Prod.	1286	1156	1288	1060	1240	1828	1590	1329	1334	1151	1809	1357	1564	1549
West Bengal	Rabi/ Summer	5.5	5.4	7.2	8.1	12.6	14.0	13.0	9.0	7.0	4.0	4.0	3.0	3.0	3.0
	Area	10.6	9.0	12.3	16.6	16.1	21.0	21.0	17.0	16.0	9.0	6.0	4.5	5.0	5.0
	Prod.	1927	1667	1708	2049	1278	1500	1615	1889	2286	2250	1500	1500	1667	1667
Others	Summer	2.4	2.4	8.5	12.0	12.5	13.7	16.0	10.1	10.9	6.6	11.5	12.0	14.0	15.0
	Area	3.3	3.2	5.6	18.0	15.7	17.7	19.7	11.0	13.2	7.4	13.8	15.0	20.0	22.0
	Prod.	1375	1333	659	1500	1256	1292	1231	1089	1206	1123	1203	1250	1429	1467
All India	Kharif	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
	Area	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-	649
Total	Rabi	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
	Area	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-	623
Total	Area	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	-	628
All India	Kharif	309.3	531.9	610.7	873.1	919.4	860.4	761.9	661.5	567.7	315.3	260.2	301.1	248.1	199.4
	Area	155.1	271.5	306.1	431.1	455.8	365.5	462.8	357.1	214.4	191.8	147.4	187.2	154.1	106.0
	Prod.	501	510	501	494	496	425	607	540	378	608	566	622	621	532
Total	Rabi	867.5	1110.3	1392.8	1287.5	1420.2	1304.4	1149.7	1151.3	908.8	613.7	471.7	529.5	423.4	352.2
	Area	524.4	601.1	624.3	755.6	983.1	861.9	1000.2	800.9	636.3	459.2	369.3	356.9	349.9	309.0
	Prod.	604	541	448	587	692	661	870	696	700	748	783	674	826	877
Total	Area	1176.8	1642.2	2003.5	2160.6	2339.6	2164.8	1911.6	1812.8	1476.5	929.0	731.9	830.5	671.5	551.6
	Prod.	679.5	872.6	930.4	1186.7	1438.9	1227.4	1463.0	1158.0	850.7	651.1	516.6	544.1	503.9	415.0
	Yield	577	531	464	549	615	567	765	639	576	701	706	655	750	752

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI-<http://eands.dacnet.nic.in/>

Note: 2014-15 year figures are fourth advance estimates

6.5 District-wise Area, Production and Yield of Sunflower

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Andhra Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Adilabad	Area	1.2	0.4	1.1	6	6.5	7.9	7	1.6	1.6	0.6	0.408	--
	Prod.	0.6	0.2	0.8	3.2	4.8	8.5	8	1.2	1.3	0.3	0.618	--
	Yield	500	500	727	533	739	1076	1143	929	813	500	1515	--
Ananthapuramu	Area	51.6	60.3	74.5	84	48.7	60.8	45	42.3	17.6	13.3	10.6	14
	Prod.	33.6	22.1	29.6	43.7	8.4	23.6	30	26.3	14.1	12.1	7.1	9.6
	Yield	651	367	397	520	173	388	667	622	801	910	670	686
Chittoor	Area	1.4	2.1	2.6	5.1	2.4	5.5	6	3.2	1	1.3	0.9	1.2
	Prod.	1.2	1.3	1.5	2.9	1.4	3.9	6	2	0.6	0.9	0.5	1.0
	Yield	857	619	577	569	583	709	1000	625	600	692	524	817
YSR Kadapa	Area	42.7	102.6	96.1	97.1	77.6	74.2	66	93.5	74	62.1	49.6	27.6
	Prod.	45.3	50.3	54.6	72.8	53.9	68.5	77	38.5	17.7	39.7	19.6	22
	Yield	1061	490	568	750	695	923	1167	412	239	639	395	797
East Godavari	Area	0.062	0.2	0.4	0.6	0.6	0.3	--	0.3	0.4	0.3	0.3	0.4
	Prod.	0.054	0.2	0.5	0.6	0.6	0.3	--	0.3	0.4	0.4	0.3	0.5
	Yield	871	1000	1250	1000	1000	1000	--	1000	1000	1333	1000	1250
Guntur	Area	--	0.044	0.4	0.4	0.3	0.047	--	0.1	0.05	0.001	0.3	0.016
	Prod.	--	0.048	0.4	0.3	0.4	0.038	--	0.1	0.049	0.001	0.3	0.018
	Yield	--	1091	1000	705	1333	809	--	1000	1250	1000	1000	1125
Karimnagar	Area	0.6	0.2	0.5	3.2	1.2	0.7	1	1.5	0.2	0.3	0.361	--
	Prod.	0.7	0.2	0.9	3.2	1.5	1	2	3.3	0.3	0.5	0.578	--
	Yield	1167	1000	1800	1000	1250	1429	2000	2200	1364	1667	1601	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Khammam	Area	--	0.027	0.7	0.5	0.3	1	0.2	0.4	0.2	0.1	0.148	--
	Prod.	--	0.022	0.8	0.4	0.4	1	0.2	0.4	0.3	0.1	0.171	--
	Yield	--	815	1143	571	1000	1333	1000	1000	1500	1000	1153	--
Krishna	Area	0.034	0.021	0.5	0.4	0.1	--	0.042	0.3	0.076	0.038	0.018	0.008
	Prod.	0.038	0.023	0.6	0.2	0.1	--	0.043	0.3	0.094	0.04	0.017	0.009
	Yield	1118	1095	1200	500	1000	--	1024	1000	1237	1053	944	1125
Kurnool	Area	133.4	192.1	216.6	322.1	180.7	157	144.5	140.6	78.2	32.4	30.6	22
	Prod.	106.8	151.2	142	175.3	106.1	134	113.1	84.4	63.4	21.7	23.4	19.1
	Yield	801	787	656	544	587	854	783	600	811	670	765	868
Mahabubnagar	Area	17.9	26	37.5	72.9	34.7	27	24.3	24.3	10.8	6.1	4.374	--
	Prod.	9.3	17.6	28.3	35.8	18.1	19	17.4	16.4	7.7	2.5	3.336	--
	Yield	520	677	755	491	522	704	716	675	713	410	763	--
Medak	Area	4	3.6	7.9	28.7	14.8	13	15.6	14.8	8.4	9.7	10.780	--
	Prod.	5.2	4.5	15.4	20.9	17.8	29	28.2	20.2	12.5	11.3	17.081	--
	Yield	1300	1250	1949	728	1203	1526	1808	1365	1488	1165	1585	--
Nalgonda	Area	0.3	1.1	0.8	2	0.6	1	1.7	2	0.3	0.3	0.404	--
	Prod.	0.2	0.5	0.9	1.2	0.6	2	2.2	1.9	0.3	0.3	0.466	--
	Yield	667	455	1125	600	1000	2000	1294	950	1000	1000	1153	--
Nizamabad	Area	3.1	5.7	13.3	66.2	26	36	29.1	16.2	5.9	6.9	11.298	--
	Prod.	3.7	4.6	14	35.5	29.6	55	35.7	12.6	5.7	8.7	9.117	--
	Yield	1194	807	1053	536	1139	1528	1227	778	966	1261	807	--
Prakasam	Area	6.7	15	19.6	57.2	27.7	39	40	23.8	18.5	17	16	9.2
	Prod.	7.4	16.3	24.6	68	39.4	52	40.8	23.3	22.9	18.6	15.9	10.7
	Yield	1105	1087	1255	1189	1422	1333	1020	979	1238	1094	994	1163

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ranga Reddy	Area	1	0.7	0.9	1.4	0.8	0.5	--	0.4	0.8	0.4	0.3	0.237
	Prod.	0.7	0.5	0.8	0.8	0.6	0.4	--	0.4	0.6	0.4	0.3	0.266
	Yield	700	714	889	571	750	800	--	1000	750	1000	1000	1122
SPSR Nellore	Area	2.5	4.6	13.3	51.7	15.8	11.5	13	9.1	3.9	2.7	2.9	2.6
	Prod.	2.8	4.2	12.8	28.7	7.6	6.1	10	5.4	2.9	2.5	2	1.7
	Yield	1120	913	962	555	481	530	769	593	744	926	690	654
Srikakulam	Area	0.071	0.056	0.8	2	2	3.5	5	2.8	2.5	3.6	2.7	1.8
	Prod.	0.08	0.061	0.9	1.8	2.3	2.8	7	2.8	2.4	4.5	2.9	1.8
	Yield	1127	1089	1125	900	1150	800	1400	1000	960	1250	1074	1000
Visakhapatnam	Area	--	--	0.007	0.096	0.077	0.2	1	0.4	0.3	0.4	0.5	0.5
	Prod.	--	--	0.008	0.082	0.087	0.2	2	0.4	0.3	0.5	0.6	0.5
	Yield	--	--	1143	854	1130	1000	2000	1000	1000	1250	1200	1000
Vizianagaram	Area	--	--	--	0.004	0.002	0.039	--	0.054	0.041	0.1	0.063	0.056
	Prod.	--	--	--	0.004	0.002	0.032	--	0.055	0.04	0.2	0.065	0.063
	Yield	--	--	--	1000	1000	821	--	1019	976	2000	1032	964
Warangal	Area	0.7	0.2	0.3	2.4	0.8	0.9	--	0.3	0.2	0.1	0.017	0.034
	Prod.	1.2	0.5	0.5	1.4	0.8	1.1	--	0.3	0.2	0.1	0.018	0.039
	Yield	1714	2500	1667	583	1000	1222	--	1000	1000	1000	1059	1153
West Godavari	Area	0.4	1.6	3	5	2.4	2.1	2	2.3	4	0.7	0.5	0.6
	Prod.	0.5	1.8	3.5	4.6	2.7	1.7	3	2.4	3.9	0.9	0.6	0.8
	Yield	1250	1125	1167	920	1125	810	1500	1044	975	1286	1200	1000

Bihar

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Ariaria	Area	2	2.3	2	1.2	3	2.9	3.8	3.8	3.7	2.4
	Prod.	2.4	3.2	3	1.7	4.4	4.2	5.5	5.5	5.4	3.4
	Yield	1200	1391	1500	1417	1467	1448	1447	1447	1461	1434
Anwal	Area	--	--	0.008	0.018	0.002	--	0.013	0.013	0.1	0.032
	Prod.	--	--	0.011	0.018	0.002	--	0.019	0.019	0.2	0.046
	Yield	--	--	1375	1000	1000	--	1462	1462	1271	1438
Aurangabad	Area	0.03	0.003	0.004	--	--	--	0.003	0.003	0.002	--
	Prod.	0.044	0.004	0.006	--	--	--	0.005	0.005	0.003	--
	Yield	1467	1333	1500	--	--	--	1667	1667	1500	--
Begusarai	Area	0.5	0.046	0.003	0.1	0.079	0.1	0.038	0.038	0.037	0.064
	Prod.	0.5	0.06	0.004	0.1	0.1	0.2	0.052	0.052	0.053	0.092
	Yield	1000	1304	1333	1000	1266	2000	1368	1368	1432	1438
Bhabha	Area	0.007	--	--	--	--	--	--	--	--	--
	Prod.	0.01	--	--	--	--	--	--	--	--	--
	Yield	1429	--	--	--	--	--	--	--	--	--
Bhagalpur	Area	0.5	0.4	0.3	0.4	1	0.5	0.5	0.5	0.4	0.4
	Prod.	0.7	0.6	0.5	0.6	1.5	0.8	0.7	0.7	0.6	0.6
	Yield	1400	1500	1667	1500	1500	1600	1400	1400	1449	1434
Buxar	Area	0.035	0.034	0.029	0.028	--	--	--	--	0.019	--
	Prod.	0.04	0.045	0.036	0.041	--	--	--	--	0.027	--
	Yield	1143	1324	1241	1464	--	--	--	--	1421	--
Darbhanga	Area	--	0.056	0.078	0.8	0.067	--	0.017	0.017	0.017	0.009
	Prod.	--	0.078	0.1	1.2	0.098	--	0.025	0.025	0.025	0.013
	Yield	--	1393	1282	1500	1463	--	1471	1471	1471	1444

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
East Champaran	Area	0.1	0.03	0.018	0.035	0.04	0.032	0.034	0.032	0.036
	Prod.	0.2	0.031	0.025	0.047	0.053	0.042	0.045	0.044	0.052
	Yield	2000	1033	1389	1343	1325	1313	1324	1324	1375	1444
Gaya	Area	0.029	0.095	0.021	0.042	0.025	0.022	0.016	0.023	0.014
	Prod.	0.033	0.1	0.029	0.057	0.033	0.028	0.023	0.023	0.02
	Yield	1138	1053	1381	1357	1320	1273	1438	1438	1000	1429
Gopalganj	Area	0.008	0.032	0.019	0.028	--	--	--	--	--
	Prod.	0.009	0.038	0.025	0.04	--	--	--	--	--
	Yield	1125	1188	1316	1429	--	--	--	--	--
Jamui	Area	--	--	0.002	--	--	0.002	--	0.002	--
	Prod.	--	--	0.003	--	--	0.003	--	0.003	--
	Yield	--	--	1500	--	--	1500	--	1500	--
Jehanabad	Area	0.092	0.049	0.043	0.023	0.055	0.049	0.014	0.012	--
	Prod.	0.1	0.062	0.059	0.034	0.077	0.067	0.02	0.017	--
	Yield	1087	1265	1372	1478	1400	1367	1429	1417	--
Katihar	Area	0.092	0.2	0.7	2	1.8	1.8	1.6	0.7	1.1
	Prod.	0.1	0.3	1	2.7	2.5	2.7	2.3	1.1	1.6
	Yield	1087	1500	1429	1350	1389	1500	1438	1448	1434
Khagaria	Area	1	1	1.2	0.023	1.3	0.9	0.9	1.0	1.0
	Prod.	1.3	1.4	1.7	0.033	1.8	1.4	1.3	1.4	1.4
	Yield	1300	1400	1417	1435	1385	1556	1444	1463	1434
Kishanganj	Area	0.3	--	--	--	--	--	--	--	--
	Prod.	0.4	--	--	--	--	--	--	--	--
	Yield	1333	--	--	--	--	--	--	--	--
Madhepura	Area	1.9	3.1	3.2	3.5	3.6	3.4	5.3	6.0	5.6
	Prod.	2.3	3.7	4.3	5	4.6	4.3	7.1	8.1	8.1
	Yield	1211	1194	1344	1429	1278	1265	1340	1355	1434

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Madhubani	Area	0.029	0.015	0.018	0.008	0.003	0.002	0.002	0.003	0.004
	Prod.	0.033	0.015	0.019	0.012	0.004	0.016	0.003	0.004	0.006
	Yield	1138	1000	1056	1500	1333	1333	1500	1500	1333	1500
Munger	Area	0.01	--	0.016	0.037	0.004	0.031	0.028	--	--
	Prod.	0.012	--	0.023	0.05	0.005	0.044	0.042	--	--
	Yield	1200	--	1438	1351	1250	1419	1500	--	--
Muzaffarpur	Area	0.039	0.025	0.004	0.011	0.031	0.033	0.017	0.001	0.035
	Prod.	0.049	0.032	0.005	0.016	0.045	0.048	0.023	0.001	0.05
	Yield	1256	1280	1250	1455	1452	1455	1353	1000	1429
Nalanda	Area	0.1	0.039	0.053	0.046	0.074	0.062	0.2	0.2	0.1
	Prod.	0.2	0.05	0.072	0.067	0.097	0.08	0.3	0.3	0.2
	Yield	2000	1282	1359	1457	1311	1290	1500	1407	1434
Nawada	Area	0.037	0.09	0.021	0.045	0.032	0.048	0.049	0.022	0.027
	Prod.	0.043	0.1	0.028	0.066	0.041	0.065	0.064	0.031	0.039
	Yield	1162	1111	1333	1467	1281	1354	1306	1409	1444
Patna	Area	0.035	0.009	0.003	0.016	0.1	0.2	0.024	0.024	0.1
	Prod.	0.051	0.013	0.004	0.021	0.1	0.2	0.043	0.2	0.01
	Yield	1457	1444	1333	1313	1000	1000	1792	1455	1429
Purnia	Area	3.2	3.3	4.3	3.7	5.1	5.1	3.4	3.6	1.9
	Prod.	3.8	4.3	6.4	5.2	6.8	6.9	4.7	5.1	2.7
	Yield	1188	1303	1488	1405	1333	1353	1382	1421	1434
Rohtas	Area	--	0.019	0.018	0.001	0.018	0.001	--	--	--
	Prod.	--	0.021	0.029	0.001	0.02	0.002	--	--	--
	Yield	--	1105	1611	1000	1111	2000	--	--	--
Saharsa	Area	0.8	0.6	0.9	0.4	0.6	0.6	0.3	0.4	0.1
	Prod.	1.1	0.7	1.3	0.6	0.8	0.8	0.4	0.5	0.1
	Yield	1375	1167	1444	1500	1333	1333	1333	1422	1436

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Samastipur	Area	0.1	0.029	0.033	0.034	0.036	0.039	0.038	0.065	0.053
	Prod.	0.2	0.029	0.033	0.05	0.047	0.05	0.056	0.086	0.076
	Yield	2000	1000	1000	1471	1306	1282	1474	1474	1323	1434
Saran	Area	--	0.005	--	0.003	0.01	0.007	0.013	--	0.002
	Prod.	--	0.006	--	0.004	0.015	0.01	0.018	--	0.003
	Yield	--	1200	--	1333	1500	1429	1385	--	1500
Sheohar	Area	--	--	--	--	0.001	0.001	--	--	0.031
	Prod.	--	--	--	--	0.001	0.001	--	--	0.044
	Yield	--	--	--	--	1000	1000	--	--	1419
Sitamarhi	Area	0.008	0.008	0.009	--	--	0.003	0.003	0.004	--
	Prod.	0.009	0.01	0.012	--	--	0.004	0.004	0.005	--
	Yield	1125	1250	1333	--	--	1333	1333	1250	--
Siwan	Area	0.006	--	0.001	0.004	0.004	0.001	0.023	0.002	--
	Prod.	0.007	--	0.001	0.004	0.004	0.001	0.035	0.002	--
	Yield	1167	--	1000	1000	1000	1000	1522	1000	--
Supaul	Area	2	1.8	4.3	3.8	5.7	6.7	5.5	6.0	4.3
	Prod.	2.2	2.3	5.3	5.5	7.1	8.4	7.7	8.5	5.2
	Yield	1100	1278	1233	1447	1246	1254	1400	1403	1434
Vaishali	Area	0.008	0.008	--	0.003	0.002	0.003	0.003	0.001	0.001
	Prod.	0.009	0.009	--	0.004	0.003	0.004	0.004	0.001	0.001
	Yield	1125	1125	--	1333	1500	1333	1333	1000	1000
West Champaran	Area	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
	Prod.	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2
	Yield	1500	1000	1500	1000	1500	1500	1500	1481	1431

Karnataka

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bagalkot	Area	60.6	81.1	102.9	118.1	133.7	111.4	88.8	88.4	60.5	35.4	50.4	41.1	48.7
	Prod.	34.9	45.3	36.2	67.8	85.6	35.8	55.8	46.3	24.6	29.6	26.0	22.4	27.6
	Yield	576	559	352	574	640	321	628	524	407	834	516	545	567
Bangalore Rural	Area	0.092	0.022	0.5	0.7	0.5	0.2	0.2	0.4	0.2	0.04	0.021	0.008	0.015
	Prod.	0.067	0.015	0.3	0.4	0.4	0.1	0.2	0.3	0.1	0.03	0.018	0.005	0.01
	Yield	728	682	598	647	748	687	776	668	714	750	857	625	667
Bangalore Urban	Area	0.008	0.008	0.001	0.011	0.014	0.017	0.009	0.006	0.009	0.023	0.006	0.001	--
	Prod.	0.007	0.006	0.001	0.007	0.011	0.011	0.007	0.005	0.006	0.024	0.006	0.001	--
	Yield	875	750	1000	636	786	647	778	833	667	1043	1000	1000	--
Belgaum	Area	9.7	20.7	30.7	56.4	43.3	42.3	41.8	42.4	31.7	20.9	16.8	13.5	10.1
	Prod.	6.2	9.4	14.5	33.2	19.3	24.9	27.7	28.2	14.9	15.8	12.6	7.6	7.1
	Yield	639	454	472	589	446	589	663	665	470	756	747	563	664
Bellary	Area	49.9	61.8	92.8	88.2	109.2	107.1	100	93.2	67.5	40.4	21.6	38.9	21.5
	Prod.	21.7	21.4	30.1	36.5	40.1	41.6	43.3	36.8	25.2	29.1	10.7	21.0	14.7
	Yield	435	346	324	414	367	388	433	395	373	720	496	541	683
Bidar	Area	8.8	9.3	10.7	12.3	15.1	14.8	13.2	13.8	9.4	6.2	5.6	4.7	4.3
	Prod.	3.1	4.2	5.3	5.3	6.4	6.4	6.3	5.9	3.6	2.2	2.2	2.7	1.9
	Yield	352	447	496	431	422	430	477	428	383	354	399	569	441
Chamarajnagar	Area	2.2	6.3	3.9	5.8	6.8	15.9	16.6	16.8	16.1	12.3	9.4	9.6	7.7
	Prod.	0.8	1.5	1	3.2	2.7	8.4	6.1	11.2	3.4	5.7	4.5	1.4	4.1
	Yield	364	231	256	552	397	527	368	667	209	459	484	148	525
Chikkaballapur	Area	--	--	--	--	--	--	2.3	3.4	2.5	1.7	1.4	0.9	0.2
	Prod.	--	--	--	--	--	--	2.3	3.3	2.3	1.6	1.6	1.2	0.2
	Yield	--	--	--	--	--	--	1000	971	920	944	1111	1255	1114

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Chikkamagaluru	Area	3.6	8.5	9.4	14.8	12.6	16.6	13.9	13.7	4.8	3.9	3.7	4.1
	Prod.	1.7	2.1	1.9	8.8	9.5	11.5	5.936	6.2	3.0	1.3	1.1	1.8
	Yield	472	247	206	595	754	695	427	456	613	339	294	430
Chitradurga	Area	21.8	45.7	45.8	43.4	57.9	52.7	42.2	29.8	13.7	13.1	51.1	17.2
	Prod.	13.1	21.7	17.7	24.6	33.4	28.8	17.3	11.4	9.7	4.1	23.6	8.7
	Yield	601	475	387	567	577	547	410	383	713	309	461	504
Davanagere	Area	10.3	15.5	25.2	14.6	20.9	19.1	16.7	12.2	4.7	3.8	10.2	3.4
	Prod.	4.8	6	10.4	8.2	10.7	10.4	11.1	10.1	4.216	4.0	10.0	2.7
	Yield	466	387	413	562	512	547	665	828	893	1055	986	802
Dharwad	Area	3.3	4.71	8.9	10.1	10.7	6.5	16.7	8.3	10.2	5.9	11.2	4.3
	Prod.	1.3	1.8	1.3	4.3	6.1	2.7	6.1	3.8	6.5	3.0	2.5	1.5
	Yield	389	383	150	431	571	446	418	369	640	499	220	351
Gadag	Area	49.9	64	99	84.1	95.9	96.7	78.7	55.3	39.7	38.0	64.0	47.7
	Prod.	17.3	13.8	20.6	38.6	51.7	31.6	28.7	14.9	24.1	13.8	27.8	27.8
	Yield	347	216	208	459	539	412	365	269	608	364	435	583
Gulbarga	Area	50	132.9	159.2	173.8	176.9	106.6	134.3	115	32.7	35.7	43.1	45.2
	Prod.	22.4	81.1	78.3	68.4	76	48.4	52	31.2	12.7	18.0	22.2	27.1
	Yield	448	610	492	394	430	286	454	387	387	502	514	600
Hassan	Area	2.1	7.2	5.8	10.4	13.1	15.6	14.7	15.2	6.8	2.6	1.1	0.7
	Prod.	1.9	2.9	1.6	8.7	10.5	9.1	8.2	8.1	6.1	2.5	0.4	0.3
	Yield	905	401	270	836	802	604	558	533	896	987	323	420
Haveri district	Area	3.9	8	16.4	12.9	17.9	14.6	12.6	9.4	5.5	2.6	4.7	3.2
	Prod.	2.6	3.3	5.1	8.6	9.8	9.1	7.7	7.3	3.9	2.0	2.7	1.6
	Yield	667	413	311	667	548	746	611	777	712	758	579	507

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kolar	Area	1.2	2.4	3.2	5.4	6.3	2.8	0.117	0.05	0.046	0.012	0.004	--
	Prod.	0.9	1.7	2.2	7.7	11.6	4.1	0.106	0.031	0.029	0.007	0.004	--
	Yield	750	708	688	1426	1841	1464	906	620	392	583	1000	--
Koppal	Area	51.9	68.1	82.4	93.6	113.1	102.1	94.6	91.2	39.951	37.3	53.7	57.8
	Prod.	22.8	19.1	20.2	34.8	45.4	17.1	35.8	28.7	19	18.7	41.6	46.6
	Yield	439	281	245	372	401	168	378	315	228	502	774	806
Mandya	Area	0.011	0.005	0.012	0.048	0.075	0.016	0.015	--	0.003	--	0.008	0.009
	Prod.	0.007	0.003	0.007	0.019	0.028	0.01	0.011	--	0.003	--	0.004	0.006
	Yield	636	600	583	396	373	625	733	--	1000	--	500	667
Mysore	Area	0.8	2.3	1.3	1.2	2.1	2.3	1.9	1.8	1.989	1.2	1.3	1.0
	Prod.	0.4	0.83	0.5	0.5	0.7	0.7	0.9	1.1	2.398	0.8	0.4	0.6
	Yield	497	367	356	422	358	306	473	610	495	696	324	637
Raichur	Area	87.4	125	163.1	202	231.9	212.6	192.8	162.8	132.1	54.2	67.8	63.4
	Prod.	41.3	47.8	55.4	50.8	94.8	55.6	91.3	60.6	29.5	17.9	36.2	36.6
	Yield	473	382	340	252	409	262	474	372	223	330	534	577
Ramanagara	Area	--	--	--	--	--	--	0.081	0.1	0.079	0.014	0.04	0.088
	Prod.	--	--	--	--	--	--	0.034	0.049	0.018	0.011	0.02	0.051
	Yield	--	--	--	--	--	--	420	490	228	786	500	580
Shimoga	Area	0.1	0.3	0.9	1.4	1.7	2.02	2.63	2.0	0.781	1.0	1.4	0.9
	Prod.	0.087	0.2	0.5	1.0	3.2	4.1	6.2	3.3	2.3	2.4	2.5	2.0
	Yield	737	490	548	746	1842	2031	2358	1628	2053	2373	1829	2157
Tumkur	Area	3.3	13.4	8	14	14.6	14.3	14.8	11.7	4.197	2.5	1.8	1.2
	Prod.	2.9	7.5	5.5	20.3	12.4	9.6	9.1	9.8	5.5	2.3	1.6	0.8
	Yield	879	560	688	1450	849	671	615	838	677	908	890	680

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Udupi	Area	--	--	--	--	0.004	0.008	--	--	--	--	--	--	--
	Prod.	--	--	--	--	0.002	0.002	--	--	--	--	--	--	--
	Yield	--	--	--	--	500	250	--	--	--	--	--	--	--
Uttara Kannada	Area	0.025	0.016	0.025	0.031	0.096	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.097
	Prod.	0.021	0.011	0.02	0.026	0.088	0.1	0.1	0.2	0.1	0.1	0.1	0.079	0.059
	Yield	840	688	800	839	917	912	505	995	503	593	766	527	608
Vijayapura	Area	163.5	199.4	265.3	307.7	342.9	247.2	149.7	142.8	119.5	--	--	--	--
	Prod.	62.3	82.3	56	96.1	137	53.6	56.3	41.4	26.5	--	--	--	--
	Yield	381	413	211	312	400	217	376	290	222	--	--	--	--

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Datia	Area	--	--	--	0.001	--	--	0.001	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	--
Dewas	Area	0.014	0.018	0.016	0.018	0.008	0.001	0.01	0.001	--	--	--	--	--
	Prod.	0.003	0.005	0.005	0.004	0.003	--	0.003	--	--	--	--	--	--
	Yield	214	278	313	222	375	--	300	--	--	--	--	--	--
Dhar	Area	--	--	--	0.009	--	--	0.001	--	--	--	--	--	--
	Prod.	--	--	--	0.002	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	222	--	--	--	--	--	--	--	--	--
Guna	Area	--	--	0.015	--	--	--	--	--	--	--	--	0.003	--
	Prod.	--	--	0.009	--	--	--	--	--	--	--	--	0.003	--
	Yield	--	--	600	--	--	--	--	--	--	--	--	1000	--
Harda	Area	--	0.022	0.022	--	--	--	--	--	--	--	--	--	--
	Prod.	--	0.01	0.01	--	--	--	--	--	--	--	--	--	--
	Yield	--	455	455	--	--	--	--	--	--	--	--	--	--
Hoshangabad	Area	--	--	0.015	--	--	0.042	0.057	--	--	--	--	--	--
	Prod.	--	--	0.007	--	--	0.023	0.032	--	--	--	--	--	--
	Yield	--	--	467	--	--	548	561	--	--	--	--	--	--
Indore	Area	0.016	--	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.005	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	313	--	--	--	--	--	--	--	--	--	--	--	--
Jabalpur	Area	0.3	0.4	0.1	0.2	0.2	0.2	0.06	0.05	--	--	--	--	--
	Prod.	0.097	0.052	0.039	0.079	0.06	0.049	0.017	0.014	--	--	--	--	--
	Yield	323	130	390	395	300	245	283	280	--	--	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Jhabua	Area	0.001	0.003	0.005	0.002	--	0.001	--	--	--	--	--	--
	Prod.	--	0.001	0.001	0.001	--	--	--	--	--	--	--	--
	Yield	--	333	200	500	--	--	--	--	--	--	--	--
Katni	Area	--	--	--	--	--	--	--	0.004	--	--	--	--
	Prod.	--	--	--	--	--	--	--	0.001	--	--	--	--
	Yield	--	--	--	--	--	--	--	250	--	--	--	--
Khandwa (East Nimar)	Area	0.067	0.2	0.047	0.036	0.048	0.089	0.056	0.025	0.011	0.015	0.009	0.043
	Prod.	0.022	0.056	0.016	0.012	0.016	0.041	0.022	0.009	0.004	0.005	0.003	0.016
	Yield	328	280	340	333	333	461	393	360	364	333	333	372
Khargone (West Nimar)	Area	0.016	0.002	0.001	0.002	0.001	--	0.004	0.007	--	--	--	--
	Prod.	0.005	0.001	--	--	--	--	0.002	0.003	--	--	--	--
	Yield	313	500	--	--	--	--	500	429	--	--	--	--
Mandsaur	Area	0.1	0.074	0.014	--	0.003	0.004	--	0.002	--	--	--	--
	Prod.	0.043	0.018	0.004	--	0.001	0.002	--	0.001	--	--	--	--
	Yield	430	243	286	--	333	500	--	500	--	--	--	--
Narsinghpur	Area	0.6	0.8	1.1	0.8	0.5	0.2	0.098	0.05	0.031	0.037	0.029	0.023
	Prod.	0.5	0.6	0.8	0.6	0.4	0.2	0.069	0.033	0.02	0.022	0.029	0.013
	Yield	833	750	727	750	800	1000	704	660	645	595	1000	565
Neemuch	Area	--	0.002	--	0.006	0.003	--	--	--	--	--	--	--
	Prod.	--	0.001	--	0.002	0.001	--	--	--	--	--	--	--
	Yield	--	500	--	333	333	--	--	--	--	--	--	--

Maharashtra

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmednagar	Area	14.1	13.5	9.7	13.7	12.7	14.7	0.12	6.4	9.2	3.7	1.6
	Prod.	10	5.3	2.8	7.4	7	7.2	0.099	3.8	4.2	1.7	0.5
	Yield	709	393	289	540	551	490	825	594	381	457	469	341
Akola	Area	3.1	3.1	2.6	3	4.8	6.6	0.067	18.3	6.7	2.7	0.6
	Prod.	1.8	1.9	1.2	1.5	3.4	4.7	0.051	9.9	4.1	1.7	0.3
	Yield	581	613	462	500	708	712	761	541	612	612	500
Amravati	Area	1.6	1.3	1.4	2.1	2.9	3.7	0.1	17.4	16.4	1.6	0.2
	Prod.	0.9	0.8	0.5	1.2	1.9	2.2	0.074	10.1	11.1	1.1	0.1
	Yield	563	615	357	571	655	595	627	581	607	657	450
Aurangabad	Area	7.6	12.5	12.6	13.9	12.2	11.5	0.099	5	4	1	1
	Prod.	2.9	5.6	4.5	7	5.1	5.9	0.053	2.5	1.9	0.6	0.4
	Yield	382	448	357	504	418	513	535	500	559	567	400
Beed	Area	23.1	27.7	31.2	30	30.4	27.7	0.2	16.2	7.3	3.6	2.6
	Prod.	9.5	12.1	10.6	14.5	15.9	13.9	0.1	8.2	3.8	1.9	1
	Yield	411	437	340	483	523	502	670	506	521	527	385
Bhandara	Area	--	--	--	--	--	0.1	0.002	--	--	--	--
	Prod.	--	--	--	--	--	0.1	0.001	--	--	--	--
	Yield	--	--	--	--	--	1000	500	--	--	--	--
Buldhana	Area	2.9	1.4	1.3	2.6	3.6	5	0.056	8.1	3	1.3	1.4
	Prod.	1.6	0.8	0.6	1.3	1.2	3.2	0.039	4.4	1.9	0.8	0.7
	Yield	552	571	462	500	333	640	696	543	611	633	500
Chandrapur	Area	--	--	0.2	0.2	2.9	2.3	0.012	0.2	--	--	--
	Prod.	--	--	0.1	0.1	1.9	1.3	0.009	0.1	--	--	--
	Yield	--	--	500	500	655	565	750	500	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Dhule	Area	0.4	0.4	0.2	0.2	0.1	0.001	0.1	0.1	--	--	--
	Prod.	0.2	0.2	0.1	0.1	0.1	0.001	0.1	0.042	--	--	--
	Yield	500	500	500	500	1000	1000	1000	420	--	--	--
Gadchiroli	Area	0.1	--	--	--	--	--	--	--	--	--	--
	Prod.	0.1	--	--	--	--	--	--	--	--	--	--
	Yield	1000	--	--	--	--	--	--	--	--	--	--
Hingoli	Area	11.3	13.2	12.7	11.7	15.6	12.3	0.083	4	3.9	2.4	0.1
	Prod.	6.6	8	7.9	5.4	8.5	7.5	0.062	1.7	2.1	1.6	0.04
	Yield	584	606	622	462	545	610	747	425	539	669	423
Jalgaon	Area	1.2	0.9	0.8	1.1	1.5	2.9	0.031	9.1	4.6	1.6	0.4
	Prod.	0.5	0.4	0.4	0.6	1.1	1.8	0.022	3.9	2.1	0.8	0.1
	Yield	417	444	500	546	733	621	710	429	457	516	339
Jalna	Area	9.2	11.5	8.3	10.4	11.8	13.5	0.1	6.5	4.1	1.6	0.3
	Prod.	3.8	5.1	2.8	5.2	5.1	6.7	0.057	3.7	2.1	0.8	0.1
	Yield	413	444	337	500	432	496	570	569	512	511	467
Kolhapur	Area	0.3	0.4	0.6	0.8	1	1.1	0.011	0.6	0.6	--	1.2
	Prod.	0.4	0.3	0.5	1	1.2	1.2	0.011	0.342	0.3	--	1.8
	Yield	1333	750	833	1250	1200	1091	1000	714	570	--	1525
Latur	Area	57.6	55.8	63.3	69	76.3	72.8	0.5	33.9	33.9	13.3	12.4
	Prod.	28.7	25.8	28.5	37.6	48.2	37.1	0.4	16.8	23.3	8.1	8.4
	Yield	498	462	450	545	632	510	724	496	687	606	677
Nagpur	Area	0.3	0.2	0.8	0.9	8.5	5.4	0.033	0.4	0.6	0.7	0.9
	Prod.	0.2	0.1	0.3	0.6	6.1	3.5	0.025	0.2	0.4	0.5	0.4
	Yield	667	500	375	667	718	648	758	667	500	673	451

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	
Nanded	Area	14.3	16.7	17.4	21.8	26.1	26.2	0.1	10.9	9	6.4	4.9	1.4
	Prod.	7.2	12.2	13.1	9.8	13.2	16	0.1	6.5	5	4.1	3	0.9
	Yield	504	731	753	450	506	611	871	596	556	641	605	668
Nandurbar	Area	1	0.5	0.5	1.2	1.3	0.9	0.01	1	0.7	0.9	0.4	--
	Prod.	0.4	0.3	0.2	0.7	0.8	0.5	0.007	0.6	0.3	0.4	0.5	--
	Yield	400	600	400	583	615	556	700	600	429	444	1166	--
Nashik	Area	1.4	1.1	0.9	0.7	0.5	0.5	0.006	0.3	0.3	0.2	0.1	0.1
	Prod.	0.5	0.4	0.3	0.4	0.3	0.3	0.004	0.2	0.2	0.1	0.05	0.04
	Yield	357	364	333	571	600	600	667	667	667	500	476	339
Osmanabad	Area	58.6	62.8	64.4	64.9	71	80.4	0.7	63.1	56.1	57.5	32.2	32
	Prod.	22.2	31.1	11.9	33.9	47.3	46.7	0.4	39.7	31.1	35.6	20.7	11.2
	Yield	379	495	185	522	666	581	571	629	554	619	643	350
Parbhani	Area	12.9	14	14.1	14.7	14.5	17.4	0.1	11.3	10.7	10.5	6.3	3.9
	Prod.	8	9.1	9.2	6.4	8.2	9.8	0.1	6.6	5.5	7.3	4	2
	Yield	620	650	653	435	566	563	897	584	514	695	639	513
Pune	Area	3.9	3.2	2.5	3.3	4.1	4.4	0.037	2.3	2.2	2.6	2	2.1
	Prod.	2.5	1.3	0.7	1.9	7.2	2.4	0.027	1.4	1	1.3	1.2	0.9
	Yield	641	406	280	576	1756	546	730	609	455	500	591	429
Sangli	Area	8.7	8.8	4.9	11	9.2	9.4	0.096	7.6	10.2	7.4	3.4	2.6
	Prod.	4.9	3.9	0.9	6.1	5	4.7	0.069	4.6	5.1	4	1.7	1
	Yield	563	443	184	555	544	500	719	605	500	541	486	385
Satara	Area	2.6	2.7	1.8	4.2	3.3	2.8	0.019	1	1	1	0.7	0.6
	Prod.	1.3	1.1	0.4	2.3	1.8	1.4	0.014	0.6	0.4	0.5	0.3	0.2
	Yield	500	407	222	548	546	500	737	600	400	500	481	333

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Solapur	Area	30	34.7	21.6	38.3	37.5	36.1	0.3	24	26.7	17.4	14.8
	Prod.	14.4	15.4	2.8	21	19.9	18.4	0.2	11.2	13.9	8.5	6.4
	Yield	480	444	130	548	531	510	590	467	521	486	432
Wardha	Area	0.1	--	--	0.2	1	1.2	0.01	--	0.1	--	--
	Prod.	0.1	--	--	0.1	0.6	0.7	0.008	--	0.1	--	--
	Yield	1000	--	--	500	600	583	800	--	1000	--	--
Washim	Area	4.2	2	1.2	0.6	0.8	0.7	0.004	--	--	--	--
	Prod.	2.2	1	0.5	0.4	0.5	0.4	0.003	--	--	--	--
	Yield	524	500	417	667	625	571	750	--	--	--	--
Yavatmal	Area	0.9	0.6	0.5	0.2	0.2	0.3	0.001	--	--	--	--
	Prod.	0.4	0.4	0.2	0.1	0.1	0.3	0.001	--	--	--	--
	Yield	444	667	400	500	500	1000	1000	--	--	--	--

Odisha

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Angul	Area	--	0.2	0.4	0.3	--	0.4	0.3	0.3	0.4	0.3	0.3	0.2	3.2
	Prod.	--	0.1	0.26	0.2	--	0.3	0.2	0.2	0.3	0.3	0.3	0.2	3.9
	Yield	--	500	650	667	--	750	786	786	917	909	962	1000	1201
Balangir	Area	0.7	0.5	0.6	0.8	--	1.4	2.6	2.5	2.8	4.0	3.9	4.0	0.5
	Prod.	0.7	0.5	0.6	0.6	--	1.5	2.9	2.8	3.2	5.1	7.7	5.2	0.6
	Yield	1000	1000	1000	750	--	1103	1115	1133	1137	1286	1992	1289	1143
Balasore	Area	0.2	0.05	0.06	0.087	--	0.2	0.2	0.2	0.2	0.4	0.4	0.5	0.2
	Prod.	0.1	0.03	0.03	0.054	--	0.1	0.2	0.1	0.2	0.3	0.3	0.5	0.2
	Yield	500	600	500	621	--	647	714	824	727	714	698	1020	1000
Bargarh (Baragarh)	Area	0.5	0.2	0.3	0.4	--	0.6	0.6	0.5	0.5	0.6	0.5	0.6	2.7
	Prod.	0.5	0.06	0.11	0.2	--	0.3	0.4	0.4	0.3	0.4	0.4	0.6	3.3
	Yield	1000	300	379	500	--	500	673	706	604	764	800	1143	1204
Bhadrak	Area	0.2	0.05	0.04	0.064	--	0.9	1.3	0.2	1.1	1.6	1.0	1.5	0.7
	Prod.	0.1	0.03	0.03	0.037	--	0.7	1.4	0.2	1.2	1.6	1.3	1.9	0.7
	Yield	500	600	750	578	--	804	1070	1053	1080	1052	1269	1253	1059
Boudh (Bauda)	Area	0.3	0.05	0.1	0.2	--	0.2	0.2	0.3	0.5	0.6	0.8	0.9	0.3
	Prod.	0.4	0.04	0.09	0.025	--	0.2	0.2	0.3	0.5	0.6	0.8	1.1	0.3
	Yield	1333	800	750	125	--	955	1000	1037	1020	1033	1027	1129	1143
Cuttack	Area	0.4	0.09	0.05	0.053	--	0.2	0.2	0.2	0.2	0.4	0.5	1	4.2
	Prod.	0.3	0.06	0.03	0.034	--	0.1	0.1	0.2	0.2	0.5	0.5	1.2	5.2
	Yield	750	667	600	642	--	722	700	826	905	1045	978	1160	1246
Debagarh (Deogarh)	Area	0.4	0.1	0.4	0.4	--	0.7	0.9	0.2	0.5	0.4	0.6	0.4	0.2
	Prod.	0.2	0.04	0.2	0.2	--	0.4	0.5	0.09	0.3	0.2	0.4	0.4	0.2
	Yield	500	400	500	500	--	545	557	600	565	600	614	1026	833

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kendrapara	Area	0.2	0.09	0.04	0.081	--	0.17	0.2	0.3	0.32	0.37	0.44	0.31
	Prod.	0.08	0.07	0.03	0.061	--	0.16	0.2	0.29	0.21	0.25	0.18	0.32
	Yield	400	778	750	753	--	941	1000	967	656	676	667	1182	1032
Kendujhar (Keonjhar)	Area	0.4	0.2	0.2	0.5	--	0.42	0.47	0.28	0.55	0.58	0.65	4.36
	Prod.	0.5	0.2	0.3	0.6	--	0.54	0.61	0.38	0.74	0.78	0.88	5.92
	Yield	1250	1000	1500	1200	--	1286	1298	1357	1345	1345	1354	1311	1358
Khordha	Area	0.1	0.05	0.06	0.03	--	0.07	0.06	0.19	0.13	0.14	0.16	0.17
	Prod.	0.04	0.02	0.03	0.014	--	0.04	0.04	0.12	0.08	0.1	0.11	0.18
	Yield	400	400	500	467	--	571	667	632	615	714	688	917	1059
Koraput	Area	0.32	0.22	0.36	0.3	--	0.34	0.38	0.36	0.32	0.42	0.52	0.12
	Prod.	0.08	0.06	0.24	0.2	--	0.24	0.27	0.25	0.22	0.3	0.37	0.11
	Yield	250	273	667	667	--	706	711	694	688	714	712	815	917
Mayurbhanj	Area	0.15	0.08	0.15	0.1	--	0.24	0.38	0.24	0.27	0.19	0.4	0.64
	Prod.	0.13	0.07	0.13	0.1	--	0.21	0.31	0.19	0.23	0.17	0.38	0.53
	Yield	867	875	867	1000	--	875	816	792	852	895	950	1120	828
Nabarangpur	Area	0.2	0.09	0.06	0.052	--	0.06	0.06	0.08	0.08	0.12	0.17	0.46
	Prod.	0.1	0.03	0.03	0.034	--	0.04	0.04	0.05	0.05	0.09	0.12	0.6
	Yield	500	333	500	654	--	667	667	625	625	750	706	1304
Nayagadh	Area	0.4	0.1	0.1	0.2	--	0.27	0.32	0.23	0.33	0.37	0.23	0.5
	Prod.	0.3	0.06	0.08	0.1	--	0.18	0.22	0.16	0.22	0.36	0.22	0.4
	Yield	750	600	800	500	--	667	688	696	667	973	957	1081	1000
Nuapada	Area	0.9	0.12	0.33	0.3	--	0.38	0.41	0.32	0.23	0.38	0.83	0.42
	Prod.	0.29	0.02	0.1	0.1	--	0.22	0.25	0.2	0.15	0.34	0.68	0.47
	Yield	322	167	303	333	--	579	610	625	652	895	819	979	1119

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Puri	Area	0.05	0.1	0.2	0.3	--	0.48	0.71	0.63	0.69	0.72	0.74	0.15
	Prod.	0.02	0.03	0.09	0.1	--	0.23	0.41	0.37	0.69	0.72	0.83	0.15
	Yield	400	300	450	333	--	479	577	587	910	1000	1122	1000
Rayagada	Area	0.3	0.1	0.2	0.2	--	0.34	0.48	0.66	1.19	1.74	2.51	0.23
	Prod.	0.08	0.04	0.09	0.1	--	0.22	0.32	0.44	1.19	2.09	3.05	0.22
	Yield	267	400	450	500	--	647	667	667	701	1201	1215	957
Sambalpur	Area	0.2	0.1	0.12	0.2	--	0.29	0.26	0.2	0.26	0.21	0.25	0.63
	Prod.	0.09	0.06	0.07	0.097	--	0.15	0.15	0.12	0.15	0.12	0.2	0.7
	Yield	450	600	583	485	--	517	577	600	607	571	800	1111
Subarnapur (Sonepur)	Area	0.2	0.1	0.1	0.1	--	0.17	0.23	0.24	0.28	0.5	0.78	1.28
	Prod.	0.2	0.1	0.1	0.1	--	0.17	0.23	0.25	0.29	0.52	0.82	1.58
	Yield	1000	1000	1000	1000	--	1000	1000	1042	1028	1040	1051	1234
Sundargarh	Area	0.5	0.1	0.28	0.3	--	0.22	1.09	0.34	0.49	0.64	0.6	0.3
	Prod.	0.6	0.08	0.16	0.2	--	0.16	0.83	0.26	0.3	0.52	0.71	0.33
	Yield	1200	800	571	667	--	727	761	765	789	813	1183	1100

Tamil Nadu

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ariyalur	Area	--	--	--	--	--	--	0.2	0.1	0.2	0.2	0.8	0.077
	Prod.	--	--	--	--	--	--	--	0.1	0.2	0.4	0.9	0.101
	Yield	--	--	--	--	--	--	--	1000	1000	2000	1125	1312
Coimbatore	Area	0.045	0.01	0.013	0.5	0.3	0.4	0.029	0.007	0.003	0.048	0.004	0.001
	Prod.	0.06	0.012	0.017	0.5	0.4	0.7	0.4	0.009	0.004	0.088	0.005	0.002
	Yield	1333	1200	1308	1000	1333	1667	1750	13793	1286	1333	1833	1250	2000
Cuddalore	Area	0.005	0.2	0.3	1.2	1	0.6	0.3	0.2	0.02	0.008	0.015	0.029
	Prod.	0.01	0.3	0.4	0.6	0.7	0.7	0.3	0.2	0.024	0.015	0.017	0.035
	Yield	2000	1500	1333	500	700	1167	1500	1000	1200	1875	1133	1207
Dharmapuri	Area	0.5	0.5	0.2	0.6	0.4	1.8	1.4	1.4	0.8	0.5	0.1	0.131
	Prod.	0.4	0.3	0.1	0.3	0.2	1.7	1.3	2.3	1	1	0.1	0.239
	Yield	800	600	500	500	500	2125	1278	929	1643	2000	1000	1824
Dindigul	Area	0.3	0.3	0.4	1	1.7	4.2	2.2	1	0.6	1.4	1.1	1.115
	Prod.	0.4	0.3	0.5	1.2	2.6	9.4	3.9	1.6	0.8	2.1	1.4	1.71
	Yield	1333	1000	1250	1200	1529	2238	1532	1773	1600	1333	1500	1273	1534
Erode	Area	0.4	0.3	0.7	1.9	1.7	5.7	1.1	0.3	0.09	0.1	0.052	0.036
	Prod.	0.6	0.5	1.1	3.2	3.4	15	4.8	0.6	0.1	0.2	0.056	0.043
	Yield	1500	1667	1571	1684	2000	2632	2000	4364	2000	1111	1077	1194
Kanchipuram	Area	--	--	0.006	0.043	0.046	0.03	0.064	0.003	0.008	0.012	--	0.007
	Prod.	--	--	0.008	0.046	0.057	0.055	0.1	0.004	0.009	0.022	--	0.011
	Yield	--	--	1333	1070	1239	1833	1563	1337	1125	1833	--	1571
Karur	Area	0.2	0.3	1.1	1.7	3.4	4.7	4.7	2.7	2.2	5.6	2.5	0.9
	Prod.	0.3	0.3	1.5	2.3	4.3	6.4	6.2	3	3.1	11.2	3.8	1.8
	Yield	1500	1000	1364	1353	1265	1362	1128	1319	1409	2000	1520	2000

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Krishnagiri	Area	--	--	0.2	0.058	0.066	0.2	0.1	0.1	0.084	0.079	0.008	--
	Prod.	--	--	0.2	0.072	0.1	0.4	0.2	0.2	0.098	0.1	0.01	--
	Yield	--	--	1000	1241	1515	2000	2000	2000	1167	1266	1250	--
Madurai	Area	0.1	0.2	0.3	0.3	0.1	0.4	0.3	0.2	0.095	0.2	0.081	0.048
	Prod.	0.1	0.1	0.3	0.3	0.1	0.4	0.4	0.2	0.1	0.3	0.08	0.058
	Yield	1000	500	1000	1000	1000	1000	1333	1000	1053	1500	988	1208
Nagapattinam	Area	--	0.002	0.044	0.069	0.007	--	0.001	--	--	--	--	--
	Prod.	--	0.002	0.057	0.073	0.03	--	0.001	--	--	--	--	--
	Yield	--	1000	1296	1058	1250	1857	1000	--	--	--	--	--
Namakkal	Area	0.5	0.2	0.4	0.4	0.6	1.3	0.9	0.6	0.063	0.4	0.3	0.056
	Prod.	0.9	0.2	0.3	0.4	1.3	2	1.7	1.1	0.1	0.9	0.4	0.158
	Yield	1800	1000	750	1000	2167	1667	1539	1889	1833	1587	1333	2821
Perambalur	Area	0.034	0.8	1.5	0.6	0.6	1.3	0.4	0.2	0.2	0.053	0.2	0.045
	Prod.	0.04	0.9	2	0.4	0.3	0.4	0.4	0.3	0.2	0.096	0.2	0.059
	Yield	1177	1125	1333	667	600	667	769	1000	1500	1811	1000	1311
Pudukkottai	Area	0.005	0.004	0.011	0.002	0.005	0.1	0.1	0.019	0.001	0.019	0.002	0.008
	Prod.	0.01	0.005	0.014	0.002	0.006	0.2	0.1	0.025	0.001	0.035	0.002	0.014
	Yield	2000	1250	1273	1000	1200	1875	2000	1316	1000	1842	1000	1750
Ramanathapuram	Area	0.027	0.072	0.045	0.025	0.047	0.2	0.049	0.077	0.1	0.062	0.1	0.1
	Prod.	0.04	0.083	0.058	0.027	0.058	0.4	0.029	0.065	0.1	0.1	0.1	0.1
	Yield	1482	1153	1289	1080	1234	2000	1611	1327	1299	1613	1000	1000
Salem	Area	0.1	0.063	0.3	0.8	0.3	1	1.1	0.2	0.1	0.063	0.048	0.025
	Prod.	0.2	0.07	0.4	0.9	0.3	2.4	1.4	0.4	0.2	0.1	0.099	0.027
	Yield	2000	1111	1333	1125	1000	3000	2400	2000	2000	1587	2063	1080

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sivaganga	Area	--	--	0.033	0.013	0.001	0.021	--	0.002	0.003	--	--	0.03
	Prod.	--	--	0.035	0.016	0.002	0.033	--	0.003	0.004	--	--	0.054
	Yield	--	--	1061	1231	2000	1571	--	1500	1333	--	--	1800
Thanjavur	Area	--	0.018	0.1	0.2	0.1	0.2	0.063	0.029	0.009	0.013	0.029	0.031
	Prod.	--	0.021	0.2	0.2	0.2	0.4	0.084	0.039	0.011	0.024	0.031	0.05
	Yield	--	1167	2000	1000	2000	2000	1333	1345	1222	1846	1069	1613
Theni	Area	0.2	0.2	0.1	0.2	0.1	0.074	0.1	0.056	0.1	0.073	0.3	0.066
	Prod.	0.2	0.1	0.2	0.2	0.057	0.1	0.2	0.074	0.2	0.1	0.4	0.102
	Yield	1000	500	2000	1000	570	1351	2000	1321	2000	1370	1333	1546
Thoothukudi	Area	0.9	1	0.9	1	1.3	0.9	1.2	1.9	1.3	1.3	2.1	2.5
	Prod.	0.4	0.3	0.2	0.4	0.6	0.5	0.7	1.2	0.6	1.9	0.4	1.5
	Yield	444	300	222	400	462	556	583	632	462	1462	191	600
Tiruchirappalli	Area	1.9	2.5	2.3	3.4	2.4	3.7	7.2	1.6	1	1.4	1.4	0.7
	Prod.	4	4.7	4.8	4	2.7	5.3	12.7	4.1	2.6	2.5	2.4	0.999
	Yield	2105	1880	2087	1177	1125	1432	1764	1708	1100	1786	1714	1427
Tirunelveli	Area	0.083	0.1	0.3	0.8	0.9	1	3.2	0.7	0.4	0.4	0.4	0.7
	Prod.	0.1	0.2	0.3	0.6	0.9	1.6	6	1.2	0.6	0.7	0.3	0.8
	Yield	1205	2000	1000	750	1000	1600	1875	1714	1500	1750	750	1143
Tirupur	Area	--	--	--	--	--	--	1.7	0.4	0.2	0.5	0.035	0.019
	Prod.	--	--	--	--	--	--	--	0.6	0.3	0.9	0.038	0.032
	Yield	--	--	--	--	--	--	--	1500	1500	1800	1086	1684
Tiruvallur	Area	--	0.005	0.015	0.082	0.2	0.2	0.2	0.056	0.008	0.039	0.022	0.003
	Prod.	--	0.006	0.019	0.087	0.2	0.3	0.3	0.074	0.009	0.07	0.022	0.005
	Yield	--	1200	1267	1061	1000	1500	1500	1321	1125	1795	1000	1667

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Tiruvannamalai	Area	0.018	0.011	0.1	0.7	0.2	0.2	1.8	0.7	0.3	0.2	0.2	0.3
	Prod.	0.02	0.013	0.2	0.8	0.4	0.5	2.4	1.5	0.6	0.4	0.3	0.6
	Yield	1111	1182	2000	1143	2000	2500	2333	1333	2143	2000	2000	1500	2000
Tiruvarur	Area	--	--	0.026	0.1	0.002	--	0.005	--	--	--	--	--
	Prod.	--	--	0.034	0.1	0.002	--	0.008	--	--	--	--	--
	Yield	--	--	1308	1000	1000	--	1600	--	--	--	--	--
Vellore	Area	0.015	0.03	0.028	0.079	0.089	0.058	0.3	0.1	0.015	0.049	0.028	0.011
	Prod.	0.02	0.035	0.036	0.084	0.1	0.1	0.4	0.2	0.018	0.088	0.033	0.017
	Yield	1333	1167	1286	1063	1124	1724	1333	1400	2000	1796	1179	1546
Viluppuram	Area	0.047	0.073	0.4	1.8	1	1.1	1.5	0.9	0.1	0.2	0.1	0.065
	Prod.	0.06	0.084	0.5	1.9	1.7	1.8	2.7	1.5	0.2	0.3	0.2	0.11
	Yield	1277	1151	1250	1056	1700	1636	1800	1667	1750	1500	2000	1692
Virudhunagar	Area	1.1	0.8	0.7	0.6	0.5	0.7	1.1	1.1	0.7	0.6	0.8	0.805
	Prod.	0.7	0.4	0.3	0.3	0.4	0.9	0.8	0.6	0.3	0.8	0.2	1.209
	Yield	636	500	429	500	800	1286	727	400	636	1333	250	1502

Telangana

District		2013-14	2014-15
Adilabad	Area	0.309	0.041
	Prod.	0.218	0.031
	Yield	704	746
Karimnagar	Area	--	--
	Prod.	--	--
	Yield	--	--
Khammam	Area	--	--
	Prod.	--	--
	Yield	--	--
Mahbubnagar	Area	0.118	0.3
	Prod.	0.083	0.224
	Yield	704	746
Medak	Area	3.915	1.561
	Prod.	2.388	0.846
	Yield	610	542
Nalgonda	Area	--	--
	Prod.	--	--
	Yield	--	--
Nizamabad	Area	2.284	1.457
	Prod.	1.608	1.409
	Yield	704	967
Ranga Reddy	Area	1.241	0.796
	Prod.	1.276	0.59
	Yield	1028	741
Warangal	Area	--	--
	Prod.	--	--
	Yield	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bahraich	Area	0.078	0.001	--	--	--	0.03	0.015	--	0.021	--	0.016	0.017
	Prod.	0.2	0.001	--	0.02	--	0.048	0.028	--	0.045	--	0.012	0.027
	Yield	2564	1000	--	2000	--	1600	1867	--	2143	--	750	1588
Ballia	Area	0.006	0.003	0.006	0.002	0.007	0.011	0.033	0.056	0.032	0.025	0.037	0.025
	Prod.	0.012	0.005	0.01	0.004	0.009	0.018	0.061	0.1	0.068	0.043	0.029	0.04
	Yield	2000	1667	1667	2000	1286	1636	1849	1786	2125	1720	784	1600
Balrampur	Area	--	--	--	--	--	--	--	--	--	--	--	0.031
	Prod.	--	--	--	--	--	--	--	--	--	--	--	0.05
	Yield	--	--	--	--	--	--	--	--	--	--	--	1613
Banda	Area	--	--	0.019	--	--	--	--	0.001	--	--	0.007	0.002
	Prod.	--	--	0.032	--	--	--	--	0.002	--	--	0.005	0.003
	Yield	--	--	1684	--	--	--	--	2000	--	--	714	1500
Barabanki	Area	0.007	0.001	0.002	0.014	0.002	0.044	0.002	--	0.007	0.007	--	0.006
	Prod.	0.008	0.001	0.003	0.027	0.003	0.071	0.004	--	0.015	0.012	--	0.01
	Yield	1143	1000	1500	1929	1500	1614	2000	--	2143	1714	--	1667
Bareilly	Area	0.2	0.3	0.5	0.3	0.5	0.095	0.2	0.1	0.072	0.085	0.085	0.046
	Prod.	0.3	0.4	0.9	0.6	0.7	0.3	0.3	0.3	0.2	0.1	0.066	0.074
	Yield	1500	1333	1800	2000	1400	3158	1500	3000	2778	1177	777	1609
Basti	Area	--	--	--	0.001	--	0.033	0.033	0.035	0.003	0.033	0.035	--
	Prod.	--	--	--	0.002	--	0.054	0.061	0.077	0.006	0.056	0.027	--
	Yield	--	--	--	2000	--	1636	1849	2200	2000	1697	771	--
Bijnor	Area	0.001	0.006	0.007	0.014	0.008	--	0.001	0.001	--	--	--	--
	Prod.	0.001	0.006	0.012	0.025	0.012	--	0.002	0.001	--	--	--	--
	Yield	1000	1000	1714	1786	1500	--	2000	1000	--	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Budaun	Area	0.042	0.033	0.1	0.4	0.1	0.007	--	0.011	0.002	--	0.002	0.025
	Prod.	0.081	0.047	0.2	0.3	0.2	0.02	--	0.024	0.004	--	0.002	0.04
	Yield	1929	1424	2000	3000	1000	2857	--	2182	2000	--	1000	1600
Bulandshahr	Area	0.013	0.057	0.063	0.087	0.2	0.047	0.065	0.003	0.019	0.008	0.023	0.002
	Prod.	0.025	0.082	0.1	0.2	0.2	0.033	0.1	0.007	0.041	0.014	0.018	0.003
	Yield	1923	1439	1587	2299	1000	1650	1539	2333	2158	1750	783	1500
Chandauli	Area	--	--	0.001	0.002	--	0.001	--	--	--	--	0.006	--
	Prod.	--	--	0.002	0.004	--	0.001	--	--	--	--	0.005	--
	Yield	--	--	2000	2000	--	1000	--	--	--	--	833	--
Chitrakoot	Area	--	--	--	0.001	--	0.001	--	--	--	--	--	--
	Prod.	--	--	--	0.002	--	0.001	--	--	--	--	--	--
	Yield	--	--	--	2000	--	1000	--	--	--	--	--	--
Deoria	Area	0.003	0.001	0.002	--	--	--	--	--	--	--	--	--
	Prod.	0.006	0.001	0.003	--	--	--	--	--	--	--	--	--
	Yield	2000	1000	1500	--	--	--	--	--	--	--	--	--
Etah	Area	0.2	0.1	0.8	0.3	1	0.2	0.2	0.1	0.095	0.023	0.2	--
	Prod.	0.2	0.2	1.4	0.7	1.2	0.9	0.4	0.3	0.1	0.039	0.2	--
	Yield	1000	2000	1750	2333	1200	3000	2000	3000	1053	1696	1000	--
Etawah	Area	0.031	0.007	--	0.009	0.001	0.004	0.018	0.009	0.014	0.001	--	0.009
	Prod.	0.073	0.013	--	0.018	0.001	0.005	0.033	0.02	0.031	0.002	--	0.014
	Yield	2355	1857	--	2000	1000	1250	1833	2222	2214	2000	--	1556
Faizabad	Area	0.005	0.005	0.006	0.007	0.005	0.006	0.005	--	--	0.056	0.019	--
	Prod.	0.006	0.005	0.01	0.014	0.006	0.01	0.009	--	--	0.095	0.015	--
	Yield	1200	1000	1667	2000	1200	1667	1800	--	--	1696	790	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Farrukhabad	Area	0.9	1	1.3	2.7	1.4	2.2	2.7	2.2	2.6	1.5	1.5	0.7
	Prod.	2	1.8	2.2	5.2	1.9	3.6	4.5	3.5	7.5	3.8	2.5	0.5
	Yield	2222	1800	1692	1926	1357	1636	1667	1591	2885	2533	1667	714
Fatehpur	Area	0.045	0.011	0.005	0.01	0.024	0.006	0.03	0.007	0.022	--	0.002	0.003
	Prod.	0.087	0.016	0.008	0.02	0.03	0.009	0.049	0.013	0.048	--	0.003	0.002
	Yield	1933	1455	1600	2000	1250	1500	1633	1857	2182	--	1500	667
Firozabad	Area	0.033	0.005	0.023	0.1	0.1	0.1	0.085	0.086	0.1	0.085	0.039	0.096
	Prod.	0.038	0.007	0.039	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.067	0.075
	Yield	1152	1400	1696	3000	2000	2000	2353	2326	3000	2353	1718	781
Gautam Buddha Nagar	Area	0.017	0.014	0.006	0.01	--	--	--	0.007	--	--	--	--
	Prod.	0.033	0.02	0.01	0.019	--	--	--	0.013	--	--	--	--
	Yield	1941	1429	1667	1900	--	--	--	1857	--	--	--	--
Ghaziabad	Area	0.002	0.011	0.001	0.003	--	0.003	--	--	0.002	--	--	--
	Prod.	0.004	0.016	0.002	0.006	--	0.004	--	--	0.004	0.002	--	--
	Yield	2000	1455	2000	2000	--	1333	--	--	2000	2000	--	--
Ghaziipur	Area	0.011	0.009	0.01	0.007	0.015	0.016	0.015	0.009	0.005	0.025	0.023	0.023
	Prod.	0.021	0.013	0.016	0.014	0.019	0.024	0.024	0.017	0.011	0.053	0.039	0.018
	Yield	1909	1444	1600	2000	1267	1500	1600	1889	2200	2120	1696	783
Gonda	Area	--	0.001	0.008	0.001	0.002	--	0.009	--	--	--	--	--
	Prod.	--	0.002	0.013	0.002	0.003	--	0.015	--	--	--	--	--
	Yield	--	2000	1625	2000	1500	--	1667	--	--	--	--	--
Gorakhpur	Area	0.1	0.026	0.086	0.001	0.041	--	0.003	--	0.013	--	--	0.066
	Prod.	0.2	0.038	0.1	0.002	0.052	--	0.005	--	0.029	--	--	0.1
	Yield	2000	1462	1163	2000	1268	--	1667	--	2231	--	--	1515

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Hamirpur	Area	0.004	--	0.015	0.001	--	--	--	--	--	--	--	--
	Prod.	0.008	--	0.025	0.002	--	--	--	--	--	--	--	--
	Yield	2000	--	1667	2000	--	--	--	--	--	--	--	--
Hardoi	Area	0.1	0.078	0.4	0.9	0.5	1	0.6	0.3	0.2	0.3	0.07	0.1
	Prod.	0.2	0.1	0.6	1.8	0.6	1.5	1.7	0.6	0.5	0.6	0.1	0.1
	Yield	2000	1282	1500	2000	1200	1500	2833	2000	2500	2000	1429	1000
Hathras (Mahamaya Nagar)	Area	0.051	0.024	0.1	0.4	0.1	0.4	0.054	0.033	0.031	0.012	0.016	0.016
	Prod.	0.058	0.034	0.2	0.7	0.1	0.6	0.2	0.058	0.068	0.018	0.028	0.012
	Yield	1137	1417	2000	1750	1000	1500	3704	1758	2194	1500	1750	750
Jalaun	Area	0.014	0.001	0.008	0.004	--	--	--	0.001	0.001	--	--	--
	Prod.	0.027	0.001	0.013	0.008	--	--	--	0.002	0.002	--	--	--
	Yield	1929	1000	1625	2000	--	--	--	2000	2000	--	--	--
Jaunpur	Area	0.053	0.031	0.003	0.005	--	0.024	0.001	0.011	0.019	0.012	0.009	--
	Prod.	0.1	0.044	0.005	0.01	--	0.036	0.002	0.02	0.042	0.026	0.016	--
	Yield	1887	1419	1667	2000	--	1500	2000	1818	2211	2167	1778	--
Jhansi	Area	--	--	--	0.012	--	--	--	--	0.009	0.022	--	0.093
	Prod.	--	--	--	0.023	--	--	--	--	0.02	0.047	--	0.1
	Yield	--	--	--	1917	--	--	--	--	2222	2136	--	1075
Kannauj	Area	0.5	2.7	3.8	4.1	4.3	5.1	3.7	3.1	1.4	0.7	0.6	--
	Prod.	0.6	3.5	6.4	8.5	5.2	7	4.4	4.1	2.1	0.9	0.9	1.9
	Yield	1200	1296	1684	2073	1209	1373	1189	1323	1500	1286	1500	--
Kanpur Dehat (Ramabai Nagar)	Area	--	--	0.016	0.031	0.018	0.2	0.036	0.058	0.021	--	0.029	0.1
	Prod.	--	--	0.027	0.061	0.025	0.2	0.042	0.1	0.047	--	0.05	0.082
	Yield	--	--	1688	1968	1389	1000	1167	1724	2238	--	1724	820

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kanpur Nagar	Area	1.3	1	1.7	1.7	0.5	2.6	1.2	0.9	0.2	0.3	0.3	0.2
	Prod.	3.8	1.9	2.9	3.3	1.1	1.4	4.3	1.6	0.3	0.5	0.3	0.3
	Yield	2923	1900	1706	1941	1353	539	3583	1778	1500	1667	1000	1500
Kasganj (Kanshi Ram Nagar)	Area	--	--	--	--	--	--	--	0.1	0.03	0.007	0.025	0.004
	Prod.	--	--	--	--	--	--	--	0.2	0.046	0.012	0.02	0.006
	Yield	--	--	--	--	--	--	--	2000	1533	1714	800	1500
Kaushambi	Area	--	0.001	0.001	0.001	0.001	0.002	0.005	0.004	0.004	0.004	0.007	--
	Prod.	--	0.001	0.002	0.002	0.003	0.001	0.003	0.009	0.009	0.007	0.006	--
	Yield	--	1000	2000	2000	1500	1000	1500	2250	2250	1750	857	--
Kushinagar	Area	--	0.003	0.003	--	--	0.048	--	--	0.001	--	0.001	0.001
	Prod.	--	0.004	0.005	--	--	0.077	--	--	0.002	--	0.001	0.001
	Yield	--	1333	1667	--	--	1604	--	--	2000	--	1000	1000
Lakhimpur Kheri	Area	0.011	--	0.004	0.2	0.004	--	0.003	--	--	--	0.001	--
	Prod.	0.021	--	0.007	0.3	0.005	--	0.006	--	--	--	0.001	--
	Yield	1909	--	1750	1500	1250	1500	2000	--	--	--	1000	--
Lalitpur	Area	0.04	0.008	0.009	0.006	0.003	--	--	--	--	--	--	0.2
	Prod.	0.077	0.012	0.015	0.012	0.004	--	--	--	--	--	--	0.3
	Yield	1925	1500	1667	2000	1333	--	--	--	--	--	--	1500
Lucknow	Area	0.006	0.002	0.007	0.027	0.001	0.001	--	--	--	--	--	--
	Prod.	0.011	0.003	0.012	0.053	0.001	0.002	--	--	--	--	--	--
	Yield	1833	1500	1714	1963	1000	2000	--	--	--	--	--	--
Maharajganj	Area	0.019	0.004	--	--	--	0.001	0.001	0.01	0.002	0.007	0.012	0.012
	Prod.	0.037	0.006	--	--	--	0.002	0.002	0.022	0.004	0.012	0.009	0.019
	Yield	1947	1500	--	--	--	2000	2000	2200	2000	1714	750	1583

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mahoba	Area	0.01	0.005	0.023	0.1	0.023	--	--	--	--	--	--	--
	Prod.	0.019	0.007	0.038	0.3	0.029	--	--	--	--	--	--	--
	Yield	1900	1400	1652	3000	1261	--	--	--	--	--	--	--
Mainpuri	Area	0.019	0.007	0.1	0.1	0.3	0.2	0.4	0.3	0.8	0.6	0.4	0.011
	Prod.	0.022	0.01	0.2	0.3	0.3	0.2	1.2	0.6	1.7	1	0.3	0.018
	Yield	1158	1429	2000	3000	1000	1000	3000	2000	2333	1667	750	1636
Mathura	Area	0.012	--	0.004	0.008	0.003	0.007	--	--	--	--	--	--
	Prod.	0.014	--	0.007	0.016	0.004	0.01	--	--	--	--	--	--
	Yield	1167	--	1750	2000	1333	1429	--	--	--	--	--	--
Mau	Area	--	0.001	--	--	--	--	--	0.012	0.016	0.015	0.014	0.014
	Prod.	--	0.001	--	--	--	--	--	0.026	0.034	0.026	0.011	0.022
	Yield	--	1000	--	--	--	--	--	2167	2125	1733	786	1571
Meerut	Area	0.028	0.002	0.011	0.003	--	0.002	--	--	--	--	--	--
	Prod.	0.054	0.003	0.018	0.006	--	0.003	--	--	--	--	--	--
	Yield	1929	1500	1636	2000	--	1500	--	--	--	--	--	--
Mirzapur	Area	0.002	0.002	0.007	0.002	0.003	0.003	--	--	--	--	--	--
	Prod.	0.004	0.003	0.012	0.004	0.004	0.005	--	--	--	--	--	--
	Yield	2000	1500	1714	2000	1333	1667	--	--	--	--	--	--
Moradabad	Area	0.002	0.06	0.005	0.005	0.014	0.005	0.004	--	--	--	--	--
	Prod.	0.002	0.066	0.008	0.009	0.02	0.008	0.011	0.004	--	--	--	--
	Yield	1000	1100	1600	1800	1429	1600	2750	2000	--	--	--	--
Muzaffarnagar	Area	0.008	0.004	0.002	0.019	0.002	0.019	--	0.001	--	--	--	--
	Prod.	0.015	0.006	0.003	0.037	0.003	0.028	--	0.002	--	--	--	--
	Yield	1875	1500	1500	1947	1500	1474	--	2000	--	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Pilibhit	Area	0.05	0.2	0.055	0.05	0.055	0.007	0.001	0.009	0.001	0.006	0.005	0.042
	Prod.	0.097	0.2	0.093	0.098	0.066	0.011	0.003	0.017	0.002	0.013	0.004	0.067
	Yield	1940	1000	1691	1960	1200	1571	3000	1889	2000	2167	1800	800	1595
Pratapgarh	Area	0.012	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.023	--	--	--	--	--	--	--	--	--	--	--
	Yield	1917	--	--	--	--	--	--	--	--	--	--	--
Raebareli	Area	0.02	0.018	0.058	0.011	0.01	0.018	0.3	0.036	0.026	0.005	0.011	0.039
	Prod.	0.039	0.026	0.097	0.022	0.012	0.027	0.8	0.072	0.06	0.01	0.019	0.031
	Yield	1950	1444	1672	2000	1200	1500	2667	2000	2308	2000	1727	795
Rampur	Area	0.9	1.4	2.1	1.9	1.5	0.4	1.3	0.9	0.6	0.003	0.009	0.012
	Prod.	1	1.5	3.6	3.4	2.2	0.6	3.7	1.7	0.8	0.004	0.015	0.02
	Yield	1111	1071	1714	1790	1467	1500	2846	1889	1333	1333	1667	1429
Saharanpur	Area	--	--	0.01	--	0.005	--	--	--	--	--	--	--
	Prod.	--	--	0.017	--	0.006	--	--	--	--	--	--	--
	Yield	--	--	1700	--	1200	--	--	--	--	--	--	--
Sambhal (Bheem Nagar)	Area	--	--	--	--	--	--	--	--	--	--	--	0.012
	Prod.	--	--	--	--	--	--	--	--	--	--	--	0.017
	Yield	--	--	--	--	--	--	--	--	--	--	--	1417
Sant Kabir Nagar	Area	0.003	--	--	--	--	--	0.007	0.011	--	--	--	--
	Prod.	0.006	--	--	--	--	--	0.011	0.021	--	--	--	--
	Yield	2000	--	--	--	--	--	1571	1909	--	--	--	--
Sant Ravidas Nagar	Area	--	--	--	--	0.003	--	--	0.009	0.006	0.036	--	0.015
	Prod.	--	--	--	--	0.004	--	0.017	--	0.013	0.061	--	0.024
	Yield	--	--	--	--	1333	--	1889	--	2167	1694	--	1600

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Shahjahanpur	Area	0.3	0.02	0.014	0.006	0.029	0.006	0.011	0.001	0.003	0.003	--	0.005
	Prod.	0.5	0.029	0.024	0.012	0.035	0.009	0.031	0.002	0.006	0.005	--	0.008
	Yield	1667	1450	1714	2000	1207	1500	2818	2000	2000	1667	--	1600
Shravasti	Area	0.005	--	0.004	--	--	--	--	--	--	--	--	--
	Prod.	0.01	--	0.007	--	--	--	--	--	--	--	--	--
	Yield	2000	--	1750	--	--	--	--	--	--	--	--	--
Siddharthnagar	Area	0.026	0.001	--	--	--	--	--	--	--	--	--	--
	Prod.	0.05	0.001	--	--	--	--	--	--	--	--	--	--
	Yield	1923	1000	--	--	--	--	--	--	--	--	--	--
Sitapur	Area	0.041	0.002	0.002	0.086	0.002	2.3	--	0.004	--	--	--	--
	Prod.	0.079	0.003	0.003	0.2	0.002	3.5	--	0.009	--	--	--	--
	Yield	1927	1500	1500	2326	1000	1522	--	2250	--	--	--	--
Sonbhadra	Area	0.005	0.001	0.006	--	--	--	--	--	0.001	--	--	--
	Prod.	0.01	0.001	0.01	--	--	--	--	--	0.002	--	--	--
	Yield	2000	1000	1667	--	--	--	--	--	2000	--	--	--
Sultanpur	Area	0.1	0.078	0.069	0.053	0.079	0.009	0.051	0.034	0.042	0.014	0.039	0.013
	Prod.	0.1	0.086	0.1	0.1	0.1	0.014	0.083	0.075	0.089	0.024	0.031	0.021
	Yield	1000	1103	1449	1887	1266	1556	1628	1863	2206	1714	795	1615
Unnao	Area	0.02	0.051	0.2	0.6	0.086	0.3	0.4	0.2	0.1	0.089	0.043	0.086
	Prod.	0.039	0.073	0.4	1.1	0.1	0.5	1	0.3	0.3	0.2	0.074	0.1
	Yield	1950	1431	2000	1833	1163	1667	2500	1500	3000	1721	960	1163
Varanasi	Area	0.012	--	0.021	--	0.019	--	--	0.001	--	--	--	--
	Prod.	0.023	--	0.035	--	0.024	--	--	0.002	--	--	--	--
	Yield	1917	--	1667	--	1263	--	--	2000	2000	--	--	--

West Bengal		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bankura	Area	--	--	0.021	0.047	0.099	0.08	0.3	0.6	0.2	--	0.246	0.701	0.585
	Prod.	--	--	0.007	0.064	0.1	0.1	0.6	1.2	0.085	--	0.363	1.166	0.912
	Yield	--	--	333	1362	1010	1250	2000	2000	425	--	1476	1663	1559
Bardhaman	Area	--	0.075	0.1	0.059	0.1	0.022	0.031	0.1	0.049	--	0.053	0.134	0.048
	Prod.	--	0.079	0.1	0.063	0.2	0.033	0.057	0.2	0.071	--	0.088	0.182	0.073
	Yield	--	1053	1000	1068	2000	1500	1839	2000	1449	--	1660	1358	1521
Birbhum	Area	--	--	--	0.035	0.075	0.011	0.032	0.4	0.053	--	0.044	0.068	0.07
	Prod.	--	--	--	0.044	0.082	0.017	0.03	0.3	0.09	--	0.042	0.065	0.067
	Yield	--	--	--	1257	1093	1546	938	750	1698	--	955	956	957
Cooch Behar	Area	--	--	0.097	0.1	--	--	--	--	0.05	--	--	--	--
	Prod.	--	--	0.044	0.049	--	--	--	--	0.063	--	--	--	--
	Yield	--	--	454	490	--	--	--	--	1260	--	--	--	--
Dakshin Dinajpur	Area	--	--	--	0.034	0.089	0.035	0.067	0.025	0.045	--	0.021	0.02	0.025
	Prod.	--	--	--	0.028	0.094	0.034	0.074	0.022	0.053	--	0.021	0.021	0.025
	Yield	--	--	--	824	1056	971	1105	880	1178	--	1000	1050	1000
Hooghly	Area	--	--	0.081	--	0.058	0.048	--	0.05	0.2	--	0.04	0.041	0.025
	Prod.	--	--	0.025	--	0.07	0.057	--	0.084	0.2	--	0.065	0.067	0.039
	Yield	--	--	309	--	1207	1188	--	1680	1000	--	1625	1634	1560
Howrah	Area	0.002	--	0.072	0.053	0.053	0.036	0.3	0.1	7.3	--	0.167	0.178	0.183
	Prod.	0.002	--	0.027	0.043	0.043	0.044	0.4	0.1	7.7	--	0.188	0.201	0.207
	Yield	1000	--	375	811	811	1222	1333	1000	1055	--	1126	1129	1131

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Jalpaiguri	Area	--	--	0.098	0.1	0.1	0.1	0.094	0.1	0.007	--	0.042	0.056	0.131
	Prod.	--	--	0.048	0.1	0.1	0.1	0.1	0.1	0.01	--	0.046	0.09	0.169
	Yield	--	--	490	1000	1000	1000	1064	1000	1429	--	1095	1607	1290
Maldah	Area	--	--	0.1	0.3	0.3	0.076	0.1	0.075	0.006	--	--	--	--
	Prod.	--	--	0.085	0.2	0.2	0.053	0.078	0.053	0.006	--	--	--	--
	Yield	--	--	850	667	667	697	780	707	1000	--	--	--	--
Murshidabad	Area	--	--	0.1	0.076	0.1	0.029	0.088	0.026	0.07	--	0.108	0.04	0.059
	Prod.	--	--	0.046	0.1	0.2	0.049	0.1	0.028	0.049	--	0.118	0.045	0.06
	Yield	--	--	460	1316	2000	1690	1136	1077	700	--	1093	1125	1017
Nadia	Area	0.2	0.5	1.3	1.4	1.3	1.1	1	0.2	0.007	--	0.03	0.012	--
	Prod.	0.2	0.8	1.2	2.1	2	1.7	1.5	0.3	0.007	--	0.045	0.019	--
	Yield	1000	1600	923	1500	1539	1546	1500	1500	1000	--	1500	1583	--
North 24 Parganas	Area	0.3	--	2.1	1.6	1.6	1.7	1.5	0.9	0.8	--	0.564	0.368	0.119
	Prod.	0.5	--	1.9	2	2	1.7	1.8	1	1.5	--	0.645	0.451	0.113
	Yield	1667	--	905	1250	1250	1000	1200	1111	1875	--	1144	1226	950
Paschim Medinipur	Area	0.013	0.013	0.4	0.4	0.4	0.4	0.5	0.3	0.079	--	4.787	4.945	4.437
	Prod.	0.002	0.002	0.4	0.4	0.6	0.5	0.7	0.3	0.051	--	5.27	6.082	5.888
	Yield	154	154	1000	1000	1500	1250	1400	1000	646	--	1101	1230	1327
Purba Medinipur	Area	--	0.093	0.5	0.6	0.9	0.9	1.2	0.1	0.4	--	--	--	--
	Prod.	--	0.1	0.4	0.7	1.1	1	1.4	0.1	0.5	--	--	--	--
	Yield	--	1075	800	1167	1222	1111	1167	1000	1250	--	--	--	--

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Purulia	Area	--	--	0.029	--	0.045	0.045	0.045	0.1	0.5	--	0.042	0.053	0.044
	Prod.	--	--	0.014	--	0.033	0.033	0.033	0.086	0.7	--	0.04	0.044	0.041
	Yield	--	--	483	--	733	733	733	860	1400	--	952	830	932
South 24 Parganas	Area	0.8	1.7	3.2	3.8	7.2	9.1	10.7	7	1.2	--	4.787	4.945	4.437
	Prod.	1	2.2	1.2	5.2	8.8	12.1	12.8	7	1.8	--	5.27	6.082	5.888
	Yield	1250	1294	375	1368	1222	1330	1196	1000	1500	--	1101	1230	1327
Uttar Dinajpur	Area	--	--	0.2	0.031	0.031	0.031	0.031	0.021	--	--	0.018	0.026	0.009
	Prod.	--	--	0.07	0.023	0.023	0.023	0.023	0.023	--	--	0.02	0.03	0.009
	Yield	--	--	350	742	742	742	742	1095	--	--	1111	1154	1000
West Dinajpur	Area	0.013	0.013	0.4	--	--	--	--	--	0.2	--	--	--	--
	Prod.	0.002	0.002	0.4	--	--	--	--	--	0.2	--	--	--	--
	Yield	154	154	1000	--	--	--	--	--	1000	--	--	--	--

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI-<http://eands.dacnet.nic.in/>
Various State DES websites and State Department of Agriculture websites.

7. LINSEED

7.1 World Area, Production and Yield of Linseed

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1986	4869	2801	575
1987	4760	2851	599
1988	4534	2418	533
1989	4360	2271	521
1990	4445	2923	658
1991	4097	2691	657
1992	3468	2224	641
1993	3368	2189	650
1994	3361	2457	731
1995	3574	2524	706
1996	3209	2478	772
1997	3128	2277	728
1998	3285	2742	835
1999	3267	2695	825
2000	2629	2013	766
2001	2545	1875	737
2002	2435	1922	789
2003	2473	2087	844
2004	2317	1913	826
2005	2819	2757	978
2006	2777	2519	907
2007	2041	1665	816
2008	2095	1990	950
2009	2106	2184	1037
2010	2005	1830	913
2011	2072	2184	1054
2012	2572	2062	802
2013	2297	2299	1001
2014	2601	2565	986

Source: <http://faostat3.fao.org>

7.2 Area, Production and Yield of Linseed in Major Countries of the World

(Area in '000 ha; Production in '000 tonnes; Yield in kg/ha)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Afghanistan	Area	23.5	21.8	18.4	12.8	16.6	1.8	3.2	1.8	1.8	3.9	4	4	4
	Prod.	11.3	11.3	12	8.3	10	1.1	1.2	1.2	1.2	2.5	2.5	2.5	2.5
	Yield	481	518	652	648	602	611	600	406	667	667	641	625	625	625
Argentina	Area	28.1	19.5	13.8	28.8	37.2	46.7	28.4	9.5	17.4	16.6	14.6	17.9	14.7
	Prod.	22.3	15.5	11.3	29.3	36.1	53.8	34.1	9.6	19.5	21.4	17.1	20.4	17.3
	Yield	794	795	819	1017	970	1152	1201	1011	1121	1258	1171	1140	1177
Bangladesh	Area	4.5	4.5	4.5	4.5	4.8	13.6	14.1	8.8	11.2	10.3	9.7	9.3	10
	Prod.	3	3	2	3	3	8.5	8.2	7.8	7.1	6.7	6.3	6	7
	Yield	667	667	444	667	625	625	582	886	634	657	650	645	700
Belarus	Area	80	68	72	77.1	72.1	65.8	65.5	74.2	48.1	46.8	50	29	22.4
	Prod.	17	13.8	17.4	22.6	19.5	11.1	14.5	19.5	10	10.4	8.7	7	7.2
	Yield	213	203	242	293	271	169	221	263	208	222	244	241	321
Belgium	Area	17.7	16.3	20.2	20.5	19.3	16.2	14.3	12	11.2	14	10.6	7.9	10
	Prod.	11.9	14.1	13.5	12.3	10.3	10.6	10	8.8	7.4	8.6	8.1	7.4	7
	Yield	672	865	668	600	534	654	699	733	661	614	559	937	700
Brazil	Area	5	5	5.8	11.2	21.9	18.7	16.2	12.2	13	16.6	8.4	8.8	8.9
	Prod.	4	5	6.2	10.3	15.8	13.4	14.7	11.3	9.9	11	7.3	9.7	4.8
	Yield	800	1000	1069	920	722	717	907	926	762	976	869	1102	539
Canada	Area	661.7	633.4	728.4	518	732.6	785.2	524	625.2	623.3	273.2	384.4	422.1	620.8
	Prod.	715	679.4	754.4	516.9	990.6	988.8	633.5	861.1	930.1	423	368.3	730.7	872.5
	Yield	1081	1073	1036	998	1352	1259	1209	1377	1492	1197	1348	1731	1405
China	Area	402.2	453	449	500	490	485	339.9	337.8	336.9	324.4	317.9	312.9	310
	Prod.	252.6	409	450	460	475	480	268.3	349.7	318.1	352.8	390.5	398.8	350
	Yield	628	903	1002	920	969	990	789	1035	944	1088	1228	1275	1129

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Egypt	Area	16	8.9	13	17.1	15	16	16	8.4	5.4	3.3	4.3	1.4	2.9	
	Prod.	30	15.1	22.4	30.5	28	27	27	11.9	7.9	4.6	5.7	1.9	4.5	
	Yield	1875	1697	1723	1784	1867	1688	1688	1417	1463	1394	1324	1326	1357	1552
Ethiopia	Area	130.5	98.6	142.5	142.9	250.7	215.1	152.1	140.8	73.7	116.5	127.9	95.6	82.3	
	Prod.	64.1	51.1	77	77.4	151.9	125.9	169.9	150.6	65.4	112.8	122.1	87.9	83.1	
	Yield	491	518	540	542	606	585	622	1117	1070	968	955	920	1010	
France	Area	67.8	67.4	76.5	80.5	78.6	74.6	76.2	67.9	66.2	73.3	16.4	12.1	8.5	11
	Prod.	28.5	48.9	53.5	54.6	59.2	43.2	33.8	14.6	43.1	40.8	30.5	23.7	16.1	23.3
	Yield	420	726	699	678	753	579	444	215	651	557	1860	1959	1894	2118
Germany	Area	33	10.3	16.2	12.9	14	13.9	6.3	4.2	4.1	7.1	4.2	3.7	4.2	
	Prod.	47.8	17.1	28.8	23.2	25.4	22.4	6	4	4	7	6	6	6	
	Yield	1449	1660	1778	1798	1814	1612	952	952	976	986	1304	1429	1622	1429
India	Area	579.9	535.8	450.1	476.5	448.7	436.8	426	468	407.9	342	338.8	431	338	360
	Prod.	203.5	209.1	176.7	196.5	169.7	172.5	167.9	163	169.2	153.7	147	152	147	141
	Yield	351	390	393	412	378	395	394	348	415	449	434	353	435	392
Nepal	Area	12	12.7	16.5	13	13.1	13.5	13.2	13	13.1	14.3	2.3	14.3	15.6	
	Prod.	5.6	6	8	6.1	6.5	6.4	6.3	6.2	6.3	7	8.1	1.5	7.7	9.1
	Yield	467	472	485	469	496	474	477	477	481	490	519	652	539	583
Russian Federation	Area	108.3	75.5	62.8	74.5	61.4	84	74	57.4	80.7	126.7	558.3	438.3	441.5	
	Prod.	58	38	55.3	57.8	55.9	79	79.6	92.9	102.6	178.2	369	325.8	393	
	Yield	536	503	881	776	910	941	1076	1619	1271	1407	661	743	890	
Ukraine	Area	23	25	28	14	25	51.4	24.1	19.1	46.8	56.3	52.9	37.9	33.4	
	Prod.	6.4	7	10.9	16.2	28.2	61.5	11.4	20.8	37.3	46.8	41.4	25.4	40.8	
	Yield	278	280	389	1157	1128	1197	473	1089	797	831	783	670	1222	

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
United Kingdom	Area	31	13	34	31	48	36	12.5	16.1	28	44	36	28	34
	Prod.	39	18	59	52	89	49	23	29.3	54	72	71	42	62
	Yield	1258	1385	1735	1677	1854	1361	1840	1820	1929	1636	1972	1500	1824	2600
USA	Area	233.9	284.5	238	206.8	386.5	310.4	141.2	137.6	127.1	169.2	140	136	73.3
	Prod.	291	301.3	267.1	263.4	500.3	279.9	149.8	145.2	188.6	230	141.8	147.3	82.3
	Yield	1244	1059	1122	1274	1294	902	1061	1055	1484	1359	1013	1083	1123
Africa	Area	151.6	112.8	160.6	165.5	270.3	236.1	194.5	163.6	150.1	80	123.1	135.4	100.3
	Prod.	98.7	70.3	103.7	112.6	184.3	157.8	139.6	186.2	162.5	73.7	121.4	131.8	93.9
	Yield	651	623	646	680	682	668	718	1138	1083	921	986	973	936
Americas	Area	933.6	948	992.7	773.1	1185.1	1175.5	726.2	797.3	790.5	576.7	452	554.9	531.7
	Prod.	1037.4	1006.5	1045.2	826.9	1549.3	1348.4	846.3	1037.6	1156.2	711.9	552.5	670.9	851.9
	Yield	1111	1062	1053	1070	1307	1147	1165	1301	1463	1234	1222	1209	1602
Asia	Area	1032.4	1039.1	950.1	1019.3	985.1	966.6	809.8	852.8	839.1	926.8	1008.8	1142.4	1071
	Prod.	481.5	644.1	654.7	680.3	670.4	679	463.1	543.5	554.7	621	800.9	715.3	861.7
	Yield	466	620	689	667	681	703	572	637	661	670	794	626	805
Europe	Area	416.6	325.9	361.9	350.1	366.8	387.4	301.6	272.3	316.7	412	478.8	731.3	585.4
	Prod.	247.6	191.5	274.7	283.1	341.2	324	207	212.9	300.7	412.7	698.6	534.4	483.6
	Yield	594	588	759	809	930	836	686	782	950	1002	1459	731	826
Oceania	Area	10.7	9.5	8.2	9.2	11.5	11.3	9	9.2	9.3	9.3	8.3	8.3	7.4
	Prod.	10.1	10	8.8	9.8	12.3	9.9	8.7	9.9	10.3	10.4	10.3	9.4	8.4
	Yield	944	1053	1073	1065	1070	876	967	1076	1108	1118	1108	1133	1012
World	Area	2544.9	2435.3	2473.5	2317.2	2818.8	2776.9	2041.1	2095.2	2105.7	2004.8	2072	2572.3	2296.7
	Prod.	1875.3	1922.4	2087.1	1912.7	2757.5	2519.1	1664.7	1990.1	2184.4	1829.7	2183.7	2061.8	2299.5
	Yield	737	789	844	825	978	907	816	950	1037	913	1054	802	1001

Source: <http://faostat3.fao.org>

7.3 All India Area, Production and Yield of Linseed

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield	Year	Area	Production	Yield
1949-50	1521.0	418.0	275	1982-83	1404.0	375.4	267
1950-51	1403.0	361.0	257	1983-84	1487.3	444.3	299
1951-52	1380.0	333.0	241	1984-85	1395.2	389	279
1952-53	1362.0	372.0	273	1985-86	1423.7	376.2	264
1953-54	1387.0	385.0	278	1986-87	1155.3	316.6	274
1954-55	1361.0	390.0	287	1987-88	1150.7	393.3	342
1955-56	1528.0	415.0	272	1988-89	1198.9	361.4	301
1956-57	1682.0	390.0	232	1989-90	1124.4	325.6	290
1957-58	1282.0	259.0	202	1990-91	1099.1	332	302
1958-59	1595.0	452.0	283	1991-92	886.2	292	330
1959-60	1974.0	446.0	226	1992-93	895.4	278.4	311
1960-61	1789.0	398.0	222	1993-94	953.4	329.7	346
1961-62	1977.0	463.0	234	1994-95	947.8	322.6	340
1962-63	1904.0	430.0	226	1995-96	843.1	291.9	346
1963-64	1995.0	379.0	190	1996-97	827.4	310	375
1964-65	2042.0	494.0	242	1997-98	793.9	240	302
1965-66	1728.0	335.0	194	1998-99	749.4	270	360
1966-67	1495.4	259.9	174	1999-00	593.1	148	250
1967-68	1776.7	438	247	2000-01	579.9	149.4	258
1968-69	1696.9	329.2	194	2001-02	535.8	209.1	390
1969-70	1802.8	469.3	260	2002-03	450.1	176.7	393
1970-71	1896.8	473.8	250	2003-04	476.5	196.5	412
1971-72	2064.4	529.5	257	2004-05	448.7	169.7	378
1972-73	1725.6	428.1	248	2005-06	436.8	172.5	395
1973-74	2038.2	503.9	247	2006-07	436.5	167.9	385
1974-75	2070.7	563.8	272	2007-08	467.9	163.4	349
1975-76	2118.7	597.8	282	2008-09	407.9	169.2	415
1976-77	1888.4	418.8	222	2009-10	342.0	153.7	449
1977-78	2009.9	526.8	262	2010-11	359.2	146.5	408
1978-79	2091.5	535.1	256	2011-12	322.6	152.5	473
1979-80	1613.6	269.3	167	2012-13	296.3	148.6	502
1980-81	1673.3	423	253	2013-14	293.1	141.7	484
1981-82	1820.2	482.5	265	2014-15	283.5	152.7	539

Source: Various issues of Agricultural Statistics at Glance. Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

7.4 State-wise Area, Production and Yield of Linseed

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Andhra Pradesh	Area	6	4	5	4	3	1	1	1	1	--	--	1
	Prod.	1	1	1	1	1	--	--	--	--	--	--	0.5
	Yield	167	250	200	250	250	333	--	--	--	--	--	500
Assam	Area	10	10	10	9.3	8.2	8	7.4	7.7	7.1	7.2	6.7	6
	Prod.	5	5	5	4.8	4.1	4	3.8	4	3.7	3.7	3.8	3.9
	Yield	500	500	500	516	500	500	514	519	521	514	567	650
Bihar	Area	35.8	29.2	34.7	27.6	29.5	27.8	26	24.4	23.4	23.4	22	18.7
	Prod.	25.6	22.2	27.2	23.2	26.4	23.5	22	20.6	20.8	20.3	19.1	15.9
	Yield	715	760	784	841	895	845	846	844	889	868	868	850
Chhattisgarh	Area	82.3	67.6	75	74.6	72.2	59.3	48.9	40	38.4	39	31.2	26.2
	Prod.	22.2	19.7	23.1	16.5	17.9	18.2	13.3	12	10	14.5	8.9	11.1
	Yield	270	291	308	221	248	307	272	300	260	372	285	424
Himachal Pradesh	Area	2.3	1.6	2	3	1	1.6	0.7	1.6	1.1	1.1	1.1	1.1
	Prod.	0.7	0.4	1	2	0.1	0.4	0.1	0.4	0.3	0.3	0.4	0.3
	Yield	304	250	500	667	100	267	250	143	250	273	364	273
Jammu & Kashmir	Area	0.4	0.3	0.2	0.6	0.5	0.1	0.2	0.1	0.3	0.7	0.2	0.3
	Prod.	0.3	0.2	0.1	0.3	0.2	0.1	0.1	0.078	0.3	0.8	0.096	0.2
	Yield	750	667	500	500	400	426	1000	500	780	1143	480	667
Jharkhand	Area	7.2	8	18	16	14.4	31.1	31.6	19.8	15.9	24.2	25.7	25.5
	Prod.	4	4	5	4	4.8	12.1	12.3	8.5	8.2	12.9	16.6	14.5
	Yield	556	500	278	250	333	389	389	453	429	533	646	569
Karnataka	Area	19.6	17.4	12.9	14	13	12	14	12	11	9	7	6
	Prod.	6.6	6.1	1	3	4	4	5	4	4	2	2.3	2
	Yield	337	351	78	214	308	333	357	333	364	222	329	333

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Madhya Pradesh	Area	163.9	142.5	143.5	133.2	135.8	104.4	125.5	117.9	124.7	120.3	109.7	110.4
	Prod.	62.7	50.3	61.7	52.4	55.9	32.8	47.9	51.4	42.2	57	57.4	55
	Yield	383	353	430	393	412	411	314	382	436	338	474	523	498
Maharashtra	Area	69	54	63	50	65	68	38	36	39	31	27	31
	Prod.	21	12	15	11	18	16	19	8	10	8	8	8
	Yield	304	222	238	220	277	235	279	211	250	258	296	258
Meghalaya	Area	--	--	--	--	--	--	0.09	0.077	0.1	0.08	0.075	0.09
	Prod.	--	--	--	--	--	--	0.043	0.036	0.039	0.04	0.03	0.05
	Yield	--	--	--	--	--	--	478	468	390	500	400	556
Nagaland	Area	8	8	6.7	7.3	8	10.2	5.7	12.8	5.7	5.7	5.7	5.8
	Prod.	5	9	5	5.6	4.8	6.8	4.4	8.8	4.6	4.6	4.6	4.6
	Yield	625	1125	746	767	600	648	772	688	807	807	807	793
Odisha	Area	23.1	16.5	18.2	22.4	23.1	24.9	27.2	26.4	20.7	24.6	24.5	22.9
	Prod.	8.5	5.4	7.2	8.5	9.7	10.5	11.9	11.2	11.9	11.6	11.8	11
	Yield	368	327	396	379	420	422	438	441	451	459	482	480
Punjab	Area	0.3	0.2	0.3	0.3	0.2	0.2	0.1	0.1	--	--	--	--
	Prod.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	--	--	--	--
	Yield	1000	1000	667	667	500	500	1000	1000	500	--	--	--
Rajasthan	Area	3.9	0.9	2.3	3	1.8	1.2	0.7	2.5	3.3	1.7	1.2	2.1
	Prod.	3.1	0.6	2.3	2.3	1.5	1	0.6	3.6	6.5	2.1	1.3	2.9
	Yield	795	667	1000	767	833	833	857	1440	1970	1235	1083	1381
Uttar Pradesh	Area	92.7	81	78.7	78.4	53.4	108	78.3	34	65	31	30	26
	Prod.	38.4	36.9	39.8	32.9	22.1	19.2	27.1	15	29.4	14	13	10
	Yield	414	456	506	420	414	373	251	441	452	452	433	385

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Uttarakhand	Area	--	--	--	--	--	--	--	--	--	--	0.5	--
	Prod.	--	--	--	--	--	--	--	--	--	--	0.2	--
	Yield	--	--	--	--	--	--	--	--	--	--	400	--
West Bengal	Area	11.3	8.9	6	5	6.7	5.9	4.6	4.7	4.1	4.1	3.8	10
	Prod.	4.7	3.7	1.9	2	1.9	1.6	1.1	1.4	1.4	1.5	1.3	2
	Yield	416	416	317	400	284	271	239	298	341	366	342	200
Total	Area	535.8	450.1	476.5	448.7	436.8	467.9	408	342	359.2	293.1	322.6	296.3
Prod.	209.1	176.7	169.7	172.5	167.9	163.4	169.2	153.7	146.5	142	152.5	148.5	
Yield	390	393	378	395	385	349	415	449	408	473	501	484	

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

Note: Years in which data is not available are excluded

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Medak	Area	1	0.8	0.6	0.7	0.6	--	0.4	0.6	0.5	0.4	--	--
	Prod.	0.1	0.2	0.098	0.1	0.3	--	0.1	0.084	0.1	0.082	--	--
	Yield	100	250	163	143	429	333	250	140	200	205	--	--
Nizamabad	Area	0.074	0.035	--	--	--	--	--	--	--	--	--	--
	Prod.	0.018	0.011	--	--	--	--	--	--	--	--	--	--
	Yield	243	314	--	--	--	--	--	--	--	--	--	--
Ranga Reddy	Area	0.1	0.3	0.053	0.094	0.045	--	0.021	0.003	0.002	--	--	--
	Prod.	0.032	0.089	0.014	0.01	0.017	0.012	0.008	--	--	--	--	--
	Yield	320	297	264	106	378	267	381	--	--	--	--	--

Assam

District		200102	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Baksa	Area	--	--	--	--	0.7	0.8	0.7	0.5	0.7	0.7
	Prod.	--	--	--	--	0.4	0.4	0.4	0.3	0.4	0.4
	Yield	--	--	--	--	571	500	571	600	571	571
Barpeta	Area	2.6	2.7	2.8	2.8	2	2	2	1.9	1.9	1.9
	Prod.	1.4	1.5	1.6	1.5	1.1	1.1	1.1	1.1	1.1	1
	Yield	539	556	571	536	550	550	550	579	579	526
Bongaigaon	Area	0.6	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.3
	Prod.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1
	Yield	500	600	500	600	500	500	500	500	500	333
Cachar	Area	0.038	0.039	0.04	0.043	0.044	0.046	0.03	0.03	0.031	0.025
	Prod.	0.016	0.017	0.017	0.02	0.02	0.02	0.013	0.014	0.014	0.011
	Yield	421	436	425	465	455	435	433	467	452	440
Chirang	Area	--	--	--	--	0.2	0.2	0.2	0.2	0.3	0.2
	Prod.	--	--	--	--	0.1	0.1	0.1	0.1	0.1	0.1
	Yield	--	--	--	--	500	500	500	500	333	500
Darrang	Area	0.9	0.8	0.7	0.8	0.3	0.3	0.3	0.5	0.5	0.5
	Prod.	0.4	0.4	0.3	0.4	0.1	0.2	0.2	0.3	0.3	0.3
	Yield	444	500	429	500	333	667	667	600	600	600
Dhemaji	Area	0.04	0.02	0.022	0.02	0.025	0.02	0.02	0.01	0.01	0.036
	Prod.	0.021	0.01	0.011	0.01	0.012	0.01	0.01	0.004	0.005	0.018
	Yield	525	500	500	500	480	500	500	400	500	500

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Dhubri	Area	0.9	1	0.9	0.9	0.7	0.6	0.4	0.4	0.5	0.3
	Prod.	0.5	0.5	0.5	0.5	0.4	0.4	0.2	0.2	0.3	0.2
	Yield	556	500	556	556	571	667	500	500	600	667
Dibrugarh	Area	0.002	0.002	0.002	0.001	0.008	0.004	0.004	0.004	0.006	0.008
	Prod.	0.001	0.001	0.001	0.001	0.003	0.002	0.002	0.001	0.002	0.003
	Yield	500	500	500	1000	375	500	500	250	333	375
Dima Hasao	Area	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004
	Prod.	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.002
	Yield	500	500	500	500	500	500	500	333	500	500
Goalpara	Area	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Yield	500	500	500	500	667	500	500	500	500	500
Golaghat	Area	0.012	0.012	0.011	0.009	0.008	0.007	0.007	0.01	--	--
	Prod.	0.007	0.007	0.006	0.005	0.004	0.004	0.004	0.005	--	--
	Yield	583	583	546	556	500	571	571	500	--	--
Hailakandi	Area	0.01	0.01	0.005	0.005	0.005	0.01	0.01	0.015	0.012	0.015
	Prod.	0.005	0.005	0.002	0.002	0.002	0.005	0.005	0.008	0.006	0.008
	Yield	500	500	400	400	400	500	500	533	500	533
Jorhat	Area	--	--	--	--	--	--	--	--	0.003	0.001
	Prod.	--	--	--	--	--	--	--	--	0.002	0.001
	Yield	--	--	--	--	--	--	--	--	667	1000

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Kamrup	Area	0.7	0.5	0.5	0.4	0.4	0.2	0.3	0.3	0.2	0.2
	Prod.	0.3	0.2	0.2	0.2	0.2	0.074	0.1	0.1	0.088	0.082
	Yield	429	400	400	500	500	370	333	333	440	410
Kamrup Metropolitan	Area	--	--	--	--	0.035	0.02	0.04	0.052	0.053	0.05
	Prod.	--	--	--	--	0.018	0.01	0.02	0.028	0.027	0.026
	Yield	--	--	--	--	514	500	500	539	509	520
Karbi Anglong	Area	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.062
	Prod.	0.044	0.043	0.054	0.052	0.053	0.048	0.048	0.049	0.048	0.026
	Yield	440	430	540	520	530	480	480	490	480	419
Karimganj	Area	0.029	0.028	0.03	0.03	0.026	0.03	0.032	0.021	0.021	0.023
	Prod.	0.012	0.011	0.012	0.012	0.011	0.012	0.013	0.009	0.009	0.01
	Yield	414	393	400	400	423	400	406	429	429	435
Kokrajhar	Area	0.4	0.4	0.5	0.4	0.6	0.6	0.5	0.4	0.4	0.5
	Prod.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3
	Yield	500	500	400	500	500	500	400	500	500	600
Lakhimpur	Area	0.022	0.021	0.019	0.019	0.019	0.024	0.01	0.015	0.012	0.02
	Prod.	0.007	0.007	0.006	0.007	0.007	0.009	0.004	0.005	0.004	0.007
	Yield	318	333	316	368	368	375	400	333	333	350
Morigaon	Area	0.2	0.2	0.2	0.2	0.5	0.6	0.6	0.6	0.4	0.4
	Prod.	0.094	0.094	0.096	0.094	0.3	0.3	0.3	0.3	0.2	0.2
	Yield	470	470	480	470	600	500	500	500	500	500

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Nagaon	Area	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.6
	Prod.	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3
	Yield	429	400	400	400	400	400	400	333	500
Nalbari	Area	1.9	1.8	1.8	0.3	0.3	0.3	0.2	0.2	0.3
	Prod.	1.1	1	1	0.2	0.2	0.2	0.1	0.1	0.2
	Yield	579	556	556	667	667	667	500	500	667
Sivasagar	Area	0.002	0.002	0.003	0.001	--	0.001	--	--	--
	Prod.	0.002	0.002	0.001	0.001	--	0.001	--	--	--
	Yield	1000	1000	333	1000	--	1000	--	--	--
Sonitpur	Area	0.6	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.3
	Prod.	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3
	Yield	333	400	333	500	667	333	333	333	1000
Tinsukia	Area	--	0.002	0.001	0.001	0.002	--	--	--	--
	Prod.	--	0.001	0.001	0.001	0.001	--	--	--	--
	Yield	--	500	1000	1000	500	--	--	--	--
Udalguri	Area	--	--	--	0.6	0.7	0.4	0.6	0.2	0.3
	Prod.	--	--	--	0.2	0.3	0.2	0.3	0.099	0.1
	Yield	--	--	--	333	429	500	500	495	333

Bihar

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Araria	Area	1.6	1.6	1.7	1.6	1.4	1.6	2	2	1.782	1.977
	Prod.	0.9	1.2	1.3	1.2	1.2	1.4	1.7	1.7	1.508	1.617
	Yield	563	750	765	750	857	875	850	850	846	818
Arwal	Area	--	--	0.1	0.2	0.3	--	0.1	0.2	0.125	0.17
	Prod.	--	--	0.1	0.1	0.2	--	0.1	0.1	0.106	0.139
	Yield	--	--	1000	500	667	--	1000	500	848	818
Aurangabad	Area	7	4.2	8.3	5.4	4.3	5.3	5.6	4.9	5.519	4
	Prod.	4.9	3.2	6.5	4.6	3.7	4.5	4.6	4.1	4.669	3.272
	Yield	700	762	783	852	861	849	821	837	846	818
Banka	Area	1.2	0.8	1	0.8	0.9	0.9	0.8	0.9	0.388	0.297
	Prod.	0.8	0.6	0.8	0.7	0.7	0.8	0.7	0.7	0.328	0.243
	Yield	667	750	800	875	778	889	875	778	845	818
Begusarai	Area	0.004	--	0.009	0.009	0.014	0.01	--	--	0.01	0.001
	Prod.	0.003	--	0.007	0.008	0.011	0.008	--	--	0.008	0.001
	Yield	750	--	778	889	786	800	--	--	800	0
Bhabha	Area	2.9	2.6	2.6	1.2	2.3	2.2	2.3	2	1.356	1.342
	Prod.	2.4	2.2	2.1	1.1	1.9	1.9	2	1.7	1.157	1.098
	Yield	828	846	808	917	826	864	870	850	853	818
Bhagalpur	Area	1.1	1	1	0.7	0.7	0.8	0.7	0.7	0.641	0.865
	Prod.	0.8	0.8	0.8	0.6	0.6	0.7	0.6	0.6	0.542	0.708
	Yield	727	800	800	857	857	875	857	857	846	818
Bhojpur	Area	0.6	0.6	0.7	0.5	0.7	0.6	0.3	0.5	0.266	0.266
	Prod.	0.5	0.5	0.5	0.4	0.6	0.5	0.3	0.4	0.227	0.218
	Yield	833	833	714	800	857	833	1000	800	853	820

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Buxar	Area	1.1	0.8	0.7	0.6	0.8	1.1	1	0.772	0.597
	Prod.	0.9	0.6	0.6	0.6	0.8	1	0.8	0.659	0.488
	Yield	818	750	857	1000	889	875	909	800	854	817
Darbhanga	Area	1.5	0.7	0.4	0.2	0.2	0.1	0.046	0.094	0.013
	Prod.	0.9	0.4	0.3	0.2	0.2	0.1	0.098	0.08	0.011
	Yield	600	571	750	1000	1000	1000	980	851	846
East Champaran	Area	1.6	--	0.6	1	1	0.8	1	0.996	0.334
	Prod.	1.1	--	0.5	0.8	0.8	0.7	0.8	0.837	0.273
	Yield	688	--	833	800	800	875	800	840	817
Gaya	Area	3	3	2	2	1.7	1.9	2	1.866	1.621
	Prod.	2.2	2.3	1.6	1.7	1.5	1.6	1.7	1.579	1.326
	Yield	733	767	800	850	882	842	842	850	846
Gopalganj	Area	0.029	0.066	0.053	0.04	0.2	0.043	0.029	0.046	0.015
	Prod.	0.029	0.049	0.042	0.034	0.2	0.037	0.024	0.039	0.041
	Yield	1000	742	793	850	1000	861	828	848	837
Jamui	Area	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.154	0.09
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.126	0.074
	Yield	667	667	667	667	1000	1000	500	1000	818
Jehanabad	Area	0.5	0.3	0.3	0.2	0.2	0.3	0.06	0.101	0.102
	Prod.	0.3	0.2	0.2	0.2	0.2	0.2	0.05	0.088	0.083
	Yield	600	667	667	1000	1000	667	833	880	842
Kathar	Area	0.4	0.3	0.4	0.7	0.7	0.4	0.5	0.491	0.41
	Prod.	0.2	0.2	0.3	0.5	0.6	0.4	0.4	0.415	0.335
	Yield	500	667	750	714	857	1000	800	845	817

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
Khagaria	Area	0.079	0.071	0.073	0.074	0.086	0.031	0.029	0.029	0.029	
	Prod.	0.056	0.054	0.054	0.062	0.071	0.025	0.024	0.024	0.024	
	Yield	709	761	740	838	826	807	828	815	828	828
Kishanganj	Area	1.9	1.6	1.5	1.5	2.4	1.8	2.7	2.7	2.422	2.181
	Prod.	1.1	1.2	1.2	1.1	2.1	1.5	2	2.3	2.049	1.784
	Yield	579	750	800	733	875	833	741	852	846	818
Lakhisarai	Area	0.038	0.2	0.1	0.043	0.037	0.076	0.025	0.024	0.022	0.024
	Prod.	0.027	0.1	0.1	0.036	0.03	0.062	0.021	0.02	0.018	0.02
	Yield	711	500	1000	837	811	816	840	833	818	833
Madhepura	Area	1.2	0.6	0.8	0.5	0.5	0.6	0.6	0.2	0.468	0.194
	Prod.	0.9	0.4	0.6	0.4	0.5	0.5	0.5	0.2	0.396	0.159
	Yield	750	667	750	800	1000	833	833	1000	846	820
Madhubani	Area	0.9	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.527	0.41
	Prod.	0.6	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.446	0.335
	Yield	667	667	800	833	800	833	800	800	846	817
Munger	Area	0.064	0.093	0.07	0.1	0.1	0.2	0.3	0.4	0.346	0.146
	Prod.	0.045	0.071	0.052	0.1	0.1	0.2	0.2	0.3	0.12	0.119
	Yield	703	763	743	1000	1000	1000	667	750	822	815
Muzaffarpur	Area	0.2	0.4	0.5	0.1	0.075	0.067	0.3	0.3	--	0.186
	Prod.	0.1	0.3	0.4	0.1	0.064	0.057	0.2	0.2	--	0.152
	Yield	500	750	800	1000	853	851	667	667	--	817
Nalanda	Area	0.2	0.2	0.2	0.2	0.094	0.2	0.024	0.07	0.049	--
	Prod.	0.2	0.2	0.2	0.2	0.08	0.1	0.02	0.06	0.042	--
	Yield	1000	1000	1000	1000	851	500	833	857	857	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
Nawada	Area	1.3	1.2	1.1	0.6	0.6	0.7	0.6	0.592	0.603	
	Prod.	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.501	0.493	
	Yield	692	750	818	833	833	875	714	833	845	818
Patna	Area	1.4	0.4	0.6	0.5	0.3	0.5	0.1	0.3	0.249	1.873
	Prod.	1.1	0.2	0.3	0.4	0.2	0.4	0.1	0.3	0.212	1.532
	Yield	786	500	500	800	667	800	1000	1000	854	818
Purnia	Area	1.1	1	1.1	1.1	0.9	1	0.6	0.7	0.576	0.594
	Prod.	0.3	0.8	0.8	0.8	0.8	0.9	0.4	0.6	0.487	0.486
	Yield	273	800	727	727	889	900	667	857	845	818
Rohtas	Area	2.8	1.3	2.7	1.9	1.3	2	1.3	1.2	1.223	1.492
	Prod.	2.3	1.1	2.3	1.9	1.1	1.7	1.1	1	1.043	1.22
	Yield	821	846	852	1000	846	850	846	833	853	818
Saharsa	Area	0.7	0.8	0.9	0.7	0.9	0.8	0.6	0.3	0.629	0.207
	Prod.	0.5	0.6	0.7	0.6	0.8	0.7	0.5	0.3	0.532	0.169
	Yield	714	750	778	857	889	875	833	1000	846	816
Samastipur	Area	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.038	0.064
	Prod.	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.032	0.052
	Yield	500	667	667	667	667	667	667	1000	842	813
Saran	Area	0.08	0.081	0.1	0.027	0.034	0.058	0.056	0.055	0.007	0.003
	Prod.	0.079	0.06	0.089	0.023	0.029	0.049	0.046	0.047	0.006	0.002
	Yield	988	741	890	852	853	845	821	855	857	667
Sheikhpura	Area	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.292	0.661
	Prod.	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.239	0.541
	Yield	667	750	667	1000	667	667	1000	1000	818	818

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Sheohar	Area	0.4	0.4	0.6	0.5	0.2	0.2	0.2	0.199	0.108
	Prod.	0.3	0.3	0.5	0.4	0.2	0.2	0.2	0.167	0.088
	Yield	750	750	833	800	1000	1000	1000	839	815
Sitamarhi	Area	0.5	0.5	0.5	0.6	0.4	0.4	0.4	0.307	0.425
	Prod.	0.3	0.4	0.4	0.5	0.3	0.3	0.4	0.258	0.348
	Yield	600	800	800	833	750	800	750	840	819
Siwan	Area	0.3	0.2	0.2	0.1	0.1	0.044	0.035	0.027	0.028
	Prod.	0.3	0.1	0.1	0.094	0.092	0.037	0.029	0.023	0.023
	Yield	1000	500	500	940	920	841	829	852	821
Supaul	Area	2	1.8	1.8	1.6	1.8	1.2	1	1.282	1.008
	Prod.	1.5	1.3	1.4	1.4	1.6	1	0.8	1.085	0.825
	Yield	750	722	778	875	889	833	833	800	846
Vaishali	Area	0.1	0.086	0.1	0.099	0.05	0.055	0.054	0.042	0.026
	Prod.	0.085	0.065	0.084	0.083	0.043	0.047	0.045	0.035	0.021
	Yield	850	756	840	838	860	855	833	833	808
West Champaran	Area	2.3	0.7	0.6	0.6	0.6	0.6	0.7	0.644	0.65
	Prod.	1.6	0.5	0.5	0.5	0.5	0.5	0.5	0.541	0.532
	Yield	696	714	833	833	833	833	714	840	818

Chhattisgarh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2010-11	2011-12	2012-13	2013-14
Bastar	Area	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.5	0.05	--	--
	Prod.	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.1	0.021	--	--
	Yield	333	250	400	333	333	375	333	200	420	420	--
Bilaspur	Area	4.6	3.4	4.3	4.1	4	3.7	3.6	2.5	2.1	2.14	1.71
	Prod.	1.2	1	1.3	0.9	1	1.1	1	0.6	0.7	0.75	0.69
	Yield	261	294	302	220	250	297	278	240	333	350	404
Dhamtari	Area	5.3	3.8	7.8	7.4	6.6	3.1	5.4	2.5	2.6	2.56	0.81
	Prod.	1.5	1.2	2.5	1.7	1.7	1	1.6	0.7	1	0.6	0.34
	Yield	283	316	321	230	258	323	296	280	385	234	420
Durg	Area	21.3	15.8	18.7	18.4	15.1	12.4	7	6.6	0.8	0.77	0.49
	Prod.	5.7	4.2	5.5	3.1	3.5	3.5	1.6	1.5	0.3	0.24	0.19
	Yield	268	266	294	169	232	282	229	227	375	312	388
Janjgir-Champa	Area	2.6	2.1	2.8	2.5	2.7	3.1	2.7	2.5	1.6	1.64	2.09
	Prod.	0.7	0.6	0.9	0.6	0.7	1	0.8	0.7	0.6	0.95	0.95
	Yield	269	286	321	240	269	323	296	280	375	579	455
Jashpur	Area	1.2	1.2	1.2	1.1	1.1	1.2	1.3	1.1	1	1.02	0.98
	Prod.	0.3	0.4	0.4	0.3	0.2	0.4	0.4	0.3	0.4	0.42	0.41
	Yield	250	333	333	273	182	333	308	273	400	412	0.41
Kabirdham (formerly Kawardha)	Area	4.6	5.3	3.6	2.6	2	1.7	1	0.8	0.6	0.65	0.42
	Prod.	1.1	2.2	1	0.6	0.4	0.4	0.3	0.2	0.3	0.22	0.14
	Yield	239	415	278	231	200	333	300	250	500	338	333
Kanker	Area	1.8	0.9	1.4	1.5	1.5	1.4	1.4	0.9	0.8	0.83	0.82
	Prod.	0.7	0.2	0.7	0.6	0.5	0.6	0.4	0.3	0.4	0.42	0.43
	Yield	389	222	500	400	357	333	429	286	333	506	524

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2010-11	2011-12	2012-13	2013-14
Korba	Area	1.3	1	1.2	1.1	1.6	1.6	1.6	1.6	1.4	1.5	1.49	1.42
	Prod.	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.5	0.4	0.5	0.32	1.42
	Yield	231	300	250	182	188	188	250	313	286	333	215	296
Koriya	Area	1.7	1.1	1.5	1.6	1.5	1.6	1.4	1.4	1.3	1.2	1.22	1.38
	Prod.	0.5	0.2	0.5	0.3	0.3	0.4	0.4	0.5	0.3	0.4	0.48	0.47
	Yield	294	182	333	188	200	250	286	357	231	333	393	341
Mahasamund	Area	0.6	0.5	0.5	0.6	0.5	0.4	0.3	0.3	0.2	0.2	0.17	0.06
	Prod.	0.1	0.2	0.1	0.1	0.099	0.1	0.095	0.066	0.041	0.067	0.04	0.02
	Yield	167	400	200	167	198	250	317	220	205	335	235	333
Raigath	Area	0.2	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.34	0.34
	Prod.	0.059	0.1	0.2	0.097	0.1	0.1	0.1	0.1	0.089	0.1	0.17	0.15
	Yield	295	250	400	243	200	250	250	250	297	333	500	441
Raipur	Area	2.3	2.2	2.4	2.2	2	1.7	1.6	1.2	0.9	0.3	0.25	0.15
	Prod.	0.6	0.7	0.7	0.5	0.5	0.4	0.4	0.3	0.2	0.094	0.14	0.06
	Yield	261	318	292	227	250	235	250	250	222	313	560	400
Rajnandgaon	Area	23.9	20	18.5	17.2	17.5	15.7	13.9	10	6.7	6.1	6.15	4.38
	Prod.	6.5	5.3	6	4.7	4.9	4.1	4.5	2.6	1.8	2.6	2.38	1.71
	Yield	272	265	324	273	280	261	324	260	269	426	387	390
Surguja	Area	10.3	9.7	10.1	10	9.7	9.6	9.9	9.6	9.3	3.1	3.06	3.08
	Prod.	2.8	3.2	3	2.3	2.2	2.4	2.9	2.7	2.6	1.2	1.21	1.09
	Yield	272	330	297	230	227	250	293	281	280	387	395	354

Karnataka

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bagalkot	Area	6.3	5	3.5	3.3	3.7	3.5	3.7	2.9	2.4	1.758	2.393	1.487
	Prod.	2.6	2.2	0.3	0.7	0.8	0.6	1.8	1.2	0.6	0.635	0.334	0.225
	Yield	413	440	86	212	216	171	487	414	250	380	147	159
Belgaum	Area	2.5	2.3	1.9	1.8	1.1	1.5	1.2	2	2.145	0.718	0.915	0.61
	Prod.	0.6	0.4	0.4	0.3	0.4	0.6	0.5	0.5	0.5	0.799	0.374	0.34
	Yield	240	174	211	167	364	400	333	417	250	549	196	586
Bellary	Area	0.019	0.011	0.006	0.01	0.028	0.1	0.035	0.015	0.013	--	--	--
	Prod.	0.006	0.004	--	0.002	0.009	0.041	0.014	0.006	0.004	--	--	--
	Yield	316	364	--	200	321	410	400	400	308	360	--	--
Bidar	Area	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.16	0.525	0.439
	Prod.	0.2	0.2	0.046	0.1	0.2	0.1	0.1	0.099	0.094	0.039	0.092	0.131
	Yield	333	333	77	200	400	250	333	330	313	258	184	313
Davanagere	Area	0.003	0.003	0.002	--	0.009	--	--	--	--	--	--	--
	Prod.	0.001	0.001	--	--	0.003	--	--	--	--	--	--	--
	Yield	333	333	--	--	333	--	--	--	--	--	--	--
Dharwad	Area	0.2	0.2	0.068	0.2	0.1	0.07	0.092	0.1	0.082	0.045	0.017	0.081
	Prod.	0.078	0.082	0.005	0.042	0.043	0.021	0.036	0.045	0.03	0.011	0.003	0.024
	Yield	390	410	74	210	430	300	391	450	300	258	184	313
Gadag	Area	1	1.1	1	1.3	1	0.8	0.8	0.8	0.5	0.44	0.392	0.252
	Prod.	0.2	0.3	0.078	0.3	0.4	0.2	0.4	0.5	0.3	0.207	0.143	0.107
	Yield	200	273	78	231	400	250	500	625	600	342	214	446
Gulbarga	Area	1.1	0.8	0.5	0.6	0.6	0.7	0.4	0.6	0.8	0.395	0.261	0.209
	Prod.	0.4	0.3	0.037	0.1	0.2	0.2	0.2	0.2	0.2	0.188	0.097	0.062
	Yield	364	375	74	167	333	286	500	333	250	258	184	313

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Haveri district	Area	0.074	0.045	0.033	0.04	0.1	0.1	0.1	0.1	0.1	0.131	0.116	0.038	0.046
	Prod.	0.025	0.016	0.003	0.008	0.037	0.036	0.051	0.038	0.035	0.045	0.028	0.007	0.014
	Yield	338	356	91	200	370	360	510	380	350	360	258	184	313
Koppal	Area	1.4	2	1.8	2.1	1.7	1.4	1.5	1.5	2	1.66	0.58	0.777	1.018
	Prod.	0.6	0.6	0.1	0.4	0.6	0.2	0.5	0.5	0.6	0.588	0.074	0.215	0.358
	Yield	429	300	56	191	353	143	333	333	300	373	135	291	370
Raichur	Area	0.2	0.3	0.2	0.2	0.1	0.085	0.2	0.052	0.1	0.159	0.299	0.038	0.048
	Prod.	0.052	0.1	0.012	0.034	0.037	0.026	0.094	0.017	0.061	0.068	0.164	0.015	0.021
	Yield	260	333	60	170	370	306	470	327	610	453	578	410	453
Shimoga	Area	0.005	0.005	0.005	0.029	0.018	0.005	0.011	0.004	0.019	0.012	0.03	0.003	0.002
	Prod.	0.002	0.002	--	0.006	0.006	0.002	0.004	0.002	0.006	0.004	0.007	0.001	0.001
	Yield	400	400	--	207	333	400	364	500	316	360	258	184	313
Tumkur	Area	--	--	--	0.026	0.033	--	--	--	--	--	--	0.037	0.001
	Prod.	--	--	--	0.005	0.011	--	--	--	--	--	--	0.006	0
	Yield	--	--	--	192	333	--	--	--	--	--	--	184	313
Uttara Kannada	Area	0.007	0.015	0.01	0.014	0.001	0.002	0.002	0.008	--	--	--	--	--
	Prod.	0.002	0.005	0.001	0.003	--	0.001	0.001	0.003	--	--	--	--	--
	Yield	286	333	100	214	--	500	500	375	--	--	--	--	--
Vijayapura	Area	6.3	5	3.3	4.3	4.1	3.6	5.1	5.9	4.2	--	--	--	--
	Prod.	1.8	1.8	0.038	1	1.6	1.7	1.7	2	1.2	--	--	--	--
	Yield	286	360	12	233	390	472	333	339	286	--	--	--	--

Madhya Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Anuppur	Area	--	3.9	3.9	4.1	4.2	3.8	4.1	4.1	3.7	3.6	3.9	4.4
	Prod.	--	--	1.1	1.1	1.1	0.9	1	1.1	0.7	1.1	1.8	1.7
	Yield	--	--	282	282	268	237	244	268	189	306	462	386
Ashok Nagar	Area	--	--	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.009	0.002	0.003
	Prod.	--	--	0.5	0.4	0.3	0.3	0.3	0.2	0.1	0.016	0.002	0.003
	Yield	--	--	1000	1000	1000	1000	1500	2000	1000	1778	1000	1000
Balaghat	Area	17	19.7	20.6	13.2	17.9	17.1	16.8	15.7	15.5	14.9	14.5	14.2
	Prod.	5.3	9.1	9.9	4.7	7.3	7.5	7	8.1	7.3	9.7	6.9	5.5
	Yield	312	462	481	356	403	439	417	516	471	651	476	387
Banwani	Area	0.001	0.001	0.004	0.001	--	0.001	--	0.001	0.001	0.012	--	--
	Prod.	--	--	0.002	--	--	--	--	--	--	0.007	--	--
	Yield	--	--	500	--	--	--	--	--	--	583	--	--
Betul	Area	2.1	1.1	1.7	0.8	1.9	1.1	1.2	1.1	1.4	1	0.5	0.6
	Prod.	0.9	0.5	1	0.5	1.1	0.6	0.8	0.8	0.8	1	0.4	0.5
	Yield	429	455	588	625	579	633	546	667	727	1000	800	833
Bhind	Area	0.057	0.2	0.5	0.086	0.032	0.1	0.039	0.058	0.026	0.017	--	--
	Prod.	0.033	0.069	0.3	0.051	0.018	0.047	0.022	0.036	0.011	0.011	--	--
	Yield	579	345	600	593	563	470	564	621	423	647	--	--
Bhopal	Area	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.052	0.038	0.016
	Prod.	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.075	0.093	0.05	0.011
	Yield	800	600	750	750	1000	667	1000	1000	750	1789	1316	688
Burhanpur	Area	--	--	--	--	0.003	0.002	0.007	--	--	--	--	--
	Prod.	--	--	--	--	0.002	--	0.004	--	--	--	--	--
	Yield	--	--	--	--	667	--	571	--	--	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Chhatarpur	Area	11.8	11.4	10.7	11.3	10.7	10.6	8.8	9.9	10.3	10	8.5	8.3	6.9
	Prod.	4.9	4.6	4.7	5	4.6	3.4	2.6	4.2	4.8	2.8	3.7	3.5	2.7
	Yield	415	404	439	443	430	321	296	424	466	280	435	422	391
Chhindwara	Area	0.7	0.9	0.9	0.8	0.9	0.9	0.6	0.5	0.8	0.6	0.4	0.5	0.4
	Prod.	0.3	0.3	0.5	0.4	0.4	0.5	0.3	0.3	0.6	0.3	0.6	0.4	0.3
	Yield	429	333	556	500	444	556	500	600	750	500	1500	800	750
Damoh	Area	9	5.1	4.6	5.2	5.1	4.4	2.9	2.8	2.3	1	0.9	0.4	0.2
	Prod.	3.6	1.4	2.2	2.6	2.6	2	1.3	1.9	1.6	0.6	0.9	0.2	0.065
	Yield	400	275	478	500	510	455	448	679	696	600	1000	500	325
Datia	Area	0.7	0.5	0.5	0.4	0.3	0.1	0.06	0.3	0.038	0.057	0.019	0.046	--
	Prod.	0.5	0.3	0.4	0.2	0.2	0.081	0.029	0.2	0.028	0.027	0.018	0.031	--
	Yield	714	600	800	500	667	810	483	667	737	474	947	674	--
Dewas	Area	0.4	0.2	0.2	0.2	0.1	0.1	0.05	0.1	0.2	0.037	0.042	0.037	0.03
	Prod.	0.3	0.1	0.1	0.2	0.092	0.098	0.045	0.1	0.2	0.038	0.063	0.052	0.029
	Yield	750	500	500	1000	920	980	900	1000	1000	1027	1500	1405	967
Dhar	Area	1.1	0.2	0.3	0.2	0.061	0.039	0.018	0.018	0.017	0.051	0.007	0.006	0.003
	Prod.	0.3	0.06	0.1	0.068	0.022	0.017	0.007	0.007	0.008	0.019	0.004	0.002	0.003
	Yield	273	300	333	340	361	436	389	389	471	373	571	333	1000
Dindori	Area	6.3	4.9	5.7	5.9	6.2	6.3	5.2	6	4.9	5	5	5.2	5
	Prod.	1.8	0.9	1.8	2.1	1.7	1.9	1.4	1.9	1.6	1.1	1.7	1.9	1.5
	Yield	286	184	316	356	274	302	269	317	327	220	340	365	300
Guna	Area	2.5	1.3	0.4	0.2	0.2	0.2	0.097	0.014	0.023	0.012	--	0.031	--
	Prod.	2.2	0.6	0.4	0.2	0.2	0.2	0.1	0.015	0.028	0.012	--	0.037	--
	Yield	880	462	1000	1000	1000	1000	1031	1071	1217	1000	--	1194	--
Gwalior	Area	0.2	1.7	0.2	0.4	0.2	0.2	0.1	0.1	0.1	0.083	0.065	0.072	0.042
	Prod.	0.3	1.1	0.2	0.6	0.2	0.2	0.082	0.1	0.2	0.082	0.1	0.074	0.028
	Yield	1500	647	1000	1500	1000	1000	820	1000	2000	988	1539	1028	667

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Harda	Area	0.2	0.2	0.1	0.2	0.083	0.06	0.053	0.039	0.044	0.024	0.02	0.009
	Prod.	0.093	0.1	0.063	0.09	0.06	0.044	0.035	0.037	0.04	0.019	0.026	0.007
	Yield	465	500	630	450	723	733	660	949	909	792	1300	778
Hoshangabad	Area	1.8	1.4	1.1	0.9	0.2	0.2	0.2	0.1	0.041	0.027	--	--
	Prod.	0.8	0.7	0.6	0.5	0.1	0.1	0.1	0.069	0.028	0.017	--	--
	Yield	444	500	546	556	500	500	500	690	683	630	--	--
Indore	Area	1.5	0.2	0.1	0.2	0.098	0.1	0.1	0.094	0.054	0.026	0.023	0.009
	Prod.	0.9	0.1	0.1	0.2	0.074	0.1	0.089	0.073	0.048	0.019	0.028	0.017
	Yield	600	500	1000	1000	755	1000	890	777	889	731	1217	773
Jabalpur	Area	2.3	2.2	2	1.8	1.6	1.5	1	1.1	1	0.8	0.7	0.5
	Prod.	1.3	1.1	1.4	1.3	1.4	1.3	0.6	0.8	0.7	0.7	0.7	0.4
	Yield	565	500	700	722	875	867	600	727	700	875	1000	800
Jhabua	Area	--	0.003	0.007	0.001	--	--	0.001	--	--	--	--	--
	Prod.	--	0.002	0.004	--	--	--	--	--	--	--	--	--
	Yield	--	667	571	--	--	--	--	--	--	--	--	--
Katni	Area	5.7	5.8	6	5.7	5.5	5.3	4	4.9	3.4	2.2	2.5	2.3
	Prod.	2.2	1.5	2.6	2.4	2.4	1.9	1.3	2.5	1.6	0.6	1.3	1.1
	Yield	386	259	433	421	436	359	325	510	471	273	520	478
Khandwa (East Nimar)	Area	0.2	0.1	0.091	0.086	0.1	0.1	0.1	0.098	0.088	0.1	0.1	0.04
	Prod.	0.052	0.038	0.03	0.025	0.036	0.054	0.039	0.039	0.044	0.031	0.046	0.016
	Yield	260	380	330	291	360	540	390	398	500	310	460	400
Khatgone (West Nimar)	Area	0.05	0.066	0.05	0.058	0.04	0.037	0.027	0.027	0.038	0.013	0.01	0.017
	Prod.	0.014	0.018	0.017	0.018	0.014	0.017	0.012	0.011	0.018	0.005	0.005	0.007
	Yield	280	273	340	310	350	460	444	407	474	385	500	412
Mandla	Area	4.5	4.1	4.4	4.4	4.8	4.2	4.3	4.3	4.5	4.6	5.7	5.6
	Prod.	1.3	1.2	1.6	1.6	1.7	1.5	1.4	1.6	1.4	1.3	2.4	1.8
	Yield	289	293	364	364	354	357	326	372	311	283	421	321

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mandsaur	Area	2.8	0.4	1.1	1.1	1.9	1.8	1.2	1.9	1.3	1.5	2.8	6
	Prod.	1.5	0.1	0.7	1.4	0.6	1.1	1	1.6	0.7	1.5	2.9	6.6
	Yield	536	250	636	778	546	895	611	833	842	539	1000	1036	1100
Morena	Area	0.006	0.008	0.034	0.005	0.003	0.004	0.003	--	--	0.1	0.004	0.002
	Prod.	0.004	0.004	0.017	0.002	0.002	--	0.003	0.002	--	0.091	0.002	0.001
	Yield	667	500	500	400	667	--	750	667	--	910	500	500
Narsinghpur	Area	0.098	0.045	0.047	0.019	0.013	0.018	0.006	0.005	--	0.001	--	0.005
	Prod.	0.063	0.025	0.032	0.014	0.011	0.013	0.006	0.004	--	0.002	--	0.003
	Yield	643	556	681	737	846	786	722	1000	800	2000	--	600
Neemuch	Area	0.5	0.1	0.4	0.4	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.4
	Prod.	0.3	0.058	0.3	0.3	0.2	0.1	0.096	0.2	0.1	0.2	0.1	0.3
	Yield	600	580	750	750	667	500	960	1000	1000	1000	1000	750
Panna	Area	4.4	2.9	2.8	2.5	2.4	1.5	1	1	0.8	1.2	0.5	0.5
	Prod.	1.8	1.2	1.3	1.2	0.8	0.7	0.4	0.7	0.7	0.8	0.3	0.2
	Yield	409	414	464	480	333	467	400	636	700	667	600	400
Raigarh (Upto 2000)	Area	--	--	--	--	--	0.014	--	--	--	--	--	--
	Prod.	--	--	--	--	--	0.009	--	--	--	--	--	--
	Yield	--	--	--	--	--	643	--	--	--	--	--	--
Raisen	Area	6.7	4.7	4.8	4.6	4.4	2.1	1.7	1.5	1.2	0.6	0.2	0.3
	Prod.	4.8	3.5	4.1	4	3.6	2.8	1.6	1.4	1.4	0.7	0.2	0.2
	Yield	716	745	854	870	818	824	762	824	933	750	1167	1000	667
Raigarh	Area	0.068	0.034	0.03	0.036	0.026	--	0.021	0.001	0.019	0.006	--	--
	Prod.	0.03	0.014	0.021	0.021	0.014	--	0.013	--	0.016	0.007	--	--
	Yield	441	412	700	583	539	--	619	--	842	1167	--	--
Ratlam	Area	0.9	0.051	0.9	1.6	1.2	1.6	1	1.1	0.8	1	1.4	2
	Prod.	0.6	0.029	1.1	2	1.4	1.9	1.6	1.2	1.3	1	2.3	2.4
	Yield	667	569	1222	1250	1167	1188	1067	1200	1182	1250	1643	1200

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Rewa	Area	17.4	17.2	16.5	15.6	15.3	13.8	13.1	14.2	11.5	11.3	10.9	9.9	
	Prod.	4.2	4.1	4.1	4	3.3	3.1	2.7	4.1	2.9	3.6	3	3.3	
	Yield	241	238	249	256	216	225	206	313	317	252	319	275	333
Sagar	Area	9.1	8.6	7.1	6.6	6.3	5.3	2.8	2.9	2.2	1.7	1.2	0.8	
	Prod.	3.9	3.2	3.4	3.2	3.2	2.7	1.3	1.7	1.6	1.3	1.2	0.7	0.3
	Yield	429	372	479	485	508	509	464	586	615	591	706	583	375
Satna	Area	7.6	6.9	6.8	6.5	5.4	4.6	4.3	4.2	3	2.8	2.5	2.1	
	Prod.	2.3	1.6	2.3	2.2	2	1.2	1	1.3	2	0.8	1.3	0.8	0.5
	Yield	303	232	338	339	370	261	233	310	476	267	464	320	238
Sehore	Area	2.2	1.4	1.2	0.3	0.8	0.9	0.6	0.3	0.3	0.4	0.2	0.2	0.1
	Prod.	1.6	1.2	1.1	0.1	0.7	0.7	0.5	0.3	0.3	0.4	0.2	0.2	0.093
	Yield	727	857	917	333	875	778	833	1000	1000	750	2000	1000	930
Seoni	Area	11.8	11.2	11.7	7.8	11.6	11.2	10.8	10	10.1	8.6	8.5	7.6	
	Prod.	4.5	3.4	4.9	3.1	4.4	4.2	3.7	3.8	4	2.8	4.1	3.6	3.1
	Yield	381	304	419	397	379	375	343	380	396	326	482	424	408
Shahdol	Area	7.4	5.9	2.9	3.1	3.3	3	2.7	2.8	2.9	2.6	2.8	4.7	
	Prod.	1.7	1.4	0.8	0.8	0.9	0.8	0.7	0.8	0.9	0.6	0.9	1	1.8
	Yield	230	237	276	258	273	267	259	286	300	207	346	357	383
Shajapur	Area	0.051	0.026	0.026	0.092	0.015	0.062	0.018	0.02	0.059	0.046	0.05	0.002	
	Prod.	0.03	0.015	0.021	0.078	0.009	0.059	0.012	0.013	0.02	0.034	0.046	0.041	0.002
	Yield	588	577	808	848	600	952	667	650	1000	576	1000	820	1000
Sheopur	Area	0.9	0.1	0.6	0.8	0.2	0.1	0.066	0.086	0.046	0.088	0.2	0.047	0.014
	Prod.	0.4	0.035	0.4	0.8	0.1	0.061	0.035	0.052	0.028	0.039	0.1	0.061	0.016
	Yield	444	350	667	1000	500	610	530	605	609	443	500	1298	1143
Shivpuri	Area	1.8	0.3	0.3	0.2	0.2	0.3	0.3	0.1	0.08	0.052	0.065	0.039	
	Prod.	1.1	0.091	0.2	0.2	0.2	0.2	0.1	0.2	0.091	0.1	0.1	0.1	0.06
	Yield	611	303	667	1000	1000	667	333	667	910	1250	1923	1539	

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sidhi	Area	15.2	14.7	15.3	14.6	14	13.6	13.2	5.7	6.7	5.5	5	4.7
	Prod.	3.9	3.8	4.9	4.8	3.7	3.5	3	1.7	2.1	1.2	2.5	2
	Yield	257	259	320	329	264	257	227	298	313	218	455	400	319
Tikamgarh	Area	1.1	0.7	0.4	0.5	0.4	0.3	0.1	0.2	0.2	0.1	0.1	0.037
	Prod.	0.5	0.3	0.2	0.2	0.2	0.1	0.039	0.093	0.1	0.037	0.063	0.011
	Yield	455	429	500	400	500	333	390	465	500	185	630	360	297
Ujjain	Area	1	0.3	1.1	1.1	0.1	0.2	0.1	0.075	0.2	0.3	0.2	0.05
	Prod.	0.4	0.1	0.8	0.9	0.067	0.1	0.087	0.052	0.2	0.2	0.2	0.035
	Yield	400	333	727	818	670	500	870	693	1000	667	1000	700	680
Umaria	Area	3.6	3.6	3.9	3.9	3.7	3.7	3.3	3.2	3.5	3.1	3.1	3
	Prod.	1	0.9	1.1	1.3	1.2	1.3	0.9	1.1	1.4	0.8	1.2	1.2
	Yield	278	250	282	333	324	351	273	344	400	258	387	387	500
Vidisha	Area	0.5	1.4	0.5	0.4	0.3	0.2	0.097	0.1	0.088	0.055	0.018	0.005
	Prod.	0.4	1	0.3	0.3	0.2	0.2	0.069	0.099	0.089	0.04	0.021	0.005
	Yield	800	714	600	750	667	1000	711	990	1011	727	1167	1000	780

Maharashtra

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmednagar	Area	1.3	1	0.8	1.1	1.2	1	0.011	0.6	0.6	0.5	0.003	0.004
	Prod.	0.3	0.2	0.2	0.2	0.4	0.3	0.003	0.1	0.1	0.1	0.001	0.0004
	Yield	231	200	250	182	333	300	273	167	167	200	207	119
Amravati	Area	--	--	--	--	2.6	--	--	--	--	--	--	--
	Prod.	--	--	--	--	0.7	--	--	--	--	--	--	--
	Yield	--	--	--	--	269	--	--	--	--	--	--	--
Aurangabad	Area	4.6	1.6	1.8	2	1.6	2.5	0.017	1.1	0.8	0.4	0.001	--
	Prod.	0.9	0.3	0.6	0.4	0.3	0.6	0.005	0.1	0.1	0.1	0	--
	Yield	196	188	333	200	188	240	294	91	125	250	207	--
Beed	Area	6.1	4.6	4.8	4.5	4.3	4.3	0.038	2.4	1.4	1.4	0.008	0.007
	Prod.	1.5	1.2	0.8	0.7	1.4	1.3	0.011	0.5	0.3	0.3	0.002	0.001
	Yield	246	261	167	156	326	302	290	208	214	214	207	122
Bhandara	Area	5.1	3.2	3.2	1.6	3.7	3.8	0.05	2.7	3.7	4	0.033	0.04
	Prod.	0.9	0.5	0.9	0.2	1.1	1	0.015	0.8	1.1	1.4	0.007	0.015
	Yield	177	156	281	125	297	263	300	296	297	350	213	379
Chandrapur	Area	16.7	12.4	28.4	20.8	23.6	28.1	0.3	13.2	10.5	10.6	0.071	0.063
	Prod.	4	2.7	6.9	3.5	7.8	6.9	0.089	3	3.1	3.2	0.022	0.025
	Yield	240	218	243	168	331	246	297	227	295	302	304	395
Gadchiroli	Area	0.1	1.5	2.3	1.7	3.1	3	0.026	0.7	1.8	2.8	0.021	0.02
	Prod.	0.1	0.3	0.3	0.1	0.6	0.5	0.008	0.1	0.6	0.6	0.006	0.007
	Yield	1000	200	130	59	194	167	308	143	333	214	288	332
Gondia	Area	6.2	5.5	5.9	3.8	11.5	11.1	0.1	6.3	6.6	7.9	0.086	0.077
	Prod.	0.9	0.8	0.9	0.3	2	1.5	0.017	0.9	1.2	1.8	0.015	0.014
	Yield	145	146	153	79	174	135	170	143	182	228	171	188

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Hingoli	Area	1.4	1.5	0.7	0.7	0.8	0.7	0.005	0.4	0.4	0.5	0.003	--
	Prod.	0.7	0.4	0.1	0.3	0.2	0.2	0.002	0.1	0.1	0.1	0.001	--
	Yield	500	267	143	429	250	286	400	250	250	200	244	--
Jalna	Area	1.7	1.8	2.2	2.3	2	2.1	0.016	1.2	0.6	0.6	0.001	--
	Prod.	0.4	0.4	0.5	0.5	0.6	0.6	0.005	0.2	0.1	0.3	0	--
	Yield	235	222	227	217	300	286	313	167	167	500	207	--
Latur	Area	3	2.5	1.3	0.4	0.4	0.4	0.003	0.5	0.4	0.9	0.009	0.011
	Prod.	1.5	0.6	0.3	0.2	0.1	0.1	0.001	0.1	0.1	0.2	0.002	0.003
	Yield	500	240	231	500	250	250	333	200	250	222	244	274
Nagpur	Area	6.8	2.1	2.4	1.7	2.4	2.2	0.021	0.9	1.1	1.2	0.013	0.008
	Prod.	2.3	0.5	1	0.5	0.8	0.4	0.008	0.3	0.1	0.5	0.007	0.003
	Yield	338	238	417	294	333	182	381	333	91	417	501	404
Nanded	Area	0.5	0.4	0.4	0.4	0.4	0.4	0.003	0.1	0.1	--	--	--
	Prod.	0.1	0.1	0.1	0.2	0.1	0.1	0.001	0.1	0.022	--	--	--
	Yield	200	250	250	500	250	250	333	1000	220	--	--	--
Osmanabad	Area	11.9	12.7	6.6	6.9	4.9	5.6	0.066	6.8	6.1	6.5	0.046	0.039
	Prod.	5.9	3	1.4	3.1	1.5	1.6	0.02	1.3	1.4	1.3	0.011	0.007
	Yield	496	236	212	449	306	286	303	191	230	200	244	186
Parbhani	Area	1.1	1.4	1.4	1.5	1.5	1.7	0.014	1	1.4	1.4	0.012	0.002
	Prod.	0.5	0.3	0.3	0.7	0.4	0.5	0.004	0.2	0.3	0.3	0.003	0.0004
	Yield	455	214	214	467	267	294	286	200	214	214	244	203
Pune	Area	0.2	0.1	0.4	0.2	0.1	0.2	0.001	--	--	--	--	--
	Prod.	0.1	0.1	0.1	0.1	0.1	0.1	0.001	--	--	--	--	--
	Yield	500	1000	250	500	1000	500	1000	--	--	--	--	--

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Satara	Area	--	--	--	0.1	0.2	0.1	0.001	--	0.1	0.1	0.001	--
	Prod.	--	--	--	--	0.1	0.1	0.001	--	0.022	0.026	0.0002	--
	Yield	--	--	--	--	500	1000	1000	--	220	260	207	--
Solapur	Area	1	0.6	0.3	0.4	0.4	0.5	0.004	0.3	0.4	0.4	0.002	0.001
	Prod.	0.2	0.1	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1	0.0004	0.0001
	Yield	200	167	333	250	250	200	250	333	250	250	207	119
Wardha	Area	0.4	0.3	0.2	0.1	0.1	0.1	0.001	--	0.1	0.1	--	--
	Prod.	0.1	0.1	0.1	0.1	0.1	0.1	0.001	--	0.026	0.028	--	--
	Yield	250	333	500	1000	1000	1000	1000	--	260	280	--	--
Yavatmal	Area	0.6	0.4	0.3	0.1	0.2	--	--	--	--	--	--	--
	Prod.	0.1	0.1	0.1	--	0.1	--	--	--	--	--	--	--
	Yield	167	250	333	--	500	--	--	--	--	--	--	--

Odisha

District		2001-02	2002-03	2003-04	2004-05	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Balangir	Area	0.07	--	0.04	0.05	0.01	0.05	0.07	0.06	0.04	0.01	0.06	--
	Prod.	0.01	--	0.01	0.013	0.01	0.03	0.04	0.03	0.02	0.01	0.03	--
	Yield	143	--	250	260	510	513	515	533	525	1000	500	--
Boudh (Bauda)	Area	--	--	--	0.078	0.05	0.05	0.03	0.03	0.03	--	--	8.14
	Prod.	--	--	--	0.04	0.03	0.03	0.02	0.02	0.02	--	--	3.79
	Yield	--	--	--	513	543	547	550	510	540	--	--	465.602
Cuttack	Area	0.1	0.09	0.1	0.08	0.08	0.06	0.06	0.05	0.05	0.04	0.11	0.05
	Prod.	0.06	0.05	0.04	0.033	0.04	0.03	0.03	0.02	0.02	0.02	0.05	0.02
	Yield	600	556	400	413	450	553	479	407	400	500	451	400
Ganjam	Area	0.2	0.1	0.1	0.2	0.13	0.04	0.07	0.04	0.04	0.02	0.19	--
	Prod.	0.07	0.06	0.04	0.08	0.06	0.02	0.03	0.02	0.03	0.01	0.09	--
	Yield	350	600	400	400	455	460	466	450	730	500	474	--
Jajpur	Area	0.2	0.2	0.1	0.1	--	--	--	--	--	--	--	--
	Prod.	0.07	0.06	0.04	0.059	--	--	--	--	--	--	--	--
	Yield	350	300	400	590	--	--	--	--	--	--	--	--
Kalahandi	Area	3.7	1.4	1.9	1.8	2.11	2.23	2.33	2.62	2.33	2.59	2.17	0.05
	Prod.	1.7	0.7	1.2	0.9	1.09	1.16	1.22	1.37	1.22	1.37	1.11	0.02
	Yield	460	500	632	500	518	520	524	523	525	529	512	400
Kendrapara	Area	0.09	0.09	0.03	0.033	0.05	0.06	0.05	0.06	0.06	0.05	0.02	--
	Prod.	0.03	0.04	0.01	0.014	0.02	0.02	0.02	0.03	0.03	0.01	0.01	--
	Yield	333	444	333	424	410	413	450	491	472	200	500	--
Kendujhar (Keonjhar)	Area	3.9	2.8	3.2	3.7	4.17	3.56	3.52	3.65	3.62	3.59	3.61	2.4
	Prod.	1.6	1.1	1.4	1.8	2.11	1.81	1.8	1.81	1.81	1.8	1.75	1.22
	Yield	410	393	438	487	505	509	511	497	499	501	485	508

District		2001-02	2002-03	2003-04	2004-05	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Khordha	Area	0.02	0.04	0.04	0.054	0.02	0.04	0.04	0.04	0.03	0.02	0.01	0.54
	Prod.	0.01	0.01	0.01	0.008	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.24
	Yield	500	250	250	148	500	504	510	356	367	500	1000	444
Koraput	Area	0.2	0.2	0.2	0.2	0.26	0.25	0.3	0.17	0.03	0.33	0.26	--
	Prod.	0.05	0.04	0.05	0.05	0.07	0.14	0.17	0.05	0.01	0.09	0.12	--
	Yield	250	200	250	250	250	560	563	322	330	273	462	--
Mayurbhanj	Area	6.5	5.8	7.6	9.1	--	--	--	--	--	--	--	--
	Prod.	2.9	2.4	3.2	3.8	--	--	--	--	--	--	--	--
	Yield	446	414	421	418	--	--	--	--	--	--	--	--
Nabarangpur	Area	2.9	1.9	1.2	3	2.79	2.87	2.69	2.72	2.5	2.39	2.2	3.46
	Prod.	0.6	0.3	0.2	0.6	1.06	1.26	1.2	1.21	1.05	0.91	1.11	1.67
	Yield					380	440	445	445	419	381	505	483
Nayagarh	Yield	207	158	167	200								
	Area	0.5	0.7	0.8	0.6	0.54	0.51	0.52	0.56	0.52	0.48	0.53	3.67
	Prod.	0.2	0.1	0.2	0.1	0.15	0.14	0.15	0.16	0.15	0.13	0.24	1.79
Nuapada	Yield	400	143	250	167	278	280	290	286	282	271	453	488
	Area	3.1	1.4	2.4	1.8	2.02	2.53	2.24	1.87	1.69	1.24	2.83	--
	Prod.	0.8	0.1	0.6	0.6	0.76	1.01	0.91	0.73	0.81	0.56	1.39	--
Puri	Yield	258	71	250	333	375	400	405	390	480	452	491	--
	Area	1.3	1.5	--	0.9	0.89	0.93	0.84	0.82	0.7	0.76	0.75	1.95
	Prod.	0.4	0.4	--	0.2	0.16	0.19	0.18	0.18	0.16	0.18	0.35	0.98
Sundargarh	Yield	308	267	--	222	180	200	220	223	234	237	467	503
	Area	0.3	0.4	0.6	0.6	0.91	1.08	1.14	1.19	1.45	1.33	1.19	1.4
	Prod.	0.1	0.2	0.2	0.2	0.35	0.43	0.45	0.52	0.65	0.6	0.57	0.65
Yield	333	500	333	333	380	400	398	440	445	451	479	464	

Rajasthan

District		2001-02	2002-03	2003-04	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Ajmer	Area	0.014	0.001	0.062	0.022	0.021	0.019	0.1	0.001	0.084	0.057
	Prod.	0.011	0.001	0.05	0.018	0.017	0.015	0.1	0.001	0.051	0.08
	Yield	786	1000	807	818	810	790	1000	1000	607	1404
Alwar	Area	--	--	--	--	--	--	--	--	0.012	--
	Prod.	--	--	--	--	--	--	--	--	0.013	--
	Yield	--	--	--	--	--	--	--	--	1083	--
Banswara	Area	0.01	0.024	0.024	0.025	0.021	0.016	0.035	--	0.031	0.013
	Prod.	0.008	0.017	0.019	0.021	0.017	0.012	0.013	--	0.011	0.005
	Yield	800	708	792	840	810	750	371	--	355	385
Baran	Area	0.7	0.1	0.3	0.2	0.1	0.07	0.058	0.061	0.2	0.031
	Prod.	0.7	0.2	0.3	0.2	0.095	0.04	0.1	0.1	0.4	0.047
	Yield	1000	2000	1000	1000	950	571	1724	1639	2000	1516
Barmer	Area	0.004	0.003	--	--	0.022	0.004	0.013	--	0.011	0.002
	Prod.	0.003	0.002	--	--	0.017	0.003	0.012	--	0.005	0.002
	Yield	750	667	--	--	773	750	923	--	455	1000
Bharatpur	Area	--	0.002	--	--	--	--	0.002	--	0.028	0.012
	Prod.	--	0.001	--	--	--	--	0.001	--	0.028	0.023
	Yield	--	500	--	--	--	--	500	--	1000	1917
Bhilwara	Area	0.1	0.014	0.3	0.1	0.008	0.001	0.004	0.002	0.054	0.018
	Prod.	0.084	0.01	0.2	0.069	0.006	0.001	0.004	0.001	0.034	0.011
	Yield	840	714	667	690	750	1000	1000	500	630	611
Bikaner	Area	0.004	0.017	0.007	0.002	--	0.013	0.026	0.002	0.004	0.001
	Prod.	0.003	0.012	0.006	0.002	--	0.01	0.026	0.002	0.004	0.001
	Yield	750	706	857	1000	--	769	1000	1000	1000	1000

District		2001-02	2002-03	2003-04	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Bundi	Area	0.4	0.2	0.2	0.1	0.059	0.045	0.1	0.2	0.1	0.332
	Prod.	0.3	0.1	0.2	0.078	0.032	0.026	0.2	0.3	0.2	0.438
	Yield	750	500	1000	780	542	578	2000	1500	2000	1319
Chittorgarh	Area	0.8	0.1	0.2	0.3	0.3	0.1	0.067	0.093	0.1	0.074
	Prod.	0.6	0.043	0.1	0.2	0.2	0.1	0.042	0.048	0.075	0.03
	Yield	750	430	500	667	667	1000	627	516	750	405
Churu	Area	--	--	0.017	--	--	--	--	0.003	--	--
	Prod.	--	--	0.014	--	--	--	--	--	--	--
	Yield	--	--	824	--	--	--	--	--	--	--
Dausa	Area	0.001	0.016	0.004	--	0.001	0.001	--	--	--	--
	Prod.	0.001	0.011	0.003	--	0.001	0.001	--	--	--	--
	Yield	1000	688	750	--	1000	1000	--	--	--	--
Dholpur	Area	0.003	0.001	0.001	--	--	--	--	--	0.1	--
	Prod.	0.003	0.001	0.001	--	--	--	--	--	0.1	--
	Yield	1000	1000	1000	--	--	--	--	--	1000	--
Dungapur	Area	0.004	--	--	--	--	--	--	--	--	--
	Prod.	0.003	--	--	--	--	--	--	--	--	--
	Yield	750	--	--	--	--	--	--	--	--	--
Ganganagar	Area	--	0.005	--	--	0.022	--	0.007	0.09	--	--
	Prod.	--	0.004	--	--	0.017	--	--	0.1	--	--
	Yield	--	800	--	--	773	--	--	1111	--	--
Hanumangarh	Area	--	--	--	--	0.1	--	0.009	0.045	--	--
	Prod.	--	--	--	--	0.09	--	0.005	0.042	--	--
	Yield	--	--	--	--	900	--	556	933	--	--

District		2001-02	2002-03	2003-04	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Jaipur	Area	0.001	0.003	0.008	--	0.023	0.006	0.001	--	0.015	0.004
	Prod.	0.001	0.006	0.006	--	0.018	0.005	0.001	--	0.013	0.004
	Yield	1000	2000	750	--	783	833	1000	--	867	1000
Jaisalmer	Area	--	--	0.003	0.002	0.004	--	--	--	--	--
	Prod.	--	--	0.002	0.002	0.003	--	--	--	--	--
	Yield	--	--	667	1000	750	--	--	--	--	--
Jalore	Area	0.008	0.001	--	--	0.027	0.028	0.001	0.001	0.009	--
	Prod.	0.006	0.001	--	--	0.021	0.022	0.001	0.001	0.002	--
	Yield	750	1000	--	--	778	786	1000	1000	222	--
Jhalawar	Area	0.082	0.027	0.2	0.047	0.047	0.053	0.2	0.1	0.1	0.037
	Prod.	0.065	0.02	0.2	0.05	0.037	0.041	0.1	0.082	0.098	0.039
	Yield	793	741	1000	1064	787	774	500	820	980	1054
Jhunjhunu	Area	--	--	--	0.001	--	--	--	--	--	--
	Prod.	--	--	--	0.001	--	--	--	--	--	--
	Yield	--	--	--	1000	--	--	--	--	--	--
Jodhpur	Area	--	--	--	--	--	--	--	--	0.005	0.004
	Prod.	--	--	--	--	--	--	--	--	0.002	0.001
	Yield	--	--	--	--	--	--	--	--	400	250
Karauli	Area	0.004	0.004	0.003	--	--	--	--	0.002	--	0.013
	Prod.	0.003	0.003	0.002	--	--	--	--	0.002	--	0.013
	Yield	750	750	667	--	--	--	--	1000	--	1000
Kota	Area	0.7	0.2	0.4	0.5	0.3	0.1	0.3	0.6	0.2	0.152
	Prod.	0.5	0.2	0.3	0.5	0.3	0.1	0.2	2	0.2	0.096
	Yield	714	1000	750	1000	1000	1000	667	3333	1000	632

District		2001-02	2002-03	2003-04	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Nagaur	Area	0.7	0.092	0.3	0.013	0.055	0.026	1.3	1.9	0.2	0.164
	Prod.	0.5	0.065	0.2	0.011	0.043	0.02	2.6	3.7	0.7	0.304
	Yield	714	707	667	846	782	769	2000	1947	3500	1854
Pali	Area	0.064	--	0.019	--	--	0.015	0.027	--	0.008	--
	Prod.	0.05	--	0.015	--	--	0.011	0.013	--	0.008	--
	Yield	781	--	790	--	--	733	482	--	1000	--
Rajsamand	Area	0.001	--	--	0.015	0.002	0.012	--	--	0.022	0.002
	Prod.	0.001	--	--	0.012	0.002	0.009	--	--	0.1	0.006
	Yield	1000	--	--	800	1000	750	--	--	4546	3000
Sawai Madhopur	Area	0.035	0.015	0.026	0.001	0.006	0.094	--	--	0.006	--
	Prod.	0.026	0.011	0.017	0.001	0.005	0.073	--	--	0.006	--
	Yield	743	733	654	1000	833	777	--	--	1000	--
Sikar	Area	--	--	--	--	--	0.028	--	--	--	--
	Prod.	--	--	--	--	--	0.022	--	--	--	--
	Yield	--	--	--	--	--	786	--	--	--	--
Sirohi	Area	0.055	--	0.005	--	--	--	--	--	0.01	--
	Prod.	0.043	--	0.004	--	--	--	--	--	0.01	--
	Yield	782	--	800	--	--	--	--	--	1000	--
Tonk	Area	0.1	0.01	0.2	0.1	0.03	0.001	0.081	0.003	0.2	0.212
	Prod.	0.081	0.006	0.099	0.047	0.017	0.001	0.021	0.001	0.001	0.112
	Yield	810	600	495	470	567	1000	259	333	500	528
Udaipur	Area	0.021	0.002	0.025	0.024	0.063	0.043	0.051	0.002	--	0.003
	Prod.	0.017	0.001	0.02	0.02	0.05	0.033	0.043	0.004	--	0.003
	Yield	810	500	800	833	794	767	843	2000	--	1000

Telangana

District		2013-14	2014-15
Adilabad	Area	0.118	--
	Prod.	0.058	--
	Yield	492	--
Karimnagar	Area	--	--
	Prod.	--	--
	Yield	--	--
Khammam	Area	--	--
	Prod.	--	--
	Yield	--	--
Mahbubnagar	Area	--	--
	Prod.	--	--
	Yield	--	--
Medak	Area	0.111	0.045
	Prod.	0.054	0.018
	Yield	484	401
Nalgonda	Area	--	--
	Prod.	--	--
	Yield	--	--
Nizamabad	Area	--	--
	Prod.	--	--
	Yield	--	--
Ranga Reddy	Area	--	--
	Prod.	--	--
	Yield	--	--
Warangal	Area	--	--
	Prod.	--	--
	Yield	--	--

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bahraich	Area	0.3	0.2	0.2	0.1	0.2	0.042	0.038	0.09	0.087	--	0.03	0.084	0.036
	Prod.	0.1	0.068	0.074	0.051	0.064	0.015	0.01	0.041	0.038	--	0.014	0.038	0.015
	Yield	333	340	370	510	320	357	263	456	437	--	467	452	417
Balrampur	Area	0.2	0.2	0.2	0.04	0.2	0.016	0.031	0.008	--	0.013	0.014	0.016	0.012
	Prod.	0.1	0.066	0.079	0.018	0.067	0.005	0.008	0.004	--	0.006	0.006	0.007	0.005
	Yield	500	330	395	450	335	313	258	500	--	462	429	438	417
Banda	Area	3	2.8	2.4	2.8	2.3	2.2	2.2	2.2	2.4	2.3	2.3	2.3	2.4
	Prod.	1.2	0.9	1.1	1.2	1	0.7	0.3	1	1.1	1	1	0.9	0.7
	Yield	400	321	458	429	435	318	136	455	458	435	435	391	292
Barabanki	Area	0.031	0.026	0.029	0.021	0.1	0.008	0.035	0.02	0.028	0.015	0.017	0.001	0.013
	Prod.	0.013	0.011	0.014	0.01	0.054	0.003	0.009	0.009	0.013	0.007	0.008	--	0.005
	Yield	419	423	483	476	540	375	257	450	464	467	471	--	385
Bareilly	Area	0.005	0.002	0.006	0.014	0.007	0.014	0.008	--	--	--	--	--	--
	Prod.	0.002	0.001	0.003	0.007	0.003	0.005	0.002	--	--	--	--	--	--
	Yield	400	500	500	500	429	357	250	--	--	--	--	--	--
Basti	Area	0.033	0.031	0.023	0.025	0.023	0.025	--	0.027	0.009	0.025	0.037	0.014	0.023
	Prod.	0.014	0.006	0.011	0.012	0.01	0.009	--	0.012	0.004	0.012	0.017	0.007	0.009
	Yield	424	194	478	480	435	360	--	444	444	480	460	500	391
Bijnor	Area	--	0.002	--	--	--	--	--	--	--	--	--	--	--
	Prod.	--	0.001	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	500	--	--	--	--	--	--	--	--	--	--	--
Budaun	Area	--	0.003	0.006	0.003	--	0.008	--	--	--	--	--	--	0.007
	Prod.	--	0.001	0.003	0.001	--	0.003	--	--	--	--	--	--	0.003
	Yield	--	333	500	333	--	375	--	--	--	--	--	--	429

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Chandauli	Area	1.4	1.6	1.2	1.3	1.2	1.3	1.3	1	0.9	0.6	0.7	0.5
	Prod.	0.5	0.3	0.6	0.7	0.4	0.5	0.4	0.3	0.5	0.3	0.4	0.1
	Yield	357	188	500	539	333	385	385	300	556	500	571	200
Chitrakoot	Area	1.4	1.5	1.4	1.3	1.4	1.5	1	0.9	1	0.8	1	0.4
	Prod.	0.5	0.5	0.6	0.6	0.6	0.2	0.4	0.4	0.4	0.4	0.4	0.1
	Yield	357	333	429	462	429	133	400	444	400	500	400	250
Deoria	Area	0.001	0.009	0.001	0.007	--	0.002	--	--	--	0.003	--	--
	Prod.	--	0.004	0.001	0.003	--	0.001	--	--	--	0.001	--	--
	Yield	--	444	1000	429	--	500	--	--	--	333	--	--
Etah	Area	0.002	--	--	--	--	0.002	--	--	--	--	--	--
	Prod.	0.001	--	--	--	--	0.001	--	--	--	--	--	--
	Yield	500	--	--	--	--	500	--	--	--	--	--	--
Etawah	Area	--	0.003	--	--	--	--	--	--	--	--	--	--
	Prod.	--	0.001	--	--	--	--	--	--	--	--	--	--
	Yield	--	333	--	--	--	--	--	--	--	--	--	--
Faizabad	Area	0.038	0.022	0.036	0.016	0.027	0.011	0.011	0.014	0.012	0.016	0.015	0.015
	Prod.	0.016	0.009	0.018	0.007	0.011	0.004	0.005	0.006	0.006	0.007	0.007	0.006
	Yield	421	409	500	438	407	364	235	429	500	438	467	400
Fatehpur	Area	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.6	0.2	0.1	0.1	0.1
	Prod.	0.077	0.1	0.1	0.2	0.095	0.1	0.054	0.2	0.1	0.063	0.067	0.047
	Yield	385	333	333	667	475	333	270	333	500	630	670	470
Firozabad	Area	0.048	0.023	0.015	0.023	0.015	--	--	--	0.001	--	--	0.001
	Prod.	0.02	0.01	0.007	0.011	0.006	0.008	--	--	--	--	--	--
	Yield	417	435	467	478	400	348	--	--	--	--	--	--

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ghaziabad	Area	--	--	--	--	--	--	--	--	--	--	--	--	0.1
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	0.055
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	550
Ghaziipur	Area	0.061	0.039	0.09	0.02	0.09	0.02	0.009	0.004	--	--	--	--	--
	Prod.	0.023	0.008	0.046	0.01	0.032	0.008	0.003	0.001	--	--	--	--	--
	Yield	377	205	511	500	356	400	333	250	--	--	--	--	--
Gonda	Area	0.065	0.041	0.041	0.094	0.048	0.1	0.068	0.014	0.01	0.022	0.022	0.04	0.052
	Prod.	0.027	0.018	0.02	0.043	0.02	0.051	0.017	0.006	0.005	0.01	0.01	0.018	0.021
	Yield	415	439	488	457	417	510	250	429	500	455	455	450	404
Gorakhpur	Area	0.031	0.04	0.038	0.019	0.038	0.023	0.008	0.001	--	0.032	0.029	0.023	0.031
	Prod.	0.013	0.017	0.019	0.009	0.016	0.008	0.002	--	--	0.015	0.013	0.011	0.012
	Yield	419	425	500	474	421	348	250	--	--	469	448	478	387
Hamirpur	Area	3.5	3	3	3.6	3.9	2.3	3.9	3.6	3.6	3.2	4.3	3.5	2.4
	Prod.	1.4	1.7	1.6	1.6	1.8	0.7	1.1	1.4	1.4	1.5	1.9	1.4	0.7
	Yield	400	567	533	444	462	304	282	389	389	469	442	400	292
Hardoi	Area	0.035	0.032	0.009	0.008	0.004	0.008	0.007	0.027	0.018	0.007	0.015	0.013	0.038
	Prod.	0.015	0.013	0.004	0.004	0.002	0.003	0.002	0.012	0.008	0.003	0.007	0.006	0.015
	Yield	429	406	444	500	500	375	286	444	444	429	467	462	395
Jalaun	Area	0.6	0.4	0.5	0.6	0.4	0.6	0.5	0.3	0.4	0.4	0.3	0.4	0.2
	Prod.	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1
	Yield	500	500	400	500	500	333	200	667	500	500	333	500	500
Jaunpur	Area	0.036	0.018	0.018	0.002	0.018	0.001	0.001	0.004	0.004	0.004	--	--	0.016
	Prod.	0.014	0.004	0.009	0.001	0.006	--	--	0.001	0.001	0.002	--	--	0.003
	Yield	389	222	500	500	333	--	--	250	250	500	--	--	188

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Jhansi	Area	2.9	1.9	3.1	7.5	4	6.6	6	5	5.1	3.9	2.1	1.3	0.7
	Prod.	1.4	1.2	1.6	3.9	1.7	2.3	1.7	2.8	2.8	2.2	0.9	0.8	0.5
	Yield	483	632	516	520	425	349	283	560	549	564	429	615	714
Kannaauj	Area	--	--	--	--	--	--	--	--	--	--	--	--	0.01
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	0.004
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	400
Kanpur Dehat (Ramabai Nagar)	Area	--	--	0.04	0.068	0.04	0.053	0.045	0.026	0.026	0.017	0.012	0.017	0.007
	Prod.	--	--	0.02	0.031	0.017	0.019	0.011	0.012	0.012	0.008	0.005	0.008	0.003
	Yield	--	--	500	456	425	359	244	462	462	471	417	471	429
Kanpur Nagar	Area	0.4	0.2	0.1	0.2	0.1	0.4	0.2	0.095	0.2	--	--	--	0.1
	Prod.	0.2	0.07	0.061	0.073	0.043	0.1	0.044	0.043	0.069	--	--	--	0.053
	Yield	500	350	610	365	430	250	220	453	345	--	--	--	530
Kaushambi	Area	0.005	0.003	--	0.008	--	0.011	0.007	0.004	0.001	0.004	0.002	0.005	0.019
	Prod.	0.002	0.001	--	0.004	--	0.004	0.003	0.001	--	0.002	0.001	0.003	0.007
	Yield	400	333	--	500	--	364	429	250	--	500	500	600	368
Kushinagar	Area	0.004	0.011	0.004	0.005	0.003	0.005	--	0.002	--	--	0.003	0.003	0.019
	Prod.	0.002	0.005	0.002	0.002	0.001	0.002	--	0.001	--	--	0.001	0.001	0.008
	Yield	500	455	500	400	333	400	--	500	--	--	333	333	421
Lakhimpur Kheri	Area	0.006	0.029	0.02	0.005	0.01	0.003	0.01	0.009	0.008	0.02	--	--	--
	Prod.	0.003	0.013	0.01	0.002	0.004	0.001	0.002	0.004	0.003	0.009	--	--	--
	Yield	500	448	500	400	400	333	200	444	375	450	--	--	--
Lalitpur	Area	0.6	0.1	0.1	0.2	0.2	0.2	0.2	0.028	0.026	0.018	0.011	--	0.1
	Prod.	0.3	0.071	0.055	0.1	0.086	0.079	0.051	0.016	0.014	0.01	0.005	--	0.087
	Yield	500	710	550	500	430	395	255	571	539	556	455	--	870

District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Lucknow	Area	0.082	0.039	0.062	0.076	0.011	0.076	0.01	0.031	0.024	0.029	0.006	0.003	--
	Prod.	0.034	0.017	0.031	0.035	0.004	0.027	0.003	0.014	0.011	0.013	0.003	0.001	--
	Yield	415	436	500	461	364	355	300	452	458	448	500	333	--
Maharajganj	Area	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.076
	Prod.	0.2	0.2	0.2	0.2	0.2	0.1	0.08	0.1	0.082	0.076	0.1	0.061	0.031
	Yield	500	500	667	500	500	333	267	333	410	380	500	610	408
Mahoba	Area	7.4	7.7	6.6	7.6	5.6	7.2	5.9	6.2	7.5	6.6	8	8.4	6.9
	Prod.	3.8	2.6	3.5	4.5	2.5	2.4	0.9	3.4	4	3	3.4	3.2	2.1
	Yield	514	338	530	592	446	333	153	548	533	455	425	381	304
Mainpuri	Area	--	--	0.001	--	0.001	--	--	--	--	--	--	--	--
	Prod.	--	--	--	--	0.001	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	1000	--	--	--	--	--	--	--	--
Mau	Area	0.002	0.003	0.007	--	0.008	--	--	--	--	--	--	--	--
	Prod.	0.001	0.001	0.003	--	0.004	--	--	--	--	--	--	--	--
	Yield	500	333	429	--	500	--	--	--	--	--	--	--	--
Mirzapur	Area	5.2	5.3	5	4	4.4	3.8	4	2.6	3.4	4	3.6	3.5	3.6
	Prod.	2.3	3.2	2.6	1.4	1.9	1.9	1.1	0.9	1.5	1.6	1.6	1.4	1.6
	Yield	442	604	520	350	432	500	275	346	441	400	444	400	444
Moradabad	Area	--	--	0.001	0.001	0.001	0.001	0.007	--	--	--	--	--	--
	Prod.	--	--	0.001	0.001	--	--	0.002	--	--	--	--	--	--
	Yield	--	--	1000	1000	--	--	286	--	--	--	--	--	--
Muzaffarnagar	Area	0.001	0.003	--	--	--	--	--	0.009	0.005	--	0.002	0.005	--
	Prod.	--	0.001	--	--	--	--	--	0.004	0.002	--	0.001	0.002	--
	Yield	--	333	--	--	--	--	--	444	400	--	500	400	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Pilibhit	Area	0.006	0.006	--	0.002	0.002	--	--	--	--	--	--	--
	Prod.	0.003	0.003	--	0.001	--	--	--	--	--	--	--	--
	Yield	500	500	--	500	--	--	--	--	--	--	--	--
Pratapgarh	Area	0.1	0.053	0.048	0.016	0.035	0.022	0.004	0.003	0.005	0.007	0.006	0.051
	Prod.	0.041	0.024	0.024	0.008	0.016	0.008	0.001	0.001	0.003	0.003	0.003	0.018
	Yield	410	453	500	500	457	364	250	333	600	429	500	353
Raebareli	Area	0.2	0.3	0.2	0.2	0.2	0.2	0.087	0.1	0.099	0.073	0.043	0.037
	Prod.	0.1	0.1	0.1	0.1	0.085	0.074	0.039	0.047	0.046	0.033	0.019	0.015
	Yield	500	333	500	500	425	370	448	470	465	452	442	405
Rampur	Area	--	0.002	0.003	0.005	--	--	--	--	--	0.017	--	--
	Prod.	--	0.001	0.001	0.002	--	--	--	--	--	0.008	--	--
	Yield	--	500	333	400	--	--	--	--	--	471	--	--
Sant Kabir Nagar	Area	0.024	0.007	0.025	0.013	0.025	0.013	0.007	0.005	--	0.004	0.004	0.007
	Prod.	0.01	0.002	0.012	0.006	0.01	0.004	0.001	0.002	--	0.002	0.002	0.003
	Yield	417	286	480	462	400	308	333	400	--	500	500	429
Sant Ravidas Nagar	Area	0.006	0.003	0.001	0.004	0.01	0.032	0.002	0.001	0.002	--	--	0.002
	Prod.	0.002	0.001	--	0.001	0.004	0.016	0.001	--	0.001	--	--	0.001
	Yield	333	333	--	250	400	500	333	500	--	--	--	500
Shahjahanpur	Area	0.024	0.041	0.3	0.3	0.3	0.3	0.2	--	0.005	--	0.004	0.001
	Prod.	0.01	0.018	0.1	0.1	0.1	0.089	0.077	--	0.002	--	0.002	--
	Yield	417	439	333	333	333	297	213	--	400	--	500	--
Shravasti	Area	0.3	0.2	0.1	0.1	0.1	0.014	0.3	0.1	0.025	0.003	0.018	0.063
	Prod.	0.1	0.068	0.065	0.056	0.056	0.035	0.003	0.2	0.052	0.001	0.008	0.025
	Yield	333	340	650	560	560	350	214	667	520	333	444	397

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Siddharthnagar	Area	0.9	0.4	0.6	0.7	0.5	0.9	0.019	1.6	1.4	1.6	1.5	1.3
	Prod.	0.4	0.087	0.3	0.3	0.2	0.3	0.005	0.7	0.6	0.7	0.7	0.5
	Yield	444	218	500	429	400	333	263	438	429	438	467	385
Sitapur	Area	0.058	0.055	0.054	0.064	0.1	0.06	0.044	--	--	0.002	0.009	0.001
	Prod.	0.024	0.024	0.027	0.029	0.042	0.021	0.011	--	--	0.001	0.004	0.001
	Yield	414	436	500	453	420	350	250	--	--	500	444	1000
Sonbhadra	Area	8.3	7.8	7.8	6	7.2	4.6	1.6	4.8	5.2	5.6	5.4	5.2
	Prod.	3	3.3	3.4	1.9	2.4	1.4	0.6	1.6	1.7	3	3	3.1
	Yield	361	423	436	317	333	304	375	333	298	365	536	596
Sultanpur	Area	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.053	0.012	0.054
	Prod.	0.083	0.079	0.077	0.067	0.068	0.042	0.032	0.081	0.052	0.024	0.005	0.022
	Yield	415	395	385	670	340	420	320	405	520	453	417	467
U.S.NAGAR (Upto 2000)	Area	--	37.3	--	--	--	--	--	--	--	--	--	--
	Prod.	--	16.2	--	--	--	--	--	--	--	--	--	--
	Yield	--	434	--	--	--	--	--	--	--	--	--	--
Unnao	Area	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.078	0.1	0.061	0.026	0.094
	Prod.	0.1	0.079	0.1	0.08	0.08	0.051	0.033	0.035	0.063	0.027	0.012	0.038
	Yield	333	395	500	400	400	510	330	449	630	443	462	404
Varanasi	Area	0.006	0.019	0.012	0.003	0.007	--	--	0.001	0.006	0.018	0.002	0.001
	Prod.	0.002	0.004	0.006	0.002	0.003	--	--	0.001	0.002	0.001	0.008	0.001
	Yield	333	211	500	667	429	--	--	1000	333	444	500	--

West Bengal

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bankura	Area	0.049	0.028	0.073	0.005	0.078	0.008	0.1	0.004	0.016	0.003	0.001	0.146
	Prod.	0.012	0.008	0.014	0.001	0.016	0.001	0.017	--	0.001	0.001	0	0.043
	Yield	245	286	192	200	205	125	170	--	63	300	333	0	295
Bardhaman	Area	0.009	--	0.003	0.046	0.004	0.002	0.019	0.2	0.018	0.018	0.002	--
	Prod.	0.004	--	0.001	0.013	0.001	--	0.003	0.03	0.004	0.003	0.001	--
	Yield	444	--	333	283	250	--	158	150	222	333	167	500
Birbhum	Area	0.2	0.2	0.2	0.7	0.085	0.2	0.3	0.2	0.2	0.136	0.174	0.245
	Prod.	0.1	0.041	0.01	0.2	0.019	0.061	0.048	0.036	0.04	0.02	0.082	0.073
	Yield	500	205	50	286	224	305	160	180	200	123	147	298
Cooch Behar	Area	0.9	0.9	0.9	0.9	0.8	0.8	1	0.7	0.8	1.008	1.051	1.062
	Prod.	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.1	0.2	0.292	0.365	0.3
	Yield	333	222	222	222	125	125	300	143	250	290	347	285
Dakshin Dinajpur	Area	0.068	0.058	0.2	0.022	0.1	0.072	0.4	0.4	0.4	0.119	0.238	0.271
	Prod.	0.016	0.011	0.052	0.007	0.029	0.014	0.099	0.1	0.022	0.045	0.08	0.089
	Yield	235	190	260	318	290	194	248	250	55	378	336	330
Darjeeling	Area	0.063	0.067	0.1	0.1	0.1	0.1	0.096	0.086	0.088	0.083	0.08	0.088
	Prod.	0.017	0.015	0.025	0.029	0.023	0.019	0.021	0.015	0.014	0.017	0.028	0.031
	Yield	270	224	250	290	230	190	219	174	159	185	337	325
Jalpaiguri	Area	1.1	1	1.2	0.9	0.7	0.7	0.8	0.8	0.8	0.963	0.798	0.744
	Prod.	0.4	0.4	0.4	--	0.2	0.2	0.2	0.2	0.2	0.293	0.245	0.209
	Yield	364	400	333	--	286	286	250	250	250	304	307	286
Maldah	Area	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.1	0.092	0.057	0.073	0.134
	Prod.	0.082	0.094	0.1	0.2	0.1	0.2	0.1	0.081	0.061	0.05	0.041	0.036
	Yield	410	470	500	667	333	667	333	810	663	617	719	493

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Murshidabad	Area	1	0.6	0.6	0.5	0.3	0.1	0.2	0.022	0.014	0.098	0.121	0.125
	Prod.	0.3	0.2	0.3	0.2	0.1	0.025	0.1	0.007	0.004	0.041	0.036	0.044
	Yield	300	333	500	400	333	250	143	318	286	418	298	352
Nadia	Area	3.9	1.9	0.7	0.4	1.1	0.2	0.5	0.7	0.536	0.538	0.564	0.43
	Prod.	2.3	1.1	0.4	0.2	0.6	0.075	0.3	0.4	0.322	0.242	0.28	0.208
	Yield	590	579	571	500	546	375	600	571	601	450	496	484
North 24 Parganas	Area	0.2	--	--	0.1	0.015	0.028	0.01	0.061	--	0.035	--	--
	Prod.	0.071	--	--	0.032	0.006	0.008	0.003	0.014	--	0.012	--	--
	Yield	355	--	--	320	400	286	300	230	500	343	--	--
Paschim Medinipur	Area	--	--	--	0.018	0.009	--	--	0.024	--	--	0.011	0.014
	Prod.	--	--	--	0.005	0.002	--	--	0.002	--	--	0.003	0.004
	Yield	--	--	--	278	222	--	--	83	--	--	273	286
Purulia	Area	0.3	0.3	0.2	0.2	1.3	1.6	1.1	0.2	0.347	0.417	0.393	0.215
	Prod.	0.1	0.062	0.032	0.035	0.3	0.3	0.2	0.033	0.082	0.08	0.073	0.042
	Yield	333	207	160	175	231	188	182	165	205	192	186	195
South 24 Parganas	Area	0.003	--	0.004	--	0.002	--	0.003	0.2	0.077	0.16	0.162	0.144
	Prod.	0.001	--	0.002	--	0.001	--	0.001	0.037	0.035	0.056	0.064	0.059
	Yield	333	--	500	--	500	--	333	185	455	350	395	410
Uttar Dinajpur	Area	3.4	3.7	1.6	1.1	1.8	0.8	0.6	1	--	--	--	--
	Prod.	1	1.5	0.4	0.3	0.4	0.2	0.1	0.3	0.3	--	--	--
	Yield	294	405	250	273	222	250	167	300	273	--	--	--

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

Various states DES website and State Department of Agriculture websites

Note: Years in which data is not available are excluded

8 NIGER**8.1 All India Area, Production and Yield of Niger**

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Year	Area	Production	Yield
1964-65	487	97	199
1965-66	525	92	175
1966-67	473.4	78.6	166
1967-68	467.9	97.8	209
1968-69	440.9	89.4	203
1969-70	482.4	98.1	203
1970-71	488.6	127.7	261
1971-72	493.6	115.8	235
1972-73	466.8	92.5	198
1973-74	552.3	136	246
1974-75	621	132	213
1975-76	615.2	150.5	245
1976-77	568.1	113.3	199
1977-78	609.1	148.1	243
1978-79	612.1	146.5	239
1979-80	583.5	105.4	181
1980-81	598.7	146.1	244
1981-82	603.6	160.2	265
1982-83	497.9	117.6	236
1983-84	599.3	176.3	294
1984-85	590	148	251
1985-86	635	192.3	303
1986-87	586.9	131.2	224
1987-88	639.1	179.3	281
1988-89	604.3	177.7	294
1989-90	621.6	186.5	300
1990-91	611.2	186.3	305
1991-92	640.4	179.5	280
1992-93	584.7	161.8	277
1993-94	598.8	195.6	327
1994-95	591.7	190	321
1995-96	600.6	190	316
1996-97	522.8	149.9	287
1997-98	520.9	139.9	269
1998-99	494.8	139.6	282

Year	Area	Production	Yield
1999-00	480.1	150.3	313
2000-01	439.9	110	250
2001-02	478	129.9	272
2002-03	414.4	86.2	208
2003-04	431.7	108.9	252
2004-05	429.9	112.2	261
2005-06	414.4	108	261
2006-07	469	120.9	258
2007-08	407.6	109.5	269
2008-09	393.4	117	297
2009-10	375.5	99.9	266
2010-11	371	107.7	290
2011-12	278.7	66.3	238
2012-13	310.4	100.8	325
2013-14	298.7	97.8	327

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Co-operation and Farmers Welfare Ministry of Agriculture and Farmers Welfare, GOI - <http://eands.dacnet.nic.in/>

8.2 State-wise Area, Production and Yield of Niger

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Andhra Pradesh	Area	19	15	17.3	16.1	16	14	13	13	8	10	7	8	9
	Prod.	8	6	6.8	6.4	6	5	5	5	3	4	3	6	5
	Yield	421	400	393	398	375	357	385	385	375	400	429	750	556
Assam	Area	9	10	10	8.7	7.4	10.5	9	7.5	8.7	7.8	7.7	7.7	7.3
	Prod.	5	5	5	4.5	3.8	5	4	3.8	4.4	4	3.9	4.1	4.5
	Yield	556	500	500	517	514	476	444	507	506	513	506	532	616
Chhattisgarh	Area	74.6	72	74.4	71.5	73	73.8	72.3	71.3	71.5	66.7	69	64.2	65.1
	Prod.	14.3	11.5	13.1	11.9	12.3	13	12.9	12.8	11.5	11.5	11.9	11.4	11.8
	Yield	192	160	176	166	168	176	178	180	161	172	172	178	181
D & N Haveli	Area	0.1	0.1	0.1	0.1	0.1	0.1	0.1	--	0.2	0.08	0.1	--	0.1
	Prod.	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.06	0.08	--	0.08
	Yield	3000	1000	1000	1000	1000	1000	1000	--	500	750	800	--	800
Gujarat	Area	--	--	--	--	--	--	--	10	8	--	10	7	16
	Prod.	--	--	--	--	--	--	--	8	6	--	3	2	5
	Yield	--	--	--	--	--	--	--	800	750	--	300	286	313
Jammu & Kashmir	Area	--	--	--	--	--	--	--	--	--	--	0.008	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	0.004	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	500	--	--
Jharkhand	Area	22.8	5.9	7	4	3.8	5.9	3.8	2.6	4.6	24.6	5.5	4.6	3.9
	Prod.	16.6	1.3	1	1	0.8	0.9	1.1	1	1.6	7.8	2.3	2.4	1.9
	Yield	728	220	143	250	211	153	289	385	348	317	418	522	487
Karnataka	Area	36.2	29.3	27.5	33	30	27	31	25	26	23	21	12	14
	Prod.	7	5.6	5.2	6	6	5	6	9	8	8	7	3	3
	Yield	193	191	189	182	200	185	194	360	308	348	333	250	214

State	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Madhya Pradesh	Kharif	Area	110	103.3	103.2	110.9	105.7	117.1	117.4	116.3	114.9	106.5	117.8	86.9	74.5
		Prod.	24.8	17.7	23.9	26.3	23.7	25.9	26.4	26.6	24.5	23	20.7	29.8	27.5
		Yield	225	171	232	237	224	221	225	229	213	216	176	343	369
Maharashtra	Kharif	Area	56	54	54	54	54	100	47	38	33	35	37	40	40
		Prod.	14.5	14	17	17	14	24	13	10	7	8	12	12	13
		Yield	259	259	315	315	259	240	277	263	212	229	324	300	325
Odisha	Kharif	Area	115.2	98.1	110.6	107.3	103.2	99.8	94.8	92.2	89.3	85.7	--	76	64.8
		Prod.	27	15.6	25.6	28.6	32.2	33	32.4	32.6	27.5	35.7	--	27.4	23.3
		Yield	234	159	231	267	312	331	342	354	308	417	--	361	360
	Rabi	Area	--	--	--	--	--	--	--	--	7.6	7.6	--	--	--
		Prod.	--	--	--	--	--	--	--	--	3.9	3.1	--	--	--
		Yield	--	--	--	--	--	--	--	--	513	408	--	--	--
Total	Area	143.5	118	130.2	123.6	119.4	115.7	109.1	104.7	96.9	93.3	--	76	64.8	
	Prod.	35.8	21.4	31.8	34	38	38.8	37.8	37.4	31.4	38.8	--	27.4	23.3	
	Yield	249	181	244	275	318	335	346	357	324	416	--	361	360	
Tamil Nadu	Kharif	Area	--	--	--	--	--	--	--	--	0.3	0.05	--	--	
		Prod.	--	--	--	--	--	--	--	--	--	--	--	--	
		Yield	--	--	--	--	--	--	--	--	--	--	--	--	
West Bengal	Kharif	Area	6.8	6.8	8	8	5	4.9	4.9	5	3.7	3.7	3.6	4	4
		Prod.	3.6	3.6	5	5	3.3	3.2	3.2	3.2	3.3	2.4	2.5	2.4	2.8
		Yield	529	529	625	625	660	653	653	660	649	676	667	700	700
Total	Area	478	414.4	431.7	429.9	414.4	469	407.6	393.4	375.5	371	278.8	310.4	298.7	
	Prod.	129.9	86.2	108.9	112.2	108	120.9	109.5	117	99.9	107.7	66.3	100.9	97.9	
	Yield	272	208	252	261	261	258	269	297	266	290	238	325	328	

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Co-operation and Farmers Welfare Ministry of Agriculture and Farmers Welfare, GOI - <http://eands.dacnet.nic.in/>

8.3 District-wise Area, Production and Yield of Niger

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Andhra Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
East Godavari	Area	0.4	0.1	0.2	0.098	0.1	0.07	--	0.03	0.001	0.001	--	--
	Prod.	0.09	0.027	0.063	0.026	0.042	0.025	--	0.013	--	--	--	--
	Yield	225	270	315	265	420	357	--	433	338	--	--	--
Medak	Area	0.2	0.063	0.064	0.052	--	--	--	--	--	--	--	--
	Prod.	0.063	0.024	0.025	0.02	--	--	--	--	--	--	--	--
	Yield	315	381	391	385	--	--	--	--	--	--	--	--
Prakasam	Area	--	0.8	0.068	0.1	--	--	--	--	--	--	--	--
	Prod.	--	0.3	0.027	0.049	--	--	--	--	--	--	--	--
	Yield	--	375	397	490	--	--	--	--	--	--	--	--
Ranga Reddy	Area	0.9	0.4	0.6	0.6	0.5	0.4	--	0.063	0.015	0.005	--	--
	Prod.	0.4	0.1	0.2	0.2	0.2	0.2	--	0.028	0.006	0.002	--	--
	Yield	444	250	333	333	400	500	--	444	400	400	--	--
Visakhapatnam	Area	17.3	13.1	16	14.4	14.6	13.5	--	12.2	9.9	6.8	8.3	8.721
	Prod.	7.3	5	6.3	5.5	5.5	4.8	--	5.3	3.8	2.5	5.8	4.411
	Yield	422	382	394	382	377	356	--	434	384	368	699	506
Vizianagaram	Area	0.4	0.5	0.4	0.4	0.6	0.5	--	0.2	0.1	0.043	0.018	0.098
	Prod.	0.2	0.2	0.1	0.3	0.4	0.3	--	0.1	0.064	0.015	0.01	0.042
	Yield	500	400	250	750	667	600	--	500	480	349	556	429

Assam

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2009-10	2010-11
Baksa	Area	--	--	--	0.5	0.6	0.5	0.5	0.5
	Prod.	--	--	--	0.3	0.3	0.3	0.3	0.3
	Yield	--	--	--	600	500	600	600	600
Barpeta	Area	1	1.1	1.1	0.9	0.8	0.8	1.4	1.8
	Prod.	0.5	0.6	0.6	0.5	0.4	0.4	0.7	0.9
	Yield	500	546	546	556	500	500	500	500
Bongaigaon	Area	0.4	0.5	0.4	0.4	0.3	0.3	0.3	0.3
	Prod.	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
	Yield	500	400	500	500	333	667	667	667
Cachar	Area	0.024	0.024	0.026	0.029	0.03	0.03	0.016	0.018
	Prod.	0.01	0.01	0.011	0.015	0.015	0.014	0.007	0.009
	Yield	417	417	423	517	500	467	438	500
Chirang	Area	--	--	--	--	0.013	0.2	0.5	0.4
	Prod.	--	--	--	--	0.007	0.1	0.2	0.2
	Yield	--	--	--	--	539	333	480	400
Darrang	Area	0.3	0.8	0.8	0.8	0.2	0.2	0.3	0.3
	Prod.	0.2	0.4	0.4	0.4	0.098	0.1	0.1	0.2
	Yield	667	500	500	500	490	500	500	667
Dhemaji	Area	0.05	0.05	0.05	0.055	0.058	0.05	0.05	0.05
	Prod.	0.026	0.026	0.026	0.028	0.03	0.026	0.026	0.025
	Yield	520	520	520	509	517	520	520	500
Dhubri	Area	1.7	1.7	1.7	1.8	1.2	1.1	0.6	0.4
	Prod.	0.9	0.9	0.9	0.9	0.6	0.6	0.3	0.2
	Yield	529	529	529	500	500	546	500	500

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2009-10	2010-11
Dibrugarh	Area	--	--	--	--	0.009	--	--	0.008
	Prod.	--	--	--	--	0.005	--	--	0.004
	Yield	--	--	--	--	556	--	--	500
Dima Hasao	Area	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
	Prod.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Yield	1000	1000	1000	1000	1000	1000	500	500
Goalpara	Area	1	0.9	0.9	1	1	1	0.9	1.1
	Prod.	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
	Yield	500	556	556	500	500	500	556	546
Golaghat	Area	0.011	0.011	0.013	0.01	0.009	0.007	0.017	0.006
	Prod.	0.005	0.005	0.005	0.005	0.005	0.004	0.008	0.003
	Yield	455	455	385	500	455	444	571	500
Hailakandi	Area	--	--	--	--	0.03	0.007	0.014	0.025
	Prod.	--	--	--	--	0.015	0.004	0.007	0.013
	Yield	--	--	--	--	500	571	500	520
Kamrup	Area	1.6	1.7	1.5	0.6	0.7	0.7	0.5	0.4
	Prod.	0.8	0.8	0.8	0.3	0.3	0.4	0.2	0.2
	Yield	500	471	533	500	500	571	400	500
Kamrup Metropolitan	Area	--	--	--	--	0.027	0.041	0.027	0.03
	Prod.	--	--	--	--	0.014	0.021	0.014	0.015
	Yield	--	--	--	--	519	512	519	500
Karbi Anglong	Area	0.045	0.041	0.059	0.056	0.3	0.3	0.3	0.2
	Prod.	0.026	0.021	0.031	0.029	0.2	0.1	0.1	0.094
	Yield	578	512	525	518	667	333	333	470
Kokrajhar	Area	0.6	1.1	1	1	0.9	0.7	1	0.9
	Prod.	0.3	0.5	0.5	0.5	0.4	0.4	0.5	0.4
	Yield	500	455	500	500	444	571	500	444

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2009-10	2010-11
Lakhimpur	Area	0.012	0.008	0.007	0.007	0.007	0.007	0.006	0.02
	Prod.	0.006	0.004	0.006	0.004	0.004	0.004	0.003	0.01
	Yield	500	500	857	571	571	571	500	500
Morigaon	Area	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
	Prod.	0.06	0.06	0.068	0.06	0.068	0.075	0.064	0.07
	Yield	600	600	680	600	680	375	640	700
Nagaon	Area	0.3	0.3	0.3	0.2	0.3	0.4	0.5	0.4
	Prod.	0.2	0.2	0.1	0.097	0.1	0.2	0.2	0.2
	Yield	667	667	333	485	333	500	400	500
Nalbari	Area	1.6	1.5	1.5	1.5	0.4	1.5	0.1	0.1
	Prod.	0.8	0.8	0.8	0.8	0.2	0.7	0.055	0.068
	Yield	500	533	533	533	500	539	550	680
Sivasagar	Area	--	--	--	--	0.1	--	--	0.001
	Prod.	--	--	--	--	0.053	--	--	0.001
	Yield	--	--	--	--	530	--	--	1000
Sonitpur	Area	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.3
	Prod.	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2
	Yield	500	500	500	667	500	667	500	667
Tinsukia	Area	0.002	0.003	0.003	0.003	0.003	0.06	0.035	0.026
	Prod.	0.001	0.001	0.001	0.001	0.001	0.028	0.017	0.013
	Yield	500	333	333	333	333	467	486	500
Udalguri	Area	--	--	--	--	0.8	0.8	0.3	0.4
	Prod.	--	--	--	--	0.4	0.4	0.1	0.2
	Yield	--	--	--	--	500	500	333	500

Chhattisgarh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	
Bastar	Area	16.2	14.8	15.5	15.1	14.9	13.2	13	12.5	12	12.2	9.4
	Prod.	3.8	2.6	3.2	3.2	3.1	2.9	3	2.6	2.2	2.6	1.9
	Yield	235	176	207	212	208	220	231	208	183	213	202
Bilaspur	Area	0.8	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.3	0.4
	Prod.	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.081	0.085
	Yield	250	143	286	167	286	167	167	167	167	270	213
Dantewada	Area	0.7	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4
	Prod.	0.1	0.072	0.1	0.099	0.071	0.083	0.099	0.079	0.055	0.1	0.082
	Yield	143	144	200	198	178	208	198	158	110	200	205
Dhamtari	Area	0.003	--	0.003	--	--	--	--	--	--	0.033	0.012
	Prod.	0.001	--	0.001	--	--	--	--	--	--	0.006	0.002
	Yield	333	--	333	--	--	--	--	--	--	182	167
Durg	Area	--	--	--	--	0.001	0.005	--	0.091	0.001	--	--
	Prod.	--	--	--	--	--	0.001	--	0.016	--	--	--
	Yield	--	--	--	--	--	200	--	176	--	--	--
Janjgir-Champa	Area	--	--	--	--	--	--	0.087	--	--	--	--
	Prod.	--	--	--	--	--	--	0.021	--	--	--	--
	Yield	--	--	--	--	--	--	241	--	--	--	--
Jashpur	Area	23.1	22.6	23.4	23	23.1	24	23.3	23.3	21.5	21.4	21.1
	Prod.	3.9	3.6	3.7	3.6	3.5	3.9	3.8	3.9	3.6	3.4	3.6
	Yield	169	159	158	157	152	163	163	167	167	159	171
Kabirdham (formerly Kawardha)	Area	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.4	0.3
	Prod.	0.047	0.06	0.056	0.058	0.055	0.059	0.05	0.082	0.061	0.07	0.055
	Yield	235	300	187	193	183	197	167	164	203	175	183

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Kanker	Area	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.5
	Prod.	0.1	0.053	0.1	0.099	0.1	0.1	0.1	0.1	0.095	0.099
	Yield	167	106	200	198	167	200	200	200	200	238	198
Korba	Area	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Prod.	0.081	0.066	0.076	0.073	0.093	0.098	0.1	0.089	0.099	0.094
	Yield	270	220	253	183	233	245	250	223	248	235
Koriya	Area	2.3	2	2	2	2.1	2	2.1	2.2	2.1	2.4
	Prod.	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4
	Yield	174	150	150	150	143	150	191	136	191	167
Mahasamund	Area	--	--	--	0.003	0.001	--	0.001	0.001	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--
Raigarh	Area	1.3	1.4	1.4	1.3	1.4	1.4	1.4	1.3	1.3	1.3
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Yield	154	143	143	154	143	143	143	154	154	154
Raipur	Area	0.1	0.09	0.08	0.048	0.066	0.063	0.047	0.031	0.022	--
	Prod.	0.018	0.015	0.013	0.008	0.011	0.011	0.008	0.005	0.004	--
	Yield	180	167	163	167	167	175	170	161	182	--
Rajnandgaon	Area	0.003	0.004	0.004	0.01	0.004	0.055	0.055	--	0.001	0.001
	Prod.	0.001	0.001	0.001	0.002	0.001	0.011	0.01	--	--	--
	Yield	333	250	250	200	250	167	182	--	--	--
Surguja	Area	28.9	28.9	29.6	29.2	29	29.1	28.2	27.9	27.8	9.9
	Prod.	5.3	4.5	5	4.5	4.7	4.8	4.9	4	4.4	1.5
	Yield	183	156	169	154	162	165	174	143	158	152

Karnataka

District	2011-12	2010-11	2011-12	2012-13	2013-14
Bagalkot	Area	0.2	0.1	0.2	0.106
	Prod.	0.025	0.018	0.034	0.023
	Yield	125	180	115	242
Bangalore Rural	Area	2.6	1.5	1.6	0.316
	Prod.	0.6	0.4	0.4	0.076
	Yield	231	267	250	221
Bangalore Urban	Area	0.6	0.4	0.6	0.161
	Prod.	0.2	0.089	0.2	0.032
	Yield	333	223	333	221
Belgaum	Area	0.5	1.1	0.5	0.281
	Prod.	0.1	0.2	0.1	0.03
	Yield	200	182	200	107
Bellary	Area	1.3	0.8	0.6	1.179
	Prod.	0.3	0.2	0.2	0.281
	Yield	231	250	250	241
Bidar	Area	5.8	6	6.3	0.321
	Prod.	0.7	0.7	0.7	0.07
	Yield	121	117	111	221
Channaraynagar	Area	0.7	1.3	1.1	0.431
	Prod.	0.1	0.3	0.2	0.094
	Yield	143	231	182	221
Chikkaballapur	Area	--	--	--	0.079
	Prod.	--	--	--	0.017
	Yield	--	--	--	221
Chikkamagaluru	Area	0.9	0.7	0.6	0.129
	Prod.	0.2	0.2	0.2	0.028
	Yield	222	286	333	297

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Chitradurga	Area	0.7	0.3	0.4	0.3	0.6	0.6	0.5	0.5	0.192	0.074	0.081	0.006
	Prod.	0.2	0.089	0.1	0.099	0.2	0.2	0.2	0.092	0.067	0.02	0.019	0.001
	Yield	286	297	250	330	333	333	400	307	385	353	242	221
Davanagere	Area	0.7	0.9	0.6	0.5	0.7	0.6	0.5	0.7	0.4	0.329	0.179	0.127
	Prod.	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.106	0.043	0.028
	Yield	286	333	333	400	286	333	400	286	250	332	242	221
Dharwad	Area	0.2	0.3	0.2	0.4	0.4	0.6	0.6	0.4	0.3	0.178	0.189	0.408
	Prod.	0.058	0.079	0.046	0.098	0.1	0.1	0.2	0.2	0.074	0.113	0.045	0.089
	Yield	290	263	230	245	250	167	333	500	247	326	242	221
Gadag	Area	0.7	0.8	0.3	0.6	1.1	0.7	1	0.5	1	0.858	0.208	0.453
	Prod.	0.2	0.2	0.063	0.2	0.3	0.2	0.3	0.2	0.4	0.3	0.362	0.099
	Yield	286	250	210	333	273	286	300	400	400	353	400	221
Gulbarga	Area	1.7	1	2	1.9	1.6	1.5	1.6	1.2	1	1.034	0.304	0.532
	Prod.	0.2	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.224	0.073	0.116
	Yield	118	100	100	105	125	133	250	333	200	219	242	221
Hassan	Area	6.1	4	2.7	5	4.7	4.2	3.8	3.1	3.619	1.687	2.556	3.367
	Prod.	1.1	0.7	0.5	0.9	0.8	0.7	1.4	1.4	1.4	1.673	0.458	0.473
	Yield	180	175	185	180	170	167	368	452	452	467	181	142
Haveri district	Area	1.6	0.9	0.7	0.8	0.6	0.7	0.6	0.6	0.4	0.379	0.282	0.275
	Prod.	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.094	0.068	0.06
	Yield	250	222	286	250	333	286	167	333	500	251	242	221
Kolar	Area	1.1	0.4	0.8	0.8	0.5	0.5	0.2	0.7	0.2	0.289	0.164	0.135
	Prod.	0.2	0.092	0.2	0.2	0.1	0.1	0.065	0.2	0.078	0.101	0.039	0.03
	Yield	182	230	250	250	200	200	325	286	390	353	242	221
Koppal	Area	2.1	1.3	1.1	1.5	1.7	1.4	1.4	0.7	1.6	0.808	0.548	0.395
	Prod.	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.5	0.291	0.141	0.102
	Yield	143	154	91	133	118	143	143	286	313	223	260	260

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mandya	Area	2.8	1.1	1.4	2.1	0.5	1.4	1.8	1.8	1.96	1.678	0.928	0.869
	Prod.	0.5	0.2	0.3	0.4	0.1	0.5	0.6	0.8	0.863	0.447	0.247	0.286
	Yield	179	182	214	191	200	357	333	444	445	269	269	332
Mysore	Area	3.3	4.2	3.6	3.7	4.9	6.5	3.1	2.8	2.18	2.017	0.644	1.572
	Prod.	0.7	0.9	0.7	0.8	1	3.4	1	1.2	1.019	0.751	0.24	0.585
	Yield	212	214	194	216	204	523	323	429	472	376	376	376
Raichur	Area	0.015	0.073	0.057	0.02	0.009	0.072	0.012	--	0.026	0.044	--	--
	Prod.	0.002	0.01	0.007	0.003	0.001	0.009	0.004	--	0.009	0.012	--	--
	Yield	133	137	123	150	111	125	333	--	353	275	--	--
Ramanagara	Area	--	--	--	--	--	1	1.3	1.4	0.967	0.916	0.617	0.975
	Prod.	--	--	--	--	--	0.4	0.4	0.4	0.321	0.249	0.148	0.213
	Yield	--	--	--	--	--	400	308	286	335	275	242	221
Shimoga	Area	0.2	0.2	0.1	0.1	0.098	0.078	0.072	0.049	0.057	0.017	0.008	0.108
	Prod.	0.058	0.047	0.032	0.032	0.025	0.029	0.025	0.017	0.02	0.005	0.002	0.024
	Yield	290	235	320	320	255	372	347	347	353	275	242	221
Tumkur	Area	2.1	1.5	1.6	1.8	1.7	1.4	1.9	1.5	1.245	1.1	1.131	1.048
	Prod.	0.6	0.4	0.5	0.5	0.5	0.5	0.7	0.5	0.407	0.267	0.274	0.153
	Yield	286	267	313	278	294	357	368	333	330	245	245	147
Vijayapura	Area	0.2	0.4	0.1	0.8	0.3	1.3	0.1	0.9	--	--	--	--
	Prod.	0.033	0.064	0.02	0.1	0.038	0.2	0.026	0.2	--	--	--	--
	Yield	165	160	200	125	127	182	154	260	222	--	--	--

Madhya Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Anuppur	Area	--	--	11.6	11.6	11.8	10.8	9.9	10.9	9.9	10	9	8
	Prod.	--	--	3.3	3.4	3.6	2.6	2.7	2.1	1.5	1.9	5	3.6
	Yield	--	--	285	293	305	241	273	193	152	190	556	450

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ashok Nagar	Area	--	0.036	0.053	0.049	0.053	0.041	0.005	0.007	--	--	--	--
	Prod.	--	0.007	0.011	0.01	0.011	0.009	0.001	0.001	--	--	--	--
	Yield	--	194	208	204	208	220	200	143	--	--	--	--
Balaghat	Area	0.1	0.068	0.1	0.2	0.1	0.1	0.08	0.096	0.091	0.098	0.098	0.1
	Prod.	0.024	0.023	0.011	0.017	0.028	0.017	0.014	0.016	0.015	0.014	0.016	0.022
	Yield	240	230	162	170	140	200	170	167	165	143	163	220
Betul	Area	10.4	9.5	11.6	10.9	19	19.4	22.7	19.4	19	19	15.7	9.4
	Prod.	2.3	2.1	2.6	2.4	4.5	4.9	5.9	4.9	4.9	4.1	4.5	2.8
	Yield	221	221	224	220	237	244	253	260	253	216	287	298
Bhind	Area	0.004	0.008	0.002	--	--	--	--	--	--	--	--	--
	Prod.	0.001	--	--	--	--	--	--	--	--	--	--	--
	Yield	250	--	--	--	--	--	--	--	--	--	--	--
Chhatarpur	Area	0.04	0.029	0.066	0.099	0.037	--	0.016	0.086	0.007	--	--	--
	Prod.	0.006	0.003	0.007	0.013	0.005	--	0.002	0.011	0.001	--	--	--
	Yield	150	103	106	131	132	135	--	125	143	--	--	--
Chhindwara	Area	24.6	23.6	21.6	18.4	17.8	17	14.9	14.3	14.6	13.4	11	8.9
	Prod.	5.3	2.6	4.1	3.9	3.2	4	4.3	3.3	3.3	3.2	3.6	4.1
	Yield	215	110	190	212	180	216	253	215	231	239	327	461
Damoh	Area	0.006	0.001	0.002	--	0.01	0.06	0.004	0.003	--	--	--	--
	Prod.	0.001	--	--	--	0.001	0.009	0.001	0.001	--	--	--	--
	Yield	167	--	--	--	100	150	250	333	--	--	--	--
Dindori	Area	28.1	27.2	27.6	27	26.9	25.3	25.6	25.6	24.3	23.4	22.3	21.8
	Prod.	5.1	3.5	5.7	6	4.9	4.8	4.6	4.7	4.4	2.8	6.6	7.3
	Yield	182	129	207	222	181	178	182	188	184	120	296	335
Guna	Area	0.7	0.3	0.1	0.076	--	0.082	0.047	0.065	0.028	--	--	--
	Prod.	0.1	0.03	0.024	0.016	--	0.016	0.01	0.013	0.004	--	--	--
	Yield	143	100	240	211	--	195	213	200	138	--	--	--

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Harda	Area	0.002	0.002	0.002	0.049	--	0.002	0.04	0.005	--	--	--	--
	Prod.	0.001	0.001	0.001	0.011	--	--	0.009	0.001	--	--	--	--
	Yield	500	500	500	225	--	--	225	200	--	--	--	--
Hoshangabad	Area	0.001	--	--	0.005	--	0.009	0.004	--	--	--	--	--
	Prod.	--	--	--	0.002	--	0.003	0.001	--	--	--	--	--
	Yield	--	--	--	400	--	333	250	--	--	--	--	--
Jabalpur	Area	5.7	5.6	5.6	6.2	5.9	5.7	6.3	5.5	5.5	5.7	5.9	5.7
	Prod.	1.4	0.9	1.6	2	1.7	1	1.4	1.2	1.4	1.1	1.7	1.9
	Yield	246	161	286	323	288	186	175	222	218	193	288	333
Katni	Area	0.058	0.041	0.043	0.075	0.008	--	0.012	--	0.006	--	--	0.025
	Prod.	0.012	0.005	0.01	0.016	0.001	0.001	--	0.001	--	0.001	--	0.003
	Yield	207	122	233	213	125	44	--	83	--	167	--	120
Khandwa (East Nimar)	Area	0.002	--	0.017	0.019	--	0.002	--	--	--	--	--	--
	Prod.	--	--	0.004	0.004	--	--	--	--	--	--	--	--
	Yield	--	--	235	211	--	--	--	--	--	--	--	--
Mandla	Area	7.9	7.9	7.9	8.1	8.2	8.3	8.3	8.2	7.9	7.4	5	5.8
	Prod.	1.6	1.4	1.7	1.8	1.6	1.7	1.7	1.5	1.6	1	1	2.1
	Yield	203	177	215	222	195	205	205	183	203	135	200	362
Narsinghpur	Area	0.4	0.3	0.2	0.3	0.2	0.4	0.2	0.065	0.093	0.097	0.012	0.036
	Prod.	0.2	0.1	0.096	0.1	0.096	0.078	0.2	0.088	0.039	0.036	0.005	0.011
	Yield	500	333	480	333	480	390	500	340	415	371	417	306
Panna	Area	--	0.012	0.006	0.023	0.2	0.05	0.018	0.086	0.1	0.1	0.029	0.051
	Prod.	--	0.001	0.001	0.003	0.039	--	0.008	0.015	0.026	0.018	0.007	0.012
	Yield	--	83	167	130	195	--	160	174	260	180	241	235
Raisen	Area	0.025	0.034	0.024	0.004	0.012	0.009	0.02	0.016	0.005	--	0.015	--
	Prod.	0.01	0.013	0.01	0.002	0.005	0.004	0.009	0.007	0.002	--	0.005	--
	Yield	400	382	417	500	417	444	450	438	400	--	333	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ratlam	Area	0.001	0.002	0.001	--	--	--	--	0.002	--	--	--	--
	Prod.	--	0.001	--	--	--	--	--	0.001	--	--	--	--
	Yield	--	500	500	--	--	--	--	500	--	--	--	--
Rewa	Area	0.003	--	--	0.001	0.008	0.013	0.011	0.012	0.015	0.013	0.011	0.014
	Prod.	--	--	--	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.003
	Yield	--	--	--	111	125	77	91	167	133	77	91	214
Sagar	Area	0.5	0.4	0.4	0.5	0.3	0.5	0.2	0.2	0.1	0.2	0.1	1.1
	Prod.	0.085	0.046	0.082	0.088	0.1	0.06	0.1	0.036	0.025	0.027	0.055	0.2
	Yield	170	115	205	176	200	200	200	180	250	135	550	182
Satna	Area	0.001	0.001	--	0.002	0.028	0.028	0.047	0.017	--	0.002	--	--
	Prod.	--	--	--	--	0.001	0.004	0.009	0.003	--	--	--	--
	Yield	--	--	--	--	250	179	143	177	--	--	--	--
Seoni	Area	12.6	11	10.2	9.2	8.4	7.8	7.2	6.8	6.2	5.5	4.9	4.5
	Prod.	2.7	1.8	2.3	1.9	1.7	1.7	1.6	1.5	1.3	0.8	0.5	1
	Yield	214	164	226	207	185	214	218	221	210	146	102	222
Shahdol	Area	12.9	11.9	0.5	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.5
	Prod.	3.7	3.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.086	0.2	0.3
	Yield	287	269	200	286	333	400	333	400	400	215	500	600
Shajapur	Area	--	--	--	--	0.002	--	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--
Sheopur	Area	--	0.002	--	--	--	--	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--
Shivpuri	Area	0.1	0.03	0.028	0.008	0.013	0.016	0.005	0.003	--	--	--	--
	Prod.	0.022	0.001	0.007	0.002	0.001	0.004	0.001	0.001	--	--	--	--
	Yield	220	33	250	250	167	231	250	200	333	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sidhi	Area	3	2.5	2.7	2.4	2.5	2.7	2.4	0.1	0.034	0.052	0.036	0.044
	Prod.	1.3	1	1.1	1	1	1	1	0.047	0.014	0.014	0.011	0.017
	Yield	433	400	407	417	400	407	417	500	470	269	306	386
Ujjain	Area	0.001	--	--	--	--	--	--	--	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--
Umaria	Area	2.1	2	2.1	2	1.9	1.9	1.9	1.6	1.4	1.5	1.4	1.2
	Prod.	0.5	0.5	0.6	0.5	0.6	0.5	0.4	0.5	0.4	0.3	0.5	0.4
	Yield	238	250	286	250	316	263	211	235	313	200	357	333
Vidisha	Area	--	0.068	0.012	0.065	0.024	0.005	--	0.005	--	--	--	--
	Prod.	--	0.01	0.002	0.011	0.005	0.002	0.001	--	0.001	--	--	--
	Yield	--	147	167	169	208	182	200	--	200	--	--	--

Maharashtra

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	
Ahmednagar	Area	2.2	2.6	2.1	2.5	2.3	2.7	--	1.4	1.9	1.9	1.9	2
	Prod.	0.4	0.7	0.6	0.8	0.7	0.7	--	0.4	0.5	0.7	0.7	0.7
	Yield	182	269	286	320	304	259	--	286	263	368	352	325
Aurangabad	Area	0.4	0.4	0.4	0.4	0.4	0.4	--	0.1	0.1	0.1	0.1	0.1
	Prod.	0.1	0.1	0.1	0.1	0.1	0.1	--	0.1	0.016	--	0.02	0.02
	Yield	250	250	250	250	250	250	--	1000	160	--	237	221
Beed	Area	2.2	2.1	1.7	2	2	2	--	0.8	0.8	0.8	0.6	0.6
	Prod.	0.4	0.5	0.3	0.4	0.4	0.4	--	0.1	0.1	0.2	0.1	0.1
	Yield	182	238	177	200	200	200	--	125	125	250	237	221
Dhule	Area	0.5	0.1	--	--	0.1	0.1	--	0.1	--	--	--	--
	Prod.	0.2	0.1	--	--	0.1	0.1	--	0.1	--	--	--	--
	Yield	400	1000	--	--	1000	1000	--	1000	--	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Hingoli	Area	0.1	0.6	0.6	0.3	0.5	--	0.5	0.3	0.3	0.4	0.3
	Prod.	0.1	0.1	0.2	0.1	0.1	--	0.1	0.1	0.1	0.1	0.1
	Yield	1000	167	333	167	333	200	--	200	333	282	199
Jalna	Area	1	1.1	1.2	1.1	1.1	--	0.2	0.4	0.2	0.1	0.1
	Prod.	0.2	0.3	0.2	0.2	0.2	--	0.1	0.1	0.1	0.02	0.02
	Yield	200	273	167	182	200	182	--	500	250	237	221
Kolhapur	Area	2.2	2.3	2.9	2.3	1.7	--	1.1	0.8	0.8	1.5	0.5
	Prod.	0.4	0.6	0.9	0.7	0.5	0.4	--	0.3	0.2	0.5	0.2
	Yield	182	261	310	304	294	267	--	273	250	352	325
Latur	Area	9.7	9.5	8.8	8.3	9.2	--	4.8	1.2	1.8	1.7	1.7
	Prod.	1.5	1.8	1.8	1.2	2	1.3	--	0.8	0.1	0.3	0.5
	Yield	155	190	205	145	217	148	--	167	83	167	269
Nanded	Area	1.5	2.2	2.3	1.4	1.6	--	1.3	0.9	1.1	0.8	0.5
	Prod.	0.3	0.3	0.6	0.3	0.4	0.3	--	0.2	0.1	0.2	0.1
	Yield	200	136	261	214	250	158	--	154	111	282	199
Nandurbar	Area	0.2	0.1	0.1	0.1	0.1	--	0.1	--	--	--	--
	Prod.	0.1	0.01	0.1	0.1	0.1	--	0.1	--	--	--	--
	Yield	500	100	1000	1000	1000	--	1000	--	--	--	--
Nashik	Area	20.2	16.6	16.9	16.9	17.1	--	16.3	13.8	12.3	15.8	21.7
	Prod.	7	4.8	6.8	6.7	4.5	4.1	--	4.9	3	5	7.1
	Yield	347	289	402	396	263	241	--	301	217	316	25
Osmanabad	Area	4.5	5.1	5.7	6.4	6.1	--	2.1	2	4.6	4.2	3.6
	Prod.	0.9	1.6	2.1	2.1	1.4	1.3	--	0.5	0.5	1.1	0.6
	Yield	200	314	368	328	230	213	--	238	250	268	172
Parbhani	Area	2.4	2.5	2.4	2.4	2	--	1.8	1.7	1.8	1.8	1
	Prod.	0.4	0.5	0.6	0.5	0.4	0.4	--	0.3	0.3	0.4	0.2
	Yield	167	200	250	208	200	191	--	167	177	282	199

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Pune	Area	2.1	2.1	2.2	2.4	2.6	--	1.8	3	2	2	2.6
	Prod.	0.4	0.5	0.6	0.8	0.7	--	0.5	0.8	0.7	0.7	0.9
	Yield	191	238	300	318	333	269	--	278	267	350	359	328
Raigad	Area	0.3	0.3	0.3	0.3	0.3	--	0.3	0.3	0.4	0.4	--
	Prod.	0.1	0.1	0.1	0.1	0.1	--	0.1	0.1	0.1	0.1	--
	Yield	333	333	333	333	333	--	333	333	250	316	--
Ratnagiri	Area	2	2	2	2.1	1.8	--	2	2	2.2	2.2	2.2
	Prod.	0.7	0.6	0.8	0.6	0.4	--	0.6	0.4	0.3	0.7	0.7
	Yield	350	300	400	381	286	222	--	300	200	136	316	325
Sangli	Area	0.5	0.2	0.2	0.6	0.9	--	0.1	0.1	0.2	0.2	0.1
	Prod.	0.1	0.1	0.1	0.2	0.3	--	0.1	0.022	0.1	0.1	0.03
	Yield	200	500	500	333	333	250	--	1000	220	500	352	325
Satara	Area	1.8	1.8	1.7	2.2	1.7	--	1.1	1.6	1.6	1.2	1.1
	Prod.	0.3	0.5	0.5	0.7	0.5	--	0.3	0.3	0.6	0.4	0.4
	Yield	167	278	294	318	294	263	--	273	188	375	352	325
Sindhudurg	Area	0.1	0.1	0.2	0.2	0.2	--	0.2	0.1	0.2	0.1	0.1
	Prod.	0.1	0.01	0.1	0.1	0.1	--	0.1	0.022	--	0.03	0
	Yield	1000	100	500	500	500	500	--	500	220	--	316	325
Solapur	Area	0.1	0.1	0.1	0.2	0.1	--	0.1	--	0.1	0.1	0.1
	Prod.	0.1	0.01	0.1	0.1	0.1	--	0.02	--	--	0	0.02
	Yield	1000	100	1000	500	1000	500	--	200	--	--	171	188
Thane	Area	2	2	2	2	2.1	--	1.8	2	2.3	2.3	2
	Prod.	0.7	0.6	0.8	0.8	0.6	--	0.5	0.4	0.3	0.7	0.7
	Yield	350	300	400	400	286	250	--	278	200	130	316	325

Odisha

District	2001-02	2002-03	2003-04	2004-05	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Angul	Area	0.5	0.4	0.4	0.26	0.31	0.4	0.46	0.44	0.39	0.52	0.67
	Prod.	0.2	0.2	0.2	0.025	0.16	0.21	0.25	0.24	0.22	0.21	0.26
	Yield	400	500	500	125	516	525	543	545	564	404	388
Bargarh (Baragarh)	Area	0.02	--	--	--	--	--	--	--	--	--	10.56
	Prod.	0.01	--	--	--	--	--	--	--	--	--	3.48
	Yield	500	--	--	--	--	--	--	--	--	--	330
Boudh (Bauda)	Area	0.2	--	--	--	--	--	--	--	--	--	3.05
	Prod.	0.04	--	--	--	--	--	--	--	--	--	1.07
	Yield	200	--	--	--	--	--	--	--	--	--	351
Debagarh (Deogarh)	Area	0.35	0.1	0.3	0.3	0.1	--	--	--	0.001	--	0.04
	Prod.	0.12	0.05	0.1	0.1	0.04	--	--	--	--	--	0.02
	Yield	343	500	333	333	400	--	--	--	--	--	500
Gajapati	Area	3.6	5	5.2	4.5	4.85	4.01	3.32	2.9	1.86	1.69	--
	Prod.	1.7	2.6	2.5	2.2	2.36	1.99	1.68	1.39	0.84	0.7	--
	Yield	472	520	481	489	487	496	506	459	479	452	414
Ganjam	Area	0.76	0.4	0.5	0.3	0.05	0.05	0.06	0.01	0.01	0.03	0.04
	Prod.	0.33	0.24	0.2	0.1	0.02	0.02	0.02	0.01	0.01	0.01	0.02
	Yield	434	600	400	333	400	400	333	333	1000	1000	333
Kalahandi	Area	6.7	6.4	7.8	7.8	6.21	6.99	7.57	7.47	6.93	6.04	--
	Prod.	2.5	2.2	3.1	3.8	3.65	4.03	3.83	5.29	5.11	2.61	--
	Yield	373	344	397	487	588	577	506	666	708	737	432
Kandhamal	Area	11.6	7.8	10.6	11	--	--	--	--	1.5	--	--
	Prod.	2.3	1.3	2.3	2.4	--	--	--	--	0.3	--	--
	Yield	198	167	217	218	--	--	--	--	200	--	--
Kendujhar (Keonjhar)	Area	25.4	22.7	20.8	21.8	15.81	15.51	15.63	12.92	12.49	12.21	5.49
	Prod.	4.7	1.8	5.2	4.2	3.34	3.54	3.98	4.11	3.86	4.49	2.33
	Yield	185	79	250	193	211	228	255	335	253	309	368

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District	2001-02	2002-03	2003-04	2004-05	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Koraput	Area	43.5	39.5	46	43.4	43.63	42.72	41.92	38.59	38.14	34.11	27.98	10.91
	Prod.	9.3	6.1	9.4	11.1	15.96	16.32	16.09	9.8	16.55	12.31	10.3	3.58
	Yield	214	154	204	256	366	382	384	254	434	361	368	328
Malkangiri	Area	1.6	1.6	1.2	1.4	0.82	1.08	1.11	1.11	1.02	0.97	0.97	--
	Prod.	0.2	0.4	0.2	0.4	0.32	0.23	0.39	0.42	0.4	0.38	0.37	--
	Yield	125	250	167	286	390	213	351	378	392	392	381	--
Mayurbhanj	Area	13.8	7.6	9.9	9	9.35	6.22	6.28	5.44	4.88	4.44	2.9	22.9
	Prod.	3.8	1.8	2.6	2.4	2.72	1.87	2.19	1.93	1.71	1.55	0.99	8.36
	Yield	275	237	263	267	291	301	349	355	350	349	341	365
Nabarangpur	Area	8.7	5.1	7	5.3	3.9	2.04	1.27	0.82	0.57	0.26	0.22	7.64
	Prod.	3.2	0.66	1.5	1.1	1.01	0.54	0.44	0.28	0.17	0.07	0.07	2.75
	Yield	368	129	214	208	259	265	346	341	298	269	318	360
Nuapada	Area	0.05	--	--	--	--	--	--	--	--	--	0.23	--
	Prod.	0.01	--	--	--	--	--	--	--	--	--	0.08	--
	Yield	200	--	--	--	--	--	--	--	--	--	348	--
Rayagada	Area	21.2	16.3	17	17.2	17.12	16.12	12.66	13.11	11.45	10.68	11.2	--
	Prod.	5.8	2.4	3.5	5.7	5.66	5.04	4.05	3.89	5.28	3.2	3.52	--
	Yield	274	147	206	331	331	313	320	297	461	300	314	--
Sambalpur	Area	0.13	0.25	0.11	0.1	0.17	0.11	0.1	0.1	0.04	0.03	0.04	--
	Prod.	0.08	0.12	0.05	0.067	0.09	0.06	0.05	0.05	0.02	0.01	0.02	--
	Yield	615	480	455	670	529	545	500	500	500	333	500	--
Sundargarh	Area	5.5	4.7	3.6	1.3	1.93	2.12	2.32	2.47	2.29	1.97	1.74	1.98
	Prod.	1.7	1.6	1	0.3	0.54	0.68	0.78	0.99	0.92	0.82	0.79	0.9
	Yield	309	340	278	231	280	321	336	401	402	416	454	455

Telangana

District		2013-14	2014-15
Adilabad	Area	--	--
	Prod.	--	--
	Yield	--	--
Karimnagar	Area	--	--
	Prod.	--	--
	Yield	--	--
Khammam	Area	--	--
	Prod.	--	--
	Yield	--	--
Mahbubnagar	Area	--	--
	Prod.	--	--
	Yield	--	--
Medak	Area	--	0.012
	Prod.	--	0.004
	Yield	--	322
Nalgonda	Area	--	--
	Prod.	--	--
	Yield	--	--
Nizamabad	Area	--	--
	Prod.	--	--
	Yield	--	--
Ranga Reddy	Area	0.007	0.006
	Prod.	0.004	0.002
	Yield	510	322
Warangal	Area	--	--
	Prod.	--	--
	Yield	--	--

West Bengal

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bankura	Area	0.075	0.06	0.025	0.055	0.066	0.02	0.005	0.008	0.002	--	--	--
	Prod.	0.026	0.015	0.007	0.014	0.021	0.006	0.002	0.006	0.001	--	--	--
	Yield	347	250	280	255	318	300	400	750	500	--	--	--
Cooch Behar	Area	2.9	3.3	4.7	4	2.7	2.7	2.9	1.7	--	1.875	1.47	2.25
	Prod.	1.8	2	3.3	2.9	2	2	2.1	1.3	--	1.5	1.25	1.913
	Yield	621	606	702	725	741	741	741	724	765	--	800	850
Dakshin Dinajpur	Area	0.034	--	--	--	--	--	--	--	--	--	--	--
	Prod.	0.016	--	--	--	--	--	--	--	--	--	--	--
	Yield	471	--	--	--	--	--	--	--	--	--	--	--
Darjeeling	Area	0.002	0.035	0.044	0.044	0.065	0.075	0.08	0.073	0.04	--	0.075	0.063
	Prod.	0.002	0.049	0.062	0.062	0.034	0.045	0.05	0.043	0.025	--	0.049	0.039
	Yield	1000	1400	1409	1409	523	600	625	589	625	--	653	619
Jalpaiguri	Area	1.8	1.8	1.7	1.7	1.6	1.7	1.6	1.6	1.5	--	1.284	1.374
	Prod.	0.9	1	1	1	1	1	1	1	0.9	--	0.724	0.823
	Yield	500	556	588	588	625	588	625	625	600	--	564	589
Maldah	Area	0.1	0.055	0.06	0.032	0.032	--	--	--	--	--	--	--
	Prod.	0.032	0.015	0.016	0.008	0.008	--	--	--	--	--	--	--
	Yield	320	273	267	250	250	--	--	--	--	--	--	--
Paschim Medinipur	Area	0.045	0.095	0.082	0.08	0.075	0.055	--	0.08	0.075	--	0.065	0.075
	Prod.	0.013	0.028	0.029	0.032	0.034	0.022	--	0.036	0.034	--	0.032	0.037
	Yield	289	295	354	400	453	400	--	450	453	--	492	493
Purulia	Area	0.6	0.8	0.5	0.4	0.3	0.3	0.3	0.3	0.2	--	0.193	0.215
	Prod.	0.2	0.3	0.2	0.1	0.098	0.096	0.1	0.085	0.083	--	0.072	0.076
	Yield	333	375	400	250	327	320	333	283	415	--	373	353
Uttar Dinajpur	Area	0.7	0.7	0.8	0.2	0.2	0.1	0.2	0.075	0.08	--	0.077	0.075
	Prod.	0.3	0.2	0.3	0.093	0.085	0.05	0.076	0.029	0.032	--	0.031	0.034
	Yield	429	286	375	465	425	500	380	387	400	--	403	453
West Dinajpur	Area	0.045	0.095	0.082	--	--	--	--	--	--	--	--	--
	Prod.	0.013	0.028	0.029	--	--	--	--	--	--	--	--	--
	Yield	289	295	354	--	--	--	--	--	--	--	--	--

Source: Various issues of Agricultural Statistics at Glance, Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

Various states DES website and State Department of Agriculture websites

Note: Years in which data is not available are not included

9. CASTOR

9.1 World Area, Production and Yield of Castor

(Area in '000 ha; Production in '000 MT; Yield in kg/ha)

Year	Area	Production	Yield
1986	1637	939	574
1987	1332	814	611
1988	1529	1011	661
1989	1561	1095	701
1990	1660	1358	818
1991	1469	1183	805
1992	1302	1146	880
1993	1318	1088	825
1994	1313	1228	935
1995	1242	1086	874
1996	1249	1260	1009
1997	1198	1206	1007
1998	1157	1198	1035
1999	1346	1141	848
2000	1772	1376	777
2001	1393	1117	802
2002	1226	966	788
2003	1378	1249	906
2004	1437	1296	902
2005	1595	1500	940
2006	1281	1168	912
2007	1434	1452	1013
2008	1536	1623	1057
2009	1414	1412	999
2010	1532	1735	1133
2011	2180	2735	1255
2012	1648	2239	1359
2013	1491	1844	1237
2014	1448	1948	1345

Source: <http://faostat3.fao.org>

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Madagascar	Area	7	5.5	5.8	6	5.9	7.2	7.5	7.6	7.3	6.9	7.4	7.5	7.6	
	Prod.	2.3	1.6	1.7	1.8	2.1	2.5	2.7	2.8	2.3	2.5	2.6	2.7	2.6	
	Yield	329	291	293	300	356	347	360	368	315	362	351	360	347	342
Mexico	Area	1.9	1.5	1.7	1.9	1	0.5	0.005	0.006	0.005	0.007	0.005	0.005	0.02	
	Prod.	0.7	0.5	0.4	0.3	0.2	0.1	0.001	0.009	0.004	0.004	0.004	0.005	0.02	
	Yield	368	333	235	158	200	200	200	1500	800	571	800	1000	1000	
Pakistan	Area	2.6	1.9	3.9	3.4	2.1	5.1	3.6	8.2	1.4	3.4	3.7	4.1	3.8	4
	Prod.	1.7	1.1	2.5	2.1	2.1	2.9	2.2	4	0.8	3.4	4	4.4	4.1	6
	Yield	654	579	641	618	1000	569	611	488	571	1000	1081	1073	1079	1500
Paraguay	Area	10.4	5.8	8	9	10	10	10	11	11	5	5	6	8	8
	Prod.	12.7	7	9.7	10.8	11.5	10.5	10.5	13	13	6	6	10	11	9
	Yield	1221	1207	1213	1200	1150	1050	1050	1182	1182	1200	1200	1667	1375	1125
Philippines	Area	3	2.6	2.5	2.5	2.1	1.7	1.2	0.2	0.1	0.1	0.1	0.1	0.089	0.08
	Prod.	2.5	2.2	1.9	1.6	1.3	1	0.7	0.1	0.084	0.077	0.057	0.049	0.047	0.04
	Yield	833	846	760	640	619	588	583	500	840	770	570	490	528	500
South Africa	Area	8	8.4	8.5	8.9	9.2	8.9	8.6	9.1	9.5	7.8	8	8.2	8.5	8.6
	Prod.	6.5	7.1	4.9	5.6	5.4	5.5	6	6	5.6	6.2	5.7	6	6.2	6.1
	Yield	813	845	577	629	587	618	698	659	590	795	713	732	729	709
Sudan	Area	--	--	--	--	--	--	--	--	--	--	--	--	2	
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	1	
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	500	
Thailand	Area	12.9	13.1	13.3	12.7	13.4	12.9	13	13.1	13.3	12.8	13.2	3.2	1.8	1.1
	Prod.	9	9.7	9.9	9.8	10.4	10.2	11	11.3	11.7	12.2	11.3	2.2	1.3	0.8
	Yield	698	741	744	772	776	791	846	863	880	953	856	688	722	727

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Uganda	Area	4.5	4.6	3	3	3	3	3	3	3	3	3	3	3
	Prod.	1.3	1.3	1	1	1	1	1	1	1	1	1	1	1
	Yield	289	283	333	333	333	333	333	333	333	333	333	333	333
United Republic of Tanzania	Area	5	5	5	6	5	5	6	6	6	6	6	6	6
	Prod.	3	3	3	3	3	3	4	3	3	3	3	3	3
	Yield	600	600	600	500	600	600	667	500	500	500	500	500	500
Viet Nam	Area	6.4	6.5	7	7.5	7.9	7	7	7	8	8	8	8	8
	Prod.	5.2	5.3	5	5.5	5.8	5	6	6	6	6	6	6	7
	Yield	813	815	714	733	734	714	857	857	750	750	750	750	875
Africa	Area	166.9	180	190.8	200.8	198	198.3	210.5	221.5	247.5	249.4	248	246.3	251.8
	Prod.	56.5	60.5	64.4	71.6	75.7	76.3	81.2	81.4	88.6	89.2	93.6	93.8	94.4
	Yield	339	336	338	357	382	385	386	368	330	358	377	381	375
Americas	Area	191	150.7	150.9	187.2	245.8	165.3	177.9	173.3	160.9	217.5	94.4	55.6	75.5
	Prod.	118.4	183.7	99.1	153.1	184	109.1	113.2	139.7	108.4	130.6	40.4	27.9	51
	Yield	620	1219	657	818	749	660	636	806	621	601	428	502	676
Asia	Area	1033.3	892.8	1034.2	1048.1	1149.9	916.6	1045.4	1139.3	1123.1	1712.7	1305.5	1188.3	1119.7
	Prod.	939.6	719.6	1085.4	1071	1239.6	981.5	1256.9	1401.2	1218.7	2514.5	2104.1	1721.6	1802.2
	Yield	909	806	1050	1022	1078	1071	1202	1230	1240	1468	1612	1449	1610
Europe	Area	2.1	2.1	1.6	0.7	1	1.2	0.6	1.5	0.4	0.3	0.5	0.5	0.6
	Prod.	2	2.1	0.5	0.1	0.8	0.8	0.3	0.6	0.4	0.2	0.5	0.5	0.5
	Yield	952	1000	313	143	800	667	500	400	667	667	1000	1000	833
World	Area	1393.3	1225.6	1377.5	1436.8	1594.7	1281.4	1434.4	1535.6	1413.5	2179.9	1648.4	1490.7	1447.6
	Prod.	1116.5	965.9	1249.4	1295.8	1500.1	1167.7	1451.6	1622.9	1411.8	2734.5	2238.6	1843.8	1948.1
	Yield	801	788	907	902	941	911	1012	1057	999	1254	1358	1237	1346

Source: <http://faostat3.fao.org>

9.3 All India Area, Production and Yield of Castor

(Area in '000 ha; Production in '000 MT; Yield in kg/ha)

Year	Area	Production	Yield	Year	Area	Production	Yield
1949-50	590	130	220	1982-83	580.2	344.6	594
1950-51	555	101	182	1983-84	623.4	404.5	649
1951-52	582	108	186	1984-85	670.7	469.7	700
1952-53	536	104	194	1985-86	636.6	308.3	484
1953-54	545	105	193	1986-87	577.6	230.3	399
1954-55	555	124	223	1987-88	479.5	195.2	407
1955-56	574	124	216	1988-89	631.3	415.5	658
1956-57	569	124	218	1989-90	702.2	517.1	736
1957-58	447	89	199	1990-91	810.4	716.2	884
1958-59	458	112	245	1991-92	711.8	576.7	810
1959-60	492	115	234	1992-93	659.7	623.1	945
1960-61	466	108	232	1993-94	684.5	634.8	927
1961-62	486	109	224	1994-95	779.2	845.3	1085
1962-63	469	99	211	1995-96	789	777.3	985
1963-64	484	102	211	1996-97	740.4	900	1216
1964-65	441	107	243	1997-98	641.3	830	1294
1965-66	409	80	197	1998-99	682.4	840.3	1231
1966-67	400.9	109.8	274	1999-00	781.6	770	985
1967-68	439.4	121.2	276	2000-01	1079.6	880	815
1968-69	393.8	115.7	294	2001-02	716.6	652.6	911
1969-70	401.9	123	306	2002-03	583.2	427.5	733
1970-71	438.6	136.1	310	2003-04	717.2	796.7	1111
1971-72	453.3	154	340	2004-05	743	793.4	1068
1972-73	426.4	145.4	341	2005-06	864.2	990.7	1146
1973-74	546.6	229.1	419	2006-07	628.4	762.3	1213
1974-75	590.3	210.4	356	2007-08	786.9	1053.6	1339
1975-76	374.9	142.9	381	2008-09	866.2	1171.1	1352
1976-77	495.8	179	361	2009-10	719	999	1389
1977-78	379.7	217.2	572	2010-11	880.3	1350.3	1534
1978-79	446.9	229.4	513	2011-12	1458	2286.7	1568
1979-80	440.5	227.3	516	2012-13	1233.6	1963.5	1592
1980-81	497.5	205.4	413	2013-14	1063.2	1726.5	1624
1981-82	557.5	310	556.1	2014-15	1105.4	1733.3	1568

Source: Various issues Agricultural Statistics at a Glance, Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

Note: 2014-15 – Fourth advance estimates.

9.4 State-wise Area, Production and Yield of Castor in India

(Area in '000 ha; Production in '000 MT; Yield in kg/ha)

State	apy	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Andhra Pradesh	Area	283.6	232	291	271	345	202	199	159	148	188	254	209	191.6	99
	Prod.	83	86	132	105	140	87	129	81	64	121	52	105	124.157	57
	Yield	293	371	454	387	406	431	648	509	432	644	205	502	648	576
Assam	Area	2	2	1	1.3	1.4	1	1	1.2	1.2	0.978	1.12	0.9	0.88	1
	Prod.	1	1	1	0.6	0.6	1	1	0.5	0.5	0.413	0.48	0.48	0.45	0.5
	Yield	500	500	1000	462	429	1000	1000	417	417	422	429	533	511	500
Bihar	Area	0.1	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.2	0.1	0.1	0.16	0.2
	Prod.	0.1	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.19	0.1	0.1	0.15	0.1
	Yield	1000	1000	1000	1000	1000	1000	1000	1000	1000	950	1000	1000	938	933
Chhattisgarh	Area	0.1	0.1	-	-	-	-	57	79	0.1	0.024	0.01	-	-	0.1
	Prod.	-	-	-	-	-	-	18	24	-	0.007	-	-	-	-
	Yield	-	-	-	-	-	-	316	304	-	292	-	-	-	-
Gujarat	Area	304.7	242.2	290.3	325.6	342	288	358	433.9	421	491	878	751	627	683
	Prod.	465.1	283.1	541.1	563.3	665	533	708	852	831	986	1803	1493	1287.86	1298
	Yield	1526	1169	1864	1730	1944	1851	1978	1964	1974	2008	2054	1988	2054	1900
Haryana	Area	-	-	-	-	2.8	2.4	1.7	1	0.4	0.5	1.5	0.6	0.2	0.2
	Prod.	-	-	-	-	4.5	3.9	4.2	2	0.5	0.6	1.5	0.9	0.1	0.1
	Yield	-	-	-	-	1607	1625	2471	2000	1250	1200	1000	1500	500	500
Jharkhand	Area	-	-	-	-	-	0.3	0.1	0.1	0.1	0.054	0.123	0.21	0.128	0.1
	Prod.	-	-	-	-	-	0.2	0.1	-	0.7	0.026	0.06	0.08	0.061	0.1
	Yield	-	-	-	-	-	667	1000	-	7000	481	488	381	477	545
Karnataka	Area	21.8	17	17.2	20	25	20	23	20	18	19	16	11	12	12
	Prod.	16.1	15.7	15.4	22	27	16	16	18	12	16	14	7	11	7
	Yield	739	924	895	1100	1080	800	696	900	667	842	875	636	917	583

State	apy	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Rajasthan	Area	46	26.1	63.6	92	106.4	78.5	109.7	136.5	117.2	148.693	291.22	222.99	195.27	226.3
	Prod.	66.1	21.9	89.8	86.1	135.4	104.4	159.2	177.3	86.2	210.675	410.05	341.09	286.14	335.1
	Yield	1437	839	1412	936	1273	1330	1451	1299	735	1417	1408	1530	1465	1481
Tamil Nadu	Area	26	17.7	8.7	8.3	8.4	5.3	5.2	5.5	4.9	5.97	6.2	5.64	6.38	5.8
	Prod.	8	5.6	2.9	2.6	2.8	1.7	1.6	1.7	1.5	1.85	1.92	1.75	1.99	1.8
	Yield	308	316	333	313	333	321	308	309	306	310	310	310	312	312
West Bengal	Area	-	-	-	-	-	-	-	-	0.1	0.085	-	0.08	0.08	0.1
	Prod.	-	-	-	-	-	-	-	-	0.035	0.051	-	0.06	0.06	0.1
	Yield	-	-	-	-	-	-	-	-	350	600	-	750	750	750
Others	Area	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	-	719
All India	Area	716.6	583.2	717.2	743	864.2	628.4	786.9	866.158	734.929	880.339	1470.88	1233.59	1063.19	1105.4
	Prod.	652.6	427.5	796.7	793.4	990.7	762.3	1053.6	1171.06	1008.95	1350.32	2294.91	1963.47	1726.55	1733.3
	Yield	911	733	1111	1068	1146	1213	1339	1352	1373	1534	1560	1592	1624	1568

Source: Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>
Note: 2014-15 – Fourth advance estimates.

9.5 District-wise Area, Production and Yield of Castor in India

(Area in '000 ha; Production in '000 MT; Yield in kg/ha)

Andhra Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Adilabad	Area	1.4	1.3	1.4	0.5	0.8	0.3	--	0.2	0.2	0.2	0.198	--	--
	Prod.	0.4	0.5	0.6	0.2	0.3	0.1	--	0.1	0.092	0.064	0.105	--	--
	Yield	286	385	429	400	375	333	--	500	300	460	535	--	--
Ananthapuramu	Area	3.2	2.1	1.9	1.6	2.1	0.9	2	0.9	4.3	30.2	24.4	11.431	11
	Prod.	0.9	0.4	0.8	0.9	1.5	0.5	1	0.7	3.8	1.8	9.288	5.415	6
	Yield	281	191	421	563	714	556	500	778	539	884	381	474	572
Chittoor	Area	0.3	0.2	0.4	0.4	0.4	0.3	--	0.5	0.3	0.2	0.2	0.2	--
	Prod.	0.088	0.048	0.2	0.2	0.3	0.1	--	0.4	0.1	0.2	0.073	0.1	--
	Yield	293	240	500	500	750	333	--	800	333	1000	365	500	--
YSR Kadapah	Area	3.5	1	3.4	2.3	2.2	0.9	1	1.1	1.2	2	2.2	1.124	--
	Prod.	1	0.2	1.4	1.3	1.6	0.5	1	0.8	0.6	0.1	0.849	0.511	--
	Yield	286	200	412	565	727	556	1000	727	500	900	386	455	--
East Godavari	Area	0.009	0.013	--	--	0.062	--	--	0.015	0.046	0.046	0.046	0.045	--
	Prod.	0.001	0.003	--	--	0.022	--	--	0.01	0.028	0.024	0.047	0.036	--
	Yield	111	231	--	--	355	--	--	667	560	522	1022	800	--
Guntur	Area	3.4	2.7	4.3	4.8	6.9	1.7	2	2.1	1.8	1.8	2.9	0.964	1
	Prod.	1.5	0.8	3.3	3.1	3.8	0.7	1	1.5	0.9	2.6	4.8	1.29	1
	Yield	441	296	767	646	551	412	500	714	1125	1444	1655	1338	1432
Karrimnagar	Area	0.2	0.7	4.4	2.8	10.2	2.5	2	0.4	0.2	0.2	0.239	--	--
	Prod.	0.056	0.3	2	1	3.9	1.1	1	0.2	0.06	0.054	0.128	--	--
	Yield	280	429	455	357	382	440	500	500	300	365	535	--	--

Assam

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Baksa	Area	--	--	--	0.022	0.041	0.027	0.032	0.033	0.027
	Prod.	--	--	--	0.011	0.021	0.014	0.016	0.017	0.014
	Yield	--	--	--	500	512	519	500	515	519
Barpeta	Area	0.01	0.01	0.011	0.016	0.015	0.017	0.044	0.054	0.034
	Prod.	0.006	0.006	0.006	0.009	0.008	0.01	0.026	0.031	0.02
	Yield	600	600	546	563	533	588	591	574	588
Bongaigaon	Area	0.036	0.031	0.034	0.041	0.014	0.009	0.008	0.007	0.006
	Prod.	0.014	0.012	0.014	0.017	0.006	0.004	0.003	0.003	0.002
	Yield	389	387	412	415	375	444	375	429	333
Chirang	Area	--	--	--	--	0.028	0.016	0.014	0.019	0.006
	Prod.	--	--	--	--	0.012	0.007	0.004	0.007	0.002
	Yield	--	--	--	--	429	438	286	368	333
Darrang	Area	0.061	0.056	0.023	0.008	0.004	0.004	0.005	--	0.002
	Prod.	0.024	0.022	0.009	0.003	0.002	0.002	0.002	--	0.001
	Yield	393	393	391	375	500	500	400	--	500
Dhemajji	Area	0.1	0.1	0.1	0.1	0.095	0.1	0.075	0.064	0.058
	Prod.	0.056	0.055	0.052	0.049	0.056	0.047	0.034	0.029	0.026
	Yield	560	550	520	490	560	470	453	453	448
Dhubri	Area	0.015	0.015	0.012	0.012	0.014	0.013	0.007	0.007	0.003
	Prod.	0.009	0.009	0.007	0.008	0.009	0.008	0.005	0.004	0.002
	Yield	600	600	583	667	643	615	714	571	667
Dibrugarh	Area	0.032	0.023	0.019	0.008	0.013	0.003	--	0.003	0.007
	Prod.	0.011	0.008	0.006	0.003	0.004	0.001	--	0.001	0.002
	Yield	344	348	316	375	308	333	--	333	286

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Dima Hasao	Area	0.091	0.088	0.09	0.085	0.086	0.088	0.085	0.088	0.09
	Prod.	0.041	0.04	0.041	0.038	0.039	0.04	0.036	0.039	0.04
	Yield	451	455	456	447	454	455	424	443	444
Goalpara	Area	0.044	0.032	0.041	0.023	0.025	0.022	0.025	0.02	0.02
	Prod.	0.016	0.012	0.015	0.008	0.009	0.008	0.009	0.007	0.007
	Yield	364	375	366	348	360	364	360	350	350
Golaghat	Area	0.009	0.008	0.009	0.008	0.01	0.01	0.012	0.026	0.028
	Prod.	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.014	0.015
	Yield	556	625	556	625	600	500	417	539	536
Haikakandi	Area	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.004
	Prod.	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
	Yield	400	400	333	400	400	400	400	400	250
Jorhat	Area	0.015	0.014	0.015	0.018	0.013	0.011	0.017	0.015	0.023
	Prod.	0.006	0.006	0.006	0.007	0.005	0.005	0.006	0.006	0.009
	Yield	400	429	400	389	455	455	353	400	391
Kamrup	Area	0.2	0.2	0.1	0.02	0.019	0.011	0.012	0.011	0.01
	Prod.	0.062	0.052	0.034	0.007	0.006	0.004	0.004	0.004	0.003
	Yield	310	260	340	350	316	364	333	364	300
Kamrup Metropolitan	Area	--	--	--	--	0.004	0.002	0.002	0.003	0.003
	Prod.	--	--	--	--	0.001	0.001	0.001	0.001	0.001
	Yield	--	--	--	--	500	500	500	333	333
Karbi Anglong	Area	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.4
	Prod.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Yield	400	400	400	333	333	333	333	333	500

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Kokrajhar	Area	0.08	0.082	0.081	0.075	0.063	0.062	0.07	0.075	0.063
	Prod.	0.036	0.037	0.036	0.034	0.027	0.026	0.03	0.031	0.029
	Yield	450	451	444	453	429	419	429	413	460
Lakhimpur	Area	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.05	0.1
	Prod.	0.098	0.099	0.099	0.099	0.099	0.054	0.058	0.022	0.059
	Yield	490	495	495	495	495	540	580	440	590
Morigaon	Area	0.02	0.02	0.018	0.02	0.02	0.013	0.008	0.008	0.012
	Prod.	0.004	0.004	0.003	0.004	0.004	0.002	0.001	0.001	0.002
	Yield	200	200	167	200	200	200	125	125	167
Nagaon	Area	0.037	0.037	0.036	0.034	0.029	0.038	0.051	0.052	0.032
	Prod.	0.015	0.015	0.014	0.013	0.011	0.016	0.02	0.021	0.012
	Yield	405	405	389	382	379	421	392	404	375
Nalbari	Area	0.05	0.048	0.045	0.043	0.02	0.006	0.003	0.005	0.005
	Prod.	0.025	0.024	0.023	0.022	0.01	0.003	0.002	0.003	0.003
	Yield	500	500	511	512	500	500	667	600	600
Sivasagar	Area	0.012	0.013	0.01	0.008	0.009	0.01	0.008	0.005	0.005
	Prod.	0.005	0.005	0.004	0.003	0.004	0.005	0.004	0.003	0.003
	Yield	417	385	400	375	444	500	500	600	600
Sonitpur	Area	0.047	0.047	0.046	0.041	0.038	0.027	0.002	0.002	0.002
	Prod.	0.02	0.02	0.019	0.017	0.016	0.012	0.001	0.001	0.001
	Yield	426	426	413	415	421	444	500	500	500
Tinsukia	Area	0.002	0.005	0.005	0.005	0.005	0.007	0.007	0.006	0.007
	Prod.	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.003
	Yield	500	400	400	400	400	429	429	333	429

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Udaiguri	Area	--	--	--	0.005	0.001	0.002	0.028	0.018	0.007
	Prod.	--	--	--	0.002	0.001	0.001	0.011	0.007	0.003
	Yield	--	--	--	400	1000	500	393	389	429

Gujarat

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Ahmedabad	Area	14.9	10.4	5.7	9.1	14.5	12.8	11.3	15.9	19.4	28
	Prod.	16.8	8.9	7.7	14.1	21.5	21.3	17.5	28.5	26.8	54.2
	Yield	1128	856	1351	1550	1483	1664	1549	1793	1381	1936
Amreli district	Area	3.8	1.3	2	1.9	1.5	1.8	0.7	1.2	0.8	1.1
	Prod.	6.8	1.6	3.8	3.3	3	3.2	1.3	2.3	1.6	2.2
	Yield	1790	1231	1900	1737	2000	1778	1857	1917	2000	2000
Anand	Area	--	--	1.6	2.7	2.7	1.5	1.8	1.9	1.4	1.4
	Prod.	--	--	3	4.6	5.3	2.6	3.5	3.7	2.7	2.7
	Yield	--	--	1875	1704	1963	1733	1944	1947	1929	1929
Banaskantha	Area	62.2	54.1	63.8	73.5	81.7	59.6	60.8	82.7	90.8	78.2
	Prod.	147.1	69.8	132.9	125.9	174.3	92.5	135.3	178.4	214.3	185.7
	Yield	2365	1290	2083	1713	2133	1552	2225	2157	2360	2375
Bharuch	Area	1.1	1.2	1	2	2.3	1.2	6.4	7.8	6.9	4.9
	Prod.	1.9	1.4	1.8	3.5	4.5	2.3	12.7	15.4	13.5	8.1
	Yield	1727	1167	1800	1750	1957	1917	1984	1974	1957	1653
Bhavnagar	Area	1.1	0.6	0.1	0.8	0.2	0.6	0.1	0.7	0.3	0.3
	Prod.	2	0.7	0.2	1.3	0.5	1	0.3	1.4	0.7	0.6
	Yield	1818	1167	2000	1625	2500	1667	3000	2000	2333	2000

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Dahod	Area	--	0.1	0.1	0.1	0.3	0.2	0.3	0.1	0.4	0.4
	Prod.	--	0.2	0.2	0.5	0.4	0.6	0.6	0.2	0.8	0.8
	Yield	--	2000	2000	1667	2000	2000	2000	2000	2000	2000
Gandhinagar	Area	7.8	7.5	17.9	29.1	27.2	24.3	29.9	23.4	30.3	29
	Prod.	12.8	17	36.7	51.3	54.5	54.1	64.4	50.7	66.9	58.6
	Yield	1641	2267	2050	1763	2183	2226	2154	2167	2208	2021
Jammagar	Area	9.9	9.5	12.8	9.3	9	10.9	9.1	8.3	6.3	14
	Prod.	21.2	5.6	47.8	24.6	29.4	36.4	26.9	29.9	20.7	50.8
	Yield	2141	590	3734	2645	3267	3339	2956	3602	3286	3629
Junagadh	Area	7	3.9	2.7	2.9	3.8	2.7	2.2	1.3	0.6	2
	Prod.	12.6	4.1	6.7	4.9	7.4	5.4	4.4	2.5	1.2	4.1
	Yield	1800	1051	2482	1690	1947	2000	2000	1923	2000	2050
Kheda	Area	7.3	9.1	6.2	6.7	10.5	17.4	14.4	8.5	9.1	23
	Prod.	5.4	10.3	9.6	9.9	16.4	27.5	20.8	13.5	12.9	33.2
	Yield	740	1132	1548	1478	1562	1581	1444	1588	1418	1444
Kutch	Area	52.7	33	69.1	56.5	45.2	54.9	63.9	46.6	75.4	139
	Prod.	58.6	46	109.9	106.6	59.1	128	105.6	72.6	133.2	275.4
	Yield	1112	1394	1590	1887	1308	1847	1653	1558	1767	1981
Mehsana	Area	75.4	46.8	26.8	34.8	34.1	42.5	58.2	45.7	60.4	92
	Prod.	111.7	63.9	46.1	59.9	64.2	91.9	116.2	96	119.1	195
	Yield	1481	1365	1720	1721	1883	1941	1997	2101	1972	2120
Narmada	Area	--	--	0.1	0.7	1.3	1	0.8	0.5	0.3	2.2
	Prod.	--	--	0.2	1.3	2.4	2	1.5	1.1	0.7	4.5
	Yield	--	--	2000	1857	1846	1889	1875	2200	2333	2046

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Navsari	Area	--	--	0.1	--	--	--	--	--	--	--
	Prod.	--	--	0.1	--	--	--	--	--	--	--
	Yield	--	--	1000	--	--	--	--	--	--	--
Panchmahal	Area	2.5	1.5	2	2.6	1.8	1.9	3	2.2	3.6	12
	Prod.	4.5	1.8	3.8	4.4	3.4	3.8	6	4.2	7.3	24.7
	Yield	1800	1200	1900	1692	1889	2000	2000	1909	2028	2058
Patan	Area	--	--	27.3	33.4	16.8	31.5	42.1	46.8	48.9	131
	Prod.	--	--	42.6	48.4	20.4	47	68.3	67.9	90.6	231.3
	Yield	--	--	1560	1449	1214	1492	1622	1451	1853	1766
Porbandar	Area	--	--	1.1	0.6	0.9	0.6	0.6	0.2	0.3	6
	Prod.	--	--	2	1	1.6	1.2	1.2	0.4	0.5	12.3
	Yield	--	--	1818	1667	1778	2000	2000	2000	1667	2050
Rajkot	Area	8	7.4	6.7	9.8	5.2	5.3	4.6	14.8	12.9	16
	Prod.	14.5	4.7	21.7	30.4	16.4	16.1	10.7	54.7	22.4	46.2
	Yield	1813	635	3239	3102	3154	3038	2326	3696	1736	2888
Sabarkantha	Area	35	33.6	30.4	36.4	38.7	43.5	48	54.5	73.4	74
	Prod.	24.4	16.2	38.8	41.2	79.9	65.3	90	92.8	125.7	131.5
	Yield	697	482	1276	1132	1393	1501	1875	1703	1713	1777
Surat	Area	0.4	0.6	0.4	0.3	0.4	0.2	0.2	0.3	0.3	3
	Prod.	0.7	0.7	0.7	0.5	0.8	0.4	0.5	0.5	0.6	6.2
	Yield	1750	1167	1750	1667	2000	2000	2500	1667	2000	2067
Surendranagar	Area	8.1	13.6	6.7	7.5	24.3	23.5	28	32.6	39.7	81
	Prod.	14.7	19.9	16.2	17.2	42.5	52.7	76.6	58.2	103.8	203.5
	Yield	1815	1463	2418	2293	3080	2169	2736	1785	2615	2512

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Tapi	Area	--	--	--	--	--	--	0.2	0.6	--	0.4
	Prod.	--	--	--	--	--	--	0.4	1.2	--	0.8
	Yield	--	--	--	--	--	--	2000	2000	--	2000
Vadodara	Area	7.5	8.1	5.8	9.7	14	11.5	16.6	15.6	14.8	25
	Prod.	9.4	10.5	8.7	10.2	21.5	15.1	22.7	25.4	26.1	50.6
	Yield	1253	1296	1500	1052	1536	1313	1368	1628	1764	2024

Karnataka

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bagalkot	Area	0.019	0.01	0.001	0.002	--	--	--	--	0.02	--	--	--
	Prod.	0.014	0.009	0.001	0.002	--	--	--	--	0.017	--	--	--
	Yield	737	900	1000	1000	--	--	--	--	883	--	--	--
Bangalore Rural	Area	2.9	1.6	2	1.6	1.6	0.4	0.3	0.3	0.315	0.203	0.162	0.167
	Prod.	5	4.4	6.8	7.4	3	0.3	0.3	0.2	0.265	0.17	0.101	0.149
	Yield	1724	2750	3400	1625	1875	750	1000	667	886	883	656	942
Bangalore Urban	Area	0.5	0.3	0.4	0.5	0.2	0.3	0.3	0.2	0.265	0.288	0.099	0.057
	Prod.	0.3	0.3	0.4	0.4	0.2	0.2	0.3	0.2	0.223	0.242	0.062	0.051
	Yield	600	1000	1000	800	1000	667	1000	1000	886	883	656	942
Belgaum	Area	0.3	0.3	0.1	0.2	0.3	0.2	0.1	0.1	0.374	0.14	0.1	0.531
	Prod.	0.3	0.1	0.1	0.2	0.2	0.1	0.1	0.083	0.315	0.117	0.062	0.475
	Yield	1000	333	1000	1000	667	500	1000	830	886	883	656	942
Bellary	Area	0.6	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.145	0.265	0.508	0.486
	Prod.	0.5	0.3	0.1	0.2	0.1	0.1	0.1	0.079	0.122	0.222	0.317	0.435
	Yield	833	1000	500	1000	500	500	1000	790	886	883	656	942

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Chamarajnagar	Area	0.8	0.8	0.5	0.6	0.9	1.2	0.9	1.3	0.6	0.407	0.508	0.298
	Prod.	0.6	0.8	0.5	0.5	0.9	0.9	0.1	2.8	0.5	0.315	0.16	0.079
	Yield	750	1000	1000	833	1000	750	111	2154	833	814	332	278
Chikkaballepur	Area	--	--	--	--	--	--	0.6	0.7	0.2	0.118	0.053	0.056
	Prod.	--	--	--	--	--	0.4	0.7	0.2	0.278	0.099	0.033	0.05
	Yield	--	--	--	--	--	667	1000	1000	886	883	656	942
Chikkamagaluru	Area	0.7	0.7	0.7	0.5	0.9	0.7	1	0.6	0.7	0.587	0.632	0.245
	Prod.	0.5	0.6	0.7	0.5	0.9	0.6	0.7	0.5	0.4	0.494	0.53	0.153
	Yield	714	857	1000	1000	1000	857	700	833	571	886	883	656
Chitradurga	Area	1.8	1.5	1.1	1.3	2.2	2.1	3.1	1.1	1.6	1.963	0.952	0.777
	Prod.	1.2	2.3	1.1	2.4	2.3	1.7	2.1	0.8	1.6	1.93	0.719	0.576
	Yield	667	1533	1000	1846	1046	810	677	727	1000	1035	795	780
Davanagere	Area	0.3	0.2	0.2	0.2	0.2	0.2	0.045	0.09	0.1	0.254	0.128	0.196
	Prod.	0.3	0.2	0.2	0.2	0.2	0.2	0.03	0.085	0.068	0.214	0.107	0.122
	Yield	1000	1000	1000	1000	1000	1000	667	944	680	886	883	656
Dhanwad	Area	--	--	--	--	0.043	0.015	--	--	--	--	--	0.001
	Prod.	--	--	--	--	0.034	0.01	--	--	--	--	--	0.001
	Yield	--	--	--	--	791	667	--	--	--	--	--	942
Gadag	Area	0.1	0.058	0.1	0.1	0.3	0.083	0.3	0.032	0.068	0.007	--	0.023
	Prod.	0.087	0.054	0.09	0.088	0.3	0.066	0.2	0.03	0.04	0.057	0.006	--
	Yield	870	931	900	880	1000	795	667	938	645	886	883	--
Gulbarga	Area	0.065	0.032	0.054	0.07	0.3	0.2	0.088	0.083	0.1	0.068	0.108	0.011
	Prod.	0.048	0.03	0.048	0.061	0.3	0.1	0.059	0.079	0.083	0.057	0.091	0.007
	Yield	739	938	889	871	1000	500	671	952	830	886	883	656

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Hassan	Area	3.7	2	2.5	2.4	2.9	2.6	2.5	2.8	2	1.82	0.909	1.181
	Prod.	1.7	0.8	0.7	1.1	2.1	1.4	1.2	1.6	1.1	1.681	1.483	1.266
	Yield	460	400	280	458	724	539	480	571	550	853	858	531	1128
Haveri district	Area	0.3	0.1	0.043	0.1	0.089	0.059	0.063	0.06	0.013	0.016	0.005	0.027
	Prod.	0.2	0.092	0.039	0.1	0.093	0.047	0.042	0.057	0.008	0.013	0.003	0.024
	Yield	667	920	907	1000	1045	797	667	950	615	886	863	656	942
Kodagu	Area	--	--	--	--	0.1	0.1	0.1	0.078	--	--	--	--
	Prod.	--	--	--	--	0.1	0.1	0.072	0.074	--	--	--	--
	Yield	--	--	--	--	1000	1000	720	949	--	--	--	--
Kolar	Area	0.1	0.1	0.7	0.3	0.5	0.5	0.045	0.069	0.072	0.087	0.104	0.104
	Prod.	0.092	0.1	0.6	0.3	0.5	0.4	0.03	0.065	0.047	0.073	0.065	0.093
	Yield	920	1000	857	1000	1000	800	667	942	653	886	863	942
Koppal	Area	1.2	1.2	1.4	1.4	1.5	1.3	1.1	1.2	1.5	0.922	0.717	0.332
	Prod.	0.4	0.6	1	0.6	2.2	2	0.6	1	0.6	1.288	1.008	0.457
	Yield	333	500	714	429	1467	1539	546	833	400	1471	1480	1450
Mandya	Area	0.8	0.6	0.9	1.5	1.1	0.7	1	1.1	0.9	1.355	0.851	0.694
	Prod.	0.4	0.2	0.8	1.3	1.1	0.5	0.6	1	0.6	1.141	0.714	0.433
	Yield	500	333	889	867	1000	714	600	909	667	886	883	656
Mysore	Area	2.3	3	1.9	2.4	4.7	3.9	3.9	2.5	2.8	3.643	2.739	2.044
	Prod.	1.1	1.3	0.7	1.6	2.6	2.6	2	0.9	0.9	2.322	1.52	1.238
	Yield	478	433	368	667	553	667	513	360	321	671	584	527
Raichur	Area	1.1	0.4	1.2	1.6	2.2	1.6	1.4	1.1	1	0.89	0.707	1.011
	Prod.	0.4	0.1	0.4	1.4	0.6	0.2	0.3	0.4	0.2	0.51	0.194	0.185
	Yield	364	250	333	875	273	125	214	364	200	413	230	276

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ramanagara	Area	--	--	--	--	--	1.6	1.8	1.9	1.651	1.441	0.892	1.511
	Prod.	--	--	--	--	--	3.5	3.5	2.1	2.563	3.402	1.447	3.563
	Yield	--	--	--	--	--	2188	1944	1105	1634	2485	1708	2482

Maharashtra

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmednagar	Area	0.2	0.1	--	0.4	--	0.004	0.1	0.1	--	0.1	0.2
	Prod.	0.1	0.01	--	0.1	--	0.001	0.025	0.018	--	0.02	0.02
	Yield	500	100	--	250	--	250	250	180	180	--	200	125
Akola	Area	--	--	--	0.1	0.3	0.007	0.8	0.2	0.1	--	--
	Prod.	--	--	--	0.1	0.1	0.003	0.2	0.1	0.1	--	--
	Yield	--	--	--	1000	333	429	250	500	1000	--	--
Amravati	Area	2.4	2.1	--	2.4	1.2	0.01	0.8	0.3	0.5	0.2	1.1
	Prod.	0.4	0.4	--	1.1	0.8	0.007	0.3	0.1	0.3	0.1	0.6
	Yield	167	191	--	458	667	700	375	333	600	500	500
Aurangabad	Area	0.8	0.6	--	0.5	0.4	0.003	0.3	0.2	0.1	--	1.5
	Prod.	0.2	0.1	--	0.4	0.1	0.001	0.2	0.1	0.05	--	0.3
	Yield	250	167	--	800	250	333	667	500	500	--	200
Beed	Area	1	1.2	--	2.1	1.8	0.013	1.6	0.4	0.9	1	1.2
	Prod.	0.3	0.3	--	1.4	0.3	0.005	0.2	0.1	0.4	0.3	0.3
	Yield	300	250	--	667	167	385	125	250	444	260	225
Bhandara	Area	0.1	0.3	--	0.1	--	--	--	--	--	--	--
	Prod.	0.1	0.1	--	0.3	--	--	--	--	--	--	--
	Yield	1000	333	--	3000	--	--	--	--	--	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Buldhara	Area	1	0.5	--	0.2	0.1	0.001	0.1	0.1	0.4	--	0.5
	Prod.	0.2	0.1	--	0.1	0.02	--	0.04	0.017	0.2	--	0.3
	Yield	200	200	--	500	200	--	400	170	500	--	500
Chandrapur	Area	--	0.1	--	0.2	0.3	0.003	0.1	--	0.1	0.2	0.2
	Prod.	--	0.01	--	0.1	0.1	0.001	0.03	--	0.1	0.1	0.02
	Yield	--	100	--	500	333	333	300	--	1000	500	100
Dhule	Area	0.5	--	--	0.3	0.2	0.008	0.2	0.3	0.1	--	0.4
	Prod.	0.2	--	--	0.1	0.1	0.004	0.1	0.1	0.04	--	0.04
	Yield	400	--	--	333	500	500	500	333	400	--	100
Gondia	Area	0.1	--	--	0.2	0.1	0.001	0.2	--	--	--	--
	Prod.	0.1	--	--	0.1	0.1	--	0.1	--	--	--	--
	Yield	1000	--	--	500	1000	--	500	--	--	--	--
Hingoli	Area	0.5	0.2	--	0.3	0.2	0.001	0.1	0.2	0.4	0.1	0.3
	Prod.	0.1	0.01	--	0.1	0.2	--	0.02	0.03	0.1	0.1	0.1
	Yield	200	50	--	333	1000	--	200	150	250	500	250
Jalgaon	Area	0.4	0.2	--	0.5	0.2	0.002	0.1	0.2	0.1	--	0.5
	Prod.	0.2	0.01	--	0.2	0.1	0.001	0.03	0.04	0.04	--	0.1
	Yield	500	50	--	400	500	500	300	200	400	--	200
Jalna	Area	0.2	0.3	--	0.4	0.4	0.005	0.8	0.1	0.1	--	0.2
	Prod.	0.01	0.1	--	0.3	0.1	0.002	0.2	0.032	0.04	--	0.1
	Yield	50	333	--	750	250	400	250	320	400	--	250
Kolhapur	Area	--	--	--	0.2	0.3	0.003	0.3	--	0.2	0.1	0.6
	Prod.	--	--	--	0.1	0.1	0.001	0.1	--	0.1	0.03	0.1
	Yield	--	--	--	500	333	333	333	--	500	310	200

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Latur	Area	0.1	--	--	0.1	--	0.002	0.4	1.2	--	--	1.2
	Prod.	0.01	--	--	0.2	--	--	0.1	0.2	--	--	0.3
	Yield	100	--	--	2000	--	--	250	167	--	--	250
Nagpur	Area	0.3	0.2	--	--	0.2	0.003	0.3	0.2	0.1	0.2	0.5
	Prod.	0.2	0.1	--	--	0.1	0.001	0.1	0.1	0.1	0.1	0.05
	Yield	667	500	--	--	500	333	333	500	1000	575	100
Nanded	Area	0.8	3.5	--	1	1.1	0.017	1	0.8	0.6	0.5	2.8
	Prod.	0.2	0.8	--	0.2	0.2	0.006	0.2	0.1	0.2	0.1	0.8
	Yield	250	229	--	200	182	353	200	125	333	200	300
Nandurbar	Area	0.5	0.2	--	1.2	1.2	0.006	0.4	0.4	1.1	0.2	0.2
	Prod.	0.2	0.01	--	0.4	0.1	0.003	0.2	0.1	0.4	0.1	0.1
	Yield	400	50	--	333	83	500	500	250	364	350	425
Nashik	Area	0.6	18.9	--	2.4	1.1	0.008	1.2	1	3.4	4.4	2.5
	Prod.	0.2	4.3	--	0.5	0.2	0.002	0.3	0.3	1.2	2	0.7
	Yield	333	228	--	208	182	250	250	300	353	450	271
Osmanabad	Area	0.5	--	--	1	1	0.001	0.7	--	0.5	0.3	2.4
	Prod.	0.01	--	--	0.1	0.1	--	0.1	--	0.1	0.1	0.5
	Yield	20	--	--	100	100	--	143	--	200	200	200
Parbhani	Area	0.6	0.5	--	0.7	0.8	0.006	0.6	0.8	0.7	0.7	0.4
	Prod.	0.1	0.1	--	0.1	0.8	0.002	0.1	0.2	0.6	0.5	0.1
	Yield	167	200	--	143	1000	333	167	250	857	780	200
Pune	Area	0.1	0.1	--	0.1	0.2	0.001	0.1	0.1	0.1	--	--
	Prod.	0.01	0.01	--	0.3	0.1	--	0.025	0.02	0.02	--	--
	Yield	100	100	--	3000	500	--	250	200	200	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Sangli	Area	--	--	--	0.2	0.2	--	--	--	--	--	0.6
	Prod.	--	--	--	0.1	0.1	--	--	--	--	--	0.2
	Yield	--	--	--	500	500	--	--	--	--	--	250
Solapur	Area	--	0.4	--	--	0.3	0.003	0.2	--	0.1	0.1	--
	Prod.	--	0.1	--	--	0.1	0.001	0.026	--	0.1	0.03	--
	Yield	--	250	--	--	333	333	130	--	1000	300	--
Wardha	Area	0.3	0.1	--	--	0.1	0.004	0.2	0.1	--	--	--
	Prod.	0.2	0.01	--	--	0.1	0.001	0.1	0.025	--	--	--
	Yield	667	100	--	--	1000	250	500	250	--	--	--
Washim	Area	0.1	0.1	--	--	0.1	0.002	0.1	--	--	--	0.1
	Prod.	0.01	0.01	--	--	0.1	0.001	0.03	--	--	--	0.03
	Yield	100	100	--	--	1000	500	300	--	--	--	250
Yavatmal	Area	0.8	0.1	--	--	1.3	0.1	0.1	--	--	--	--
	Prod.	0.2	0.01	--	--	0.5	0.045	0.02	--	--	--	--
	Yield	250	100	--	--	385	1000	200	--	--	--	--

Odisha

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Angul	Area	--	0.37	0.6	0.5	0.5	0.5	0.49	0.46	0.56	0.4	0.43	0.57
	Prod.	--	0.13	0.36	0.28	--	0.26	0.29	0.28	0.34	0.25	0.24	0.34
	Yield	--	351	600	560	--	520	592	609	607	625	558	596
Balangir	Area	0.6	0.7	1	0.9	--	0.93	0.55	0.32	0.25	0.25	0.26	--
	Prod.	0.18	0.25	0.5	0.3	--	0.4	0.24	0.14	0.12	0.12	0.15	--
	Yield	300	357	500	333	--	430	436	438	480	480	577	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Balasore	Area	0.3	0.19	0.19	0.16	--	0.15	0.12	0.11	0.13	0.01	0.01	0.29
	Prod.	0.13	0.09	0.09	0.08	--	0.07	0.08	0.07	0.08	0.01	0.01	0.17
	Yield	433	474	474	500	--	467	667	636	615	1000	1000	586
Bargarh (Baragarh)	Area	0.05	0.02	0.01	0.054	--	0.06	0.25	0.05	--	--	--	0.74
	Prod.	0.02	0.01	0.01	0.02	--	0.03	0.12	0.02	--	--	--	0.42
	Yield	400	500	1000	370	--	500	480	400	--	--	--	568
Bhadrak	Area	0.08	0.02	0.05	0.065	--	0.07	0.04	0.06	0.09	0.03	0.03	0.03
	Prod.	0.04	0.01	0.03	0.04	--	0.03	0.02	0.03	0.04	0.02	0.02	0.02
	Yield	500	500	600	615	--	429	500	500	600	444	667	667
Boudh (Bauda)	Area	0.06	0.08	0.09	0.101	--	0.11	0.11	0.09	0.14	0.04	0.03	0.23
	Prod.	0.05	0.06	0.05	0.08	--	0.09	0.09	0.07	0.11	0.03	0.02	0.14
	Yield	833	750	556	792	--	818	818	778	778	786	750	667
Cuttack	Area	0.07	0.1	0.1	0.1	--	0.05	0.03	0.02	0.12	0.03	0.05	0.22
	Prod.	0.05	0.05	0.05	0.06	--	0.02	0.02	0.01	0.02	0.01	0.02	0.13
	Yield	714	500	500	600	--	400	667	500	400	333	400	591
Debagarh (Deogarh)	Area	0.34	0.06	0.1	0.1	--	0.09	0.1	0.04	0.03	0.02	0.02	0.04
	Prod.	0.22	0.03	0.05	0.04	--	0.04	0.05	0.02	0.01	0.01	0.02	0.03
	Yield	647	500	500	400	--	444	500	500	500	667	500	750
Dhenkanal	Area	--	1	1.2	0.9	--	0.8	0.62	0.59	0.79	0.52	0.56	0.56
	Prod.	--	0.5	0.6	0.5	--	0.41	0.33	0.31	0.3	0.29	0.34	0.35
	Yield	--	500	500	556	--	513	532	525	545	557	558	625
Gajapati	Area	0.95	0.93	0.92	0.9	--	0.84	0.66	0.95	1.4	0.8	0.77	0.01
	Prod.	0.53	0.62	0.51	0.5	--	0.5	0.4	0.58	0.5	0.47	0.47	0.01
	Yield	558	667	554	556	--	595	606	611	549	557	588	1000

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Ganjam	Area	1.7	1.27	1.5	--	1.68	1.4	1.42	0.89	2	1.16	1.19	1.29
	Prod.	1	0.44	0.8	--	1.04	0.87	0.9	0.63	1.12	0.73	0.78	0.81
	Yield	588	347	533	600	619	621	634	708	560	629	655	628
Jagatsinghpur	Area	0.06	0.05	0.06	0.043	--	0.03	0.03	0.03	0.03	0.01	0.02	0.03
	Prod.	0.03	0.03	0.03	0.02	--	0.01	0.02	0.02	0.02	0.01	0.02	0.02
	Yield	500	600	500	465	500	333	667	667	667	1000	1000	667
Jajpur	Area	0.24	0.1	0.25	0.245	--	0.14	0.2	0.18	0.23	0.22	0.22	0.04
	Prod.	0.12	0.05	0.1	0.12	--	0.08	0.13	0.13	0.15	0.15	0.14	0.02
	Yield	500	500	400	490	--	571	600	722	652	682	636	500
Jharsuguda	Area	0.04	0.1	0.03	0.111	--	0.11	0.06	0.04	--	--	--	0.05
	Prod.	0.02	0.04	0.01	0.04	--	0.04	0.03	0.02	0.01	--	--	0.03
	Yield	500	400	333	360	--	364	500	500	500	--	--	600
Kalahandi	Area	3.2	2.2	3.3	3.9	--	4.38	4.62	4.53	5.11	3.04	2.91	0.09
	Prod.	3	1.5	2.5	3.1	--	3.72	3.95	3.86	4.41	2.72	2.17	0.05
	Yield	938	682	758	795	--	849	855	852	862	863	746	556
Kandhamal	Area	0.4	0.4	0.4	0.4	--	--	--	--	--	--	--	--
	Prod.	0.3	0.3	0.3	0.3	--	--	--	--	--	--	--	--
	Yield	750	750	750	750	--	--	--	--	--	--	--	--
Kendrapara	Area	0.04	0.03	0.03	0.025	--	0.02	0.01	0.02	0.02	0.02	0.02	0.01
	Prod.	0.02	0.02	0.01	0.01	--	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Yield	500	667	333	400	500	1000	500	500	500	500	500	1000
Kendujhar (Keonjhar)	Area	0.29	0.15	0.26	0.3	--	0.21	0.32	0.31	0.44	0.24	0.07	3.52
	Prod.	0.17	0.14	0.15	0.2	--	0.18	0.28	0.26	0.38	0.19	0.05	2.5
	Yield	586	933	577	667	--	857	867	839	864	792	714	710

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Khordha	Area	0.02	0.02	0.04	0.035	--	0.03	0.01	0.03	0.04	0.11	0.05	0.1
	Prod.	0.01	0.01	0.02	0.01	--	0.02	0	0.01	0.01	0.04	0.03	0.06
	Yield	500	500	500	286	--	667	0	333	250	364	600	600
Koraput	Area	2.3	2.1	2	1.6	--	1.39	1.4	1.41	1.37	2.16	0.95	0.4
	Prod.	0.7	0.5	0.5	0.4	--	0.42	0.4	0.4	0.42	0.66	0.28	0.28
	Yield	304	238	250	250	--	302	286	284	307	306	295	588
Malkangiri	Area	0.6	0.2	0.2	0.2	--	0.18	0.15	0.08	0.39	0.44	0.05	0.02
	Prod.	0.16	0.1	0.09	0.08	--	0.08	0.06	0.02	0.18	0.2	0.03	0.01
	Yield	267	500	450	400	--	444	400	250	462	455	600	500
Mayurbhanj	Area	0.35	0.33	0.44	0.54	--	0.42	0.48	0.44	0.37	0.47	0.22	0.2
	Prod.	0.12	0.11	0.22	0.22	--	0.2	0.24	0.23	0.19	0.25	0.13	0.12
	Yield	343	333	500	407	--	476	500	523	514	532	591	600
Nabarangpur	Area	2.5	1.8	1.8	1.8	--	1.55	1.72	1.68	1.34	1.76	1.23	0.04
	Prod.	1.1	0.7	0.76	0.8	--	0.74	0.85	0.83	0.67	0.99	0.71	0.7
	Yield	440	389	422	444	--	477	494	494	500	563	577	631
Nayagarh	Area	0.16	0.09	0.08	0.076	--	0.05	0.05	0.11	0.13	0.24	0.11	0.1
	Prod.	0.1	0.05	0.04	0.03	--	0.02	0.03	0.06	0.07	0.11	0.05	0.05
	Yield	625	556	500	395	--	400	600	545	538	458	455	500
Nuapada	Area	1.9	0.5	1.5	1.6	--	1.56	2.22	2.02	1.63	2.91	1.57	--
	Prod.	0.5	0.05	0.3	0.3	--	1.13	1.65	1.51	0.97	1.44	0.78	1.12
	Yield	263	100	200	188	--	724	743	748	595	495	497	605
Puri	Area	--	--	--	0.007	--	--	--	0.01	0.01	0.04	0.03	1.11
	Prod.	--	--	--	--	--	--	--	0.01	0	0.02	0.01	0.66
	Yield	--	--	--	--	--	--	--	1000	0	500	333	595

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Rayagada	Area	0.9	0.7	0.8	0.9	--	0.86	0.81	0.8	1.49	0.77	0.69	0.03
	Prod.	0.4	0.18	0.3	0.29	--	0.32	0.3	0.26	0.76	0.39	0.39	0.02
	Yield	444	257	375	322	--	372	370	325	510	506	565	667
Sambalpur	Area	0.36	0.28	0.39	0.396	--	0.42	0.4	0.36	0.23	0.13	0.14	0.05
	Prod.	0.22	0.13	0.14	0.14	--	0.2	0.19	0.17	0.1	0.05	0.09	0.02
	Yield	611	464	359	354	--	476	475	486	435	385	643	400
Subarnapur (Sonepur)	Area	0.06	0.03	0.03	0.035	--	0.04	0.06	0.05	0.1	0.05	0.04	--
	Prod.	0.03	0.01	0.01	0.01	--	0.02	0.03	0.02	0.06	0.03	0.02	--
	Yield	500	333	333	286	--	500	500	400	600	600	500	--
Sundargarh	Area	0.5	0.6	0.5	0.5	--	0.55	0.53	0.55	0.86	0.49	0.29	0.31
	Prod.	0.16	0.16	0.23	0.14	--	0.23	0.27	0.14	0.48	0.24	0.16	0.19
	Yield	320	267	460	280	--	418	509	500	558	490	552	613

Rajasthan

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	
Ajmer	Area	0.035	0.014	0.017	--	0.2	0.015	0.019	0.036	0.093	0.1	1.041
	Prod.	0.022	--	0.013	--	--	0.015	0.016	0.026	0.013	0.038	0.065
	Yield	629	--	765	--	--	1000	842	722	140	380	62
Alwar	Area	0.003	--	--	--	0.003	--	--	--	--	--	--
	Prod.	0.001	--	--	--	0.003	--	--	--	--	--	--
	Yield	333	--	--	--	1000	--	--	--	--	--	--
Banswara	Area	0.047	0.011	0.014	--	0.031	0.002	0.001	0.005	0.005	0.031	0.032
	Prod.	0.018	--	0.005	--	0.007	--	--	0.001	0.002	0.006	--
	Yield	383	--	357	--	226	--	--	200	400	194	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Baran	Area	0.002	--	0.013	--	--	--	--	0.002	--	0.002
	Prod.	--	--	0.017	--	--	--	--	0.008	--	0.002
	Yield	--	--	1308	--	--	--	--	4000	--	1000
Barmer	Area	4.2	4.8	9.7	--	18.5	21.3	23.7	22.2	29.5	43.147
	Prod.	3.8	4.8	12	--	8.2	17.3	18.9	11.4	23.8	33.663
	Yield	905	1000	1237	--	482	812	798	514	807	780
Bharatpur	Area	0.003	0.009	0.025	--	0.003	0.023	0.014	0.006	0.014	0.183
	Prod.	0.002	0.003	0.023	--	0.003	0.003	0.009	0.005	0.014	0.183
	Yield	667	333	920	--	1000	130	643	833	1000	1000
Bhilwara	Area	0.004	0.012	0.077	--	0.021	0.014	0.016	0.029	0.015	0.337
	Prod.	0.001	0.001	0.065	--	0.036	0.002	0.011	--	0.006	0.172
	Yield	250	83	844	--	1714	143	688	--	400	510
Bikaner	Area	0.06	0.032	0.3	--	0.4	0.1	0.081	0.093	0.1	0.581
	Prod.	0.03	0.014	0.2	--	0.3	0.088	0.1	0.041	0.1	0.577
	Yield	500	438	667	--	750	880	1000	441	1000	993
Bundi	Area	--	0.019	0.048	--	0.007	--	--	--	--	0.021
	Prod.	--	0.005	0.048	--	0.007	--	--	--	--	0.021
	Yield	--	263	1000	--	1000	--	--	--	--	1000
Chittorgarh	Area	0.009	0.008	0.013	--	0.007	0.005	--	0.027	0.006	0.026
	Prod.	0.005	0.001	0.008	--	0.006	--	--	0.013	0.005	0.037
	Yield	556	125	615	--	857	800	--	482	833	1423
Churu	Area	--	--	0.01	--	0.2	0.019	--	--	--	0.011
	Prod.	--	--	0.005	--	0.076	0.004	--	--	--	0.004
	Yield	--	--	500	--	380	211	--	--	--	364

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Dausa	Area	--	--	--	0.003	0.002	--	--	0.001	--	--
	Prod.	--	--	--	0.003	0.001	--	--	0.001	--	--
	Yield	--	--	--	1000	500	--	--	1000	--	--
Dholpur	Area	0.002	0.003	--	0.002	0.002	--	--	0.004	0.001	--
	Prod.	0.003	0.002	--	0.002	0.002	--	--	--	0.001	--
	Yield	1500	667	--	1000	1000	--	--	--	1000	--
Dungapur	Area	0.04	0.004	0.075	--	0.2	0.2	0.094	0.1	0.032	0.549
	Prod.	0.006	--	0.075	--	0.045	0.2	0.016	0.002	0.024	0.124
	Yield	150	--	1000	--	225	1000	170	20	750	226
Ganganagar	Area	0.037	0.056	2	--	1.4	0.3	0.8	1	1.7	3.052
	Prod.	0.018	0.048	1.4	--	1.9	0.4	1.2	0.7	1.2	1.601
	Yield	487	857	700	--	1357	1333	1500	700	706	525
Hanumangarh	Area	0.053	0.3	5.5	--	11	6.2	3.1	1.4	4.2	5.611
	Prod.	0.039	0.1	7	--	15.3	12.5	5.8	1.8	7.3	10.526
	Yield	736	333	1273	--	1391	2016	1871	1286	1738	1876
Jaipur	Area	0.014	0.018	0.012	--	0.4	0.02	0.04	0.081	0.021	0.027
	Prod.	0.013	0.001	0.009	--	0.006	0.4	0.019	0.001	0.021	0.025
	Yield	929	56	750	--	600	1000	950	575	1000	926
Jaisalmer	Area	0.09	0.085	0.2	--	0.7	0.8	1.2	1.2	2.1	7.493
	Prod.	0.019	0.005	0.054	--	0.7	0.3	0.4	0.2	0.6	2.116
	Yield	211	59	270	--	583	429	375	333	286	282
Jalore	Area	19	7.9	24.9	--	30.8	48.4	59.4	52.2	67.3	123.273
	Prod.	24.1	14.1	40.2	--	33.5	88.3	100.4	60.7	133.8	245.865
	Yield	1268	1785	1615	--	153	1088	1824	1163	1988	1994

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Jhalawar	Area	0.001	--	--	--	--	--	--	--	--	0.002
	Prod.	0.001	--	--	--	--	--	--	--	--	0.001
	Yield	1000	--	--	--	--	--	--	--	--	500
Jhunjhunu	Area	--	--	0.001	0.5	0.1	0.028	0.048	0.061	0.066	0.354
	Prod.	--	--	0.001	0.2	0.07	0.014	0.022	0.008	0.028	0.157
	Yield	--	--	1000	400	700	500	458	131	424	444
Jodhpur	Area	2.6	1.8	4.8	16.2	11.9	14.8	18.8	20.1	25.7	40.266
	Prod.	2	1	3.8	9	6.8	8.9	11.2	3.6	12.7	20.077
	Yield	769	556	792	556	571	601	596	179	494	499
Karauli	Area	0.001	--	--	--	0.001	--	--	--	--	0.001
	Prod.	--	--	--	--	0.001	--	--	--	--	0.001
	Yield	--	--	--	--	1000	--	--	--	--	1000
Kota	Area	0.019	0.004	0.003	--	0.011	0.001	0.005	0.002	--	--
	Prod.	0.036	--	0.006	--	0.066	0.001	0.003	0.001	--	--
	Yield	1895	--	2000	--	6000	1000	600	500	--	--
Nagaur	Area	0.2	0.028	0.073	0.3	0.2	0.1	0.1	0.046	0.1	0.818
	Prod.	0.1	0.034	0.067	0.2	0.3	0.1	0.096	0.045	0.2	0.96
	Yield	500	1214	918	667	1500	1000	960	978	2000	1174
Pali	Area	1.7	1.1	2	3.4	1.5	3.3	3.7	3.1	2.8	10.904
	Prod.	4.3	0.056	1.5	1.4	1.3	1.2	2.4	0.1	1.8	8.367
	Yield	2529	51	750	412	867	364	649	32	643	767
Rajsamand	Area	0.053	0.004	--	--	0.001	0.001	--	0.002	--	--
	Prod.	0.053	--	--	--	--	--	--	0.001	--	--
	Yield	1000	--	--	--	--	--	--	500	--	--

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Sawai Madhopur	Area	--	0.001	--	0.006	--	0.008	0.002	--	--	0.005
	Prod.	0.001	--	0.001	--	0.006	0.007	0.001	--	--	0.005
	Yield	1000	--	1000	--	1000	875	500	--	--	1000
Sikar	Area	--	0.001	--	0.01	0.001	0.002	0.017	0.076	0.002	0.012
	Prod.	--	--	--	0.014	--	0.001	0.012	0.024	0.001	0.012
	Yield	--	--	--	1400	--	500	706	316	500	1000
Sirohi	Area	17.8	9.8	13.8	--	14.9	30.4	36	29.1	32.9	53.173
	Prod.	31.4	1.7	23.5	--	25.7	57.1	53.3	7.4	59.5	105.716
	Yield	1764	174	1703	--	1725	1878	1481	254	1809	1988
Tonk	Area	0.003	0.004	0.003	--	0.006	0.004	0.006	0.032	0.043	0.352
	Prod.	0.007	0.002	0.002	--	0.006	0.004	0.009	--	0.02	0.175
	Yield	2333	500	667	--	1000	1000	1500	--	465	497
Udaipur	Area	0.054	0.043	0.026	--	0.047	0.026	0.014	0.021	0.017	0.017
	Prod.	0.034	0.02	0.025	--	0.025	0.004	0.013	0.001	0.014	0.009
	Yield	630	465	962	--	532	333	1000	48	824	529

Tamil Nadu

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Aniyalur	Area	--	--	--	--	--	--	0.027	0.021	0.027	0.038	0.065	0.031
	Prod.	--	--	--	--	--	--	--	0.006	0.007	0.008	0.014	0.01
	Yield	--	--	--	--	--	--	--	286	259	211	215	323
Coimbatore	Area	--	0.2	0.2	0.2	0.3	0.2	0.092	0.08	0.032	0.032	0.064	0.066
	Prod.	--	0.062	0.076	0.087	0.2	0.1	0.073	0.029	0.059	0.011	0.011	0.023
	Yield	--	310	380	435	400	333	365	363	1844	344	172	349

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Cuddalore	Area	--	0.1	0.073	0.027	0.2	0.006	0.009	0.011	0.019	0.002	0.021	0.003
	Prod.	--	0.094	0.052	0.018	0.1	0.004	0.006	0.008	0.007	0.013	0.004	0.002
	Yield	--	940	712	667	500	667	667	727	368	6500	191	667
Dharmapuri	Area	--	3.2	0.6	0.1	0.2	0.2	0.077	0.07	0.3	0.7	1	0.2
	Prod.	--	1.1	0.2	0.051	0.056	0.067	0.026	0.024	0.049	0.098	0.053	0.064
	Yield	--	344	333	510	280	338	338	343	163	140	53	320
Dindigul	Area	--	0.052	0.039	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.046
	Prod.	--	0.021	0.016	0.054	0.052	0.069	0.047	0.058	0.061	0.07	0.022	0.017
	Yield	--	404	410	540	520	345	470	580	305	700	73	370
Erode	Area	--	0.9	1.1	1.3	1.3	1	0.8	1	0.6	0.4	1	0.3
	Prod.	--	0.2	0.3	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.095	0.1
	Yield	--	222	273	308	308	300	250	300	333	500	95	333
Kanchipuram	Area	--	--	0.002	0.004	0.012	--	0.011	0.005	--	0.002	0.002	--
	Prod.	--	--	0.001	0.001	0.002	--	0.002	0.001	--	--	--	--
	Yield	--	--	500	250	167	--	182	200	--	--	--	--
Kanyakumari	Area	--	--	--	--	0.1	--	--	--	--	--	--	--
	Prod.	--	--	--	--	0.033	--	--	--	--	--	--	--
	Yield	--	--	--	--	330	--	--	--	--	--	--	--
Karur	Area	--	0.006	0.011	0.083	0.2	0.029	0.013	0.045	0.017	0.025	0.036	0.008
	Prod.	--	0.003	0.005	0.036	0.1	0.013	0.006	0.02	0.008	0.005	0.046	0.003
	Yield	--	500	455	434	500	448	462	444	471	200	1278	375
Krishnagiri	Area	--	--	--	0.7	0.6	0.5	0.4	0.4	0.5	1	1.5	1.1
	Prod.	--	--	--	0.2	0.2	0.2	0.2	0.1	0.098	0.2	0.3	0.3
	Yield	--	--	--	286	333	400	500	250	327	200	200	273

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Madurai	Area	--	0.02	0.036	0.028	0.072	0.1	0.2	0.3	0.1	0.076	0.091	0.2	0.033
	Prod.	--	0.008	0.012	0.009	0.026	0.044	0.087	0.091	0.046	0.059	0.027	0.03	0.01
	Yield	--	400	333	321	361	440	435	303	460	776	297	150	303
Namakkal	Area	--	8.1	3.3	2.9	3.2	1.7	1.8	1.5	1.7	2.4	1.8	4.2	2.4
	Prod.	--	2.4	1	0.9	1	0.5	0.5	0.4	0.5	0.5	0.7	0.7	0.7
	Yield	--	296	303	310	313	294	278	267	294	208	389	167	292
Perambalur	Area	--	0.4	0.3	0.2	0.1	0.1	0.1	0.095	0.091	0.096	0.1	0.2	0.1
	Prod.	--	0.1	0.086	0.053	0.042	0.037	0.05	0.041	0.031	0.038	0.032	0.023	0.044
	Yield	--	250	287	265	420	370	500	432	341	396	320	115	440
Pudukkottai	Area	--	--	--	--	0.005	0.001	0.004	0.002	0.001	--	0.002	0.002	--
	Prod.	--	--	--	--	0.001	--	0.001	--	--	--	--	--	--
	Yield	--	--	--	--	200	--	250	--	--	--	--	--	--
Ramanathapuram	Area	--	--	--	0.011	0.015	0.006	--	0.1	0.098	0.067	0.003	0.07	--
	Prod.	--	--	--	0.003	0.005	0.002	--	0.037	0.031	0.023	0.021	--	--
	Yield	--	--	--	273	333	333	--	370	316	343	7000	--	--
Salem	Area	--	3.5	0.6	1	0.5	0.5	0.4	0.7	0.7	0.9	0.9	1.8	0.9
	Prod.	--	1	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.3
	Yield	--	286	333	300	400	200	250	286	286	222	333	111	333
Sivaganga	Area	--	--	--	0.008	0.001	0.002	--	0.05	0.01	0.005	0.006	0.011	0.006
	Prod.	--	--	--	0.002	--	0.001	--	0.016	0.003	0.005	0.002	0.002	0.002
	Yield	--	--	--	250	--	500	--	320	300	1000	333	182	333
Thanjavur	Area	--	--	0.02	0.004	0.003	0.002	0.003	0.003	0.001	0.002	0.003	0.005	--
	Prod.	--	--	0.008	0.002	0.001	0.001	0.001	0.001	--	0.001	0.001	--	--
	Yield	--	--	400	500	333	500	333	333	--	500	333	--	--

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District		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Vellore	Area	--	0.8	1.2	0.6	0.3	0.2	0.1	0.2	0.1	0.2	0.3	0.4	0.3
	Prod.	--	0.3	0.5	0.2	0.096	0.075	0.05	0.082	0.043	0.061	0.056	0.092	0.1
	Yield	--	375	417	333	320	375	500	410	430	305	187	230	333
Viluppuram	Area	--	0.014	0.5	0.04	0.1	0.029	0.046	0.032	0.033	0.019	0.014	0.033	0.2
	Prod.	--	0.01	0.4	0.027	0.1	0.02	0.031	0.022	0.022	0.022	0.013	0.006	0.1
	Yield	--	714	800	675	1000	690	674	688	667	1158	929	182	500
Virudhunagar	Area	--	0.023	0.021	0.067	0.046	0.037	0.024	0.027	0.016	0.02	0.025	0.045	0.034
	Prod.	--	0.005	0.004	0.014	0.01	0.008	0.005	0.006	0.004	0.005	0.004	0.01	0.008
	Yield	--	217	191	209	217	216	208	222	250	250	160	222	235

Telangana

District		2013-14	2014-15
Adilabad	Area	0.135	--
	Prod.	0.095	--
	Yield	707	--
Karimnagar	Area	0.013	--
	Prod.	0.009	--
	Yield	707	--
Khammam	Area	--	--
	Prod.	--	--
	Yield	--	--
Mahbubnagar	Area	71.869	--
	Prod.	52.824	--
	Yield	735	--
Medak	Area	1.388	--
	Prod.	0.982	--
	Yield	707	--
Nalgonda	Area	2.95	--
	Prod.	0.679	--
	Yield	230	--
Nizamabad	Area	0.02	--
	Prod.	0.014	--
	Yield	707	--
Ranga Reddy	Area	2.982	--
	Prod.	1.619	--
	Yield	543	--
Warangal	Area	0.476	--
	Prod.	0.258	--
	Yield	541	--

Source: Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

Various State DES websites and State Department of Agriculture websites.

10 SAFFLOWER

10.1 World Area, Production and Yield of Safflower (Area in '000 ha; Production in '000 MT; Yield in kg/ha)

Year	Area	Production	Yield
1986	1337	738	552
1987	1401	800	571
1988	1516	957	631
1989	1220	836	685
1990	1213	837	690
1991	1146	608	531
1992	882	551	625
1993	1090	783	718
1994	1099	868	790
1995	1183	842	712
1996	1096	872	796
1997	1039	888	855
1998	627	603	962
1999	957	831	868
2000	826	625	757
2001	802	550	686
2002	728	546	750
2003	890	707	794
2004	965	656	680
2005	839	587	700
2006	705	535	759
2007	755	627	830
2008	722	629	871
2009	795	653	821
2010	810	653	806
2011	790	677	857
2012	965	842	873
2013	890	718	807
2014	1010	868	859

Source: <http://faostat3.fao.org>

10.2 Area, Production and Yield of Safflower in Major Countries of the World

(Area in '000 ha; Production in '000 MT; Yield in kg/ha)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Argentina	Area	53.4	29.5	22	30.4	47.8	25.3	74.3	44.1	97	66.1	79.3	161.5	87.5
	Prod.	43.7	23.5	13.3	18	50.8	17.8	58	33.5	87	43.9	56.1	108.3	49.8
	Yield	818	797	605	592	1063	704	781	760	897	664	707	671	569	699
Australia	Area	3.6	35	41.5	45	45	18.2	6.1	10.2	12.1	7.8	10.4	9.5	8
	Prod.	1.9	26	28	28	28.5	13.9	2	7.5	6.2	4.9	6.1	4.8	4.6
	Yield	528	743	675	622	633	764	328	735	512	628	587	505	575
China	Area	19	21	19	22	21	22	21	22	23	22.6	22.1	23	23.3
	Prod.	30	32	28	30	32	30	32	32.5	34	33.5	34.7	36	35.9
	Yield	1579	1524	1474	1364	1524	1364	1524	1477	1478	1482	1570	1565	1541
Ethiopia	Area	8.3	5.5	8.4	8.4	9.7	8.9	13	9	4.7	5.5	8.2	11.4	11.5
	Prod.	5	3.8	5	5	7	6	11.2	8.1	5.6	5.1	8.9	13.3	8.3
	Yield	602	691	595	595	722	674	862	900	1192	927	1085	1167	722
India	Area	424.8	404.3	369.5	363.9	369.1	364.6	350	350.5	294.6	287.8	229.1	178	150
	Prod.	202	230	178.5	134.9	173.6	228.6	240	225	189.2	178.8	150	145	109
	Yield	476	569	483	371	470	627	686	642	642	621	655	815	727
Kazakhstan	Area	63.8	62.5	133.6	140.3	124	70.4	74	79.9	194	241.5	243.6	276.5	310
	Prod.	25	37.9	94.8	76.1	61.7	45.7	43.9	45.7	84.1	122.2	151.2	127.2	174.9
	Yield	392	606	710	542	498	649	593	572	569	630	626	522	633
Kyrgyzstan	Area	10.6	8.7	17	25.3	18.5	16	14.5	15.6	15.9	11.8	12.2	13.5	14
	Prod.	8.1	7	15.3	22.5	15.2	13	12	12.8	14.6	11.3	10.9	12.3	12.9
	Yield	764	805	900	889	822	813	828	821	918	958	893	911	921
Mexico	Area	112.9	52.8	146.6	212	87	69.9	93.1	65	65.3	83.9	62.8	172.9	80.5
	Prod.	111.5	52.9	200.6	230.9	94.4	73.5	113.3	96.4	76.8	97.1	130.9	257.5	91.8
	Yield	988	1002	1368	1089	1085	1052	1217	1483	1176	1157	2084	1489	1260

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
United Republic of Tanzania	Area	19.2	19.2	20.2	22	21.8	23.8	23.3	23.9	23	23.9	23.5	24	24.2
	Prod.	7.4	6.7	6.8	8.4	8	8.8	9.9	11.1	13	12.9	12.7	13	13.4
	Yield	385	349	337	382	348	367	370	425	464	565	540	540	542	554
United States of America	Area	71.6	74.9	86.2	64.3	66.2	69.4	78.9	67	67.9	51.5	64.8	69.1	68.9
	Prod.	109	120.5	124.6	86.8	99.3	89.3	95.5	140.8	109.8	77	78.9	95.4	94.6
	Yield	1522	1609	1446	1350	1500	1233	1376	1785	1639	1479	1218	1381	1373
Uzbekistan	Area	9.6	10	15.6	22.7	15.8	6.2	10	15	20	22.2	28.3	39.7	40
	Prod.	2.7	2.7	5.1	8.3	7.1	3.5	4.5	8.5	11	10.6	12.7	25.9	26
	Yield	281	270	327	366	449	569	565	450	567	478	449	652	650
Africa	Area	27.5	24.7	28.6	30.4	32.7	36.9	32.3	28.6	28.5	32.1	34.9	35.5	31.1
	Prod.	12.4	10.5	11.8	13.4	15.1	13.9	20	18	16.7	21.8	26	21.3	19.5
	Yield	451	425	413	441	462	453	542	557	584	679	745	600	627
Americas	Area	240.4	158.7	256.8	308.2	203.1	169.7	190.5	231.8	220.5	196.3	401.8	239.7	281
	Prod.	267	197.9	340.5	337.9	247.3	183.4	269.5	274.1	277	244.8	448.3	240.6	309.1
	Yield	1111	1247	1326	1096	1218	1081	1127	1439	1195	1110	1364	1004	1100
Asia	Area	529	508.6	559.8	579.8	557	485.3	472.4	521.4	552.8	544.7	505.5	536.1	574.1
	Prod.	268.4	311	324.9	275.4	295.5	323.2	335.5	328.9	384.4	376.9	354.8	406.5	446.7
	Yield	507	612	580	475	531	666	710	675	695	692	702	758	778
Europe	Area	1.7	0.7	3.4	1.2	0.9	0.7	0.4	1.8	0.8	6.3	13.1	70.8	115.3
	Prod.	0.8	0.8	1.4	0.9	0.7	0.5	0.2	0.9	0.6	4.9	8.1	45.1	87.3
	Yield	471	1143	412	750	778	714	500	500	625	778	618	637	757
Oceania	Area	3.6	35	41.5	45	45	18.2	6.1	10.2	7.8	10.4	9.5	8	8.7
	Prod.	1.9	26	28	28	28.5	13.9	2	7.5	6.2	6.1	4.8	4.6	5
	Yield	528	743	675	622	633	764	328	735	512	587	505	575	575
World	Area	802.2	727.7	890.1	964.6	838.7	704.6	755	722	795.1	810.4	964.8	890.1	1010.2
	Prod.	550.5	546.2	706.6	655.6	587.1	534.9	627.2	629.4	653	652.7	677.4	842	867.6
	Yield	686	751	794	680	700	759	831	872	821	805	858	807	859

Source: <http://faostat3.fao.org>

10.3 All India Area, Production and Yield of Safflower

(Area - '000 ha.; Production - '000 tonnes; Yield - kg/ha)

Year	Area	Prod.	Yield	Year	Area	Prod.	Yield
1965-66	462.0	69.0	149	1990-91	823.2	320.1	389
1966-67	477.5	72.3	151	1991-92	501.1	202.8	405
1967-68	512.5	77.7	152	1992-93	734.1	348.3	475
1968-69	577.7	93.7	162	1993-94	793.1	521.5	658
1969-70	580.2	142.4	245	1994-95	790.8	422.9	535
1970-71	587.9	153.9	262	1995-96	679.7	383.3	564
1971-72	597.7	130.5	218	1996-97	712.5	450	632
1972-73	423.3	81.8	193	1997-98	619.8	120	194
1973-74	613.8	191.0	311	1998-99	440.2	240	545
1974-75	647.8	211.9	327	1999-00	438.5	260	593
1975-76	673.6	238.3	354	2000-01	424.8	200	471
1976-77	683.0	219.6	322	2001-02	404.3	220.6	546
1977-78	706.5	187.8	266	2002-03	369.5	178.5	483
1978-79	703.0	209.0	297	2003-04	363.9	134.9	371
1979-80	733.3	279.4	381	2004-05	369.1	173.6	470
1980-81	719.9	335.1	466	2005-06	364.6	228.6	627
1981-82	748.5	421.5	563	2006-07	377	240.3	637
1982-83	782.1	395.9	506	2007-08	320.3	224.5	701
1983-84	831.3	500.9	603	2008-09	294.6	189.2	642
1984-85	918.1	515.2	561	2009-10	287.8	178.8	621
1985-86	911.3	347.9	382	2010-11	243.8	150.4	617
1986-87	892.2	352.5	395	2011-12	250.4	145.3	580
1987-88	1051.9	462.2	439	2012-13	183.5	108.5	591
1988-89	815.5	444.9	546	2013-14	177.7	113.4	638
1989-90	842.3	486.5	577				

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

10.4 State-wise Area, Production and Yield of Safflower in India

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

state	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Andhra Pradesh	Area	19.3	17	19	17	14	16	13	14	13	10	11	8	5
	Prod.	6	6.5	5	8	8	12	6	6	9	7	9.075	6	4
	Yield	300	337	294	421	471	643	750	462	429	692	700	825	750	800
Bihar	Area	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.13	0.07	0.28	0.1	1.64	0.7
	Prod.	0.4	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.06	0.23	0.08	1.32	0.5
	Yield	571	500	1000	1000	1000	500	1000	1000	769	857	821	800	805	806
Chhatisgarh	Area	0.3	0.5	0.9	1.3	1.1	0.7	0.9	0.5	0.9	0.7	0.5	0.6	0.5
	Prod.	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.1	0.3	0.2	0.1	0.2	0.1
	Yield	333	200	222	231	273	286	222	200	333	286	200	333	200
Gujarat	Area	-	-	-	-	-	-	18	14	-	60	17	15	15
	Prod.	-	-	-	-	-	-	18	12	-	35	10	9	3
	Yield	-	-	-	-	-	-	1000	857	-	583	588	600	200
Jharkhand	Area	-	-	-	-	-	0.3	0.5	0.8	0.2	0.3	0.5	0.4	0.6
	Prod.	-	-	-	-	-	0.1	0.2	0.3	0.1	0.1	0.2	0.2	0.5
	Yield	-	-	-	-	-	333	400	335	401	401	500	523	828
Karnataka	Area	92	84.9	98.6	94	81	81	70	68	55	55	48	43	33
	Prod.	72.8	55.2	41.6	44	60	61	57	50	46	35	30	34	17
	Yield	791	650	422	468	741	753	814	735	836	636	625	791	515
Madhya Pradesh	Area	0.3	0.3	0.6	0.6	1	0.6	0.4	0.7	0.4	-	0.1	0.2	29
	Prod.	0.1	0.1	0.2	0.1	0.3	0.2	0.1	0.2	0.1	-	-	0.1	21
	Yield	333	333	333	167	300	333	250	286	250	-	-	500	724

state	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Maharashtra	Area	287	263	245	252	263	279	231	186	188	173	105	107	125.3
	Prod.	139	116	87	120	159	169	154	105	109	94	58	61	48.9
	Yield	484	441	355	476	605	606	667	565	580	543	552	570	390
Odisha	Area	4	1.3	1.6	2	1.3	1.2	1.3	1.2	0.74	0.75	0.849	0.88	0.6
	Prod.	2.2	0.5	0.7	1	0.8	0.7	0.8	0.7	0.43	0.45	0.52	0.53	0.4
	Yield	550	385	438	500	615	583	615	583	581	600	612	602	609
Uttar Pradesh	Area	-	-	-	-	-	-	-	-	-	-	-	-	-
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	Area	-	-	-	-	-	-	-	0.59	0.526	0.422	0.5	1	1
	Prod.	-	-	-	-	-	-	-	0.54	0.441	0.362	0.5	1	1
	Yield	-	-	-	-	-	-	-	915	838	858	1000	1000	1000
Others	Area	-	-	-	-	-	-	-	-	-	-	-	-	-
	Prod.	-	-	-	-	-	-	-	-	-	-	-	-	-
	Yield	-	-	-	-	-	-	-	-	-	-	-	-	-
All India	Area	404.3	369.5	363.9	369.1	364.6	377	320.3	294.6	287.812	250.414	183.509	177.733	210.7
	Prod.	220.6	178.5	134.9	173.6	228.6	240.3	224.5	189.2	178.822	145.331	108.505	113.366	96.4
	Yield	546	483	371	470	627	637	701	642	621	617	591	638	457

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>
Various states DES website and State Department of Agriculture websites

10.5 District-wise Area, Production and Yield of Safflower in India

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Andhra Pradesh

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Adilabad	Area	1.5	0.7	0.5	0.5	0.3	--	--	0.2	0.1	0.2	0.058	--
	Prod.	0.5	0.2	0.2	0.2	0.2	--	--	0.076	0.076	0.1	0.094	--
	Yield	333	286	286	400	400	667	--	--	380	760	500	1628
Ananthapuramu	Area	3.8	2.6	0.3	0.2	0.2	0.084	0.1	0.046	0.045	0.084	0.02	0.058
	Prod.	0.5	0.3	0.011	0.01	0.033	0.028	0.044	0.02	0.031	0.063	0.033	0.041
	Yield	132	115	37	50	165	389	440	435	689	750	1628	707
YSR Kadapah	Area	--	0.001	--	0.004	0.028	--	--	--	0.1	--	0.005	--
	Prod.	--	--	--	0.001	0.009	--	--	--	0.082	--	0.008	--
	Yield	--	--	--	250	321	--	--	--	820	--	1628	--
Guntur	Area	--	--	0.006	--	--	--	--	--	--	--	--	--
	Prod.	--	--	0.002	--	--	--	--	--	--	--	--	--
	Yield	--	--	333	--	--	--	--	--	--	--	--	--
Karimnagar	Area	0.016	0.002	0.2	--	--	--	--	--	--	--	--	--
	Prod.	0.005	0.001	0.068	--	--	--	--	--	--	--	--	--
	Yield	313	500	340	--	--	--	--	--	--	--	--	--
Khammam	Area	--	--	--	--	0.018	--	--	--	--	--	--	--
	Prod.	--	--	--	--	0.008	--	--	--	--	--	--	--
	Yield	--	--	--	--	444	--	--	--	--	--	--	--
Kurnool	Area	2.1	1.6	2.4	1.1	1.4	0.568	0.4	0.7	0.8	0.1	0.251	0.1
	Prod.	0.8	0.6	0.8	0.3	0.5	0.3	0.191	0.2	0.8	0.1	0.131	0.07
	Yield	381	375	333	273	357	429	336	286	1000	1000	521	700
Mahabubnagar	Area	0.8	1.9	0.9	0.6	0.7	0.7	0.8	0.6	0.9	0.8	0.681	--
	Prod.	0.3	0.8	0.3	0.3	0.3	0.2	0.13	0.4	0.6	0.6	1.109	--
	Yield	375	421	333	500	429	286	229	667	667	750	1628	--

Karnataka

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Bagalkot	Area	4.8	3.9	2.8	2.9	2.9	3.1	3.6	2.6	2.708	2.5	1.338	0.91
	Prod.	2.8	2.7	0.3	0.9	1.3	2.7	2.3	1.7	2.14	2.225	0.824	0.272
	Yield	583	692	107	310	448	871	639	654	832	937	648	315
Belgaum	Area	4.7	6.4	10.4	11.5	9.7	7.8	6.9	6.1	5.901	6.059	4.847	2.388
	Prod.	2.7	3.5	2.7	5.5	7	4.3	5.2	3.1	6.632	2.595	1.552	1.348
	Yield	575	547	260	478	722	551	754	508	1183	451	337	594
Bellary	Area	5.3	2.3	4.9	6	4.8	3.2	1.3	1.3	0.819	0.069	0.371	0.121
	Prod.	2.1	0.6	1.2	2	1.6	2	0.5	0.4	0.304	0.016	0.167	0.202
	Yield	396	261	245	333	333	625	385	308	391	244	475	1760
Bidar	Area	11.2	10.9	11.1	12.2	12.7	11.7	10	11.4	11.398	9.423	11.441	11.513
	Prod.	16.3	14.2	14.5	9.8	15.9	16	14.6	13.4	14.174	11.637	11.162	11.725
	Yield	1455	1303	1306	803	1252	1368	1460	1241	1351	1309	1027	1072
Chikkamagaluru	Area	0.08	0.029	0.004	0.01	0.043	0.1	0.052	0.03	0.032	0.043	--	--
	Prod.	0.062	0.019	0.002	0.005	0.033	0.078	0.044	0.044	0.023	0.027	0.026	--
	Yield	775	655	500	500	767	780	846	815	767	872	646	--
Chitradurga	Area	1.4	2.7	5.5	4.2	3.1	2.9	2	3.5	0.523	0.602	0.204	0.825
	Prod.	0.5	1.8	2	1.4	0.6	2.5	1	1.1	0.297	0.17	0.076	0.405
	Yield	357	667	364	333	194	862	500	553	597	298	393	517
Davanagere	Area	0.058	0.2	0.3	0.2	0.02	0.045	0.2	0.03	0.067	0.023	--	--
	Prod.	0.045	0.2	0.1	0.036	0.015	0.033	0.1	0.024	0.056	0.014	--	--
	Yield	776	1000	333	180	750	733	500	800	872	646	--	--
Dharwad	Area	7.2	6.3	14.7	15.6	8.8	9.6	7	7.2	5.441	14.884	10.716	8.151
	Prod.	4	3.1	2.2	10.4	9.3	11.1	10.2	10.9	5.867	7.092	3.614	4.569
	Yield	556	492	150	667	1057	1156	1146	1557	958	1135	355	590

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Gadeg	Area	2.8	6.8	4.4	5.1	3.8	5.9	3.2	4.4	1.714	1.852	5.193	3.949
	Prod.	2.2	2.2	1.6	2.9	2.8	2.7	3.4	4.3	1.291	1.001	3.883	2.547
	Yield	786	324	364	569	737	458	1063	977	950	569	787	679
Gulbarga	Area	21.1	19.1	17.8	15.4	15.6	12.8	11.3	14.4	9.877	5.88	5.147	4.979
	Prod.	16.4	13.8	8.4	6.6	10.9	8.4	7.7	9.1	5.968	3.962	4.807	5.719
	Yield	777	723	472	429	699	656	681	632	742	709	983	1209
Haveri district	Area	1.7	1.4	2.3	1.5	1.9	1.8	1.8	2.5	1.453	1.049	1.717	1.08
	Prod.	0.9	0.6	0.7	1.3	1.4	1.2	1.5	1.8	0.577	1.046	1.194	0.926
	Yield	529	429	304	867	737	667	833	720	700	1050	732	903
Koppal	Area	7.6	6.4	7.5	7.3	5.7	4.2	6.8	3.8	4.675	1.063	1.208	4.582
	Prod.	6	2.1	1.7	2.8	2.5	1	4.2	2	2.891	0.616	0.831	4.409
	Yield	790	328	227	384	439	238	618	526	419	610	724	1013
Raichur	Area	13.8	9	8.1	7.2	7.3	7.3	5	3.8	3.517	2.874	1.35	0.781
	Prod.	12.4	5.5	4.5	2	6.7	5.5	5.5	2.9	2.469	1.911	0.596	0.683
	Yield	899	611	556	278	918	753	1100	763	739	700	465	920
Shimoga	Area	--	--	--	0.004	0.002	--	--	--	0.003	0.009	0.015	0.008
	Prod.	--	--	--	0.002	0.002	--	--	0.002	--	0.006	0.009	0.006
	Yield	--	--	--	500	1000	--	--	--	667	646	661	834
Tumkur	Area	0.02	--	--	0.014	0.015	0.014	--	--	--	--	--	0.026
	Prod.	0.016	--	--	0.007	0.011	0.01	--	--	--	--	--	0.021
	Yield	800	--	--	500	733	714	--	--	--	--	--	834
Vijayapura	Area	10.4	9.5	9.1	5.6	4.7	8.4	6.9	10.2	7.4	0.982	0.881	0.565
	Prod.	6.5	4.9	1.7	3.2	1.6	3.4	2	5	3.4	0.627	0.343	0.376
	Yield	625	516	187	571	340	405	290	490	460	368	578	700

Maharashtra

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Ahmednagar	Area	27.4	24.7	20.3	20.8	21	17.1	0.1	11.1	8.8	6.7	1
	Prod.	11.7	7.8	3.4	12.4	7.2	9.3	0.087	7	5.3	1.8	0.05
	Yield	427	316	168	596	343	544	870	631	766	602	262	47
Akola	Area	3.4	2.2	2	1.9	2.8	6.8	0.045	2.5	2	0.5	0.5
	Prod.	2.2	1.2	1.1	0.7	2.2	5.7	0.042	0.9	0.5	0.2	0.3
	Yield	647	546	550	368	786	838	933	360	790	250	410	580
Amravati	Area	2.6	1.9	2.2	3.4	5.8	5.2	0.032	2.2	0.7	0.1	0.1
	Prod.	1.3	1	1.2	1.2	3.7	3.7	0.025	0.9	0.3	0.1	0.1
	Yield	500	526	546	353	638	712	781	409	870	429	639	1041
Aurangabad	Area	25.1	14.1	17.8	17.1	14.3	15.3	0.094	10.2	9.4	2	1
	Prod.	12.9	4.1	5.5	9.1	10.5	13.1	0.077	7.4	4.9	1.6	0.3
	Yield	514	291	309	532	734	856	819	726	521	800	297
Beed	Area	30.5	27.5	23.3	24.4	23.3	23.6	0.2	10.5	6.1	3.8	2.6
	Prod.	13.7	12.7	4.5	12.4	14.4	13.5	0.076	5.9	2.5	1.2	0.9
	Yield	449	462	193	508	618	572	380	562	513	410	362
Buldhana	Area	3.3	1.9	1.8	1.9	2.9	5.3	0.042	1.7	2.2	0.7	0.8
	Prod.	1.6	0.9	0.9	0.6	1.4	3.4	0.029	0.8	1.3	0.5	1.3
	Yield	485	474	500	316	483	642	691	471	960	591	696	1595
Hingoli	Area	22	26.1	27.3	28.8	32.5	38.1	0.3	22.7	20.5	22.2	22.1
	Prod.	8.4	9.4	12.6	9.9	14.2	20.9	0.2	11.6	13.8	15.4	16.3
	Yield	382	360	462	344	437	549	667	511	673	583	624
Jalgaon	Area	--	--	--	--	--	--	0.003	1.3	0.5	0.2	0.3
	Prod.	--	--	--	--	--	--	0.002	0.7	1.2	0.1	0.1
	Yield	--	--	--	--	--	--	667	539	750	269	230

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District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Jalga	Area	24.3	22.3	19.4	18.1	21.1	0.1	13	11.8	9.5	2.5	1.1
	Prod.	15.2	14.3	10.7	21.1	17.3	0.1	9.6	7	6.5	1.6	0.2
	Yield	626	641	535	881	820	1000	739	593	684	627	141
Latur	Area	20.6	19.3	21.1	21.8	24.1	0.2	22.6	22.3	18.6	18.3	19.1
	Prod.	6.6	6.6	7.5	9.4	12.9	0.2	11.6	8.8	12.2	11.2	13.3
	Yield	320	342	356	431	535	1000	513	395	656	611	697
Nanded	Area	7.5	8.3	8.4	9.4	10.9	0.078	7.1	7.5	5.6	4.2	6.7
	Prod.	5.5	5.6	6.5	4.4	7.4	0.061	3.6	3.7	3	2.4	5
	Yield	733	675	774	468	679	782	507	493	536	574	749
Nandurbar	Area	--	--	--	0.4	0.3	0.003	0.6	0.5	0.6	--	--
	Prod.	--	--	--	0.2	0.1	0.002	0.3	0.4	0.6	--	--
	Yield	--	--	--	500	333	667	500	800	1000	--	--
Nashik	Area	0.7	0.4	0.2	0.1	0.2	0.001	--	--	--	--	--
	Prod.	0.3	0.1	0.1	0.1	0.1	0.001	--	--	--	--	--
	Yield	429	250	500	1000	500	1000	--	--	--	--	--
Osmanabad	Area	35	32.6	36.9	36.2	37.7	0.3	28.3	30.6	28.5	25.8	25.1
	Prod.	10.6	13	7.1	18.2	26	19.7	0.2	16.5	17.2	13.2	8.2
	Yield	303	399	192	503	690	555	667	539	604	510	325
Parbhani	Area	34.2	39.3	39.4	38.5	41.3	0.4	36.6	37	38.6	36.9	19.3
	Prod.	26.3	25	23	11.8	24.6	0.3	22	22.9	15.6	21.3	10.5
	Yield	769	636	584	307	596	640	750	619	404	576	542
Pune	Area	16.7	16.6	4.6	6.2	7.1	0.087	2.3	3.3	5	0.6	0.6
	Prod.	9.8	7.1	0.2	1.2	5.2	4.9	0.052	0.9	1.9	0.1	0.03
	Yield	587	428	44	194	732	430	598	273	380	244	52
Sangli	Area	6.2	2.4	1.7	2.1	2.2	2.3	3.3	7	7.2	2.7	3.1
	Prod.	2.4	0.5	0.2	1.3	0.4	1.1	0.005	3.3	3.2	1.1	0.3
	Yield	387	208	118	619	182	478	238	471	444	395	101

District	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Satara	Area	4.4	1.7	2.1	2.4	2.2	0.015	1.1	1.3	2.2	1.1	0.1
	Prod.	2.3	0.9	0.2	1.3	0.4	0.004	0.5	0.6	1	0.4	0.04
	Yield	390	205	118	619	167	500	267	455	462	395	380
Solapur	Area	15.9	15.7	13.3	15	12.5	11.7	7.6	8.6	7.4	2.4	0.9
	Prod.	5.5	4.3	1.1	7.8	4.8	5	0.035	5.5	4.7	0.7	0.4
	Yield	346	274	83	520	384	427	467	640	635	289	491
Washim	Area	5.2	3	2.6	2.3	3.4	4.3	0.038	1	0.9	0.7	0.5
	Prod.	2.4	1.8	1.4	0.9	2.2	2.5	0.026	0.8	0.6	0.5	0.4
	Yield	462	600	539	391	647	581	684	800	667	748	778
Yavatmal	Area	0.3	0.2	0.1	0.1	0.2	0.2	0.001	0.3	0.1	--	--
	Prod.	0.2	0.1	0.1	0.1	0.1	0.1	0.001	0.3	0.049	--	--
	Yield	667	500	1000	1000	500	500	1000	1000	1000	--	--

Telangana

District		2013-14	2014-15
Adilabad	Area	0.309	0.041
	Prod.	0.218	0.031
	Yield	704	746
Karimnagar	Area	--	--
	Prod.	--	--
	Yield	--	--
Khammam	Area	--	--
	Prod.	--	--
	Yield	--	--
Mahbubnagar	Area	0.118	0.3
	Prod.	0.083	0.224
	Yield	704	746
Medak	Area	3.915	1.561
	Prod.	2.388	0.846
	Yield	610	542
Nalgonda	Area	--	--
	Prod.	--	--
	Yield	--	--
Nizamabad	Area	2.284	1.457
	Prod.	1.608	1.409
	Yield	704	967
Ranga Reddy	Area	1.241	0.796
	Prod.	1.276	0.59
	Yield	1028	741
Warangal	Area	--	--
	Prod.	--	--
	Yield	--	--

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>
Various states DES website and State Department of Agriculture websites

11 COTTON SEED

11.1 World Area, Production and Yield of Seed Cotton

(Area in '000 ha; Production in '000 MT; Yield in kg/ha)

Year	Area(1000 ha)	Production (1000MT)	Yield (kg/ha)
1986	30879	44611	1445
1987	30148	48684	1615
1988	33987	53290	1568
1989	32275	50156	1554
1990	33095	54247	1639
1991	34968	60357	1726
1992	33955	52690	1552
1993	30452	47897	1573
1994	32131	52972	1649
1995	35489	56729	1599
1996	34508	55462	1607
1997	34077	54704	1605
1998	33461	52343	1564
1999	32676	53193	1628
2000	31819	53082	1668
2001	34796	60311	1733
2002	30948	54033	1746
2003	31317	55847	1783
2004	35174	70725	2011
2005	34951	70058	2005
2006	34473	71254	2067
2007	33574	73487	2189
2008	31070	66093	2127
2009	30313	61312	2023
2010	31845	68555	2153
2011	34727	77427	2230
2012	34961	77995	2231
2013	36916	73038	1979

Source: <http://faostat3.fao.org>

11.2 Area, Production and Yield of Seed Cotton in Major Countries of the World

(Area in '000 ha; Production in '000 MT; Yield in kg/ha)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Argentina	Area	388	165	146	255	304	393	303	290	441	623	528	361	513
	Prod.	509	218	202	354	448	545	494	389	754	1033	709	543	1020
	Yld	1312	1324	1383	1388	1196	1388	1627	1341	1709	1656	1342	1502	1988
Australia	Area	527	409	225	198	321	163	63	164	208	588	596	444	450
	Prod.	1959	1757	933	843	1557	721	304	795	939	2154	2870	2676	2700
	Yld	3715	4295	4155	4254	4853	4474	4825	4848	4508	3662	4812	6027	6000
Azerbaijan	Area	83	61	67	78	112	75	48	21	30	43	29	23	23
	Prod.	84	80	100	136	197	100	55	32	38	66	57	45	41
	Yld	1003	1319	1491	1742	1753	1339	1148	1545	1267	1551	1949	1932	1788
Benin	Area	357	413	375	385	310	234	210	150	137	208	335	347	405
	Prod.	393	486	420	425	341	269	245	158	137	265	240	307	382
	Yld	1102	1174	1120	1104	1100	1146	1166	1052	999	1275	716	886	941
Brazil	Area	875	768	718	1150	1263	1126	1057	812	830	1405	1382	944	1149
	Prod.	2646	2170	2202	3801	3668	4111	3971	2898	2950	5071	4969	3417	4289
	Yld	3024	2825	3067	3305	2904	3651	3757	3570	3555	3609	3596	3621	3732
Burkina Faso	Area	346	412	444	521	622	379	500	406	463	395	531	629	651
	Prod.	395	439	472	535	713	377	560	484	530	441	607	766	895
	Yld	1143	1066	1064	1027	1146	997	1120	1191	1144	1116	1143	1217	1374
Chad	Area	317	280	255	300	310	180	175	80	150	175	185	190	200
	Prod.	200	200	140	233	218	100	100	65	52	78	100	105	108
	Yld	630	714	549	777	702	556	571	813	347	446	541	553	540

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
China	Area	4810	4184	5111	5693	5816	5926	5760	4952	4849	5038	4688	4346	4220
	Prod.	15971	14748	14579	18971	17142	22872	22500	19131	17910	19766	20520	18930	18430
	Yld	3320	3525	2852	3332	3386	3480	3860	3906	3863	3694	3924	4377	4356	4367
Côte d'Ivoire	Area	248	283	270	258	299	309	134	140	187	220	225	250	250
	Prod.	287	396	396	180	321	268	278	135	124	260	352	405	410
	Yld	1155	1402	1470	699	1125	895	900	1007	885	934	1183	1565	1621	1640
Egypt	Area	307	297	225	300	275	240	240	119	155	218	120	140	200
	Prod.	832	766	546	785	560	560	560	281	378	635	412	435	525
	Yld	2710	2579	2427	2615	2036	2383	2333	2354	2435	2905	3433	3107	2625
India	Area	9100	7670	7598	8787	8677	9430	9373	10310	11142	12178	11980	11700	11800
	Prod.	5104	4399	7002	8378	9435	13200	11305	12761	17760	19178	18179	18913	19000
	Yld	561	574	922	954	1087	1400	1206	1238	1594	1575	1517	1617	1610
Iran	Area	199	151	140	167	160	120	120	105	91	117	125	81	100
	Prod.	412	345	352	420	363	300	300	254	232	271	210	190	225
	Yld	2070	2285	2511	2521	2278	2434	2500	2407	2554	2312	1686	2337	2250
Kazakhstan	Area	184	168	197	220	201	200	175	138	134	154	145	138	140
	Prod.	418	361	403	467	465	442	318	270	240	336	380	397	400
	Yld	2268	2149	2049	2125	2312	2217	2210	1818	1964	1790	2178	2624	2875	2857
Mali	Area	532	449	516	565	551	284	197	190	250	478	521	484	570
	Prod.	571	440	621	590	534	432	248	190	286	445	546	484	500
	Yld	1074	979	1203	1044	970	900	872	966	1207	932	1048	1000	877
Mexico	Area	89	40	61	109	128	109	100	72	113	193	155	124	184
	Prod.	277	123	210	385	401	448	379	365	279	746	669	587	862
	Yld	3127	3113	3457	3532	3127	3842	3485	3664	3866	3900	3857	4314	4735	4694
Mozambique	Area	240	310	148	240	225	360	360	400	130	189	189	143	157
	Prod.	96	125	74	120	111	165	210	189	62	112	173	67	97
	Yld	400	403	500	500	493	500	583	667	473	593	915	472	618

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Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Myanmar	Area	300	264	278	306	300	300	300	300	350	326	210	227	234
	Prod.	153	141	158	197	180	192	192	258	400	533	430	469	494
	Yld	508	534	570	644	632	640	640	640	858	1143	2050	2070	2106
Nigeria	Area	542	611	602	632	659	434	427	375	399	260	323	415	439
	Prod.	402	428	455	487	521	451	492	364	602	54	288	270	300
	Yld	742	700	756	771	791	1039	1152	970	1512	207	889	650	682
Pakistan	Area	3116	2794	2989	3193	3103	3054	2820	3106	2689	2835	2879	2806	2800
	Prod.	5416	5210	5127	7279	6644	5677	5770	6335	5614	6606	6366	6243	6350
	Yld	1738	1865	1715	2280	2141	1859	2046	2040	2088	2331	2211	2225	2268
Paraguay	Area	298	170	186	320	225	110	250	30	14	25	50	45	14
	Prod.	294	124	173	330	198	105	185	18	15	31	29	50	15
	Yld	989	729	927	1031	880	955	740	600	1097	1232	576	1100	1100
Spain	Area	91	86	95	89	86	64	53	59	63	67	70	64	74
	Prod.	318	305	295	352	344	120	98	79	115	183	191	146	220
	Yld	3479	3528	3117	3945	3995	1882	1863	1351	1821	2723	2736	2275	2961
Sudan	Area	170	144	158	164	200	174	97	-	-	-	-	-	66
	Prod.	232	173	240	238	311	244	107	-	-	-	-	-	176
	Yld	1367	1197	1519	1449	1556	1346	1098	-	-	-	-	-	2683
Syrian Arab Republic	Area	257	200	205	234	238	193	193	164	172	175	168	62	73
	Prod.	1010	802	811	1029	1022	712	712	652	472	672	593	169	162
	Yld	3928	4015	3949	4395	4298	3691	3691	3983	2740	3835	3525	2713	2234
Tajikistan	Area	257	269	284	294	289	252	237	169	162	204	199	191	178
	Prod.	453	515	537	557	448	420	353	296	311	416	418	393	373
	Yld	1759	1915	1890	1897	1552	1664	1489	1752	1912	2041	2098	2057	2098
Togo	Area	150	160	185	200	130	75	50	43	60	100	122	100	130
	Prod.	168	187	164	173	65	40	33	28	43	84	81	78	106
	Yld	1122	1166	888	865	503	533	651	656	713	838	662	779	815

Country		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Turkey	Area	685	721	637	640	547	590	530	495	420	480	542	489	451	468
	Prod.	2358	2542	2346	2460	2245	2555	2275	1820	1725	2150	2580	2320	2250	2350
	Yld	3444	3525	3681	3843	4105	4333	4294	3678	4108	4475	4760	4749	4990	5020
Turkmeni- stan	Area	515	510	480	525	600	600	642	674	607	550	550	525	550	550
	Prod.	1100	700	714	1000	1000	700	946	850	667	684	590	600	570	570
	Yld	2136	1373	1487	1905	1667	1167	1474	1261	1099	1244	1073	1143	1036	1036
Uganda	Area	250	180	220	180	130	105	85	85	70	80	160	74	52	52
	Prod.	60	65	78	78	55	79	62	62	53	84	144	54	63	64
	Yld	240	361	355	433	423	750	733	733	757	1044	903	727	1212	1221
USA	Area	5596	5025	4858	5284	5586	5153	4245	3128	3047	4330	3829	3772	3053	3783
	Prod.	11181	9357	10021	12539	12876	11655	10370	7038	6417	9474	9743	10280	7626	9299
	Yld	1998	1862	2063	2373	2305	2262	2443	2250	2106	2188	2545	2725	2498	2458
Uzbekistan	Area	1452	1421	1393	1456	1472	1448	1449	1452	1347	1343	1329	1308	1309	1301
	Prod.	3265	3122	2823	3537	3728	3600	3716	3716	3420	3443	3500	3460	3361	3400
	Yld	2248	2197	2027	2429	2532	2486	2565	2560	2539	2565	2633	2645	2568	2613
Zimbabwe	Area	390	406	400	332	294	266	398	400	325	340	390	420	397	400
	Prod.	330	200	228	364	196	208	235	240	236	270	283	330	290	300
	Yld	845	494	570	1098	668	781	590	600	726	794	726	786	731	750

Source: <http://faostat.fao.org>

11. 3 Production (1000 tonnes) of Cottonseed in Major Countries of the World

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Argentina	257	104	111	190	171	171	300	272	214	414	568	390	299
Australia	1140	1054	546	494	912	844	388	188	466	550	1269	1694	1522
Benin	216	267	230	235	190	124	148	135	98	85	164	149	160
Brazil	1665	1364	1403	2466	1785	1785	2590	2509	1825	1858	3195	3131	2153
Burkina Faso	215	240	250	315	370	373	190	315	265	328	274	376	430
China	10649	9834	9722	12650	11403	13460	15248	14984	12754	11940	13178	13680	12620
Côte d'Ivoire	162	170	175	161	140	140	190	66	70	91	170	236	265
Egypt	495	379	325	446	335	350	321	193	145	187	218	155	140
Greece	743	718	611	645	677	520							
India	3400	2932	4668	5586	6664	7128	8938	7692	8294	11544	12466	11817	12293
Iran	247	207	211	252	218	145	184	177	152	140	142	102	130
Kazakhstan	240	220	240	257	256	250	241	175	145	132	185	209	218
Mali	229	232	311	309	311	300	151	124	144	159	299	300	330
Mexico	152	68	115	212	215	215	210	202	151	239	410	355	280
Nigeria	248	250	250	258	264	270	280	305	225	370	175	189	130
Pakistan	3610	3474	3418	4853	4123	4065	3695	3760	4138	3665	4293	4149	4071
Paraguay	177	74	103	198	120	120	66	40	11	9	19	18	31
Spain	141	113	121	146	150	75	50	24	33	48	73	80	58
Sudan	148	111	162	155	202	202							
Syrian Arab Republic	672	521	527	651	664	664	387	402	424	307	437	385	110
Tajikistan	260	296	325	330	289	290	231	194	163	171	229	225	225
Tanzania	153	95	155	200	243	180	125	228	170	168	103	142	224
Turkey	1354	1457	1308	1350	1125	1350	1321	1077	1021	1273	1527	1373	1287
Turkmenistan	730	450	470	660	660	460	626	661	440	451	389	396	376

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
USA	6761	5610	6046	7477	7712	6666	5970	3901	3764	5532	6781	7540	5621
Uzbekistan	1825	1781	1860	2334	2461	2376	2250	2452	1800	1900	1970	1955	1899
Zimbabwe	201	127	135	160	190	200	146	210	145	180	170	200	175
Africa +	2698	2470	2596	2968	3092	2887	2433	2306	1952	2110	2304	2773	2707
America +	9224	7413	7967	10769	10213	9179	9378	7146	6133	8207	11188	11635	8573
Asia +	23455	21584	23185	29424	28378	30665	33551	31934	29700	32008	35422	34818	33741
Europe +	891	838	735	793	828	597	552	526	483	439	563	506	534
Oceania +	1140	1054	546	494	912	844	388	188	466	550	1269	1694	1522
World +	37408	33359	35028	44447	43424	44173	46301	42100	38734	43313	50748	51425	47077

Source: <http://faostat3.fao.org>

11.4 All India Area, Production and Yield of Cotton

(Area in Million ha.; Production in Million Bales of 170 kg each; Yield in kg/ha)

Year	Area	Production	Yield	% Coverage under Irrigation	Year	Area	Production	Yield	% Coverage under Irrigation
1950-51	5.88	3.04	88	8.2	1982-83	7.87	7.53	163	29
1951-52	6.56	3.28	85	9.1	1983-84	7.72	6.39	141	29.9
1952-53	6.36	3.34	89	8.5	1984-85	7.38	8.51	196	28.5
1953-54	6.99	4.13	100	8.4	1985-86	7.53	8.73	197	30.2
1954-55	7.55	4.45	100	9.8	1986-87	6.95	6.91	169	31.1
1955-56	8.09	4.18	88	10	1987-88	6.46	6.38	168	32
1956-57	8.02	4.92	104	11	1988-89	7.34	8.74	202	33
1957-58	8.01	4.96	105	12.7	1989-90	7.69	11.42	252	34.2
1958-59	7.96	4.88	104	12.5	1990-91	7.44	9.84	225	32.9
1959-60	7.3	3.68	86	12.9	1991-92	7.66	9.71	216	33.3
1960-61	7.61	5.6	125	12.7	1992-93	7.54	11.4	257	34.6
1961-62	7.98	4.85	103	13	1993-94	7.32	10.74	249	34.7
1962-63	7.73	5.54	122	14.1	1994-95	7.87	11.89	257	34.2
1963-64	8.22	5.75	119	15.3	1995-96	9.04	12.86	242	35
1964-65	8.37	6.01	122	15.5	1996-97	9.12	14.23	265	35.8
1965-66	7.96	4.85	104	15.9	1997-98	8.87	10.85	208	36.8
1966-67	7.84	5.27	114	16.1	1998-99	9.34	12.29	224	34.9
1967-68	8.00	5.78	123	16.7	1999-00	8.71	11.53	225	35.2
1968-69	7.6	5.45	122	16.5	2000-01	8.53	9.52	190	34.3
1969-70	7.73	5.56	122	16.4	2001-02	8.73	10	186	34.0
1970-71	7.61	4.76	106	17.3	2002-03	7.67	8.62	191	33.1
1971-72	7.8	6.95	151	20.3	2003-04	7.60	13.73	307	27.1
1972-73	7.68	5.74	127	21	2004-05	8.79	16.43	318	36.9

Year	Area	Production	Yield	% Coverage under Irrigation	Year	Area	Production	Yield	% Coverage under Irrigation
1973-74	7.57	6.31	142	22.1	2005-06	8.68	18.50	362	36.1
1974-75	7.56	7.16	161	22.9	2006-07	9.14	22.63	421	35.0
1975-76	7.35	5.95	138	23.5	2007-08	9.41	25.88	467	35.1
1976-77	6.89	5.84	144	24.6	2008-09	9.41	23.16	419	35.3
1977-78	7.87	7.24	157	26.2	2009-10	10.31	30.5	503	35.8
1978-79	8.12	7.96	167	27.2	2010-11	11.14	33.9	517	35.9
1979-80	8.13	7.65	160	27.5	2011-12	12.17	35.3	493	-
1980-81	7.82	7.01	152	27.3	2012-13	11.97	36.5	518	-
1981-82	8.06	7.88	166	27.7	2013-14	11.55	37.5	552	-

Source: Various issues of Agricultural Statistics at Glance. Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

11.5 Statewise Area, Production and Yield of Cotton

Area in lakh hectares/ Production in lakh bales of 170 kgs/ Yield kgs per hectare

Year	2001-02			2002-03			2003-04		
State	Area	Prod	Yield	Area	Prod	Yield	Area	Prod	Yield
Punjab	6	9.25	262	4.49	7.5	284	4.52	10.35	389
Haryana	6.1	5.5	153	5.19	8.75	287	5.26	11.5	372
Rajasthan	3.47	7	343	3.86	5	220	3.44	9.15	452
Gujarat	16.87	32.5	328	16.34	30.5	317	16.47	50	516
Maharashtra	29.8	34.25	195	28	26	158	27.66	31	191
Madhya Pradesh	6.23	20	546	5.45	18	561	5.91	19.65	565
Andhra Pradesh	10.02	26.75	454	8.03	19.75	418	8.37	27.4	557
Karnataka	5.91	7	201	3.93	5	216	3.13	4.2	228
Tamil Nadu	2	5	425	0.85	3	600	1.03	3.75	619
Others	0.9	0.75	142	0.53	1	321	0.51	1	333
Total		148			124.5			168	
Loose lint		10			11.5			11	
GrandTotal	87.3	158	308	76.67	136	302	76.3	179	399

Year	2004-05			2005-06		
State	Area	Prod	Yield	Area	Prod	Yield
Punjab	5.09	16.5	551	5.57	20.00	610
Haryana	6.21	15.5	424	5.83	12.00	350
Rajasthan	4.38	11	427	4.71	9.00	325
North Total	15.68	43	466	16.11	41.00	433
Gujarat	19.06	73	651	19.06	89.00	794
Maharashtra	28.4	52	311	28.75	35.00	207
Madhya Pradesh	5.76	16	472	6.2	19.00	521
Central Total	53.22	141	450	54.01	143.00	450
Andhra Pradesh	11.78	32.5	469	10.33	33.00	543
Karnataka	5.21	8	261	4.13	6.00	247
Tamil Nadu	1.29	5.5	725	1.4	5.00	607
South Total	18.28	46	428	15.86	44.00	472
Others	0.68	1	250	0.79	1	215
Total		231			232	
Loose lint		12			12	
Grand Total	87.86	243	470	86.77	241	472

State	2006-07 (Oct.-Sept.)			2007-08(Oct.-Sept.) (E)			2008-09(Oct.-Sept.) (E)		
	Area	Prod.	Yield	Area	Prod.	Yield	Area	Prod.	Yield
Punjab	6.07	24	672	6.04	20	563	5.27	17.50	565
Haryana	5.3	15	481	4.83	15	528	4.56	14.00	522
Rajasthan	3.5	9	437	3.69	9	415	3.02	7.50	422
North Total	14.87	48	549	14.56	44	514	12.85	39.00	516
Gujarat	23.9	103	733	24.22	110	772	23.54	90.00	650
Maharashtra	31.07	50	274	31.95	62	330	31.42	62.00	335
Madhya Pradesh	6.39	19	505	6.30	20	540	6.25	18.00	490
Central Total	61.36	172	477	62.47	192	522	61.21	170.00	473
Andhra Pradesh	9.72	36	630	11.33	46	690	13.99	53.00	644
Karnataka	3.78	6	270	4.03	8	337	4.08	9.00	375

State	2006-07 (Oct.-Sept.)			2007-08(Oct.-Sept.) (E)			2008-09(Oct.-Sept.) (E)		
	Area	Prod.	Yield	Area	Prod.	Yield	Area	Prod.	Yield
Tamil Nadu	1	5	850	0.99	4	687	1.09	5.00	780
South Total	14.5	47	551	16.35	58	603	19.16	67.00	594
Odisha	0.6								
Others	0.11	1	1545	0.76	*1	224	0.84	2.00	405
Total	91.44	268	498	94.14	295	533	94.06	278.00	502
Loose cotton consumed		12			12			12	
Grand Total	91.44	280	521	94.74	307	554	94.06	290.00	524

State	2009-10			2010-11			2011-12		
	Area	Prod	Yield	Area	Prod	Yield	Area	Prod	Yield
Punjab	5.11	13	432	5.3	18.5	593	5.6	20	607
Haryana	5.07	15.25	511	4.92	17	587	6.41	26	690
Rajasthan	4.44	12	459	3.35	10.1	513	4.7	18	651
North Total	14.62	40.25	468	13.57	45.6	571	16.71	64	651
Gujarat	26.25	98	635	26.33	106.2	686	29.62	122	700
Maharashtra	35.03	65.75	319	39.32	87.75	379	41.25	76	313
Madhya Pradesh	6.11	15.25	424	6.5	17.7	463	7.06	18	433
Central Total	67.39	179	452	72.15	211.65	499	77.93	216	471
Andhra Pradesh	14.75	54.5	628	17.84	59.5	567	18.79	60	543
Karnataka	4.55	12.25	458	5.45	11.1	346	5.54	15	460
Tamil Nadu	1.04	5	817	1.22	7.2	1003	1.33	6.5	831
South Total	20.34	71.75	600	24.51	77.8	540	25.66	81.5	540
Odisha	0.54	1	315	0.74	2.05	471	1.02	3.5	583
Others	0.21	1		0.45	2	756	0.46	2	739
Total	-	293	-		339.1			367	
Loose Lint	-	12	-						
Grand Total	103.1	305	503	111.42	339.1	517	121.78	367	512

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State	2012-13			2013-14		
	Area	Prod	Yield	Area	Prod	Yield
Punjab	4.8	21	744	5.05	21	707
Haryana	6.14	25	692	5.57	23	702
Rajasthan	4.5	17	642	3.03	14	785
North Total	15.44	63	694	13.65	58	722
Gujarat	24.97	93	633	26.91	116	733
Maharashtra	41.46	79	324	38.72	81	356
Madhya Pradesh	6.08	19	531	6.21	19	520
Central Total	72.51	191	448	71.84	216	511

State	2012-13			2013-14		
	Prod	Yield	Area	Prod	Yield	
Andhra Pradesh	24	84	595	21.42	72	571
Karnataka	4.85	15	526	5.78	18	529
Tamil Nadu	1.28	6	797	1.17	5	726
South Total	30.13	105	592	28.37	95	569
Odisha	1.19	4	571	1.34	4	507
Others	0.51	2	667	0.33	2	1030
Total		365			375	
Loose Lint						
Grand Total	119.78	365	518	115.53	375	552

* Inclusive of Odisha

Source: Cotton Advisory Board

12 COCONUT

12.1 All India Area, Production and Yield of Coconut

Year	Area('000 ha.)	Production (M. Nuts)	Yield Nuts per ha (Number)
1949-50	596	3448	5785
1950-51	622	3582	5759
1951-52	630	3606	5724
1952-53	651	4498	6909
1953-54	663	4649	7012
1954-55	641	4409	6878
1955-56	647	4226	6532
1956-57	657	4383	6671
1957-58	666	4455	6689
1958-59	690	4589	6651
1959-60	715	4734	6621
1960-61	717	4639	6470
1961-62	723	4478	6194
1962-63	798	5017	6288
1963-64	798	4725	5920
1964-65	848	5043	5950
1965-66	884	5035	5698
1966-67	893	5192	5814
1967-68	924	5321	5760
1968-69	988	5546	5613
1969-70	1033	5859	5670
1970-71	1046	6075	5811
1971-72	1088	6124	5626
1972-73	1099	5997	5456
1973-74	1102	5851	5309
1974-75	1116	6030	5401
1975-76	1070	5829	5449
1976-77	1075	5765	5366
1977-78	1057	5413	5123
1978-79	1055	5730	5431
1979-80	1076	5636	5239
1980-81	1083	5720	5280
1981-82	1091	5573	5109
1982-83	1149	6356	5531
1983-84	1166	5808	4983
1984-85	1183	6913	5842
1985-86	1226	6770	5524

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Year	Area('000 ha.)	Production (M. Nuts)	Yield Nuts per ha (Number)
1986-87	1231	6377	5179
1987-88	1346	7270	5401
1988-89	1426	8541	5992
1989-90	1472	9359	6357
1990-91	1475	9730	6595
1991-92	1529	10080	6593
1992-93	1538	11241	7310
1993-94	1635	11975	7324
1994-95	1689	12196	7309
1995-96	1831	12952	7074
1996-97	1892	12987	6863
1997-98	1860	12717	6837
1998-99	1910	14925	7814
1999-2000	1768	12129	6860
2000-01	1824	12678	6951
2001-02	1892	12822	6776
2002-03	1920	12535	6529
2003-04	1930	12147	6294
2004-05	1935	12833	6632
2005-06	1947	14811	7608
2006-07	1937	15840	8179
2007-08	1903	14744	7747
2008-09	1894.57	15729.75	8303
2009-10	1895.20	16918.40	8927
2010-11	1895.90	16942.92	8937
2011-12	2070.70	23351.22	11277
2012-13	2136.67	22680.03	10615
2013-14	2140.50	21665.19	10122

Source: Various issues of Agricultural Statistics at Glance. Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

12.2 State-wise Area, Production and Yield of Coconut in India

Area ('000. ha.); Production (M. Nuts); Yield Nuts per ha (Number)

State		2000-2001	2001-02	2002-03	2003-04	2004-05
Andhra Pradesh	Area	102.5	104.2	110	100	104
	Prod.	1092.7	1129.1	1159	1195	1199.3
	Yield	10660	10836	10536	11950	11532
Assam	Area	20.9	21.1	20	20	21.3
	Prod.	135.9	163.6	160	154	154.3
	Yield	6502	7754	8000	7700	7244
Goa	Area	25	25	30	30	25.2
	Prod.	125.1	125.1	122	122	123.5
	Yield	5004	5004	4067	4067	4901
Karnataka	Area	336	369.8	380	380	385.4
	Prod.	1762.4	1503.6	1525	1549	1209.6
	Yield	5245	4066	4013	4076	3139
Kerala	Area	936.3	939.5	900	910	897.8
	Prod.	5496	5744	5709	5484	5727
	Yield	5870	6114	6343	6026	6379
Maharashtra	Area	16.8	16.8	20	20	18
	Prod.	244.4	193.8	181	268	273.4
	Yield	14548	11536	9050	13400	15189
Odisha	Area	17.7	17.3	50	50	50.8
	Prod.	109.9	142.4	205	194	274.8
	Yield	6209	8231	4100	3880	5409
Tamil Nadu	Area	323.5	335.8	350	350	357.1
	Prod.	3158.4	3293.6	2861	2560	3243.5
	Yield	9763	9808	8174	7314	9083
West Bengal	Area	24.5	25.6	30	20	24.3
	Prod.	330.5	331.6	324	318	310.9
	Yield	13490	12953	10800	15900	12794
Others	Area	39	37	30	50	51.1
	Prod.	150	195	289	303	316.6
	Yield	-	-	-	-	-
All India	Area	1823.9	1892.3	1920	1930	1935
	Prod.	12678.4	12821.7	12535	12147	12832.9
	Yield	6951	6776	6529	6294	6632

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

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State	2006-2007 (Revised)			2007-2008 (Final)		
States /Union Territories	Area ('000 Hectares)	Production (Million nuts)	Productivity (Nuts/ha)	Area ('000 Hectares)	Production (Million nuts)	Productivity (Nuts/ha)
Andhra Pradesh	101.90	1326.40	13017	101.32	1119.26	11047
Assam	19.00	153.00	8053	19.00	136.00	7158
Goa	25.50	126.70	4969	25.50	127.60	5004
Gujarat	16.40	138.30	8433	16.40	138.30	8433
Karnataka	401.00	1625.00	4052	405.00	1635.00	4037
Kerala	870.90	6054.00	6951	818.80	5641.00	6889
Maharashtra	21.00	175.10	8338	21.00	175.10	8338
Nagaland	0.90	0.20	222	0.90	0.20	222
Odisha	51.00	275.80	5408	51.00	275.80	5408
Tamil Nadu	374.60	5429.90	14495	383.37	4968.20	12959
Tripura	3.30	7.00	2121	5.80	11.40	1966
West Bengal	25.10	359.10	14307	28.60	355.50	12430
A & N Islands	21.40	89.00	4159	21.60	80.60	3731
Lakshadweep	2.70	53.00	19630	2.70	53.00	19630
Pondicherry	2.10	27.90	13286	2.20	26.60	12091
All India	1936.80	15840.40	8179	1903.19	14743.56	7747

State		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Andhra Pradesh	Area	104.00	104	104	142	128.9	121.92
	Prod.	970.00	1042.5	1042.52	1985.01	1933.07	1828.46
	Yield	9327	10024	10024	13979	14997	14997
Assam	Area	18.80	18.8	18.8	20.8	22.15	20.23
	Prod.	147.10	157.9	157.86	304.47	160.21	136.61
	Yield	7824	8399	8397	14638	7233	6753
Goa	Area	25.61	25.6	25.6	25.7	25.71	25.75
	Prod.	128.18	137.5	137.54	139.11	122.71	128.13
	Yield	5005	5371	5373	5413	4773	4976

State		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Gujarat	Area	15.98	16	16	20.9	21.12	31.63
	Prod.	157.42	168.8	168.8	340.58	322.39	295.03
	Yield	9851	10550	10550	16296	15265	9328
Karnataka	Area	419.00	419	419	511	513.1	517.29
	Prod.	2176.00	2339.8	2339.81	5915.33	6058.86	5041.15
	Yield	5193	5584	5584	11576	11808	9745
Kerala	Area	787.77	788	788	766	798.16	797.21
	Prod.	5802.00	6239.5	6239.5	6211.21	5798.04	5968.01
	Yield	7365	7918	7918	8109	7264	7486
Lakshadweep	Area	02.70	2.7	2.7	2.6	2.57	2.57
	Prod.	53.00	62.5	62.52	76.12	70.91	70.91
	Yield	19630	23148	23156	29277	27591	27591
Maharashtra	Area	21.00	21	21	21	28.08	28.08
	Prod.	175.10	187.6	187.56	187.56	187.47	187.47
	Yield	8338	8933	8931	8931	6676	6676
Nagaland	Area	00.92	0.9	0.9	0.9	1.3	1.45
	Prod.	00.55	0.47	0.47	0.47	15.11	16.32
	Yield	598	522	521	522	11623	11255
Odisha	Area	51.00	51	51	53.9	54.29	50.78
	Prod.	275.80	297	296.97	403.25	380.93	324.93
	Yield	5408	5824	5823	7481	7017	6399
Pondicherry	Area	02.10	2.1	2.1	2.1	1.95	1.96
	Prod.	30.70	31.3	31.26	31.26	33.68	34.09
	Yield	14619	14905	14886	14886	17272	17393
Tamil Nadu	Area	389.60	390	390	430.7	465.11	465.11
	Prod.	5365.00	5770.6	5770.6	7057.88	6917.25	6917.25
	Yield	13771	14796	14796	16387	14872	14872
Tripura	Area	05.80	5.8	5.8	6.2	6.47	6.91
	Prod.	11.40	12.5	12.5	28.29	27.45	28.3
	Yield	1966	2155	2156	4563	4243	4096
West Bengal	Area	28.60	28.6	28.6	29.1	29.2	29.3
	Prod.	355.50	382.9	382.94	395.28	369.31	370.83
	Yield	12430	13388	13389	13584	12648	12656
Andaman & Amp; Nicobar Islands	Area	21.69	21.7	21.7	21.8	21.88	21.9
	Prod.	82.00	87.5	102.22	113	129.97	129.97
	Yield	3781	4032	4711	5183	5940	5935
All India	Area	1894.57	1895.2	1895.9	2070.7	2136.67	2140.5
	Prod.	15729.75	16918.37	16942.9	23351.2	22680.03	21665.19
	Yield	8303	8927	8937	11277	10615	10122

Source: Directorate of Economics & Statistics, Ministry of Agriculture, Govt. of India

13. OIL PALM

13.1 Area, Production and Yield of Oil Palm Fruit in Major Countries of the World

(Area = 1000 ha; Production = 1000 MT; Yield = kg/ha)

Country		2001	2002	2003	2004	2005	2006	2007
Brazil	Area	46	45	52	55	56	59	66
	Prod.	460	450	516	550	560	590	660
	Yield	10000	10000	10000	10000	10000	10000	10000
Cameroon	Area	55	56	57	57	70	72	73
	Prod.	1150	1150	1200	1200	1450	1500	1550
	Yield	20909	20536	21053	21053	20714	20833	21275
China	Area	47	47	47	47	47	45	48
	Prod.	650	660	670	675	675	650	665
	Yield	13830	14043	14255	14362	14362	14444	13854
Colombia	Area	138	145	150	157	170	165	165
	Prod.	2600	2600	2579	3107	3273	3200	3200
	Yield	18778	17928	17151	19745	19300	19394	19394
Congo	Area	7	7	7	8	8	11	11
	Prod.	90	90	90	100	105	135	139
	Yield	12500	12500	12500	12500	12500	12500	12523
Costa Rica	Area	40	42	43	47	50	48	48
	Prod.	666	571	581	670	780	872	825
	Yield	16740	13446	13449	14378	15561	18024	17043
Côte d'Ivoire	Area	164	176	172	203	197	219	203
	Prod.	993	1160	1029	1311	1232	1328	1359
	Yield	6074	6581	5991	6457	6248	6060	6697
Ecuador	Area	125	145	146	123	141	143	145
	Prod.	1424	1645	1522	1844	1554	1673	1809
	Yield	11392	11345	10425	14971	11059	11672	12457
Ghana	Area	180	180	240	318	325	333	300
	Prod.	1102	1100	1600	1955	2025	2097	1685
	Yield	6123	6111	6667	6157	6226	6299	5617
Guinea	Area	310	310	310	310	310	310	310
	Prod.	830	830	830	830	830	830	830
	Yield	2677	2677	2677	2677	2677	2677	2677
Honduras	Area	51	56	61	69	75	80	86
	Prod.	669	797	930	951	972	1420	1428
	Yield	13114	14240	15242	13785	12965	17755	16599

Country		2001	2002	2003	2004	2005	2006	2007
Indonesia	Area	2200	2790	3040	3320	3690	4110	4560
	Prod.	40950	46800	52600	60426	74000	80250	78000
	Yield	18614	16774	17303	18201	20054	19526	17105
Malaysia	Area	3310	3375	3260	3402	3552	3678	3741
	Prod.	58950	59546	66775	69881	74800	79400	79100
	Yield	17810	17643	20483	20541	21059	21588	21144
Mexico	Area	12	14	14	18	18	22	24
	Prod.	184	200	217	248	219	310	292
	Yield	15333	14286	16010	13899	11932	14051	12288
Nigeria	Area	3180	3180	3300	3320	3350	3075	3150
	Prod.	8500	8500	8632	8700	8500	8300	8500
	Yield	2673	2673	2616	2621	2537	2699	2698
Papua New Guinea	Area	75	79	83	85	88	92	96
	Prod.	1218	1178	1200	1250	1300	1350	1400
	Yield	16240	14911	14458	14706	14773	14674	14583
Thailand	Area	243	263	288	309	324	380	426
	Prod.	4097	4001	4903	5182	5003	6715	6390
	Yield	16869	15213	17029	16761	15431	17677	14996

Country		2008	2009	2010	2011	2012	2013	2014
Brazil	Area	103	104	106	109	113	109	127
	Prod.	1091	1122	1293	1301	1241	1247	1394
	Yield	10577	10802	12147	11929	10969	11477	11014
Cameroon	Area	78	102	112	122	123	135	138
	Prod.	1555	1600	2200	2400	2500	2450	2474
	Yield	19884	15670	19568	19709	20325	18148	17928
China	Area	48	50	47	48	49	50	50
	Prod.	668	670	660	650	660	670	676
	Yield	13917	13400	14043	13542	13469	13400	13471
Colombia	Area	165	165	165	230	230	250	270
	Prod.	3200	3200	3100	4614	4671	5052	5418
	Yield	19394	19394	18788	20060	20308	20208	20067
Congo	Area	11	11	11	11	12	12	12
	Prod.	140	140	141	142	144	144	145
	Yield	12511	12500	12500	12566	12478	12414	12460
Costa Rica	Area	53	55	57	60	64	75	78
	Prod.	863	898	986	1050	1111	1304	884
	Yield	16411	16323	17295	17500	17500	17500	11375

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Country		2008	2009	2010	2011	2012	2013	2014
Côte d'Ivoire	Area	215	245	260	265	267	270	277
	Prod.	1424	1749	1567	1636	1839	1744	1712
	Yield	6624	7138	6026	6174	6886	6458	6179
Ecuador	Area	150	196	194	203	199	219	215
	Prod.	2204	2227	2850	2097	2649	2317	2562
	Yield	14745	11387	14731	10350	13340	10587	11939
Ghana	Area	338	353	360	360	387	319	349
	Prod.	1897	2104	2004	2126	2196	233	2443
	Yield	5615	5963	5568	5904	5675	730	7000
Guinea	Area	310	310	310	310	310	310	313
	Prod.	830	830	830	830	830	830	840
	Yield	2677	2677	2677	2677	2677	2677	2681
Honduras	Area	93	100	105	110	117	125	131
	Prod.	1432	1579	1768	1867	1989	2004	2125
	Yield	15401	15790	16840	16972	16998	16032	16265
Indonesia	Area	4980	5370	5780	6170	6650	7080	7407
	Prod.	85000	90000	97800	105000	113000	120000	126592
	Yield	17068	16760	16920	17018	16993	16949	17091
Malaysia	Area	3900	4010	4130	4326	4353	4526	4689
	Prod.	88672	87825	84965	93815	93265	95729	96067
	Yield	22736	21902	20573	21686	21426	21150	20486
Mexico	Area	26	28	32	33	34	46	51
	Prod.	308	367	438	507	463	568	679
	Yield	11874	12999	13777	15504	13509	12313	13347
Nigeria	Area	3200	3200	3200	3200	3250	3000	3026
	Prod.	8500	8500	8000	8000	8100	8000	7968
	Yield	2656	2656	2500	2500	2492	2667	2633
Papua New Guinea	Area	117	119	135	143	146	150	157
	Prod.	1700	1730	1850	2000	2050	2100	2159
	Yield	14530	14538	13704	13986	14041	14000	13742
Thailand	Area	462	510	568	570	594	603	664
	Prod.	9271	8163	8223	10777	11358	12374	12503
	Yield	20085	16005	14468	18894	19115	20529	18839

Source: <http://faostat3.fao.org>

**13.2 Selected State-wise Production (Tonne)of Oil Palm
Fresh Fruit Bunches in India (1992-1993 to 2013-2014)**

States/UTs	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Andhra Pradesh	125000	108757	109688.61	129841	138929	203000	215000	220200
Karnataka	3998.13	3562.50	3676.65	3483.00	4127.34	4528.00	5415	5763.68
Tamil Nadu	2250.00	229.58	434.00	415.00	680.72	1202.00	1584.02	266.32
Gujarat	0.00	24.90	29.42	28.00	6.10	20.00	10.25	12.36
Odisha	265.00	0.00	0.00	0.00	0.00	0.00	0.00	NR
Goa	1300.00	1603.00	1879.05	1851.00	1993.93	2143.00	1951	NR
Tripura	0.00	75.00	80.00	503.00	465.00	NR	447.12	0.00
Kerala	0.00	4820.43	32991.64	32295.00	29939.63	33795.00	34496	29329.81
Andaman & Nicobar Islands @	10010.82	9800.92	8957.00	0.00	0.00	0.00	0.00	NR
India	142823.95	128873.33	157736.37	168416.00	176141.72	244688.00	258903.39	255572.17

States/UTs	2006-07	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14 (P)
Andhra Pradesh	215000	309109.02	347892.00	585009.00	573024	790881	933981
Karnataka	5415	6003	6385.00	7498.95	9942	10112	9917
Tamil Nadu	1584.02	1988	2079.57	2781.38	4743	5244	5495
Gujarat	10.25	2.45	5.73	23.00	91	134	158
Odisha	0.00	NR	3464.00	0.00	12720	2920	3722
Goa	1951	NR	1704.12	1934.75	2229	2056	2046
Tripura	447.12	0.00	NR	0.00	NR	0	0
Kerala	34496	38377.89	35161.60	41058.00	43200	41350	38350
Andaman & Nicobar Islands @	0.00	0.00	NR	NR	NR	0	0
India	258903.39	355480.36	396692.02	638305.08	645949	852697	993669

Source: Various issues of Agricultural Statistics at Glance. Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in/>

13.3 Area Covered Under Oil Palm Development Programme

States	Area Covered Under Oil Palm	Area Uprooted	Net Area (up to March, 14)			
	Prior to OPDP	Under OPD	Total Cultivated Area			Potential area identified*
1	2	3	4	5	6	7
Andhra Pradesh	1232	149552	150784	5457	145327	400000
Karnataka	1114	37277	38391	6842	31549	250000
Tamil Nadu	0	28238	28238	5384	22854	162000
Gujarat	0	4415	4415	219	4196	90000
Odisha	0	16225	16225	0	16225	25000
Goa	0	924	924	42	882	2000
Tripura	0	530	530	0	530	0
Assam	0	10	10	0	10	....
West Bengal @	0	0	0	0	0	....
Kerala	3646	2094	5740	0	5740	6500
Maharashtra @	1000	474	1474	0	1474	
Andaman & Nicobar Islands@	1593	0	1593	0	1593	....
Mizoram	0	19971	19971	0	19971	61000
Chhattisgarh*	0	412	412	0	412	
Total	8585	260122	268707	17944	250763	996500
Year-wise average area last (presumed)	0	17944	17944	0	0	
Existing Net Area	8585	242178	250763	17944	250763	

Note : Net Area = Gross Area - Area Uprooted

@ OPDP Scheme not implemented so far

Source : State Deptts. of Horticulture / Agri. and Directorate of Oilseeds Development Hyderabad, Compiled by TMOP, M/o Agriculture. (Col. 1-6)

*Beside these States, an area of 40,000 ha has been identified in Chhattisgarh State as potential area for Oil Palm cultivation in the country.

Hence gross area of 10, 36,500 ha have been identified

Source : Agricultural Statistics At a Glance 2014

14. State Profiles of Oil Seeds in India

14.1 Oilseed Producing States in India and their Contribution to Area, Production and Productivity

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

State		1950-51	1955-56	1960-61	1965-66	1970-71
Andhra Pradesh	Area	1913.7	1888.3	1341.2	1811.1	2154
	Prod.	1163.0	1189.0	792.5	718.7	1286.6
	Yield	608	630	591	397	597
Bihar	Area	108.1	203.9	231.8	281.5	250.1
	Prod.	23.0	56.0	76.2	100.7	114.5
	Yield	213	275	329	358	458
Gujarat	Area	696.0	...	2189.8	2213.4	1967.4
	Prod.	383.0	...	1259.9	970.1	1943.4
	Yield	550	...	575	438	988
Haryana	Area	...	...	...	162.8	141.6
	Prod.	...	...	...	76.7	97.4
	Yield	...	...	...	471	688
Himachal Pradesh	Area	...	5.2	4.4	17.6	21.5
	Prod.	...	3.0	1.0	3.9	6.8
	Yield	...	550	550	550	316
Jammu & Kashmir	Area	...	34.7	24.7	39.1	39.7
	Prod.	...	19.0	17.3	26.8	24.7
	Yield	...	547	700	685	622
Karnataka	Area	686.4	1008.8	1077.8	1096.7	1194.7
	Prod.	555.0	504.0	481.7	440.4	697.7
	Yield	809	500	447	402	584
Kerala	Area	11.0	16.1	28.3	27.2	26.5
	Prod.	14.0	20.0	17.2	27.6	20.0
	Yield	1273	1241	608	1015	755
Madhya Pradesh	Area	1219.9	1379.5	1458.5	1858	1899.9
	Prod.	338.0	454.0	493.8	477.5	634.1
	Yield	277	329	339	257	334
Maharashtra	Area	1405.3	2514.9	1454.0	1731.5	1800.6
	Prod.	603.0	1201.0	884.8	572.3	819.7
	Yield	429	478	609	331	455

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State		1950-51	1955-56	1960-61	1965-66	1970-71
Orissa	Area	40.2	213.6	204.7	313.0	329.6
	Prod.	19.0	65.0	71.1	127.8	215.2
	Yield	473	304	347	408	653
Punjab	Area	226.6	363.8	359.3	218.6	294.1
	Prod.	100.0	149.0	209.3	204.5	232.3
	Yield	441	410	582	935	790
Rajasthan	Area	479.2	805.8	810.9	1137.1	1045.5
	Prod.	115.0	252.0	173.4	203.7	533.5
	Yield	240	313	214	179	510
Tamil Nadu	Area	933.2	878.1	1010.9	1018.5	1208
	Prod.	801.0	871.0	1103.4	927.5	1023.2
	Yield	858	992	1092	911	847
Uttar Pradesh	Area	2154.5	2443.1	3310.4	3686.5	3942.6
	Prod.	767.0	755.0	1305.6	1500.4	1855.9
	Yield	356	309	394	407	471
West Bengal	Area	95.9	138.4	136.7	145.9	162.0
	Prod.	43.0	49.0	46.7	57.6	54.8
	Yield	448	354	342	395	338
North-East States**	Area	126.6	128.7	126.5	150.9	160.8
	Prod.	55.0	59.0	48.7	66.7	67.1
	Yield	434	459	385	442	417
Others	Area	630	0.8	1.2	3.0	3.7
	Prod.	152.0	...	...	2.7	3.5
	Yield	...	...	...	...	...
Total	Area	10726.5	12023.6	13771.2	15912.4	16642.3
	Prod.	5131.0	5646.0	6982.6	6505.6	9630.4
	Yield	478	470	507	409	579

State	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82
Andhra Pradesh	Area	2198.2	2012.3	2119.9	2200.9	1714	1546.5	1775.8	1790.5	1812.4	1969.6
	Production	1274.3	1098.9	1560.6	1594.6	1181.6	673.2	1248.1	1205.4	928.1	1547
	Yield	580	546	736	725	689	435	703	673	512	785
Bihar	Area	237.6	251.8	272.3	286.8	308.1	277.4	278.8	235.2	259.1	237.2
	Production	94	104	97	129.9	144.1	127.2	132	96.6	109.7	112.1
	Yield	396	413	356	453	468	459	438	411	423	473
Gujarat	Area	1987.6	1935.4	1796.7	1701.9	1883.9	2175.7	2354.3	2365.3	2482.4	2678.9
	Production	1646.5	421.9	1359.6	551.9	2172.7	2073.1	2039.6	2036.6	1861.8	2518.1
	Yield	828	218	757	324	1153	953	866	861	750	940
Haryana	Area	175.3	221.6	182.8	214.1	153.4	118.8	131.8	135.2	310.8	214.6
	Production	98.6	106.9	61.5	148.7	79.4	78.7	97.2	72.2	188.5	150.5
	Yield	563	482	336	695	518	663	512	534	607	701
Himachal Pradesh	Area	21.9	20	20.3	21.3	22	20.4	24.3	22.9	19.8	22.1
	Production	6.9	5.2	7.5	8.3	9	5.5	12.5	12.3	5.8	5.9
	Yield	315	260	370	390	409	270	494	537	293	267
Jammu & Kashmir	Area	34.6	37.9	49.4	39.1	38.1	40.3	55.8	48.1	52.2	53
	Production	25.3	26.2	40.3	28.8	28.9	30.4	48.3	42.2	64.3	69.1
	Yield	731	691	816	737	759	754	855	877	1232	1304
Karnataka	Area	1342.9	979.4	1289.1	1306	1413	1269.7	1371.9	1337.6	1226.4	1388.7
	Production	837.5	489.2	729.9	765.3	762.3	490.2	747.3	803.3	619.9	863.4
	Yield	624	500	566	586	540	386	552	601	506	622
Kerala	Area	26.5	27.8	29	29.3	33.9	32.6	30.4	31.4	30.3	24
	Production	20.5	19.9	21.5	22.8	27.2	22	17.7	18.4	15.6	12.1
	Yield	774	716	741	778	802	675	586	586	515	504

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State	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	
Madhya Pradesh	Area	2010.2	1859.9	2110.1	2100.2	2057	1952.1	2087.2	2144	1835.9	1975.1	1972.5
	Production	652.3	649.9	643.8	756.1	846.3	632.1	739.7	787.5	544	860.9	833.3
	Yield	325	349	305	360	411	324	354	367	296	436	423
Maharashtra	Area	1597.3	1388.9	1541.6	1702.8	1881	2022	1959.1	1921	1889.2	1967.5	2048.6
	Production	658	310.1	749.8	830.6	971.3	921.6	848.8	816.8	900.5	1005.3	1227.3
	Yield	412	223	486	488	516	456	433	425	477	511	599
Odisha	Area	356	374.7	387.9	453.8	494.3	400	499.1	596.5	638.6	646.2	750.2
	Production	265.1	265	285	289.9	309.3	202.2	258.1	322.8	210.7	347.1	406.5
	Yield	745	707	735	639	626	506	517	541	330	537	542
Punjab	Area	319.1	351.5	356.7	367.5	315.5	248	298.1	224	192	248	220.7
	Production	272.2	267.4	294.9	290.3	262.9	202.3	224.8	175.5	148.9	187.3	168.7
	Yield	853	761	827	790	833	816	754	784	776	755	764
Rajasthan	Area	1346.2	1064.5	1186	1245.3	1002.3	926.3	1049.8	1225.7	1044.6	1050.9	1338.8
	Production	393.2	382.9	339.2	499.7	395.3	343.4	419.6	554.9	250.6	385.7	652.3
	Yield	292	360	286	401	394	371	400	453	240	367	487
Tamil Nadu	Area	1261.4	1207.9	1277	1082.8	1044.4	1162.7	1258.4	1211.1	1136.4	904.9	1189.8
	Production	1320.7	1150.8	1254.6	882.3	1088.7	880.3	1283.3	1209.2	1109.4	718.5	1296.7
	Yield	1047	953	983	815	1042	757	1020	998	976	794	1090
Uttar Pradesh	Area	3868.7	3569.9	3601.5	3751.6	3752	3876.4	3773.4	3821.3	3670.9	3943.8	4057.6
	Production	1289	1591.1	1554	1907.6	1855.4	1555.4	1497.8	1579.3	1001.8	1652	1713
	Yield	333	446	432	509	495	401	397	413	273	419	422
West Bengal	Area	175.1	143.5	193.9	192.1	194.6	157.9	213.4	236.6	227.5	310.9	346.6
	Production	57.1	58.9	65.9	74.8	77.5	62.9	96.8	93.3	98.2	148.9	176
	Yield	326	411	340	389	398	398	454	394	432	479	508

State	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82
Tripura	Area	5.1	6.3	6.1	6.9	6.3	6.4	6.2	6.5	7.1	6.4
	Production	2.5	1.8	2.5	3	3.3	3.5	3.1	3.2	4.5	3.5
	Yield	403	353	397	492	478	547	500	492	634	547
Sub-Total	Area	160.4	187	196.8	205.2	234.3	264.5	299.5	335.4	356.6	390.8
	Production	75.2	79.2	105.1	82.8	123.1	160.7	211.8	184.3	268.9	323.5
	Yield	469	424	534	404	403	608	707	550	754	828
Other States											
D & N Haveli	Area	--	--	--	0.3	0.4	0.7	0.7	0.5	0.6	0.3
	Production	--	--	--	0.2	0.2	0.3	0.3	0.3	0.1	0.1
	Yield	--	--	--	667	500	429	429	600	167	333
Delhi	Area	1	1.3	0.7	1.9	0.4	0.4	0.4	0.6	0.8	1
	Production	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.1
	Yield	200	154	143	158	143	250	250	167	250	100
Pondicherry	Area	4.6	3.9	5.5	4.5	3.6	3.5	3.8	3.3	3.8	3.3
	Production	6	4.9	10.3	8.2	6.1	3.3	4	3.5	4.5	3.8
	Yield	1304	1256	1873	1822	1694	943	1053	1061	1184	1152
Sub-Total	Area	5.6	5.2	6.2	6.4	5.3	4.6	4.9	4.4	5.2	4.6
	Production	6.2	5.1	10.4	8.5	6.5	3.7	4.4	3.9	4.8	4
	Yield	1107	981	1677	1328	1226	804	898	886	923	870
Total	Area	17124.6	15639.2	16617.2	16907.1	16513.4	17167	17707.7	16941.1	17602.5	18908.3
	Production	8992.6	7032.6	9180.6	8872.9	10299.2	9662.3	10100.5	8739.3	9373.1	12079.5
	Yield	525	450	553	525	624	563	570	516	533	639

State	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93
Andhra Pradesh	Area	2051.1	2259.2	2217.5	2208	2165.1	2595.5	2912.8	3119.8	3330.2	3146.8
	Production	1255.7	1839	1367.9	1439.4	1436.3	2085.9	2310.4	2542.3	2490	2312.7
	Yield	612	814	617	652	663	804	779	815	748	735
Bihar	Area	235.1	247.5	241.1	234	228.3	216.2	235.8	242.3	227.8	208.5
	Production	113.7	143	140.8	127.1	124.3	118.5	119.4	149.5	164.6	117.6
	Yield	484	578	584	543	545	548	565	617	723	564
Gujarat	Area	2552.9	2663.2	2669.6	2353.8	2369.9	1398.3	2817.4	2714.8	2873.7	2920.9
	Production	1785.3	2377.7	2214.6	880	1674.1	398.2	3594.2	2106.2	1643.7	3185.6
	Yield	699	893	830	374	706	285	1481	776	572	1091
Haryana	Area	175	206.1	325.5	354.2	289.3	335.7	391	486.8	744.9	612.2
	Production	117.2	164.7	305.7	282.3	226.3	333.4	483.9	646	827	588.4
	Yield	670	799	939	797	782	993	1238	1327	1110	961
Himachal Pradesh	Area	20.7	20.8	20.6	19.7	20.7	23.1	21.2	18.1	22	21.3
	Production	5.6	6	4	5.3	5.3	3.1	4.9	5	7.2	7.4
	Yield	271	289	194	269	256	134	231	276	327	347
Jammu & Kashmir	Area	56.4	59.6	65.2	72.8	68	63.7	64.4	68.3	76.4	79.8
	Production	50.9	57.4	62	69.9	62.6	31.1	28.5	36.4	45.9	47.7
	Yield	903	963	951	960	921	488	443	533	601	598
Karnataka	Area	1454.4	1675.2	1559.4	1883.9	2170.2	2722	2304.5	2549.5	2986.3	2771.7
	Production	784.3	1092.5	1347.8	986.4	1256.4	1508.8	1391.4	1337.9	1817.3	1761.2
	Yield	539	652	864	524	579	554	604	525	609	635
Kerala	Area	23.9	24.7	26.2	25.3	24.6	24.6	26.5	23.8	24.2	22.7
	Production	12.2	12.9	15.4	9.7	9.4	7.7	18.6	11	11.5	12.4
	Yield	511	522	588	383	382	313	702	462	475	546

State	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	
Madhya Pradesh	Area	2248.5	2299.5	2700.5	2777.7	2687.3	2950.4	3218	3618	3977.1	4363.6	4812.8
	Production	875.9	1184.1	1378.3	1416	1251.6	1610	2347.7	2364.4	3191.4	2979.8	3583.4
	Yield	390	515	510	510	466	546	730	654	802	683	745
Maharashtra	Area	1997.4	2246.9	2249.7	2186.1	2135.2	2449.7	2737.9	2664.7	2845.9	2251.5	2586
	Production	1060.5	1430.4	1405.2	980.5	839.8	1315.3	1702.3	1835.2	1892.6	1095.1	1771.5
	Yield	531	637	625	449	393	537	622	689	665	486	685
Odisha	Area	667.7	824.3	769.6	886.5	887.2	903.4	943.2	979.4	957.3	995.3	433.7
	Production	387.5	520.4	513	571.8	518.7	542.6	615.3	631.1	621.8	578.8	188.7
	Yield	580	631	667	645	585	601	652	644	650	582	435
Punjab	Area	178.4	155.6	197.8	206	185.2	252.5	155.2	142.2	115.7	205.8	188.9
	Production	133	120.2	198.5	197.5	166.4	236.4	145	132.2	110.8	258.5	231.2
	Yield	746	773	1004	959	899	936	934	930	958	1256	1224
Rajasthan	Area	1334.7	1506.4	1911.5	1937.8	1497	1944.9	2270.2	2526.1	3079.7	3561.9	3356.3
	Production	625.6	951.4	1189.2	912.6	882.6	1258	1917.2	1845.6	2355.6	2710.7	2541.5
	Yield	469	632	622	471	590	647	845	731	765	761	757
Tamil Nadu	Area	1092.5	1120.6	1097.8	1073.7	1036.7	1291.2	1253.4	1269.6	1148.6	1298.2	1389.1
	Production	913.5	1038	1042.6	1233	1138.2	1324.4	1321.2	1304.4	1242.1	1597.7	1866.1
	Yield	836	926	950	1148	1098	1026	1054	1027	1081	1231	1343
Uttar Pradesh	Area	2857.2	2546.7	1938	1888.7	1877.8	1754.8	1833.8	1764	1690.2	1771	1705.1
	Production	1336.4	1181	1113.4	1007.6	916.7	858.8	1160.8	1146.9	1342.7	1375.7	1202.2
	Yield	468	464	575	534	488	489	633	650	794	777	705
West Bengal	Area	355	359	389	371	424	591	493	489	514	574	522
	Production	170	195.2	236.2	233.8	263.8	506.2	403.8	418.3	453.8	451	411
	Yield	478.3	543.6	606.7	630.2	622.8	857.2	819.2	855.6	883.6	786	786.8

State	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93
Sub-Total	Area 17301	18215	18379	18479	18066	19517	21317	22239	23552	25307	24778
	Production 9627.3	12313.9	12534.6	10352.9	10772.5	12138.4	17564.6	16471.6	18045.1	18054.5	19828.6
	Yield 556.4	676	682	560.2	596.3	622	824	740.7	766.2	713.4	800.2
North Eastern States											
Arunachal Pradesh	Area	10.3	11.1	11.3	15.9	13.5	19.5	20.6	21.2	21.2	22.4
	Production	7.2	7.9	8.1	13.8	15.5	15.4	17.8	19.8	19.9	23.8
	Yield	699	712	717	868	1148	1148	790	864	934	939	1063
Assam	Area	289.2	309	348.3	317.4	363.8	347.7	327.5	319.7	328.1	314.7
	Production	135.3	153.2	136.9	150.1	160.5	179.9	146.2	169.3	189.6	149.7
	Yield	468	496	393	473	480	495	446	530	578	476
Manipur	Area	4.1	4.1	4.1	4.4	4.1	3.7	2.4	2.6	2.7	4.2
	Production	2.1	2.1	2.1	2.9	2	1.8	1.2	1.3	1.2	1.9
	Yield	512	512	512	659	500	487	500	500	444	452
Meghalaya	Area	7.5	6.4	8.5	8.8	9	8.8	8.7	8.8	8.8	8.8
	Production	4.2	3.4	5.3	5.9	5.5	5.7	5.4	5.4	5.6	4.2
	Yield	560	531	624	671	625	633	557	621	614	477
Mizoram	Area	1.8	1.8	3.7	1.1	1.2	2.8	2.8	6.3	6.8	7.2
	Production	0.6	0.6	1.3	1.2	1.4	1.5	2	6	6.7	6.9
	Yield	333	333	351	1091	1167	833	714	964	952	958
Nagaland	Area	120.3	119.7	145.4	169	175.4	165.4	160.8	198.4	173.8	69.5
	Production	203.8	195.8	240.7	284.1	291.5	285.8	246.3	330.7	293.5	67.2
	Yield	1694	1636	1655	1681	1662	1469	1532	1667	1689	967
Sikkim	Area	8.9	10.4	10.5	10.8	10.9	11.3	14.7	13.5	13.6	6.9
	Production	6	7.3	8.2	10.3	11.4	12.1	15.1	14.4	11.1	5.7
	Yield	674.2	701.9	781	953.7	1045.9	1070.8	1032.3	1027.2	1066.7	826.1

State	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93
Tripura	Area	7	7	7	7	9	10	14	14	15	15
	Production	3.8	3.8	3.7	4	6	6.8	10.2	10.3	10.5	10.8
	Yield	558.8	542.9	552.2	588.2	589	645.2	708.3	715.3	724.1	729.7
Sub-Total	Area	449	470	539	534	607	571	552	585	570	449
	Production	363	374.1	406.3	472.3	491.3	462	444.9	557.2	538.1	270.2
	Yield	808.6	796.8	754.5	884.1	886.7	837.2	809.7	806.1	952.6	602.5
Other States											
D & N Haveli	Area	0.2	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.2	0.2
	Production	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2
	Yield	500	250	250	333	333	200	400	500	333	500	1000
Delhi	Area	1	0.9	1.5	1.5	1.7	4.4	4.5	7.2	5.9	4.6
	Production	0.2	0.1	0.2	0.2	0.3	0.4	0.7	0.8	1	0.7
	Yield	200	111	133	133	177	154	159	178	153	152
Goa	Area	--	--	--	--	--	0.9	0.9	0.7	0.9	0.9
	Production	--	--	--	--	--	1.4	1.5	1	1.5	1.7
	Yield	--	--	--	--	--	1555.6	1555.6	1428.6	1666.7	1888.9
Pondicherry	Area	2.9	3.1	3.9	3.8	3.6	3.7	3	2.9	3.1	3.3
	Production	4.8	3.2	4.9	5.2	5.5	5.9	4.9	4.2	4.6	5.1
	Yield	1655.2	1032.3	1256.4	1368.4	1527.8	1594.6	1484.8	1566.7	1448.3	1483.9	1545.5
Sub-Total	Area	4.1	4.4	5.8	5.6	5.6	7.7	9.1	11.1	10.1	9
	Production	5.1	3.4	5.2	5.5	5.9	7.8	7.2	6.4	7.2	7.7
	Yield	1243.9	772.7	896.6	982.1	1053.6	1013	791.2	809	576.6	712.9	855.6
Total	Area	17754.3	18689.3	18923.6	19019	18625.8	20131.6	21896.6	22799.5	24147.5	25235.7
	Production	9995.4	12691.4	12946.1	10830.7	11269.7	12654.7	18033.8	16923.7	18608.7	20106.5
	Yield	563	679.1	684.1	569.5	605.1	628.6	823.6	742.3	770.6	796.7

State	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04
Andhra Pradesh	Area	3245.7	3099.6	3143	2985.7	2597	2747.3	2566.2	2441	2315.5	2546.3
	Production	2899.6	2110.1	3039.9	2396.2	1424.1	2465.8	1382.7	1614	1256.3	1614.1
	Yield	893	681	967	803	548	898	539	661	543	634
Bihar	Area	243.2	228.7	224.5	204.8	201.1	213.5	192	143.2	137.4	140.6
	Production	151.4	144.1	142.2	135	150.9	173.9	139.5	120.2	104.9	123.8
	Yield	623	630	633	659	750	815	727	839	764	881
Chhattisgarh	Area	--	--	--	--	--	--	269	278.5	264.6	293.9
	Production	--	--	--	--	--	--	88.5	112.6	100.7	127
	Yield	--	--	--	--	--	--	329	404	381	432
Gujarat	Area	3016.1	3041.7	2921.7	2842.7	2921.3	2933.4	2799.4	2825.4	2791.5	2979.4
	Production	1572.4	3706.9	2164.4	3807.1	3837.6	3886.3	1726.2	1661.6	1683.1	5665
	Yield	521	1219	741	1339	1314	1325	617	603	603	1901
Haryana	Area	624.7	620	610.1	679.8	594.5	558.3	463	546.3	624.7	644.8
	Production	869.7	863.2	782.9	1004.8	423.2	714.3	607	806.9	711.7	997.8
	Yield	1392	1392	1283	1478	712	1279	1311	1477	1139	1548
Himachal Pradesh	Area	20.8	21.2	20.2	19.8	19	19.2	19.4	18.3	15.7	16.2
	Production	4.7	8.2	9.5	9.4	9.1	9.9	10.2	10	8.2	9.2
	Yield	226	387	470	475	479	516	526	552	553	568
Jammu & Kashmir	Area	72.5	64.2	67.4	70	69	70.5	75.9	77.9	66.1	63
	Production	44.2	26.5	43.6	47.8	46.9	51	53.4	41.8	26.6	42.1
	Yield	610	413	647	683	680	723	704	537	402	668
Jharkhand	Area	--	--	--	--	--	--	44.8	44.8	21	34
	Production	--	--	--	--	--	--	28	28	8.1	8
	Yield	--	--	--	--	--	--	625	625	386	235

State	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	
Karnataka	Area	3126.1	2564.7	2617.4	2606.7	2176.7	2437.1	1982.4	1913.2	1737.3	2005.3	2267.4
	Production	1888.7	1542.4	1742.2	1756.5	1203.4	1677.6	1192.8	1541.7	1019.9	1073.8	994.1
	Yield	604	601	666	674	553	688	602	806	587	536	412
Kerala	Area	19.7	24.4	20.2	19.2	14.6	13.6	9.5	5.7	3.3	2.9	3.9
	Production	11.1	15.1	11.4	11.8	10.1	8.1	5.8	3.5	2.1	1.4	2.3
	Yield	564	619	564	615	692	596	611	614	636	483	590
Madhya Pradesh	Area	5323.3	5048.5	5632.3	5958.7	6204.1	6214.2	5916.2	5530.2	5583.9	5145	5362.1
	Production	4735.1	3856.5	4949.6	5107.7	5694.6	5685.9	5727.6	4046.3	4567.6	3143.9	5623.6
	Yield	890	764	879	857	918	915	968	732	818	611	1049
Maharashtra	Area	2844.9	2660	2555.2	2688.9	2604.1	2674.6	2739.6	2559	2359.4	2488	2763
	Production	2346.2	1814.5	1980.5	2390.5	1678.8	2570.8	2668.5	2096.8	2226.4	2356	2921
	Yield	825	682	775	889	645	961	974	819	944	947	1057
Odisha	Area	504.4	411.1	402.6	401.6	419.3	374.5	342.4	277.3	325.7	265.8	304.5
	Production	232.4	185.4	184.8	173.2	195.9	167	167.7	114.9	137.5	93.7	156.9
	Yield	461	451	459	431	467	446	490	414	422	353	515
Punjab	Area	176.8	209.2	252.2	214.8	193.7	158.4	104.7	86.5	82.3	102.9	87.3
	Production	235	263.6	306.1	284	218.6	170.5	111.7	87.4	82.6	90.9	103.8
	Yield	1329	1260	1214	1322	1129	1076	1067	1010	1004	883	1189
Rajasthan	Area	3610.9	3388.5	3841	3882.4	4421.3	4305.2	3635.4	2646.4	3105.7	2448.9	3226.1
	Production	2405.2	2834.1	3070	3531.5	3296.9	3811.4	3407.4	2035.4	3129	1754.6	3996.8
	Yield	666	836	799	910	746	885	937	769	1008	717	1239
Tamil Nadu	Area	1361.6	1287.9	1092.8	1053.3	1000.7	995.7	998.8	839.4	781	592.5	695
	Production	1968.3	1874.4	1593.6	461.8	1474.2	1642	1476.4	1441.7	1313	760	963.6
	Yield	1446	1455	1458	438	1473	1649	1478	1718	1681	1283	1387

State	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	
Uttar Pradesh	Area	1719.7	1655.4	1612.5	1755.9	1732.1	1561.1	1479.3	1425.4	1229.4	1176.7	1088.7
	Production	1423.8	1378.9	1423.8	1538.8	1006.4	1088.7	1286.6	1144.6	1034	881.4	927.8
	Yield	828	833	883	876	581	697	870	803	841	749	852
Uttarakhand	Area	--	--	--	--	--	--	--	22	24.8	32	37
	Production	--	--	--	--	--	--	--	14.5	17.7	23	34
	Yield	--	--	--	--	--	--	659.1	713.7	718.8	918.9	
West Bengal	Area	533	531	499	512	509	492	503	599	605	569	684
	Production	416.2	414.6	372.1	429.6	387.7	382.5	406.2	570.9	495.3	476.1	650.7
	Yield	781	780.2	746.1	839.2	761.1	777.6	807.7	953.1	819.4	837	951.7
Sub-Total	Area	26443	24857	25512	25896	25678	25769	23827	22345	22213	21065	23237
	Production	21204	21038.5	21816.6	23085.7	21058.4	24505.7	20369.7	18126.7	20394.1	14554.4	24901.6
	Yield	801.9	846.4	855.2	891.5	820.1	951	854.9	811.2	918.1	690.9	1071.6
North Eastern States												
Assam	Area	23	24.6	23	24.2	24.1	24.7	25.5	24.7	26.2	26.6	26.5
	Production	25.2	23.5	23.8	22.9	23	23.9	25.7	25.6	28.2	28.2	27.3
	Yield	1096	955	1035	946	954	968	1008	1036	1076	1060	1030
Manipur	Area	305	308.6	306	312.3	316.8	325.4	322.1	310.4	308	297	299
	Production	144.7	163.7	155.7	159.5	173.9	154.2	147.6	160	156	149	157
	Yield	474	531	509	511	549	474	458	516	507	502	525
Meghalaya	Area	4.2	3.7	3.1	3.1	2	2.2	2.6	2.8	1	0.8	0.8
	Production	1.9	1.7	1.4	1.5	1	1	1.2	1.3	0.4	0.4	0.4
	Yield	452	460	452	484	500	455	462	464	400	500	500
Meghalaya	Area	9	9	9.1	9.1	9.1	9.1	9.3	9.4	9.5	9.8	9.8
	Production	5.6	5.7	6.4	5.9	5.9	6.1	6.2	6.3	6.4	6.5	6.4
	Yield	622	633	703	648	648	670	667	670	674	663	653

State	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04
Mizoram	Area	8	7.7	8.8	9.1	7.3	7.2	7.2	7.8	6.9	7.5
	Production	7.6	7.1	11.1	12.3	7.5	7.2	5.4	5.1	5.1	5.4
	Yield	974	950	922	1261	1352	1000	750	654	739	720
Nagaland	Area	69.9	60.4	73.1	25.3	28.5	43	47	49.5	60	58.2
	Production	81.6	74.1	74.5	20.4	24.8	43.3	46.1	53.2	74	66.8
	Yield	1167	1227	1019	806	870	1007	981	1075	1233	1148
Sikkim	Area	8.4	8.8	9.6	9.7	9.6	10	10	10	9.8	9.9
	Production	6.6	6.8	7.6	7.6	7.6	7.6	6.9	6.9	7.1	7.4
	Yield	785.7	772.7	791.7	783.5	791.7	525.8	690	690	724.5	747.5
Tripura	Area	15	13	12	11	9	6	7	5	5	5
	Production	11.2	9.8	8.5	8.5	7.2	5.5	4.7	3.8	3.5	3.8
	Yield	767.1	742.4	720.3	765.8	774.2	723.7	723.1	717	700	730.8
Sub-Total	Area	442	436	443	404	409	426	418	417	416	417
	Production	284.4	292.9	285	237.4	255.7	243	256.3	260	273.8	274.5
	Yield	643.6	671.3	642.8	588.2	625.9	564.7	613.2	623.1	658.3	658.4
Other States											
D & N Haveli	Area	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1
	Production	--	--	--	0.1	0.1	0.1	0.1	0.3	0.1	0.1
	Yield	--	--	--	1000	333	1000	1000	1000	3000	1000
Delhi	Area	7.8	7.8	7	5.6	4.8	2.7	4.1	3.4	3.4	4.2
	Production	1.4	1.4	1.1	0.8	0.7	0.6	0.7	3.4	3.5	1.7
	Yield	180	180	157	143	146	222	171	1000	1029	405

State	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04
Goa	Area	1.1	1.1	1.2	1.4	1.4	1.3	1.8	1.6	2.4	3.3
	Production	2	2.1	1.9	2.7	2.5	2.3	3.2	2.5	4.3	5.7
	Yield	1818.2	1909.1	1583.3	1928.6	1666.7	1769.2	1777.8	1562.5	1791.7	1727.3
Pondicherry	Area	2.5	2.3	2.4	2.1	1.6	1	1.3	1.4	1.7	1.5
	Production	3.8	3.5	2.3	2.4	2.3	2.2	2.3	2	2.3	2.7
	Yield	1520	1521.7	958.3	1142.9	1437.5	2000	1769.2	1428.6	1352.9	1800
Sub-Total	Area	11.5	11.3	10.7	9.2	8.2	7.4	7.3	6.5	7.6	9.1
	Production	7.2	7	5.3	6	5.6	5.5	6.3	8.2	10.2	10.2
	Yield	626.1	619.5	495.3	652.2	682.9	743.2	1098	1261.5	1342.1	1120.9
Total	Area	26896.7	25304.1	25965.9	26309	26094.6	24258.1	22769.9	22636.3	21488.8	23662.9
	Production	21495.6	21338.4	22106.9	23329.1	21319.7	24749.9	18389.3	20662.3	14838.4	25186.3
	Yield	799.2	843.3	851.4	886.7	817	944.7	850	912.8	690.5	1064.4
State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Andhra Pradesh	Area	2918.4	2922	2235	2657	2599	2072	1945	1945	2030.6	1569
	Production	2209.4	2041	1362	3390	2189.1	1500	1995.6	1651.1	1885.6	1220
	Yield	757	699	609	1276	842	724	861	650	849	778
Bihar	Area	131.8	139	142.9	140.8	138.1	138.8	130	133.4	128	124.2
	Production	116.9	136.5	147.4	137.9	138	144.6	136.3	139.5	143.3	131.4
	Yield	887	982	1032	979	999	1042	1049	1046	1120	1058
Chhattisgarh	Area	290.7	302.1	321.1	361.8	381.5	330.1	316.5	308.3	289.5	291
	Production	123.7	126.5	161.4	192.6	193.5	200.4	217.2	169.5	215	173
	Yield	426	419	503	532	507	607	686	550	723	595
Gujarat	Area	3016.1	3032	2828	2920	2984.8	2793	2893	3131	3079	2569
	Production	2986.9	4682	2569	4725	4015.9	3097	4896.1	5035	6870.4	3983.6
	Yield	990	1544	908	1618	1346	1109	1692	1103	2231	1551

State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Haryana	Area	714.6	734.2	621	529.3	541.3	519.5	553	580.2	549.1	511.2
	Production	840.5	825.2	834.6	642.8	932.8	963.8	771	993.1	899	723.3
	Yield	1176	1124	1344	1214	1723	1855	1394	1712	1637	1415
Himachal Pradesh	Area	19	15.1	14.9	14.7	13.7	15	14.9	13.5	12.5	14
	Production	12	5.2	7.1	6.5	5	7.7	8.6	6.9	6.1	8.2
	Yield	632	344	477	442	365	513	577	511	488	591
Jammu & Kashmir	Area	110.4	6.3	69.4	63	65.3	64.6	64.5	64.8	65.7	66.1
	Production	124.2	2.7	42.3	53.3	49.6	53	53.3	51.1	58.8	44.3
	Yield	1125	429	610	846	760	820	826	789	895	670
Jharkhand	Area	29	27.3	118.5	124.4	130.6	182	228.9	250.6	275.8	267.6
	Production	7	8.5	50	68.8	73.2	113.7	155.5	197.2	182.9	174.5
	Yield	241	311	422	553	561	625	679	787	663	652
Karnataka	Area	2674	2857	2354	2276	2178	1624	1416	1422	1410	1361
	Production	1570	1715	1125	1549	1212	1270	942	919.6	1162	1052
	Yield	587	600	478	681	557	782	665	647	824	773
Kerala	Area	2.4	3.9	3.6	3.4	2.3	2	1.9	1	1	0.6
	Production	1.9	2.6	3.2	2.4	1.6	2.1	2.4	1.1	1	0.7
	Yield	792	667	889	706	696	1050	1263	1100	1000	1179
Madhya Pradesh	Area	5760.2	5668.3	6086.7	6258.1	6489.6	7029.9	7201.6	7534.4	7732	7085
	Production	4797.7	5721.9	5814.2	6352	6976.9	8035.4	7727.8	9276	6634.9	7724.3
	Yield	833	1010	955	1015	1075	1143	1073	1231	858	1090
Maharashtra	Area	3359	3648	3863	3825	3980	3615	3667	3806	4148	4308.8
	Production	2744.1	3373	3721	4874	3409.7	5040	4485	5086.8	5293.9	2833.2
	Yield	817	925	963	1274	857	1394	1223	1337	1276	658

State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Odisha	Area	316	318.1	323.2	298.3	276.3	290.4	152.2	243.3	223.4	211.9
	Production	179.5	187.7	196.6	180.3	162.2	179.8	125.8	170.3	168.8	146.5
	Yield	568	565	551	608	604	587	619	827	700	692
Punjab	Area	91.4	81.7	70.4	59.4	59.7	53.5	50	51.4	48.1	73.9
	Production	100.4	89.6	78.2	76.5	76.2	83.4	71.5	68	64.2	78.7
	Yield	1099	1097	1111	1288	1276	1354	1336	1360	1350	1065
Rajasthan	Area	5133.4	5257	4508	3995.4	4649	5488.4	4622.7	4912.2	5274	4461
	Production	5541.1	5964	5166.8	4197.6	5178.4	4407.2	6604.8	5744.5	6364.6	5318.5
	Yield	1079	1135	1146	1051	1114	1066	1203	1243	1296	1144
Tamil Nadu	Area	715.7	709.9	592.4	659.3	585.4	449.4	449.2	388.5	408.2	419.4
	Production	1061.1	1152.9	1083.5	1146.7	1043	939.6	933.1	1113.7	816.9	961.1
	Yield	1483	1624	1829	1739	1782	1899	2076	2479	2103	2292
Uttar Pradesh	Area	1105.6	1073.5	1234.2	1340.1	1346.2	1105	1129	1147	1106	1127
	Production	952.3	1066.5	1033.3	1146.8	1164.5	816	919.4	935	1030.5	787.4
	Yield	861	994	837	856	865	753	832	828	898	699
Uttarakhand	Area	41	35	28	30	26	29	27.2	32.2	31.8	32
	Production	38	30	21	29	26	33	27.5	39.7	34.1	28.5
	Yield	926.8	857.1	750	966.7	1000	1137.9	1011	1083.3	1232.9	892
West Bengal	Area	678	641	703	707	704	672	676	732	770	779.3
	Production	652.9	610.4	645.4	705.1	582.6	727.1	703.6	672.4	850.7	930.3
	Yield	963.7	952.1	917.5	997.2	827.9	1065.2	1047.6	994.5	1162	1194
Sub-Total	Area	27106	27485	26113	26288	27173	26796	25775	26002	27578	25271.9
	Production	24059.6	27741.2	24040.5	29492.6	27448.3	24577.4	32170.6	29446.2	30588.3	26319.7
	Yield	887.6	1009.3	920.6	1121.9	1010.1	963.8	1200.6	1142.4	1176.4	1041

State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
North Eastern States												
Arunachal Pradesh	Area	25.9	27.1	27.1	26.6	31.7	30.5	31.6	32.5	32.3	32.8	--
	Production	27	22.7	22.7	25.6	30.5	28.3	29.1	33	29.3	31.4	--
	Yield	1043	838	838	962	962	928	921	1015	907	957	--
Assam	Area	277.4	243.4	270.5	266	254.7	275.3	266.7	268.3	306.2	305	297
	Production	146.8	113.2	134	139	137.9	144.7	153.6	149.5	186.8	186.3	186.5
	Yield	529	465	495	523	541	526	576	557	610	611	628
Manipur	Area	1.8	0.1	0.1	2.1	0.9	0.9	34.5	35.9	44.1	36.9	--
	Production	0.8	0.7	0.7	0.9	0.7	0.7	26.7	28.3	32.1	31	--
	Yield	444	7000	7000	429	778	778	774	788	728	840	--
Meghalaya	Area	9.8	9.8	9.8	10	10.5	9.9	10	9.9	10	13.7	--
	Production	6.5	6.7	6.6	6.7	7.1	7	7.1	7.6	6.9	14.1	--
	Yield	663	684	674	670	676	707	710	768	690	1029	--
Mizoram	Area	7.3	4.8	4.1	3.5	3.2	2.7	3.2	2.5	2.1	2.1	--
	Production	5.6	5.4	3.8	0.8	2.5	3	3.8	2.4	2.2	2.4	--
	Yield	767	1125	927	229	781	1111	1188	960	1048	1143	--
Nagaland	Area	70.3	67.8	69.5	76	62.6	101.3	63.7	64	64.5	64.8	--
	Production	81.9	62.8	62.6	68.1	71.5	84.6	66.3	66.8	67.5	67.9	--
	Yield	1165	926	901	896	1142	835	1041	1044	1047	1048	--
Sikkim	Area	9.9	9.9	9.9	8.6	9.7	9.8	9.5	9.3	8.2	8	--
	Production	7.6	7.2	7.2	7.5	7.4	9.4	7.9	7.8	7.1	7.1	--
	Yield	767.7	727.3	727.3	872.1	762.9	959.2	831.6	838.7	865.9	887.5	--
Tripura	Area	5	6	4	4	4	4	5	5	5	6	--
	Production	3.9	3.9	3.1	2.7	2.5	2.5	3.4	3.5	2.4	4.6	--
	Yield	722.2	709.1	704.5	675	714.3	714.3	739.1	744.7	500	754.1	--

State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Sub-Total	408	368	395	397	377	434	424	427	472	469	--
Production	280.1	222.6	240.7	251.3	260.1	280.2	297.9	298.9	334.3	344.8	--
Yield	686.9	604.2	608.8	633.3	690.3	645.8	702.9	699.8	708	734.6	--
Other States											
Andaman and Nicobar Islands	--	--	--	--	--	--	--	--	--	0.039	--
Production	--	--	--	--	--	--	--	--	--	0.013	--
Yield	--	--	--	--	--	--	--	--	--	333	--
D & N Haveli	0.1	0.1	0.1	0.1	--	0.2	0.08	0.1	0.1	0.2	--
Production	0.1	0.1	0.1	0.1	0.1	0.1	0.06	0.08	0.084	0.1	--
Yield	1000	1000	1000	1000	--	500	750	800	840	500	--
Delhi	4.1	3.8	0.2	3.1	3.9	3.9	1	4	6.8	--	--
Production	5	2.9	0.3	2.7	0.6	4.9	1.3	4.9	8.6	--	--
Yield	1219.5	763.2	1500	871	153.8	1256.4	1300	1225	1264.7	--	--
Goa	3.4	3.3	2.6	3.7	3.8	2.9	2.9	3.2	3.1	2.6	--
Production	5.4	7.9	4.6	7	8.2	8.1	8.3	8	7.5	6.6	--
Yield	1588.2	2393.9	1769.2	1891.9	2157.9	2793.1	2862.1	2500	2419.4	2538.5	--
Pondicherry	1.7	1.8	1.8	0.9	0.9	0.7	0.5	0.4	0.5	0.5	--
Production	3.3	3.2	3.2	1.6	1.8	1.1	0.9	0.5	0.9	1	--
Yield	1941.2	1777.8	1777.8	1777.8	2000	1571.4	1800	1250	1800	2000	--
Sub-Total	9.3	9	4.7	7.8	8.6	7.7	4.5	7.7	10.5	3.3	--
Production	13.8	14.1	8.2	11.4	10.7	14.2	10.6	13.5	17.1	7.7	--
Yield	1483.9	1566.7	1744.7	1461.5	1244.2	1844.2	2355.6	1753.2	1628.6	2333.3	--
Total	28050.6	27523.3	27862.8	26512.7	26692.6	27557.9	25942.8	27224.3	26209.5	26484.4	25726.4
Production	32749.5	24353.5	27977.9	24289.4	29755.3	27719.1	24871.8	32479.1	29758.6	30939.7	26674.8
Yield	884.8	1004.1	916.1	1114.7	1005.8	958.7	1193	1135.4	1168.2	1167.5	1037

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates, Andhra Pradesh data for the years 2013-14 and 2014-15 includes Telangana State also.

14.2 Oilseed Profile of Andhra Pradesh

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	283.6	232	291	271	345	202	199	159	148	188	254	209	191.6	99
	Prod.	83	86	132	105	140	87	129	81	64	121	52	105	124.2	57
	Yield	293	371	454	388	406	431	648	509	432	644	205	502	648	576
Groundnut	Area	1438.7	1271	1258.6	1605.4	1615	1107	1500	1500	1011	1347	1057	1059	1107	816
	Prod.	817.6	542	607	1248.5	912	333	2036	1041.2	389	888	382	564	713	352
	Yield	568	426	482	778	565	301	1357	694	385	659	361	533	644	431
	Area	252	199	235	236	261	227	295	266	290	275	250	286	279	213
	Prod.	432	278	379	391	454	410	568	512.9	617	570	462	551	523	441
	Yield	1714	1397	1613	1657	1740	1806	1925	1928	2128	2073	1848	1927	1875	2070
Total	Area	1690.7	1470	1493.6	1841.4	1876	1334	1795	1766	1301	1622	1307	1345	1386	1029
	Prod.	1249.6	820	986	1639.5	1366	743	2604	1554.1	1006	1458	844	1115	1236	793
	Yield	739	558	660	890	728	557	1451	880	773	899	646	829	892	771
Linseed	Area	6	4	5	4	4	3	1	1	1	1	--	--	1	
	Prod.	1	1	1	1	1	1	--	--	--	--	--	--	0.5	
	Yield	167	250	200	250	250	333	--	--	--	--	--	--	500	
Niger	Area	19	15	17.3	16.1	16	14	13	13	8	10	7	8	9	7
	Prod.	8	6	6.8	6.4	6	5	5	5	3	4	3	6	5	3
	Yield	421	400	393	398	375	357	385	385	375	400	429	750	556	429
Rapeseed & Mustard	Area	3	3	2	4	6	5	6	6	4	7	7	4	5	8
	Prod.	1	1	--	1	2	3	3	4	2	3.6	4.7	2	3	4
	Yield	333	333	--	250	333	600	500	667	500	514	671	500	600	500
Safflower	Area	20	19.3	17	19	17	14	16	13	14	13	10	11	8	5
	Prod.	6	6.5	5	8	8	9	12	6	6	9	7	9.1	6	4
	Yield	300	337	294	421	471	643	750	462	429	692	700	827	750	800

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Sesame	Area	132.3	115	161	210	116	114	113	80	90	125	72	67	85	109
	Prod.	26.7	18	43	38	29	29	27	19	20	26	20	21	29	33
	Yield	202	157	267	181	250	254	239	238	222	208	278	313	341	303
Soybean	Area	19.4	41.2	68.4	76.9	98	103	88	142	156	128	130	159	245	
	Prod.	19.7	41.8	107.3	120.5	191	156	173	194	129	218	210	289	395	264
	Yield	1016	1015	1569	1567	1949	1515	1966	1366	827	1703	1615	1818	1612	1082
Sunflower	Area	95	127	144	143	131	128	116	89	92	42	17	19	20	12
	Prod.	59	78	91	79	46	52	73	57	35	31	10	15	16	7
	Yield	621	614	632	552	351	406	629	640	380	738	588	790	800	583
Rabi/ Summer	Area	172	289	347	333	313	318	310	330	258	183	141	123	80	56
	Prod.	160	198	242	211	252	277	364	269	235	125	114	89	71	55
	Yield	930	685	697	634	805	871	1174	815	911	683	809	724	888	982
Total	Area	267	416	491	476	444	446	426	419	350	225	158	142	100	68
	Prod.	219	276	333	290	298	329	437	326	270	156	124	104	87	62
	Yield	820	664	678	609	671	738	1026	778	771	693	785	732	870	912
Total	Area	2441	2315.5	2546.3	2918.4	2922	2235	2657	2599	2072	2319	1945	1945	2030.6	1569
	Prod.	1614	1256.3	1614.1	2209.4	2041	1362	3390	2189.1	1500	1995.6	1264.7	1651.1	1885.7	1220
	Yield	661	543	634	757	699	609	1276	842	724	861	650	849	929	778

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates, Andhra Pradesh data for the years 2013-14 and 2014-15 includes Telangana State also.

14.3 Oilseed Profile of Bihar

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Kharif	Area	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.2	0.1	0.1	0.2	0.2
		Prod.	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.2	0.1	0.1	0.2	0.1
		Yield	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	933
Groundnut	Kharif	Area	0.4	0.5	0.5	0.9	0.9	1.2	1.7	0.4	0.4	0.8	0.8	0.9	0.9
		Prod.	0.2	0.2	0.3	0.5	0.6	0.9	0.9	0.7	0.4	0.8	0.8	0.9	0.9
		Yield	500	400	600	556	500	556	500	529	1750	1000	1000	1000	1022
Linseed	Rabi	Area	35.8	29.2	34.7	27.6	28.6	27.8	26	24.4	23.4	23.4	22	18.7	18.8
		Prod.	25.6	22.2	27.2	23.2	26.4	23.5	22	20.6	20.8	20.3	19.1	15.9	16.1
		Yield	715	760	784	841	895	850	845	846	889	868	868	850	861
Rapeseed & Mustard	Rabi	Area	93.1	90.1	83.7	83.1	86.9	86.2	85.3	88.7	87.1	90.3	86.8	85.3	87.5
		Prod.	78.1	62	69	66.9	76	81.6	81.8	89.4	89.5	92.9	98.3	106.1	92.4
		Yield	839	688	824	805	926	1029	947	959	1008	1028	1133	1244	1056
Safflower	Rabi	Area	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.07	0.3	0.1	1.6	0.7
		Prod.	0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.06	0.2	0.08	1.3	0.5
		Yield	571	500	1000	1000	500	1000	1000	1000	857	667	800	813	806
Sesame	Kharif	Area	3.1	3.8	3.8	3.5	3.3	3.3	2.3	2.3	2.7	2.6	2.2	2.3	3.1
		Prod.	2	2.7	2.8	2.7	2.5	2.6	1.8	1.8	2.1	2.3	2	2	2.7
		Yield	645	711	737	771	806	758	788	783	778	885	909	870	872

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Sunflower	Kharif	Area	--	1.6	2.7	3.6	3	4	4	4	2.5	1.8	2	3.2	3.1	
		Prod.	--	2.5	3	4.3	3.7	4.8	4.8	5.1	3.2	2.4	2.8	4.1	4	
		Yield	--	1563	1111	1194	1233	1200	1200	1275	1280	1333	1400	1281	1291	
	Rabi/ Summer	Area	10.2	13.4	15.9	14	19	19.9	17.8	18.4	18.6	13.6	14.1	14	10.9	10.2
		Prod.	13.9	17.4	21.7	20.4	26.1	26.8	24.3	26.3	26.6	20	20.5	20.4	15.7	14.7
		Yield	1363	1299	1365	1457	1374	1347	1365	1429	1430	1471	1454	1457	1440	1447
Total	Area	10.2	13.4	17.5	16.7	22.6	22.9	21.8	22.4	22.6	16.1	15.9	16	14.1	13.2	
	Prod.	13.9	17.4	24.2	23.4	30.4	30.5	29.1	31.1	31.7	23.2	22.9	23.2	19.8	18.6	
	Yield	1363	1299	1383	1401	1345	1332	1335	1388	1403	1441	1440	1450	1404	1411	
Total Prod. Yield	Area	143.2	137.4	140.6	131.8	139	142.9	140.8	138.1	138.8	130	133.4	128	123.1	124.2	
	120.2	104.9	123.8	116.9	136.5	147.4	137.9	138	144.6	136.3	139.5	143.6	146.2	131.4		
	839	764	887	982	1032	979	999	1042	1049	1046	1122	1188	1058			

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.4 Oilseed Profile of Chhattisgarh

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	0.1	0.1	--	--	--	--	57	79	0.1	0.024	0.01	--	--	--
	Prod.	--	--	--	--	--	--	18	24	--	0.007	--	--	--	--
	Yield	--	--	--	--	--	--	316	304	--	292	--	--	--	--
Groundnut	Area	33.8	34.3	36.3	29.1	29.3	28.1	28.1	28.1	28.9	29	28.4	25.3	25.6	25.7
	Prod.	41.7	38.1	40.2	32.3	31.6	32.1	35.3	38	39.1	42.4	37.5	34.9	37.3	36.3
	Yield	1234	1111	1107	1110	1079	1142	1256	1352	1352	1462	1320	1379	1457	1412
Linseed	Area	82.3	67.6	75	74.6	72.2	67.5	59.3	48.9	40	38.4	39	31.2	26.2	31
	Prod.	22.2	19.7	23.1	16.5	17.9	16.9	18.2	13.3	12	10	14.5	8.9	11.1	12.3
	Yield	270	291	308	221	248	250	307	272	300	260	372	285	424	397
Niger	Area	74.6	72	74.4	71.5	73	73.8	72.3	71.3	71.5	66.7	69	64.2	65.1	64.2
	Prod.	14.3	11.5	13.1	11.9	12.3	13	12.9	12.8	11.5	11.5	11.9	11.4	11.8	11.4
	Yield	192	160	176	166	169	176	178	180	161	172	173	178	181	178
Rapeseed & Mustard	Area	50.3	47.5	55.3	57.1	57.2	56.9	52.5	51.7	59.6	51.8	49.8	50.2	47	45.9
	Prod.	18.7	15.6	22.8	21.4	18.9	23.5	21.1	19.6	25	21.1	21.7	25.8	26.2	26.4
	Yield	372	328	412	375	330	399	402	379	420	407	436	514	557	575
Safflower	Area	0.3	0.5	0.9	1.3	1.1	0.7	0.9	0.5	0.9	0.9	0.7	0.5	0.6	0.5
	Prod.	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.1	0.3	0.3	0.2	0.1	0.2	0.1
	Yield	333	200	222	231	273	286	222	200	333	333	286	200	333	200

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Sesame	Area	23.6	24.8	25.1	22.8	24.3	22.6	21.5	21	20.4	19.9	20.1	18.8	17.8	17.6
	Prod.	5.7	6.4	7.1	6.9	7.2	6.8	6.8	6.4	9	6.6	7.6	5.5	5	6.7
Soybean	Yield	242	258	283	303	296	301	316	305	441	332	378	293	281	382
	Area	10.6	15.2	20.8	33.2	40.9	68.5	69.2	79.4	108	106.3	100.4	106.3	106.6	349.9
	Prod.	8.7	8.3	18.4	33.8	36.8	68.3	79.5	78.4	103.2	124.4	75.6	128.1	93.5	79.7
	Yield	821	546	885	1018	900	997	1149	987	956	1170	753	1205	877	753
Sunflower	Area	2.9	2.6	6.1	1.1	4.1	1	1	1.6	0.7	3.5	0.9	1	0.6	0.1
	Prod.	1.2	1	2.1	0.6	1.5	0.6	0.6	0.9	0.3	0.9	0.5	0.3	0.3	--
Total	Yield	414	385	344	546	366	600	600	563	429	257	556	300	500	470
	Area	278.5	264.6	361.8	381.5	330.1	316.5	308.3	293.9	290.7	302.1	321.1	297.5	289.5	291
	Prod.	112.6	100.7	192.6	193.5	200.4	217.2	169.5	127	123.7	126.5	161.4	215	185.4	173
	Yield	404	381	432	426	419	503	532	507	607	686	550	723	640	595

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>
Note: 2014-15 – Fourth advance estimates.

14.5 Oilseed Profile of Gujarat

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	304.7	242.2	290.3	325.6	342	288	358	433.9	421	491	878	751	627	683
	Prod.	465.1	283.1	541.1	563.3	665	533	708	852	831	986	1803	1493	1287.9	1298
	Yield	1526	1169	1864	1730	1944	1851	1978	1964	1974	2008	2054	1988	2054	1900
Groundnut	Area	1850.7	1972.6	1912.8	1931.4	1852	1656	1712	1795.4	1757	1691	1454	1219	1748	1352
	Prod.	2592.1	1001.3	4336.6	1721.6	3162	1201	3049	2456	1633	3159	2273	607	4747.6	2133.5
	Yield	1401	508	2267	891	1707	725	1781	1368	929	1868	1563	498	2716	1578
	Area	37	56.8	90.6	69	102	117	145	112	65	115	232	66	95	50
	Prod.	54.5	93.2	141	165	227	234	250	205	124	207.1	444	151	170	90
	Yield	1473	1641	1556	2391	2226	2000	1724	1830	1908	1801	1914	2288	1790	1800
Total	Area	1887.7	2029.4	2003.4	2000.4	1954	1773	1857	1907.4	1822	1806	1686	1285	1843	1402
	Prod.	2646.6	1094.5	4477.6	1886.6	3389	1435	3299	2661	1757	3366.1	2717	758	4917.6	2223.5
	Yield	1402	539	2235	943	1734	809	1777	1395	964	1864	1612	590	2668	1586
Niger	Area	--	--	--	--	--	--	--	10	8	--	10	7	16	7
	Prod.	--	--	--	--	--	--	--	8	6	--	3	2	5	2
	Yield	--	--	--	--	--	--	--	800	750	--	300	286	313	286
Rapeseed & Mustard	Area	247.1	160.8	269.3	291.2	338	361	337	294	216	223	208	213	282	184
	Prod.	292.1	172.3	395.5	404.9	456	504	551	334	341	349	327	361	486	306
	Yield	1182	1072	1469	1391	1349	1396	1635	1136	1579	1565	1572	1695	1723	1663

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Safflower	Area	--	--	--	--	--	--	--	18	14	--	60	17	15	15
	Prod.	--	--	--	--	--	--	--	18	12	--	35	10	9	3
	Yield	--	--	--	--	--	--	--	1000	857	--	583	588	600	200
Sesame	Area	379.6	344.1	402.4	371.9	364	355	300	238.5	225	289	247	132	236	204
	Prod.	226.6	123.2	240.8	117.1	143	71	141	84.9	80	127	117	34	121	95
	Yield	597	358	598	315	393	200	470	356	356	439	474	258	513	466
Soybean	Area	6.3	15	14	27	34	51	68	83	87	84	42	47	60	74
	Prod.	5.1	10	10	15	29	26	26	58	70	68	33	47	44	56.2
	Yield	810	667	714	556	853	510	382	699	805	810	786	1000	733	759
Total	Area	2825.4	2791.5	2979.4	3016.1	3032	2828	2920	2984.8	2793	2893	3131	2452	3079	2569
	Prod.	3635.5	1683.1	5665	2986.9	4682	2569	4725	4015.9	3097	4896.1	5035	2705	6870.5	3983.6
	Yield	1287	603	1901	990	1544	908	1618	1346	1109	1692	1608	1103	2231	1551

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.6 Oilseed Profile of Haryana

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	--	--	--	--	2.8	2.4	1.7	1	0.4	0.5	1.5	0.6	0.2	0.2
	Prod.	--	--	--	--	4.5	3.9	4.2	2	0.5	0.6	1.5	0.9	0.1	0.1
	Yield	--	--	--	--	1607	1625	2471	2000	1250	1200	1000	1500	500	500
Groundnut	Area	0.5	2.4	1.5	1.6	3	2.5	1.6	2	2	2	3	2.8	5.6	4
	Prod.	0.4	1.9	1.1	1.2	2.2	2.1	1.3	1.5	2	2	2.9	3.2	6.2	4.2
	Yield	800	792	733	750	733	840	813	750	1000	1000	967	1143	1107	1050
Rapeseed & Mustard	Area	535	607	619	702	709	597	499	515	513	504	535	559	537	496
	Prod.	796	697	965	826	792	802	598	895	849	942	747	962	880	699
	Yield	1488	1148	1559	1177	1117	1343	1198	1738	1655	1869	1396	1721	1639	1409
Sesame	Area	5.1	9.7	3.6	4	4.4	4.1	3	3.3	3	3	3.5	2.8	1.3	2
	Prod.	1.7	4.2	1	1.7	1.5	1.6	1.3	1.3	1	1.2	1.6	1	0.7	1
	Yield	333	433	278	425	341	390	433	394	333	400	457	357	539	500
Sunflower	Area	5.7	5.6	20.7	7	15	15	24	20	15	10	10	15	5	9
	Prod.	8.8	8.6	30.7	11.6	25	25	38	33	25	18	18	26	12	19
	Yield	1544	1536	1483	1657	1667	1667	1583	1650	1667	1800	1800	1733	2400	2111
Total	Area	734.2	621	529.3	541.3	533.4	519.5	553	580.2	549.1	546.3	624.7	644.8	714.6	511.2
	Prod.	825.2	834.6	642.8	932.8	877.5	963.8	771	993.1	899	806.9	711.7	997.8	840.5	723.3
	Yield	1477	1139	1548	1176	1124	1344	1214	1723	1645	1855	1394	1712	1637	1415

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.7 Oilseed Profile of Himachal Pradesh

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Groundnut	Area	0.1	0.2	0.2	--	0.1	0.1	0.1	0.1	0.2	0.7	0.1	0.022	0.05	0.1
	Prod.	0.1	0.1	0.2	--	--	0.1	0.1	0.1	0.1	0.5	0.1	0.02	0.03	0.1
	Yield	1000	500	1000	--	--	1000	1000	1000	1000	500	714	1000	600	1015
Linseed	Area	2.3	1.6	2	3	1	1.5	1.6	0.7	1.6	1.1	1.1	1.1	1.1	1.2
	Prod.	0.7	0.4	1	2	0.1	0.4	0.4	0.1	0.4	0.3	0.3	0.4	0.3	0.4
	Yield	304	250	500	667	100	267	250	143	250	273	273	364	273	319
Rapeseed & Mustard	Area	10.6	8.7	9	12	9.6	8.9	8.8	8.9	8.7	9.4	9.9	9	8.8	9.4
	Prod.	6.1	4.7	5	8	2.8	4.5	3.6	2.4	2.5	5	6.1	4.7	4.3	5.7
	Yield	576	540	556	667	292	506	409	270	287	532	616	522	489	600
Sesame	Area	4.5	4.5	4	3	3.8	3.8	3.6	3.3	2.9	3.2	3.1	2.7	1.9	2.7
	Prod.	2.1	1.9	2	1	1.5	1.7	1.3	1.2	0.3	1.1	1.1	1	0.7	0.9
	Yield	467	422	500	333	395	447	361	364	103	344	355	370	368	355
Soybean	Area	0.6	0.7	1	1	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
	Prod.	1	1.1	1	1	0.8	0.4	1.1	1.2	0.5	0.8	1	0.9	0.9	1.2
	Yield	1667	1571	1000	1000	1333	667	1833	1714	833	1333	1667	1500	1500	1883
Total	Area	18.1	15.7	16.2	15.1	14.9	14.7	13.7	14	15	14.8	13.4	12.5	19	14
	Prod.	10	8.2	9.2	5.2	7.1	6.5	5	3.8	7.7	8.6	7	6.2	12	8.2
	Yield	553	522	568	632	344	477	442	365	271	513	581	522	496	591

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.8 Oilseed Profile of Jammu and Kashmir

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Groundnut	Area	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.1
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	0.09	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	900	274
Linseed	Area	0.4	0.3	0.2	0.6	0.5	5.4	0.1	0.2	0.1	0.3	0.7	0.2	0.3	0.3
	Prod.	0.3	0.2	0.1	0.3	0.2	2.3	0.1	0.1	0.078	0.3	0.8	0.096	0.2	0.2
	Yield	750	667	500	500	400	426	1000	500	780	1000	1143	480	667	552
Niger	Area	--	--	--	--	--	--	--	--	--	--	0.008	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	0.004	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	500	--	--	--
Rapeseed & Mustard	Area	71.3	59.4	56.5	103	3.2	57	56.7	59.7	60.3	59.6	59.5	59.9	60.3	61.1
	Prod.	38.9	23.7	39.3	121	1.3	37	50.6	47.2	47.6	50.7	50.6	48.9	56.4	42.3
	Yield	546	399	696	1175	406	649	892	791	789	851	850	816	935	693
Sesame	Area	6.2	6.4	6.3	6.8	2.6	7	6.2	5.4	4.6	4.6	4.3	4.8	4.9	4.6
	Prod.	2.6	2.7	2.7	2.9	1.2	3	2.6	2.3	2	2	1.9	2.1	2.2	1.8
	Yield	419	422	429	427	462	429	419	426	435	435	442	438	449	382
Total	Area	65.6	77.9	66.1	63	110.4	6.3	69.4	63	65.3	65	64.5	64.5	64.9	66.1
	Prod.	58.9	41.8	26.6	42.1	124.2	2.7	42.3	53.3	49.6	49.7	53	53.3	51.1	44.3
	Yield	537	402	668	1125	429	610	846	760	765	822	826	787	898	670

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.9 Oilseed Profile of Jharkhand

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	--	--	--	--	--	0.3	0.1	0.1	0.1	0.054	0.1	0.2	0.1	0.1
	Prod.	--	--	--	--	--	0.2	0.1	--	0.7	0.026	0.06	0.08	0.061	0.1
	Yield	--	--	--	--	--	667	1000	--	7000	482	600	400	610	545
Groundnut	Area	--	--	--	--	--	--	21.2	22	14.2	25.5	17	23.5	22.5	24.5
	Prod.	--	--	--	--	--	--	14.8	18.4	10.7	23.3	20.4	27.5	26.9	24.8
	Yield	--	--	--	--	--	--	698	836	754	914	1200	1170	1196	1013
Linseed	Area	7.2	8	18	16	14.4	31.1	31.6	29.6	19.8	15.9	24.2	25.7	25.5	28.8
	Prod.	4	4	5	4	4.8	12.1	12.3	13.4	8.5	8.2	12.9	16.6	14.5	17.3
	Yield	556	500	278	250	333	389	389	453	429	516	533	646	569	599
Niger	Area	22.8	5.9	7	4	3.8	5.9	3.8	2.6	4.6	24.6	5.5	4.6	3.9	4
	Prod.	16.6	1.3	1	1	0.8	0.9	1.1	1	1.6	7.8	2.3	2.4	1.9	2.4
	Yield	728	220	143	250	211	153	290	385	348	317	418	522	487	603
Rapeseed & Mustard	Area	--	--	--	--	--	67.3	60.4	66.9	96.3	110.9	174.5	186	216.6	201.4
	Prod.	--	--	--	--	--	33.4	37.4	36.2	55.7	72.4	117	145.7	136.3	126
	Yield	--	--	--	--	--	496	619	541	578	653	671	783	629	625
Safflower	Area	--	--	--	--	--	0.3	0.5	2.3	0.8	0.2	0.3	0.5	0.4	0.6
	Prod.	--	--	--	--	--	0.1	0.2	1.1	0.3	0.081	0.1	0.2	0.2	0.5
	Yield	--	--	--	--	--	333	400	478	375	405	333	400	500	828
Sesame	Area	14.8	7.1	9	9	9.1	10	5.4	4	4.3	4.4	6.2	8.3	5.6	6.4
	Prod.	7.4	2.8	2	2	2.9	2.9	2.4	1.3	1.3	1.6	2.3	2.9	2.1	2.3
	Yield	500	394	222	222	319	290	444	325	302	364	371	349	375	359

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Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Soybean	Area	--	--	--	--	--	2.1	0.3	0.9	0.5	0.085	0.2	0.7	0.5	1
	Prod.	--	--	--	--	--	0.1	0.1	0.3	0.2	0.017	0.052	0.9	0.6	0.8
	Yield	--	--	--	--	--	48	333	333	400	200	260	1286	1200	808
Sunflower	Area	--	--	--	--	--	0.8	0.2	0.3	0.2	--	0.094	0.6	0.2	0.2
	Prod.	--	--	--	--	--	0.1	--	0.2	0.1	--	0.043	0.5	0.2	0.2
	Yield	--	--	--	--	--	125	--	667	500	--	457	833	1000	870
Rabi	Area	--	--	--	--	--	0.7	0.9	1.9	0.7	0.4	0.7	0.6	0.4	0.5
	Prod.	--	--	--	--	--	0.2	0.4	1.3	0.5	0.3	0.5	0.4	0.2	0.2
Summer	Area	--	--	--	--	--	286	444	684	714	750	714	667	500	500
	Yield	--	--	--	--	--	1.5	1.1	2.2	0.9	0.4	0.794	1.2	0.6	0.7
Total	Area	--	--	--	--	--	0.3	0.4	1.5	0.6	0.3	0.543	0.9	0.4	0.4
	Prod.	--	--	--	--	--	200	364	682	667	750	684	750	667	623
	Yield	--	--	--	--	--	228.8	250.7	275.7	44.8	21	34	29	27.3	267.6
Total	Area	118.5	124.4	130.6	141.5	182.1	228.8	250.7	275.7	44.8	21	34	29	27.3	267.6
	Prod.	50	68.8	73.2	79.6	113.7	155.7	197.2	183	28	8.1	8	7	8.5	174.5
	Yield	625	386	235	241	311	422	553	561	563	624	681	787	664	652

14.10 Oilseed Profile of Karnataka

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	21.8	17	17.2	20	25	20	23	20	18	19	16	11	12	12
	Prod.	16.1	15.7	15.4	22	27	16	16	18	12	16	14	7	11	7
	Yield	739	924	895	1100	1080	800	696	900	667	842	875	636	917	583
Groundnut	Area	709.7	716.9	677.8	813	868	617	737	694	609	659	509	405	473	474
	Prod.	420.1	393.7	294.6	599	512	268	578	378	344	562	331	227	399	383
	Yield	592	549	435	737	590	434	784	545	565	853	650	561	844	808
	Area	145.1	127	139.5	156	172	146	171	156	209	189	168	184	182	173
	Prod.	165.7	145.3	138.9	143	159	111	155	123	168	180	154	168	166	180
	Yield	1142	1144	996	917	924	760	906	789	804	952	917	913	912	1040
	Area	854.8	843.9	817.3	969	1040	763	908	850	818	848	677	589	655	647
	Prod.	585.8	539	433.5	742	671	379	733	501	512	742	485	395	565	563
	Yield	685	639	530	766	645	497	807	589	626	875	716	671	863	870
Linseed	Area	19.6	17.4	12.9	14	13	12	14	14	12	11	9	7	6	5
	Prod.	6.6	6.1	1	3	4	4	5	5	4	4	2	2.3	2	2
	Yield	337	351	78	214	308	333	357	357	333	364	222	329	333	400
Niger	Area	36.2	29.3	27.5	33	30	27	31	25	26	23	21	12	14	8
	Prod.	7	5.6	5.2	6	6	5	6	9	8	8	7	3	3	2
	Yield	193	191	189	182	200	185	194	360	308	348	333	250	214	250
Rapeseed & Mustard	Area	7.1	4.3	6	6	5	4	4	5	5	4	4	2	3	2
	Prod.	1.9	1.1	1.7	2	2	1	1	2	2	2	1	1	1	1
	Yield	268	256	283	333	400	250	250	400	400	500	250	500	333	500
Safflower	Area	92	84.9	98.6	94	81	81	70	73	68	55	55	48	43	33
	Prod.	72.8	55.2	41.6	44	60	61	57	58	50	46	35	30	34	17
	Yield	791	650	422	468	741	753	814	795	735	836	636	625	791	515

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Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Sesame	Area	73.1	74.4	58.5	108	103	85	87	56	76	87	62	73	41	44
	Prod.	27.1	29.3	25.7	56	87	48	48	32	31	51	31	38.3	23	22
	Yield	371	394	439	519	845	565	552	571	408	586	500	525	561	500
Soybean	Area	48.4	57.5	93.9	159	133	131	113	134	184	168	191	170	219	255
	Prod.	40.2	47.8	45.3	96	71	94	97	91	82	147	172	178	270	226
	Yield	831	831	482	604	534	718	858	679	446	875	901	1047	1233	886
Sunflower	Area	124.2	298.3	360.3	602	661	595	508	442	389	194	191	211	187	155
	Prod.	59.5	136.5	165.2	283	333	217	278	223	133	117	99	107	109	82
	Yield	479	458	459	470	504	365	547	505	342	603	518	507	583	529
Rabi	Area	460.1	578.3	775.2	669	766	636	518	559	405	215	190	299	230	200
	Prod.	202.9	237.5	199.5	316	454	300	308	273	171	137	96	158	144	130
Summer	Area	441	411	257	472	593	472	595	488	422	637	505	528	626	650
	Prod.	584.3	876.6	1135.5	1271	1427	1231	1026	1001	794	409	381	510	417	355
Total	Area	262.4	374	364.7	599	787	517	586	496	304	254	195	265	253	212
	Prod.	449	427	321	471	552	420	571	496	383	621	512	520	607	597
Total	Area	1737.3	2005.3	2267.4	2674	2857	2354	2276	2178	2001	1624	1416	1422	1410	1361
	Prod.	1019.9	1073.8	934.1	1570	1715	1125	1549	1212	1005	1270	942	919.6	1162	1052
Total	Area	587	536	412	587	600	478	681	557	502	782	665	647	824	773
	Yield														

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.11 Oilseed Profile of Kerala

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Groundnut	Area	2.4	2.1	2.7	1.8	3.3	3	2.9	1.7	1.3	1.5	1.6	0.8	0.3	0.5
	Prod.	1.8	1.1	2	1.7	2.4	3	2.2	1.3	1	1.9	2.1	1	0.4	0.7
	Yield	750	524	741	944	727	1000	759	765	769	1267	1313	1250	1333	1433
	Rabi	--	--	--	--	--	--	--	--	--	--	0.1	0.009	0.4	--
	Prod.	--	--	--	--	--	--	--	--	--	--	0.1	0.01	0.5	--
	Yield	--	--	--	--	--	--	--	--	--	--	1000	1111	1250	1636
	Total	2.4	2.1	2.7	1.8	3.3	3	2.9	1.7	1.3	1.5	1.7	0.809	0.7	0.5
	Prod.	1.8	1.1	2	1.7	2.4	3	2.2	1.3	1	1.9	2.2	1.01	0.9	0.7
	Yield	750	524	741	944	727	1000	759	765	769	1267	1294	1249	1286	1438
Rapeseed & Mustard	Rabi	--	--	--	--	--	--	--	--	--	0.01	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sesame	Kharif	0.9	0.8	1.2	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.2	0.3	0.3	0.2
	Prod.	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.09	0.098	0.09	0.1
	Yield	333	375	250	333	333	333	400	500	333	400	450	327	300	362
Soybean	Kharif	--	--	--	--	--	--	--	--	--	0.025	0.01	--	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	0.02	--	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	2000	--	--	--
Total	Area	3.3	2.9	3.9	2.4	3.9	3.6	3.4	2.3	1.9	2	1.9	1.1	1	0.6
	Prod.	2.1	1.4	2.3	1.9	2.6	3.2	2.4	1.6	1.2	2.1	2.3	1.1	1	0.7
	Yield	636	483	590	792	667	889	706	696	632	1050	1211	1000	1000	1179

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.12 Oilseed Profile of Madhya Pradesh
(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	2.5	1.6	1.5	1.6	1.3	1.5	1.7	1.1	0.7	1	1.4	1.2	2.4	21
	Prod.	0.8	0.5	0.6	0.6	0.5	0.5	0.7	0.4	0.2	0.4	0.4	0.7	1.2	1
	Yield	320	313	400	375	385	333	412	364	286	400	286	583	500	48
Groundnut	Area	217.4	208.1	217.7	209.5	208.2	204	198.7	199.7	188.1	201.6	213	205.7	206.9	231
	Prod.	243.6	131.5	252.3	242.7	234.4	193.4	186.8	227.6	217.9	301.6	344.6	311.7	324.2	370
	Yield	1121	632	1159	1159	1126	948	940	1140	1140	1158	1618	1515	1567	1602
Linseed	Area	163.9	142.5	143.5	133.2	135.8	119.8	104.4	125.5	117.9	124.7	120.3	109.7	110.4	111
	Prod.	62.7	50.3	61.7	52.4	55.9	49.2	32.8	47.9	51.4	42.2	57	57.4	55	60
	Yield	383	353	430	393	412	411	314	382	436	338	474	523	498	541
Niger	Area	110	103.3	103.2	110.9	105.7	117.1	117.4	116.3	114.9	106.5	117.8	86.9	74.5	43
	Prod.	24.8	17.7	23.9	26.3	23.7	25.9	26.4	26.6	24.5	23	20.7	29.8	27.5	16
	Yield	226	171	232	237	224	221	225	229	213	216	176	343	369	372
Rapeseed & Mustard	Area	505.9	369.5	536.7	681.8	809.4	694.2	579.2	712.5	790.5	745	785	784.6	762	713
	Prod.	459.2	239.8	580.4	673.6	847.5	693.4	536.8	736.6	848.9	855.1	869.6	919.2	844.3	717.3
	Yield	908	649	1081	988	1047	999	927	1034	1074	1148	1108	1172	1108	1006
Safflower	Area	0.3	0.3	0.6	0.6	1	0.6	0.4	0.4	0.7	0.4	--	0.1	0.2	29
	Prod.	0.1	0.1	0.2	0.1	0.3	0.2	0.1	0.1	0.2	0.1	--	--	0.1	21
	Yield	333	333	333	167	300	333	250	250	286	250	--	--	500	724
Sesame	Area	132.2	126.7	144.5	135.3	150.1	191.9	231.3	209.6	202.4	290.6	294.9	314.5	266.9	359
	Prod.	40.4	29.4	50.9	53.8	58.1	66.2	87.6	87.6	86.6	143.1	154.9	157.1	140.1	186
	Yield	306	232	352	398	387	345	379	418	428	492	525	500	525	518

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Soybean	Area	4449.7	4190.6	4212.4	4485.3	4255.3	4756.6	5024.4	5124	5349.5	5559.9	5669.1	6031.7	6308.6	5578
	Prod.	3735	2673.7	4652.6	3747.1	4500.7	4784.9	5480.5	5849.8	6406.3	6669.8	6280.6	7800.1	5242.4	6353
	Yield	839	638	1105	835	1058	1006	1091	1142	1198	1200	1108	1293	831	1139
Sunflower	Area	2	0.7	0.5	0.6	0.3	0.3	0.2	0.2	0.2	0.2	0.1	--	0.1	--
	Prod.	1	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	--	--	--	--
	Yield	500	286	400	500	333	333	500	500	500	500	--	--	--	--
Summer	Area	--	1.7	1.5	1.4	1.2	0.7	0.4	0.3	0.2	--	--	--	--	--
	Prod.	--	0.7	0.8	0.8	0.7	0.4	0.2	0.2	0.1	--	--	--	--	--
	Yield	--	412	533	571	583	571	500	667	500	--	--	--	--	--
Total	Area	2	2.4	2	2	1.5	1	0.6	0.5	0.4	0.2	0.1	--	0.1	--
	Prod.	1	0.9	1	1.1	0.8	0.5	0.3	0.3	0.2	0.1	--	--	--	--
	Yield	500	375	500	550	533	500	500	600	500	500	--	--	--	--
Total	Area	5583.9	5145	5362.1	5760.2	5688.3	6086.7	6258.1	6489.6	6765.1	7029.9	7201.6	7534.4	7732	7085
	Prod.	4567.6	3143.9	5623.6	4797.7	5721.9	5814.2	6352	6976.9	7636.2	8035.4	7727.8	9276	6634.8	7724.3
	Yield	818	611	1049	833	1010	955	1015	1075	1129	1143	1073	1231	858	1090

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.13 Oilseed Profile of Maharashtra

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	11.9	30	26	12	16	12	12	11	7	10	8	18	14	17
	Prod.	3.1	7	5	3	6	4	4	3	2	4	3	5	5	4
Groundnut	Yield	261	233	192	250	375	333	333	273	286	400	375	278	357	235
	Area	353.4	351	324	347	337	342	329	254	260	275	238	238	244	194
	Prod.	382.2	336	355	359	280	254	366	258	264	346	257	236	296	191
	Yield	1082	957	1096	1035	831	743	1113	1016	1015	1258	1080	992	1213	985
Rabi	Area	76	68	55	100	91	107	75	64	61	82	65	32	71	45.6
	Prod.	110	114	82	143	130	145	106	97	95	114	94	49	97	63.5
Total	Yield	1447	1677	1491	1430	1429	1355	1413	1516	1557	1390	1446	1531	1366	1394
	Area	429.4	419	379	447	428	449	404	318	321	357	303	270	315	239.6
	Prod.	492.2	450	437	502	410	399	472	355	359	460	351	285	393	254.5
	Yield	1146	1074	1153	1123	958	889	1168	1116	1118	1289	1158	1056	1248	1062
Linseed	Area	69	54	63	50	65	68	68	38	36	39	31	27	31	19
	Prod.	21	12	15	11	18	16	19	8	9	10	8	8	8	4
	Yield	304	222	238	220	277	235	279	211	250	256	258	296	258	211
	Area	56	54	54	54	54	100	47	38	33	35	37	40	40	20
Niger	Prod.	14.5	14	17	17	14	24	13	10	7	8	12	12	13	4
	Yield	259	259	315	315	259	240	277	263	212	229	324	300	325	200
Rapeseed & Mustard	Area	12	8	10	9	13	14	9	6	6	8	13	9	10	10
	Prod.	3	2	3	3	4	5	4	2	2	3	4	2	4	2
	Yield	250	250	300	333	308	357	444	333	333	375	308	222	400	200
	Area	287	263	245	252	263	279	231	186	188	173	123	105	107	125.3
Safflower	Prod.	139	116	87	120	159	169	154	105	109	94	67	58	61	48.9
	Yield	484	441	355	476	605	606	667	565	580	543	545	552	570	390

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Sesame	Area	117.8	115	121	109	107	59	93	56	55	56	46	40	40	30.4
	Prod.	37.4	36	38	26	29	14	30	15	15	20	15	12	11	5.6
	Yield	318	313	314	239	271	237	323	268	273	357	326	300	275	184
Soybean	Area	1104.9	1256	1589	2102	2347	2521	2664	3063	3019	2729	3010	3219	3520	3801
	Prod.	1385.5	1576	2219	1892	2527	2892	3976	2756.7	2197	4316	3969	4670.8	4754.9	2490.4
	Yield	1254	1255	1397	900	1077	1147	1493	900	728	1582	1319	1451	1351	655
Sunflower	Area	80.4	97	89	113	109	121	112	111	74	69	42	35	34	27
	Prod.	28.7	47	32	54	58	64	65	58	31	35	23	14	20	10
	Yield	357	485	360	478	532	529	580	523	419	507	548	400	588	370
Rabi	Area	185	187	183	201	231	224	176	147	141	129	54	43	37	19.6
	Prod.	97	93	65	108	137	122	130	92	80	82	33	20	24	9.8
	Yield	524	497	355	537	593	545	739	626	567	636	611	465	649	501
Summer	Area	6	5	4	10	15	16	9	6	4	10	--	--	--	--
	Prod.	5	3	3	8.1	11	12	7	5	3	8	--	--	--	--
	Yield	833	600	750	810	733	750	778	833	750	800	--	--	--	--
Total	Area	271.4	289	276	324	355	361	297	264	219	208	96	78	71	46.6
	Prod.	130.7	143	100	170.1	206	198	202	155	114	125	56	34	44	19.8
	Yield	482	495	362	525	580	549	680	587	521	601	583	436	620	425
Total	Area	2359.4	2488	2763	3359	3648	3863	3825	3980	3884	3615	3667	3806	4148	4308.8
	Prod.	2226.4	2356	2921	2744.1	3373	3721	4874	3409.7	2814	5040	4485	5086.8	5293.9	2833.2
	Yield	944	947	1057	817	925	963	1274	857	725	1394	1223	1337	1276	658

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.14 Oilseed Profile of Odisha

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Castor	Kharif	Area	6.4	6.8	6.8	10.1	6.4	6.5	6.4	--	8.5	--	12.5	12.7	11.1	
		Prod.	5	2.8	3.1	6.4	5.6	3.8	3.9	3.9	--	5.1	--	8.1	8.1	7.1
		Yield	544	438	456	941	555	594	600	609	--	600	--	648	638	639
	Rabi	Area	--	--	--	--	--	--	--	--	--	6.1	--	--	--	--
		Prod.	--	--	--	--	--	--	--	--	--	3.9	--	--	--	--
		Yield	--	--	--	--	--	--	--	--	--	639	--	--	--	--
Groundnut	Total	Area	17.9	14.2	17.7	11	15.8	17.3	18.2	17.2	--	14.6	--	12.5	12.7	--
		Prod.	9.3	6.4	8.7	10	8.8	10.5	11.5	10.9	--	9	--	8.1	8.1	--
		Yield	520	451	492	909	557	607	632	634	--	616	--	648	638	--
	Kharif	Area	31	27.2	31.1	33	38.1	36.4	33.6	34.4	34.4	35.1	29.9	27.7	25.8	22.4
		Prod.	23.7	18.7	26.9	29	31.8	32.9	33	33.7	33.3	34.3	24.8	29.6	28.7	23.1
		Yield	765	688	865	879	835	904	982	980	968	977	829	1069	1112	1030
Rabi	Area	30.9	28.9	46.1	53	52.7	42.4	50.5	49.1	41.9	37.7	36.4	38.7	34.1	26	
	Prod.	37.3	30.1	66.3	77	74.5	54.8	69.5	62.8	55.9	51.3	54	52	58.1	43.7	
	Yield	1207	1042	1438	1453	1414	1293	1376	1279	1334	1361	1484	1344	1704	1678	
Linseed	Total	Area	61.9	56.1	77.2	86	90.8	78.8	84.1	83.5	72.8	66.3	66.4	59.9	48.5	
		Prod.	61	48.8	93.2	106	106.3	87.7	102.5	96.5	89.2	85.6	78.8	81.6	66.8	
		Yield	986	870	1207	1233	1171	1113	1219	1156	1169	1176	1189	1229	1449	
	Rabi	Area	23.1	16.5	18.2	22.4	23.1	24.9	27.2	25.4	26.4	20.7	24.6	24.5	22.9	24
		Prod.	8.5	5.4	7.2	8.5	9.7	10.5	11.9	11.2	11.9	9.5	11.6	11.8	11	11.5
		Yield	368	327	396	380	420	422	438	441	451	459	472	482	480	478

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Niger	Area	26.3	19.9	110.6	107.3	103.2	15.9	14.3	12.5	89.3	85.7	--	76	64.8	68.9
	Prod.	8.8	5.8	25.6	28.6	32.2	5.8	5.4	4.8	27.5	35.7	--	27.4	23.3	24.9
	Yield	311	292	232	267	312	365	378	384	308	417	--	361	360	362
	Area	--	--	--	--	--	--	--	--	7.6	7.6	--	--	--	--
	Prod.	--	--	--	--	--	--	--	--	3.9	3.1	--	--	--	--
	Yield	--	--	--	--	--	--	--	--	513	408	--	--	--	--
Total	Area	143.5	118	130.2	123.6	119.4	115.7	109.1	104.7	96.9	93.3	--	76	64.8	--
	Prod.	35.8	21.4	31.8	34	38	38.8	37.8	37.4	31.4	38.8	--	27.4	23.3	--
	Yield	250	181	244	275	318	335	347	357	324	416	--	361	360	--
Rapeseed & Mustard	Area	14.2	12.2	15.9	16	17.4	15.2	15.9	13.7	12.8	15.9	10.3	14.6	13.4	10.1
	Prod.	2.2	1.6	3.1	3	3.3	2.6	3.2	2.5	2.7	3.3	2.2	4	3.6	2.5
	Yield	155	131	195	188	190	171	201	183	211	208	214	274	269	244
Safflower	Area	4	1.3	1.6	2	1.3	1.2	1.3	1.2	0.7	0.8	0.7	0.8	0.9	0.6
	Prod.	2.2	0.5	0.7	1	0.8	0.7	0.8	0.7	0.4	0.5	0.4	0.5	0.5	0.4
	Yield	550	385	438	500	615	583	615	583	571	625	571	625	556	609
Sesame	Area	51.7	43.5	37.7	48	54.7	50.3	48.4	37.7	45.5	51.8	26.5	21.7	23.5	25.8
	Prod.	11.4	7	7.8	11	13	10.6	10.2	7.3	10.5	11.6	4.8	5.3	5.6	6.7
	Yield	221	161	207	229	238	211	211	194	231	224	181	244	238	261
Soybean	Area	--	--	--	--	--	--	--	--	--	--	--	0.3	0.3	1.1
	Prod.	--	--	--	--	--	--	--	--	--	--	--	0.2	0.2	0.7
	Yield	--	--	--	--	--	--	--	--	--	--	--	667	667	632

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Sunflower	Kharif	Area	0.1	0.8	--	0.7	0.9	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.3	
		Prod.	0.2	--	0.5	--	0.5	0.6	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.2
		Yield	400	--	625	--	714	667	750	667	800	750	750	750	750	719
	Rabi	Area	8.9	3.9	5.2	7	8.8	13.8	18.2	14.3	17.2	20.2	23.3	25.9	24.5	21.4
		Prod.	6.9	2.6	3.9	6	7.3	13.1	18.1	13.3	15.6	21.3	27.7	31	29.4	25.7
		Yield	775	667	750	857	830	949	995	930	907	1055	1189	1197	1200	1202
	Total	Area	9.4	4	6	7	9.5	14.7	19	14.9	17.7	20.6	23.7	26.3	24.9	21.7
		Prod.	7.1	2.6	4.4	6	7.8	13.7	18.7	13.7	16	21.6	28	31.3	29.7	26
		Yield	755	650	733	857	821	932	984	920	904	1049	1181	1190	1193	1195
Total	Area	325.7	265.8	304.5	316	332	318.1	323.2	298.3	290.5	243.1	223.3	276.3	152.1	211.9	
	Prod.	137.5	93.7	156.9	179.5	187.7	175.1	196.6	180.2	179.9	170.2	168.8	162.1	125.8	146.5	
	Yield	422	353	515	568	565	551	608	604	587	619	827	700	756	692	

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.15 Oilseed Profile of Punjab

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Groundnut	Area	4	5.3	4.4	4.3	3.4	4.4	3.1	2.7	2.5	2.2	2	1.7	1.3	1.4
	Prod.	4	3.8	4	3.6	3	3.8	2.7	2.5	3.1	3.9	3	3	2.4	2.6
	Yield	1000	717	909	837	882	864	871	926	1240	1773	1500	1765	1846	1857
Linseed	Area	0.3	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.2	--	--	--	--	--
	Prod.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	--	--	--	--	--
	Yield	1000	1000	667	667	500	500	1000	1000	500	--	--	--	--	--
Rapeseed & Mustard	Area	50	66	52	60	49	41	28	27	30	31	29	32	32	31
	Prod.	60	60	62	62	54	46	33	33	39	41	37	41	41.8	38
	Yield	1200	909	1192	1033	1102	1122	1179	1222	1300	1323	1276	1281	1306	1226
Sesame	Area	20.6	17.3	10.6	10.1	11.3	9.5	8.2	8.3	7.3	5.7	5	5.1	4.1	4.7
	Prod.	7.8	4.9	3.6	4.1	3.8	3.2	2.7	2.8	2.6	2.3	2	1.7	1.4	1.4
	Yield	379	283	340	406	336	337	329	337	356	404	400	333	342	298
Sunflower	Area	7.4	14.1	20	16.7	17.8	15.3	20	21.6	21.6	14.6	14	12.6	10.7	8.6
	Prod.	10.5	22	34	30.5	28.7	25.1	38	37.8	38.6	24.3	26	23.7	18.6	15.5
	Yield	1419	1560	1700	1826	1612	1641	1900	1750	1787	1664	1857	1881	1738	1802
Total	Area	82.3	102.9	87.3	91.4	81.7	70.4	59.4	59.7	61.6	53.5	50	51.4	48.1	73.9
	Prod.	82.6	90.9	103.8	100.4	89.6	78.2	76.5	76.2	83.4	71.5	68	69.4	64.2	78.7
	Yield	1004	883	1189	1099	1097	1111	1288	1276	1354	1336	1360	1350	1335	1065

14.16 Oilseed Profile of Rajasthan

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	46	26.1	63.6	92	106.4	78.5	109.7	136.5	117.2	148.7	291.2	223	195.3	226.3
	Prod.	66.1	21.9	89.8	86.1	135.4	104.4	159.2	177.3	86.2	210.7	410.1	341.1	286.1	335.1
	Yield	1437	839	1412	936	1273	1330	1451	1299	736	1417	1408	1530	1465	1481
Groundnut	Area	242.6	241.8	212	287.8	317	302.1	276.3	321.5	326	346.9	414.7	397.8	462	500.8
	Prod.	297.6	166.1	331.9	446.8	491	395.7	477.4	536.8	354.5	681.1	800.6	616.4	900.9	1011.1
	Yield	1227	687	1566	1553	1549	1310	1728	1670	1087	1963	1931	1550	1950	2019
	Area	--	--	--	--	--	--	--	--	--	--	3.5	0.7	--	3.7
	Prod.	--	--	--	--	--	--	--	--	--	--	4.7	0.9	--	4.6
	Yield	--	--	--	--	--	--	--	--	--	--	1343	1286	--	1258
Total	Area	242.6	241.8	212	287.8	317	302.1	276.3	321.5	326	346.9	418.2	398.5	462	504.5
	Prod.	297.6	166.1	331.9	446.8	491	395.7	477.4	536.8	354.5	681.1	805.3	617.3	900.9	1015.7
	Yield	1227	687	1566	1553	1549	1310	1728	1670	1087	1963	1926	1549	1950	2013
Linseed	Area	3.9	0.9	2.3	3	1.8	1.2	0.7	2.5	3.3	1.7	1.2	1.1	2.1	2.6
	Prod.	3.1	0.6	2.3	2.3	1.5	1	0.6	3.6	6.5	2.1	1.3	1	2.9	3.3
	Yield	795	667	1000	767	833	833	857	1440	1970	1235	1083	909	1381	1285
Rapeseed & Mustard	Area	1840.8	1517.9	2142.4	3681.9	3665.3	3211.7	2496.2	2837.8	2309.9	3678.6	2502.3	2834.7	3078.9	2474.4
	Prod.	1943	1318.2	2740.2	3970.7	4416.9	3805.6	2362.2	3502.5	2948.2	4369.7	2976.3	3814.6	3797.1	2895.2
	Yield	1056	868	1279	1078	1205	1185	946	1234	1276	1188	1189	1346	1233	1170

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Sesame	Area	316.4	190.5	311.8	446.7	422.1	273.3	314.9	521.2	598.3	547	512.8	415.2	360.6	330
	Prod.	103.3	11.4	141.2	148.7	62.8	88.7	126.9	152.5	97.2	223.2	166.3	122.1	72.1	112.6
	Yield	327	60	453	333	149	325	403	293	163	408	324	294	200	341
Soybean	Area	655.9	471.7	493.9	621.9	744.3	641.1	797.6	829.5	778.4	765.5	897.1	1039.8	1175.1	923.2
	Prod.	715.9	236.4	691.4	886.5	856.3	771.3	1071.2	805.7	914.6	1118.1	1385.2	1468.6	974.7	956.7
	Yield	1092	501	1400	1426	1151	1203	1343	971	1175	1461	1544	1412	830	1036
Sunflower	Area	0.1	--	0.1	0.1	0.1	0.1	--	--	--	--	--	--	--	--
	Prod.	--	--	--	--	0.1	0.1	0.1	--	--	--	--	--	--	--
	Yield	--	--	--	--	1000	1000	--	--	--	--	--	--	--	--
Total	Area	3105.7	2448.9	3226.1	5133.4	5257	4508	3995.4	4649	4133.1	5488.4	4622.8	4912.3	5274	4461
	Prod.	3129	1754.6	3996.8	5541.1	5964	5166.8	4197.6	5178.4	4407.2	6604.9	5744.5	6364.7	6033.8	5318.5
	Yield	1008	717	1239	1079	1135	1146	1051	1114	1066	1203	1243	1296	1144	1192

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
Sunflower	Kharif	Area	3.8	4.2	5.9	10.2	9.2	10	18.7	12.1	6.5	3.3	4.4	2.2	1.3	
		Prod.	4.8	4.8	7.6	10.9	12	27.1	39.7	12.3	9	4	11.9	6	3.9	2.3
		Yield	1263	1143	1288	1069	1304	2710	2123	1017	1385	1212	1831	1364	1773	1777
	Rabi	Area	3.2	3.5	4.5	8	7.9	16.2	25.4	13.7	7.8	5.4	7.1	6.4	5.8	7.3
		Prod.	4.2	4.1	5.8	8.4	9.2	20.8	30.4	22	10	6	12.8	8.7	8.6	11
		Yield	1313	1171	1289	1050	1165	1284	1197	1606	1282	1111	1803	1359	1483	1509
Total	Area	7	7.7	10.4	18.2	17.1	26.2	44.1	25.8	14.3	8.7	13.6	10.8	8	8.6	
	Prod.	9	8.9	13.4	19.3	21.2	47.9	70.1	34.3	19	10	24.7	14.7	12.5	13.3	
	Yield	1286	1156	1289	1060	1240	1828	1590	1330	1329	1149	1816	1361	1563	1549	
Total	Area	781	592.5	695	715.7	709.9	592.4	659.3	585.4	495	449.4	449.3	388.5	408.2	419.4	
	Prod.	1313	760	963.6	1061.1	1152.9	1083.5	1146.7	1043	939.6	933.1	1113.8	817	964.2	961.1	
	Yield	1681	1283	1387	1483	1624	1829	1739	1782	1898	2076	2479	2103	2362	2292	

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>
Note: 2014-15 – Fourth advance estimates,

14.18 Oilseed Profile of Uttar Pradesh

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Groundnut	Area	107.5	81.7	93.3	85.1	106.3	100	99	95	91	85	92	94	96	98
	Prod.	90.2	50.5	59.4	69.4	90.5	73	59.2	67	61	84	92	94	86	84
	Yield	839	618	637	816	851	730	598	705	705	988	1000	1000	896	857
Linseed	Area	92.7	81	78.7	78.4	53.4	51.5	108	78.3	34	65	31	30	26	25
	Prod.	38.4	36.9	39.8	32.9	22.1	19.2	27.1	35.2	15	29.4	14	13	10	14
	Yield	414	456	506	420	414	373	251	450	441	452	452	433	385	560
Rapeseed & Mustard	Area	846.9	847.8	780.9	818.7	790.2	826.9	861.8	883.5	613	604	639	662	662	626
	Prod.	845.4	759.1	787.1	801.4	907.8	873.8	997.3	991.9	682	717	726	836	736.8	582.4
	Yield	998	895	1008	979	1149	1057	1157	1123	1113	1187	1136	1263	1113	930
Sesame	Area	165.9	156.1	123	108.5	107.1	233.8	253.5	269.4	332	336	345	344	293	323
	Prod.	41.5	25.1	23.2	29	27	39.3	39	44.4	34	66	75	64	43	64
	Yield	250	161	189	267	252	168	154	165	102	196	217	186	147	198
Soybean	Area	10.9	4.7	5.6	6.8	3.9	8	4.8	11	7	11	18	14	26	52
	Prod.	7.9	0.8	6	3	3	7	3.2	9	8	14	22	19	15	38
	Yield	725	170	1071	441	769	875	667	818	1143	1273	1222	1357	577	731
Sunflower	Area	5.5	5.4	7.2	8.1	12.6	14	13	9	7	4	4	3	3	3
	Prod.	10.6	9	12.3	16.6	16.1	21	21	17	16	9	6	4.5	5	5
	Yield	1927	1667	1708	2049	1278	1500	1615	1889	2286	2250	1500	1500	1667	1667
Total	Area	1229.4	1176.7	1088.7	1105.6	1073.5	1234.2	1340.1	1346.2	1084	1105	1129	1147	1106	1127
	Prod.	1034	881.4	927.8	952.3	1066.5	1033.3	1146.8	1164.5	816	919.4	935	1030.5	895.8	787.4
	Yield	841	749	852	861	994	837	856	865	753	832	828	898	810	699

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.19 Oilseed Profile of Uttarakhand

(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Groundnut	Area	0.8	1	3	3	2	1	1	1	1	1.1	1	1	1	--
	Prod.	1	1	2	3	2	2	1	2	2	1.2	1	1.2	1.2	1
	Yield	1250	1000	667	1000	1000	2000	1000	2000	2000	1091	1000	1200	1200	1000
Linseed	Area	--	--	--	--	--	--	--	--	--	--	--	0.5	--	--
	Prod.	--	--	--	--	--	--	--	--	--	--	--	0.2	--	--
	Yield	--	--	--	--	--	--	--	--	--	--	--	400	--	--
Rapeseed & Mustard	Area	12.7	13	13	17	18	16	14	14	15	14.2	15	18.1	13.9	16
	Prod.	7.6	8	11	11	12	9	9	10	12	11.4	13	16.9	10.3	11
	Yield	598	615	846	647	667	563	643	714	800	803	867	934	741	688
Sesame	Area	2.8	2	2	3	2	2	2	2	2	2.1	2	2.1	2	2
	Prod.	0.4	1	--	1	1	--	--	--	1	0.5	0.5	0.6	0.5	0.5
	Yield	143	500	--	333	500	--	--	--	500	238	250	286	250	270
Soybean	Area	8.5	16	19	18	13	9	13	9	11	9.7	12	10.5	14.9	13
	Prod.	8.7	13	21	23	15	10	19	14	18	14.4	18	20.9	22.1	16
	Yield	1024	813	1105	1278	1154	1111	1462	1556	1636	1485	1500	1991	1483	1231
Total	Area	24.8	32	37	41	35	28	30	26	29	27.1	30	32.2	31.8	32
	Prod.	17.7	23	34	38	30	21	29	26	33	27.5	32.5	39.8	34.1	28.5
	Yield	714	719	919	927	857	750	967	1000	1138	1015	1083	1236	1072	892

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates,

14.20 Oilseed Profile of West Bengal
(Area in '000 ha.; Production in '000 tonnes; Yield in kg/ha)

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Castor	Area	--	--	--	--	--	--	--	--	0.1	0.085	--	0.08	0.08	0.1
	Prod.	--	--	--	--	--	--	--	--	0.035	0.051	--	0.06	0.06	0.1
	Yield	--	--	--	--	--	--	--	--	350	600	--	750	750	750
Groundnut	Area	2.2	1.4	1.8	1.6	1.5	2.4	3.3	2.4	2.1	2.2	1.5	2.5	3.8	2.5
	Prod.	2.2	1.3	1.8	1.5	1.4	2.4	3	2.3	1.9	1.9	1.3	2.5	3.5	2.4
	Yield	1000	929	1000	938	933	1000	909	958	905	864	867	1000	921	960
Rabi	Area	34.7	29.6	44.1	45	47.3	55	65.9	65.8	63.8	59.9	53	65	75	82
	Prod.	53.5	46	74	74	81.7	95.9	129.7	116	111.1	101.3	104.3	168	197	198
	Yield	1542	1554	1678	1644	1727	1744	1968	1763	1741	1691	1968	2585	2627	2415
Total	Area	36.9	31	45.9	46.6	48.8	57.4	69.2	68.2	65.9	62.1	54.5	67.5	78.8	84.5
	Prod.	55.7	47.3	75.8	75.5	83.1	98.3	132.7	118.3	113	103.2	105.6	170.5	200.5	200.4
	Yield	1510	1526	1651	1620	1703	1713	1918	1735	1715	1662	1938	2526	2544	2372
Linseed	Area	11.3	8.9	6	5	6.7	5	5.9	4.6	4.7	4.1	4.1	3.8	10	5
	Prod.	4.7	3.7	1.9	2	1.9	1.2	1.6	1.1	1.4	1.4	1.5	1.3	2	2
	Yield	416	416	317	400	284	240	271	239	298	342	366	342	200	400
Niger	Area	6.8	6.8	8	8	5	4.9	4.9	5	3.7	3.7	3.6	4	4	4
	Prod.	3.6	3.6	5	5	3.3	3.2	3.2	3.3	2.4	2.5	2.4	2.8	2.8	2.8
	Yield	529	529	625	625	660	653	653	660	649	676	667	700	700	700
Rapeseed & Mustard	Area	439.6	408.3	452	457	421.5	421.5	407.5	412.5	410.3	410.8	419.5	446.9	448.6	452
	Prod.	336.9	328.5	419.4	427	383	338.6	361.7	315.3	443	419.6	380.9	474.8	478.1	490
	Yield	766	805	928	934	909	803	888	764	1080	1021	908	1062	1066	1084

Crop	Season	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Safflower	Area	--	--	--	--	--	--	--	--	0.6	0.5	0.4	0.5	1	1
	Prod.	--	--	--	--	--	--	--	--	0.5	0.4	0.4	0.5	1	1
	Yield	--	--	--	--	--	--	--	--	833	800	1000	1000	1000	1000
Sesame	Area	107	110.9	163.3	148.4	146	200.4	203.1	202.8	185.9	183.2	182.1	196.6	213.2	217.2
	Prod.	90.8	89.5	143	125.1	123.1	186.1	185.9	133.3	153.2	168.7	167.2	185.2	205	211.7
	Yield	849	807	876	843	843	929	915	657	824	921	918	942	962	975
Soybean	Area	0.5	0.5	--	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.6
	Prod.	0.3	0.3	--	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.5	0.4	0.4
	Yield	600	600	--	600	500	600	600	600	500	600	1200	833	667	707
Sunflower	Area	2.4	2.4	8.5	12	12.5	13.7	16	10.1	10.9	6.6	11.5	12	14	15
	Prod.	3.3	3.2	5.6	18	15.7	17.7	19.7	11	13.2	7.4	13.8	15	20	22
	Yield	1375	1333	659	1500	1256	1292	1231	1089	1211	1121	1200	1250	1429	1467
Total	Area	682.7	671.6	732	770.3	604.5	568.8	683.7	677.5	641.1	703.4	707.1	703.7	676.2	779.3
	Prod.	727	703.6	850.7	909.9	495.3	476.1	650.7	652.9	610.4	645.4	705.1	582.6	672.4	930.3
	Yield	819	837	952	964	952	918	997	828	1065	1048	994	1162	1181	1194

Source: Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eandst.dacnet.nic.in>

Note: 2014-15 – Fourth advance estimates.

14.21 Four Largest States in Area and Production of Oilseeds during 2013-2014

Crop	State	Area ('000 ha)	% share of Area	State	Prod. ('000 t)	% share of Prod.
Castor	Gujarat	627	58.98	Gujarat	1288	74.58
	Rajasthan	195	18.34	Rajasthan	286	16.56
	Andhra Pradesh	192	18.06	Andhra Pradesh	124	7.18
	Maharashtra	14	1.32	Karnataka	11	0.64
	All India	1063		All India	1727	
Groundnut	Gujarat	1843	33.48	Gujarat	4918	50.63
	Andhra Pradesh	1386	25.18	Andhra Pradesh	1236	12.72
	Karnataka	655	11.9	Tamil Nadu	916	9.43
	Rajasthan	462	8.39	Rajasthan	901	9.28
	All India	5505		All India	9714	
Linseed	Madhya Pradesh	110	37.54	Madhya Pradesh	55	38.73
	Maharashtra	31	10.58	Bihar	16	11.27
	Chhattisgarh	26	8.87	Jharkhand	15	10.56
	Uttar Pradesh	26	8.87	Chhattisgarh	11	7.75
	All India	293		All India	142	
Niger	Madhya Pradesh	75	25.08	Madhya Pradesh	28	28.57
	Chhattisgarh	65	21.74	Odisha	23	23.47
	Odisha	65	21.74	Maharashtra	13	13.27
	Maharashtra	40	13.38	Chhattisgarh	12	12.24
	All India	299		All India	98	
Rapeseed & Mustard	Rajasthan	3079	46.33	Rajasthan	3797	48.2
	Madhya Pradesh	762	11.47	Haryana	880	11.17
	Uttar Pradesh	662	9.96	Madhya Pradesh	844	10.71
	Haryana	537	8.08	Uttar Pradesh	737	9.36
	All India	6646		All India	7877	
Safflower	Maharashtra	107	60.11	Maharashtra	61	53.98
	Karnataka	43	24.16	Karnataka	34	30.09
	Gujarat	15	8.43	Gujarat	9	7.96
	Andhra Pradesh	8	4.49	Andhra Pradesh	6	5.31
	All India	178		All India	113	
Sesame	Rajasthan	361	21.5	West Bengal	205	28.67
	Uttar Pradesh	293	17.45	Madhya Pradesh	140	19.58
	Madhya Pradesh	267	15.9	Gujarat	121	16.92
	Gujarat	236	14.06	Rajasthan	72	10.07
	All India	1679		All India	715	

Crop	State	Area ('000 ha)	% share of Area	State	Prod. ('000 t)	% share of Prod.
Soybean	Madhya Pradesh	6309	53.85	Madhya Pradesh	5242	44.2
	Maharashtra	3520	30.04	Maharashtra	4755	40.09
	Rajasthan	1175	10.03	Rajasthan	975	8.22
	Andhra Pradesh	245	2.09	Andhra Pradesh	395	3.33
	All India	11716		All India	11861	
Sunflower	Karnataka	417	62.05	Karnataka	253	50.2
	Andhra Pradesh	100	14.88	Andhra Pradesh	87	17.26
	Maharashtra	71	10.57	Maharashtra	44	8.73
	Odisha	25	3.72	Odisha	30	5.95
	All India	672		All India	504	

Source: Calculations based on data from Directorate of Economics and Statistics, Dept. of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, GOI- <http://eands.dacnet.nic.in>

15. OILSEEDS UNDER IRRIGATION

15.1 Gross Area under Irrigation by Crops in India (1950-1951 to 2012-2013)

('000 hectare)

Year	Total Food Crops	Groundnut	Sesame	Rapeseed & Mustard	Linseed	Other Oil seeds	Total Oil seeds	Cotton
1950-51	20389	N.A.S.	N.A.S.	N.A.S.	N.A.S.	N.A.S.	1709	465
1951-52	20975	N.A.S.	N.A.S.	N.A.S.	N.A.S.	N.A.S.	1629	576
1952-53	21267	59	33	-	-	2	94	531
1953-54	22165	66	39	-	-	1	106	593
1954-55	22466	97	37	1	-	4	139	765
1955-56	23065	89	49	129	11	10	288	834
1956-57	23043	108	52	169	15	9	353	899
1957-58	23775	183	51	164	12	34	444	1018
1958-59	24058	157	57	162	13	33	422	998
1959-60	24674	159	50	143	13	40	405	938
1960-61	25092	195	39	138	14	35	421	967
1961-62	25463	231	40	180	15	30	496	1039
1962-63	26387	192	46	190	16	32	476	1089
1963-64	26397	209	30	223	17	30	509	1261
1964-65	27371	217	33	189	11	32	482	1292
1965-66	27553	259	39	193	9	31	531	1265
1966-67	29062	355	54	261	18	38	726	1242
1967-68	29493	413	43	249	17	31	753	1287
1968-69	31881	379	37	195	15	33	659	1247
1969-70	32928	404	43	299	15	78	839	1282
1970-71	33880	570	48	356	17	97	1088	1358
1971-72	33675	579	41	480	18	106	1224	1699
1972-73	34465	494	39	432	17	83	1065	1720
1973-74	35318	660	48	542	18	91	1359	1730
1974-75	36689	602	49	705	21	104	1481	1775
1975-76	38538	511	38	514	19	121	1203	1762
1976-77	38847	425	57	478	18	126	1104	1762
1977-78	40562	578	58	757	20	174	1587	2096
1978-79	42489	715	70	701	21	197	1704	2222
1979-80	43053	867	83	721	14	241	1926	2218
1980-81	42932	903	83	990	17	276	2269	2115
1981-82	43934	1009	132	1153	22	314	2630	2190
1982-83	44453	1046	130	1086	18	355	2635	2269
1983-84	46249	1166	149	1294	18	394	3021	2243
1984-85	46262	1199	153	1881	24	526	3783	2067
1985-86	46128	1061	135	1675	21	476	3368	2278
1986-87	47723	1054	108	1568	20	601	3351	2154
1987-88	46826	1347	123	2083	20	741	4314	2079

Year	Total Food Crops	Groundnut	Sesame	Rapeseed & Mustard	Linseed	Other Oil seeds	Total Oil seeds	Cotton
1988-89	50808	1565	117	2532	30	753	4997	2442
1989-90	51313	1458	119	2693	26	871	5167	2644
1990-91	52134	1564	112	3076	26	983	5761	2487
1991-92	53432	1661	153	3762	30	1229	6835	2591
1992-93	54744	1653	158	3389	27	1215	6442	2674
1993-94	56135	1652	129	3406	23	1308	6518	2557
1994-95	58035	1582	133	3599	24	1474	6812	2727
1995-96	58062	1391	135	4121	26	1583	7256	3196
1996-97	61409	1353	177	4156	34	1617	7335	3312
1997-98	62271	1387	165	3636	32	1314	6804	3299
1998-99	65341	1491	142	3396	28	1589	6645	3191
1999-00	66247	1304	181	3552	29	1490	6556	2878
2000-01	64183	1139	167	2759	21	1466	5551	2766
2001-02	66109	1098	179	3313	16	1475	6081	3090
2002-03	61383	956	160	2841	12	1465	5433	2553
2003-04	64968	1041	184	3702	19	1600	6546	2599
2004-05	66247	1139	189	4892	13	1817	8050	3151
2005-06	68613	1252	185	5244	19	1967	8666	3246
2006-07	71218	1211	226	4883	22	1924	8266	3410
2007-08	72820	1412	224	4203	21	1928	7787	3534
2008-09(P)	73475	1324	235	4448	10	2018	8035	3362
2009-10(P)	70436	1302	206	3846	13	1860	7227	3590
2010-11(P)	74092	1259	197	3882	12	1869	7219	3698
2011-12(P)	75679	1266	188	4025	14	2261	7753	4369
2012-13(P)	75594	1373	194	4555	14	2116	8251	4015

Abbr.: N.A.S.: Not Available Separately.

Source: Ministry of Agriculture & Ministry of Statistics and Programme Implementation, Govt. of India.

15.2 Percentage Distribution of Gross Cropped Area across Different Oilseed Crops

Crops	Percentage Share of Area to Gross Cropped Area												
	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Groundnut	3.63	3.42	3.4	3.24	3.52	3.55	2.94	3.26	3.21	2.92	2.93	2.66	2.7
Castor Seed	0.6	43	0.39	0.41	0.41	0.46	0.33	0.40	0.44	0.39	0.45	0.75	0.63
Sesame	0.96	1.01	0.88	1.02	1.13	1.05	1.07	1.13	1.10	1.20	1.09	0.99	0.90
Rapeseed & Mustard	2.45	2.73	2.44	2.85	3.70	3.80	3.52	2.83	3.20	2.83	2.82	2.83	3.10
Linseed	0.31	0.29	0.25	0.25	0.23	0.22	0.22	0.19	0.20	0.17	0.15	0.13	0.10
Coconut	1	1.02	1.08	1.00	1.02	1.00	0.99	0.97	0.97	1.00	0.96	1.06	1.10
Niger Seed	0.27	0.25	0.23	0.23	0.22	0.21	0.21	0.21	0.20	0.20	0.19	0.14	0.16
Safflower	0.22	0.22	0.21	0.19	0.19	0.19	0.19	0.16	0.15	0.15	0.12	0.13	0.09
Soybean	3.45	3.4	3.44	3.43	4.02	4.10	4.11	4.55	4.87	5.15	4.86	5.17	5.58
Sunflower	0.58	0.64	0.93	1.04	1.13	1.19	1.11	0.98	0.93	0.78	0.47	0.37	0.43
Others	0.1	0.13	0.28	0.12	0.21	0.16	0.17	0.01	0.21	0.06	0.64	0.20	0.21
Oilseeds	13.56	13.54	13.54	13.79	15.85	15.94	14.87	14.70	15.49	14.86	14.68	14.43	15.00

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States/UTs/ Year	Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops	
Assam (b)											
1995-96	-	-	-	-	-	-	-	-	33	572	
1996-97	-	-	-	-	-	-	-	-	33	572	
1997-98	-	-	-	-	-	-	-	-	33	572	
1998-99	-	-	-	-	-	-	-	-	33	572	
1999-00	-	2	-	-	-	-	2	-	8	225	
Assam (b)											
2000-01	-	2	-	-	-	-	2	-	8	226	
2001-02	-	1	-	-	-	-	1	-	8	216	
2002-03	-	5	-	-	-	39	44	-	67	209	
2003-04	-	5	-	-	-	39	44	-	67	209	
2004-05	-	5	-	-	-	38	43	-	65	199	
2005-06	-	4	-	-	-	34	39	-	62	197	
2006-07	-	5	-	-	-	37	42	-	64	190	
2007-08	-	-	-	-	-	0	0	-	16	142	
2008-09	-	-	-	-	-	0	0	-	24	291	
2009-10	-	-	-	-	-	1	1	-	25	225	
2010-11	-	-	-	-	-	1	1	-	24	170	
2011-12	-	-	-	-	-	1	1	-	36	163	
2012-13 **	-	-	-	-	-	1	1	-	36	160	
Bihar (Including Jharkhand)											
1995-96	-	-	36	1	-	10	47	-	65	4581	
1996-97	-	-	38	1	-	8	47	-	81	4664	
1997-98	(a)	35	1	-	-	14	50	-	72	4579	
1998-99	(a)	37	2	-	-	20	60	(a)	89	4752	
1999-00	(a)	34	2	-	15	4	55	-	75	4808	
2000-01	0	33	1	-	10	1	46	-	70	4561	
2001-02	0	31	1	-	8	0	40	-	62	4539	
2002-03	-	-	-	-	-	-	42	-	66	4572	
2003-04	-	-	-	-	-	-	44	-	68	4567	
2004-05	-	-	-	-	-	-	52	-	72	4197	
2005-06	-	-	-	-	-	-	56	-	75	4325	
2006-07	-	-	-	-	-	-	57	-	76	4427	
2007-08	0	36	1	-	18	0	55	-	77	4725	
2008-09	0	35	1	-	14	4	55	-	74	4692	
2009-10	0	36	1	-	19	4	60	-	79	4625	
2010-11	0	42	2	-	15	1	61	-	112	4448	
2011-12	0	58	3	-	14	0	75	-	91	5158	
2012-13	0	54	4	-	15	3	76	-	145	5327	

States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
Chhatisgarh											
2000-01		0	1	0	0	1	0	6	0	7	1043
2001-02		0	2	0	0	3	0	9	0	10	1227
2002-03		-	3	-	-	2	-	10	-	11	1144
2003-04		-	4	-	-	6	-	18	-	18	1179
2004-05		-	3	-	-	5	-	15	-	16	1312
2005-06		-	4	-	-	8	-	17	-	18	1375
2006-07		-	6	-	1	6	1	19	-	19	1486
2007-08		0	4	0	1	6	1	16	0	17	1522
2008-09		0	4	0	1	4	1	15	-	15	1537
2009-10		0	4	0	2	4	0	15	-	15	1487
2010-11		0	3	0	2	3	0	13	-	13	1605
2011-12		0	3	0	1	3	0	12	0	13	1648
2012-13		0	4	0	0	3	0	11	0	13	1725
Goa											
1995-96	1	-	-	-	-	-	3	4	-	4	36
1996-97	1	-	-	-	-	-	3	4	-	4	36
1997-98	1	-	-	-	-	-	3	4	-	4	36
1998-99	(a)	-	-	-	-	-	4	5	-	5	34
1999-00	(a)	-	-	-	-	-	4	5	-	5	34
2000-01	0	-	-	-	-	-	5	5	-	5	36
2001-02	0	-	-	-	-	-	5	5	-	5	38
2002-03	2	-	-	-	-	-	4	6	-	6	39
2003-04	3	-	-	-	-	-	1	4	-	4	40
2004-05	3	-	-	-	-	-	1	4	-	4	40
2005-06	3	-	-	-	-	-	1	4	-	4	38
2006-07	2	-	-	-	-	-	1	3	-	3	38
2007-08	-	-	-	-	-	-	1	4	-	4	39
2008-09	-	-	-	-	-	-	1	2	-	2	36
2009-10	-	-	-	-	-	-	1	4	-	4	38
2010-11	1	-	-	-	-	-	1	2	-	9	36
2011-12	3	-	-	-	-	-	1	4	-	4	41
2012-13	1	-	-	-	-	-	9	10	-	10	36
Gujarat											
1995-96	-	175	(a)	340	-	-	271	786	530	1620	3499
1996-97	-	162	1	321	(a)	-	277	761	573	1667	3643
1997-98	166	2	300	282	(a)	-	5	755	630	1706	3779
1998-99 ®	166	2	300	282	(a)	-	5	755	630	1706	3779
1999-00	143	2	266	-	(a)	-	315	727	631	1713	3626

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States/UTs/ Year	Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops	
2000-01	113	3	225	-	0	-	319	660	662	1651	3342
2001-02	130	22	225	-	-	0	291	668	715	1722	3572
2002-03	145	8	204	-	-	1	287	645	738	1756	3637
2003-04	153	3	254	-	-	1	249	660	757	1822	4111
2004-05	150	3	285	-	-	1	243	682	851	1882	435
2005-06	147	3	331	-	-	1	255	736	851	1935	4292
2006-07	133	3	354	-	-	1	217	708	1067	2123	4817
2007-08	205	8	321	-	-	-	318	852	1373	2566	5535
2008-09	210	6	280	-	-	-	394	891	1334	2566	5278
2009-10	201	6	206	-	-	-	379	791	1396	2529	4933
2010-11*	224	5	212	-	-	-	359	800	1546	2646	5618
2011-12 **	209	4	198	-	-	-	693	1104	1740	3140	6305
2012-13 **	229	5	203	-	-	-	560	997	1466	2805	5913
Haryana											
1995-96	1	1	384	-	-	30		416	649	1383	4673
1996-97	1	1	417	-	-	54	1	474	648	1452	4785
1997-98	1	1	374	(a)	-	55	(a)	431	625	1389	4829
1998-99	1	1	341	(a)	-	25	(a)	368	578	1311	5042
1999-00	1	2	359	(a)	-	7	(a)	369	541	1278	5124
2000-01	0	1	347	0	-	1	1	350	554	1315	5223
2001-02	0	2	439	0	-	2	0	444	627	1488	5311
2002-03	2	6	484	-	-	2	1	495	511	1441	5199
2003-04	1	2	487	-	-	5	2	498	523	1486	5343
2004-05	2	2	523	-	-	5	2	535	617	1598	5434
2005-06	4	2	525	-	-	13	3	546	581	1574	5446
2006-07	2	2	467	-	-	6	4	478	526	1468	5461
2007-08	1	2	385	-	-	9	2	398	481	1377	5553
2008-09	1	2	399	-	-	7	1	409	454	1333	5528
2009-10	2	2	404	-	-	6	0	414	504	1350	5545
2010-11	2	1	402	-	-	4	1	411	493	1318	5543
2011-12	2	1	429	-	-	3	1	436	601	1437	5680
2012-13	3	1	451	-	-	4	1	459	591	1520	5672
Himachal Pradesh											
1995-96	-	-	1	3	-	-	-	4	-	10	176
1996-97(q)	-	-	1	3	-	-	-	4	-	10	176
1997-98	(a)	(a)	1	3	-	-	(a)	4	(a)	10	180
1998-99	(a)	(a)	1	2	(a)	-	(a)	4	(a)	10	183
1999-00	(a)	(a)	1	2	(a)	-	(a)	4	(a)	10	179
2000-01	0	0	1	2	0	-	0	3	0	10	181

States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2001-02	0	0	1	2	-	-	0	4	0	10	181
2002-03	-	-	1	1	-	-	-	3	-	9	187
2003-04	-	-	1	1	-	-	1	3	1	9	181
2004-05	-	-	1	1	-	-	1	3	-	9	183
2005-06	-	-	1	1	-	-	1	3	-	9	181
2006-07	-	-	1	1	-	-	1	4	-	10	182
2007-08	0	0	1	1	0	-	0	3	0	9	193
2008-09	0	0	1	1	0	-	0	3	0	9	190
2009-10	0	0	1	1	0	-	0	3	0	9	188
2010-11*	0	0	1	1	0	-	0	3	0	9	193
2011-12 **	0	0	2	1	0	-	0	3	0	9	193
2012-13 **	0	0	1	1	0	-	0	3	0	9	195
Jammu & Kashmir											
1995-96	-	-	47	-	-	-	1	48	-	78	440
1996-97	-	-	49	-	-	-	1	50	-	80	447
1997-98	-	-	50	(a)	-	-	(a)	50	(a)	83	446
1998-99	-	-	51	(a)	-	-	(a)	51	(a)	83	447
1999-00	-	-	53	(a)	-	-	(a)	53	(a)	84	438
2000-01	-	-	55	0	-	-	0	55	0	86	449
2001-02	-	-	57	0	-	-	0	57	0	87	449
2002-03	-	-	46	-	-	-	-	47	0	79	434
2003-04	-	-	43	-	-	-	-	43	0	80	446
2004-05	-	-	44	-	-	-	-	44	0	80	453
2005-06	-	-	44	-	-	-	-	44	0	79	448
2006-07	-	-	44	-	-	-	-	44	0	82	459
2007-08	-	0	44	0	-	-	0	44	0	84	463
2008-09	-	0	46	0	-	-	-	46	0	82	471
2009-10	-	0	46	0	-	-	0	46	0	81	480
2010-11	-	0	45	0	-	-	0	45	0	81	479
2011-12	-	0	45	0	-	-	0	45	0	82	480
2012-13	-	0	45	0	-	-	-	45	-	81	487
Jharkhand (o)											
2000-01	-	-	1	-	-	-	-	1	-	2	219
2001-02	-	-	1	-	-	-	-	1	-	2	222
2002-03	-	-	1	-	-	-	-	2	-	3	217
2003-04	-	-	1	-	-	-	-	2	-	3	230
2004-05	-	-	1	-	-	-	-	2	-	2	212
2005-06	-	-	1	-	-	-	-	2	-	2	211
2006-07	-	-	13	-	-	-	-	13	-	14	262

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States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2007-08	0	0	1	0	0	0	0	2	-	2	157
2008-09	-	0	1	-	-	0	0	2	-	2	164
2009-10	0	1	4	0	-	-	-	5	-	5	155
2010-11	-	0	2	0	-	-	0	3	-	3	150
2011-12	-	-	4	1	-	-	0	5	-	5	162
2012-13	-	-	4	-	-	-	-	4	-	4	235
Karnataka											
1995-96	244	2	1		17	201	100	565	160	815	2845
1996-97	238	1	1		25	182	112	559	128	779	2881
1997-98	238	1	(a)	(a)	25	179	124	567	95	759	2912
1998-99	262	1	(a)	(a)	22	154	129	569	131	794	3118
1999-00	232	1	(a)	(a)	20	115	142	511	74	672	3162
2000-01	228	1	0	0	24	91	156	500	73	668	3271
2001-02	173	1	0	0	11	110	174	469	88	652	3089
2002-03	164	1	1	-	14	162	182	524	47	666	2841
2003-04	165	1	-	-	9	188	195	558	38	690	2702
2004-05	188	3	1	-	42	265	202	701	80	872	3328
2005-06	207	1	1	-	15	242	217	683	60	824	3632
2006-07	170	1	1	-	18	234	220	645	53	782	3603
2007-08	207	1	0	0	13	216	222	659	56	809	3789
2008-09	186	1	0	0	23	226	233	669	82	840	3942
2009-10	237	1	0	0	26	176	244	684	80	862	4096
2010-11	212	1	0	0	17	106	250	587	131	815	4279
2011-12	185	1	0	0	16	100	255	557	148	803	4137
2012-13	206	0	0	1	12	104	240	563	188	847	4007
Kerala											
1995-96	-	-	-	-	-	-	164	164	-	178	466
1996-97 (q)	-	-	-	-	-	-	164	164	-	178	466
1997-98	-	-	-	-	-	-	144	144	-	159	417
1998-99	-	-	-	-	-	-	153	153	-	168	421
1999-00	-	-	-	-	-	-	170	170	-	191	471
2000-01	-	-	-	-	-	-	166	166	-	181	458
2001-02	-	-	-	-	-	-	158	158	-	174	432
2002-03	-	-	-	-	-	-	154	154	-	169	429
2003-04	-	-	-	-	-	-	156	156	-	174	426
2004-05	-	-	-	-	-	-	158	158	-	177	455
2005-06	-	-	-	-	-	-	160	160	-	193	460
2006-07	-	-	-	-	-	-	178	178	-	178	490
2007-08	-	-	-	-	-	-	171	171	-	171	455

States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2008-09	-	-	-	-	-	-	157	157	-	157	458
2009-10	-	-	-	-	-	-	152	152	-	164	455
2010-11	-	-	-	-	-	-	212	212	1	227	467
2011-12	-	-	-	-	-	-	182	182	-	197	546
2012-13	-	-	-	-	-	-	164	164	-	164	458
Madhya Pradesh (Incl. Chhatisgarh)											
1995-96	17	-	315	12	57	3	2	406	169	626	6178
1996-97	18	-	354	10	79	4	2	467	190	713	6566
1997-98	17	(a)	246	8	75	6	1	353	203	611	6527
1998-99	20	(a)	227	11	73	6	1	338	203	596	6814
1999-00	20	(a)	239	12	51	6	1	329	194	580	7091
Madhya Pradesh (Excluding Chhatisgarh)											
2000-01	16	0	146	6	37	2	1	207	144	397	4285
2001-02	14	0	193	5	33	1	1	248	156	457	4899
2002-03	17	-	126	3	22	2	1	171	172	385	4631
2003-04	14	-	217	5	16	1	1	255	202	511	5776
2004-05	17	-	365	6	21	1	4	414	229	695	6193
2005-06	18	-	416	4	23	1	2	464	217	733	5878
2006-07	15	-	375	6	18	1	2	416	255	726	6543
2007-08	12	0	306	4	11	0	2	335	267	651	6567
2008-09	17	0	390	3	15	0	6	432	252	740	6714
2009-10	16	0	380	4	14	0	3	417	275	761	7162
2010-11	18	0	322	3	14	0	5	362	290	721	7421
2011-12	18	0	304	3	14	0	5	345	307	731	8228
2012-13	18	0	364	5	21	0	6	414	318	825	8966
Maharashtra											
1995-96 (q)	186	-	-	2	13	78	12	291	89	427	3149
1996-97 (q)	186	-	-	2	13	78	12	291	89	427	3149
1997-98 (q)	150	-	1	1	5	88	10	255	118	429	3352
1998-99 (q)	150	-	1	1	5	88	10	255	118	429	3352
1999-00 (r)	149	-	(a)	1	12	92	8	262	139	527	4108
2000-01 (s)	150	-	0	1	10	77	10	248	128	505	3695
2001-02 (s)	133	-	0	1	10	62	9	215	129	582	3938
2002-03	117	-	1	2	7	81	24	233	108	514	4249
2003-04	106	-	2	2	8	87	23	228	104	510	4271
2004-05	94	-	1	1	10	75	20	201	102	483	4176
2005-06	102	-	1	1	12	73	17	206	95	461	4242
2006-07	103	-	1	2	12	83	17	218	102	473	4445
2007-08	69	0	0	2	9	66	17	162	87	385	4363

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States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2008-09	66	0	1	1	11	60	14	153	85	411	4328
2009-10	67	0	1	1	11	50	14	143	92	403	4352
2010-11**	74	0	1	1	10	47	13	147	107	414	4850
2011-12**	63	0	1	1	11	49	13	138	112	399	4164
2012-13**	56	0	1	1	12	49	14	132	112	396	4041
Manipur (j)											
1995-96	-	-	-	-	-	-	-	-	-	-	75
1996-97	-	-	-	-	-	-	-	-	-	-	75
1997-98	-	-	-	-	-	-	-	-	-	-	75
1998-99	-	-	-	-	-	-	-	-	-	-	75
1999-00	-	-	-	-	-	-	-	-	-	-	75
2000-01	-	-	-	-	-	-	-	-	-	-	75
2001-02	-	-	-	-	-	-	-	-	-	-	75
2002-03	-	-	-	-	-	-	-	-	-	-	54
2003-04	-	-	-	-	-	-	-	-	-	-	40
2004-05	-	-	-	-	-	-	-	-	-	-	54
2005-06	-	-	-	-	-	-	-	-	-	-	51
2006-07	-	-	-	-	-	-	-	-	-	-	51
2007-08	-	-	-	-	-	-	-	-	-	-	51
2008-09	-	-	-	-	-	-	-	-	-	-	52
2009-10	-	-	-	-	-	-	-	-	-	-	52
2010-11**	-	-	-	-	-	-	-	-	-	-	73
2011-12**	-	-	-	-	-	-	-	-	-	-	69
2012-13**	-	-	-	-	-	-	-	-	-	-	49
Meghalaya											
1995-96	-	-	-	-	-	-	-	-	-	-	45
1996-97	-	-	-	-	-	-	-	-	-	-	45
1997-98	-	-	-	-	-	-	-	-	-	-	54
1998-99	-	-	-	-	-	-	-	-	-	-	55
1999-00	-	-	7	-	-	-	-	7	-	7	60
2000-01	-	-	6	-	-	-	-	6	-	6	62
2001-02	-	-	2	-	-	-	-	2	-	2	76
2002-03	-	-	3	-	-	-	-	3	-	3	76
2003-04	-	-	7	-	-	-	-	7	-	7	82
2004-05	-	-	3	-	-	-	-	3	-	3	74
2005-06	-	-	3	-	-	-	-	3	-	3	64
2006-07	-	-	3	-	-	-	-	3	-	3	72
2007-08	-	-	2	-	-	-	-	2	-	2	73
2008-09	-	-	3	-	-	-	-	3	-	3	73

States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2009-10	-	-	3	-	-	-	-	3	-	3	74
2010-11	-	-	3	-	-	-	-	3	-	4	74
2011-12	-	-	4	-	-	-	-	4	-	4	80
2012-13	-	-	6	-	-	-	-	6	-	6	125
Mizoram											
1995-96	-	-	-	-	-	-	2	2	-	2	9
1996-97	-	-	-	-	-	-	2	2	-	2	9
1997-98	-	-	-	-	-	-	2	2	-	2	10
1998-99	-	-	-	-	-	-	2	2	-	2	10
1999-00	-	-	-	-	-	-	2	2	-	2	11
2000-01	-	-	-	-	-	-	3	3	-	3	13
2001-02	-	-	-	-	-	-	1	1	-	1	17
2002-03	-	-	-	-	-	-	1	1	-	1	17
2003-04	-	-	-	-	-	-	2	2	-	1	18
2004-05	-	-	-	-	-	-	2	2	-	2	19
2005-06	-	-	-	-	-	-	2	2	-	2	19
2006-07	-	-	-	-	-	-	2	2	-	2	18
2007-08	-	-	-	-	-	-	-	-	-	-	10
2008-09	-	-	-	-	-	-	-	-	-	-	11
2009-10	-	-	-	-	-	-	-	-	-	-	10
2010-11	-	-	-	-	-	-	-	-	-	-	12
2011-12	-	-	-	-	-	-	-	-	-	-	13
2012-13	-	-	-	-	-	-	-	-	-	-	-
Nagaland											
1995-96	-	-	6	-	-	-	-	6	-	6	72
1996-97	-	-	2	5	-	-	-	7	-	7	73
1997-98	-	-	3	1	-	-	-	4	-	4	70
1998-99	-	-	3	2	-	-	-	5	-	5	73
1999-00 (s)	-	-	3	2	-	-	-	6	-	6	77
2000-01	-	-	4	2	-	-	-	6	-	6	77
2001-02	-	-	4	2	-	-	-	6	-	6	80
2002-03	-	-	4	2	-	-	-	6	-	6	81
2003-04	-	-	4	8	-	-	-	24	-	24	104
2004-05	-	-	16	1	-	-	-	27	-	27	104
2005-06	-	-	26	8	-	1	-	35	-	35	106
2006-07	-	-	28	9	-	1	-	38	-		
2007-08	-	-	28	10	-	1	1	39	-	39	116
2008-09	-	-	4	-	-	-	-	4	-	4	82
2009-10	-	-	2	1	-	0	4	7	-	7	85

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States/UTs/ Year	Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops	
2010-11	-	3	2	0	-	5	-	-	5	92	
2011-12	-	3	1	-	0	-	4	-	4	92	
2012-13	-	2	1	-	0	-	3	-	3	92	
Orissa											
1996-96	51	23	23	-	-	-	10	107	-	118	2629
1996-97	47	15	28	-	-	-	3	93	1	108	2263
1997-98	63	13	21	-	-	-	7	104	-	120	2318
1998-99	58	-	17	-	-	-	24	100	-	114	2358
1999-00	71	20	7	-	-	5	10	114	1	126	2512
2000-01	36	7	8	-	-	-	2	53	-	58	2126
2001-02	71	12	20	-	-	-	9	112	-	118	2546
2002-03	31	8	6	-	-	-	9	55	-	57	1712
2003-04	64	14	7	-	-	-	25	110	-	116	2518
2004-05	87	21	10	-	-	7	1	126	-	126	2691
2005-06	87	21	10	-	-	9	-	127	-	128	2687
2006-07	87	21	10	-	-	14	-	132	-	133	2681
2007-08	114	22	49	-	-	18	3	206	3	220	3308
2008-09	103	21	25	-	-	14	0	164	2	177	3177
2009-10 (K)	103	21	25	-	-	14	0	164	2	176	3197
2010-11	13	3	6	-	-	3	25	-	-	26	1539
2011-12	13	3	4	-	-	-	3	23	-	23	1437
2012-13	15	2	4	-	-	-	4	25	-	26	1496
Punjab											
1995-96	4	19	90	1	-	68	1	183	739	1583	7377
1996-97(q)	4	19	90	1	-	68	1	183	739	1583	7377
1997-98	5	9	62	(a)	(a)	54	2	133	722	1442	7487
1998-99 ©	5	9	62	(a)	(a)	54	2	133	722	1442	7487
1999-00 (s)	2	11	47	-	-	56	1	116	721	1590	8028
2000-01	2	14	48	0	-	7	5	76	472	1284	7664
2001-02(e)	2	15	47	0	-	7	5	76	605	1416	7710
2002-03	2	13	59	-	-	11	2	86	449	1235	7543
2003-04	1	8	45	-	2	20	1	78	452	1264	7722
2004-05	1	8	52	-	-	19	1	81	509	1250	7702
2005-06	1	8	43	-	-	18		71	556	1287	7723
2006-07	1	7	36	-	-	15		60	606	1326	7759
2007-08	1	5	26	0	2	22	0	56	605	1204	7689
2008-09	1	7	25	0	-	19	1	54	528	1139	7724
2009-10	1	5	26	0	-	17	3	52	509	1097	7714
2010-11	1	5	25	0	-	15	2	47	484	1076	7724

States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2011-12	1	5	23	0	-	14	3	45	515	1093	7771
2012-13	1	4	27	0	-	15	3	50	481	1044	7744
Rajasthan											
1995-96	76	5	1975	2	92		37	2187	594	3062	6361
1996-97	74	4	2019	5	78		32	2212	640	3166	6741
1997-98	118	2	1744	2	41	(a)	35	1942	632	2895	6676
1998-99	118	2	1604	5	55	(a)	35	1820	632	2790	6809
1999-00	97	7	1782	4	14	(a)	44	1946	571	2962	6934
2000-01	82	4	1129	5	18	0	73	1311	496	2340	6135
2001-02	101	11	1505	2	50	0	45	1714	495	2669	6744
2002-03	118	9	1105	1	3	-	27	1263	366	2036	5272
2003-04	115	4	1804	1	2	-	60	1986	326	2794	6393
2004-05	170	6	2702	2	46	-	87	3013	413	3746	7093
2005-06	227	9	2936	1	85	-	104	3361	447	4223	7818
2006-07	204	11	2693	1	33	-	80	3022	330	3921	7958
2007-08	202	5	2197	0	57	0	114	2575	354	3555	8088
2008-09	231	15	2351	2	27	0	132	2758	283	3753	7910
2009-10	252	9	1855	3	5	-	101	2225	408	3189	7309
2010-11	269	8	1968	1	4	-	154	2404	312	3329	8322
2011-12	320	4	2075	1	2	0	234	2635	528	3769	8903
2012-13	323	2	2439	0	3	-	202	2968	486	4268	9455
Sikkim											
1995-96 ©	-	-	-	-	-	-	-	-	-	-	16
1996-97 ©	-	-	-	-	-	-	-	-	-	-	16
1997-98 ©	-	-	-	-	-	-	-	-	-	-	16
1998-99 ©	-	-	-	-	-	-	-	-	-	-	16
1999-00 (b)	-	-	-	-	-	-	-	-	-	-	19
2000-01 (b)	-	-	-	-	-	-	-	-	-	-	18
2001-02 (b)	-	-	-	-	-	-	-	-	-	-	18
2002-03	-	-	-	-	-	-	-	-	-	-	11
2003-04	-	-	-	-	-	-	-	-	-	-	11
2004-05	-	-	-	-	-	-	-	-	-	-	11
2005-06	-	-	-	-	-	-	-	-	-	-	12
2006-07	-	-	-	-	-	-	-	-	-	-	12
2007-08	-	-	1	-	0	-	-	1	-	-	16
2008-09	-	-	1	-	0	-	-	1	-	-	17
2009-10	-	-	1	-	0	-	-	1	-	-	18
2010-11	-	-	1	-	0	-	-	1	-	1	20
2011-12	-	-	1	-	0	-	-	1	-	1	19
2012-13	-	-	1	-	0	-	-	1	-	1	19

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States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
Tamil Nadu											
1995-96	258	25	-	-	6	11	177	477	96	637	3183
1996-97	268	31	-	-	5	6	189	499	81	657	3347
1997-98	271	33	-	-	9	5	206	524	79	673	3519
1998-99	296	39	-	-	4	6	222	566	78	716	3635
1999-00	265	51	-	-	2	7	242	567	62	710	3585
2000-01	241	46	-	-	1	3	260	553	65	699	3490
2001-02	218	27	-	-	0	3	270	519	59	662	3412
2002-03	157	23	-	-	1	3	281	485	26	568	2622
2003-04	172	20	-	-	1	5	286	484	44	591	2479
2004-05	198	28	-	-	1	11	297	533	58	668	3087
2005-06	190	22	-	-	-	12	314	537	44	664	3397
2006-07	157	15	-	-	-	21	316	510	38	630	3309
2007-08	194	22	-	-	0	38	327	581	35	700	3252
2008-09	179	21	-	-	0	20	333	554	32	687	3393
2009-10	156	23	0	-	0	9	342	530	30	663	3238
2010-11	134	19	-	-	0	5	351	510	29	650	3348
2011-12	154	17	0	-	0	10	364	546	40	711	3519
2012-13	135	11	0	-	0	6	374	526	33	684	2991
Tripura (d)											
1995-96	1	-	-	-	-	-	-	1	-	1	60
1996-97	1	-	-	-	-	-	-	1	-	1	60
1997-98	1	-	-	-	-	-	-	1	-	1	60
1998-99	1	-	-	-	-	-	-	1	-	1	60
1999-00	1	-	-	-	-	-	-	1	-	1	58
2000-01	1	-	-	-	-	-	-	1	-	1	59
2001-02	0	-	-	-	-	-	-	0	-	0	59
2002-03	-	-	-	-	-	-	-	-	-	-	109
2003-04	-	-	-	-	-	-	-	-	-	-	102
2004-05	-	-	-	-	-	-	-	-	-	-	104
2005-06	-	-	-	-	-	-	-	-	-	-	105
2006-07	-	-	-	-	-	-	-	-	-	-	107
2007-08	0	1	0	-	-	-	0	1	0	1	99
2008-09	0	0	0	-	-	-	0	1	0	1	101
2009-10	0	0	0	-	-	-	0	1	0	1	106
2010-11	0	1	0	-	-	-	0	1	0	1	122
2011-12	0	1	0	-	-	-	0	1	0	1	129
2012-13	0	1	0	-	-	-	0	1	0	1	128

States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
Uttar Pradesh (Including Uttarakhand)											
1995-96	2	2	579	4	1	33	3	624	11	1317	16972
1996-97	1	1	650	5	1	26	3	687	11	1486	17467
1997-98	1	1	536	2	1	26	2	569	8	1370	17322
1998-99	1	1	482	2	(a)	26	2	514	7	1313	17676
1999-00 ®	1	1	742	3	(a)	16	25	788	6	1585	17965
Uttar Pradesh (Excluding Uttarakhand)											
2000-01 ®	1	1	670	4	1	25	2	704	8	1468	17618
2001-02 ®	1	1	600	2	1	25	2	633	8	1396	17713
Uttarkhand ®											
2000-01	0	0	8	-	0	0	0	9	-	31	547
2001-02	0	0	8	-	0	0	0	9	-	31	542
2002-03	1	1	428		-	-	1	439	5	1217	17792
2003-04	1	1	405		-	-	-	420	5	1209	18524
2004-05	1	1	477		-	-	-	495	5	1306	18939
2005-06	2	1	610		-	-	-	626	4	1436	18689
2006-07	1	1	638		-	-	1	656	5	1469	19120
2007-08	3	1	436	1	0	12	1	453	3	1333	19142
2008-09	1	1	510	0	0	8	1	522	4	1390	19612
2009-10**	1	2	502	0	0	7	1	514	5	1383	18896
2010-11**	3	2	487	1	0	4	0	497	4	1349	19374
2011-12	6	2	495	0	0	2	1	507	3	1401	19901
2012-13	4	2	550	0	0	2	0	559	3	1492	20191
Uttarakhand											
2000-01	-	-	7	-	-	9	0	7	-	29	537
2001-02	-	-	6	-	-	5	0	6	-	28	539
2002-03	-	-	5	-	-	7		6	-	27	532
2003-04	-	-	6	-	-	12		6	-	29	547
2004-05	-	-	8	-	-	14		8	-	32	549
2005-06	-	-	8	-	-	12		9	-	31	549
2006-07	-	-	8	-	-	13		9	-	31	568
2007-08	0	0	5	-	0	0	1	6	-	29	554
2008-09	0	0	6	-	0	0	1	7	0	30	570
2009-10	0	0	6	-	0	0	1	8	-	31	567
2010-11	0	0	6	-	0	-	1	7	0	32	562
2011-12	0	0	6	-	0	0	1	7	-	32	555
2012-13	0	0	6	-	0	-	1	7	0	33	554

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States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
West Bengal											
1995-96 (f)	-	40	322	1	-	-	-	363	-	505	2491
1996-97 (f)	-	40	322	1	-	-	-	363	-	505	2491
1997-98 (f)	-	40	322	1	-	-	-	363	-	505	2491
1998-99 (f)	-	40	322	1	-	-	-	363	-	505	2491
1999-00 (b)	-	-	258	-	-	-	-	258	-	632	3521
2000-01 (b)	-	-	326	-	-	-	-	326	-	734	3369
2001-02 (b)	-	-	328	-	-	-	-	328	-	752	3661
2002-03	22	80	327	-	-	2	15	446	1	853	5282
2003-04	-	118	362	-	-	-	17	497	1	948	5387
2004-05	-	107	367	-	-	-	17	490	1	914	5339
2005-06	-	107	338	-	-	-	18	463	2	882	5353
2006-07	-	144	338	-	-	-	20	502	6	942	5429
2007-08	57	149	359	2	-	13	27	607	7	1112	5669
2008-09	-	149	363	1	-	-	89	602	2	1091	5651
2009-10	-	136	361	1	-	-	87	586	1	1092	5525
2010-11	51	134	362	1	0	5	90	644	1	1126	5562
2011-12	-	134	369	1	-	-	81	585	0	1083	5437
2012-13	55	144	394	1	1	10	84	689	0	1584	6105
Andaman & Nicobar Islands (k)											
1995-96	-	-	-	-	-	-	-	-	-	-	-
1996-97(q)	-	-	-	-	-	-	-	-	-	-	-
1997-98	-	-	-	-	-	-	-	-	-	-	-
1998-99	-	-	-	-	-	-	-	-	-	-	-
1999-00	-	-	-	-	-	-	-	-	-	-	-
2000-01	-	-	-	-	-	-	-	-	-	-	-
2001-02	-	-	-	-	-	-	-	-	-	-	-
2002-03	-	-	-	-	-	-	-	-	-	-	-
2003-04	-	-	-	-	-	-	-	-	-	-	-
2004-05	-	-	-	-	-	-	-	-	-	-	-
2005-06	-	-	-	-	-	-	-	-	-	-	-
2006-07	-	-	-	-	-	-	-	-	-	-	-
Chandigarh (h)											
1995-96	-	-	-	-	-	-	-	-	-	1	2
1996-97	-	-	-	-	-	-	-	-	-	2	3
1997-98	-	(a)	-	-	-	-	(a)	(a)	-	1	2
1998-99	-	(a)	-	-	-	-	(a)	(a)	-	1	2
1999-00	-	(a)	-	-	-	-	(a)	(a)	-	1	2
2000-01	-	-	0	-	-	-	-	0	0	1	2

States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2003-04	-	-	-	-	-	-	-	-	-	0	1
2004-05	-	-	-	-	-	-	-	-	-	0	1
2005-06	-	-	-	-	-	-	-	-	-	0	1
2006-07	-	-	-	-	-	-	-	-	-	0	1
2007-08	-	-	-	-	-	-	0	0	-	0	1
2008-09	-	-	-	-	-	-	0	0	-	0	1
2009-10	-	-	-	-	-	-	0	0	-	0	1
2010-11	-	-	-	-	-	-	0	0	-	0	1
2011-12	-	-	-	-	-	-	-	-	-	-	-
2012-13	-	-	-	-	-	-	-	-	-	-	-
Puduchery											
1995-96	2	-	-	-	-	-	-	2	1	4	35
1996-97	2	(a)	-	-	(a)	-	(a)	2	1	4	34
1997-98	1	(a)	-	-	(a)	-	1	2	1	4	34
1998-99	1	(a)	-	-	(a)	-	1	2	(a)	4	33
1999-00	1	(a)	-	-	(a)	-	1	2	(a)	4	34
2000-01	1	0	-	-	-	-	1	2	0	4	34
2001-02	1	0	-	-	0	-	1	2	1	4	34
2002-03	1	-	-	-	-	-	1	2	-	3	31
2003-04	1	-	-	-	-	-	1	2	-	3	31
2004-05	2	-	-	-	-	-	1	2	1	4	32
2005-06	1	-	-	-	-	-	1	2	-	3	29
2006-07	1	-	-	-	-	-	1	1	-	2	28
2007-08	1	0	-	-	-	0	1	2	0	3	27
2008-09	1	0	-	-	-	0	1	2	0	3	27
2009-10	0	0	-	-	-	0	1	1	0	3	27
2010-11	0	0	-	-	-	0	1	1	0	3	25
2011-12	0	0	-	-	-	-	1	1	0	2	22
2012-13	0	0	-	-	-	-	1	1	0	2	22
India											
1995-96	1391	135	4085	61	187	424	973	7256	3196	13290	71352
1996-97	1384	129	4257	70	202	418	961	7421	3279	13761	73275
1997-98	1388	117	3695	300	156	412	719	6788	3284	13060	73007
1998-99	1465	113	3449	309	160	357	757	6608	3315	12971	75546
1999-00	1293	109	3801	28	99	319	1101	6749	3130	13503	77992
2000-01	1174	90	3011	22	91	270	1064	5722	2794	12212	74286
2001-02	1120	104	3467	16	105	287	1030	6130	3118	13035	76441
2002-03	1008	160	2842	11	47	390	1090	5549	2586	11822	73543
2003-04	1052	184	3702	19	39	476	1123	6594	2617	13131	78308

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States/UTs/ Year		Sesame	Rape seed & Mustard	Linseed	Soyabean	Sunflower	Others	Total Oil seeds	Cotton	Total Non Food Crops	Total Irri. Area under all crops
2004-05	1174	191	4907	13	123	573	1133	8115	3080	14796	81094
2005-06	1273	188	5338	17	138	550	1194	8697	3065	15448	83416
2006-07	1130	221	5057	20	90	567	1164	8248	3195	15290	85783
2007-08	1387	227	4203	21	102	593	1278	7810	3487	15250	87980
2008-09	1297	238	4449	11	94	535	1444	8069	3313	15449	88867
2009-10	1362	226	3866	13	71	428	1429	7396	3542	14841	86423
2010-11	1308	198	3893	13	58	286	1541	7296	3700	14901	89360
2011-12	1266	188	4025	14	63	261	1937	7753	4369	16051	91730
2012-13	1373	194	4555	14	69	277	1769	8251	4015	16981	92575

Note :

- (a) : Below 500 hectares.
- (b) : Estimated on the basis of percentage irrigated area in Agri. Census,1990-1991.
- (c) : As per Agri. Census, 1995-1996.
- (d) : Estimated on the basis of percentage Irrigated area in Agri census,1992-1993.
- (g) : Relates to the year 1989-1990.
- (h) : Relates to the year 1987-1988.
- (j) : Ad-hoc estimates.
- (k) : Relates to the year 1994-1995.
- (o) : Relates to the year 1999-2000.
- (q) : Relates to the year 1995-1996.
- (r) : Estimated on the basis of percentage Irrigated area in Agri census,1997-1998.
- (s) : Estimated on the basis of percentage Irrigated area in Agri census,1998-1999.

Figures of 1999-2000 and 2000-2001 are Provisional.

The Figures classified under Different columns for different categories of land use, viz, land put to different uses according to nine-fold classification, area under irrigation and area under crops do not always add up in sub-totals and as a whole to the area totals at state and all India levels due to rounding off the figures.

Source: Ministry of Agriculture, Govt. of India.

15.4 Average Major Nutrient Removal by Oilseed Crops/tonne Yield Under Field Conditions

Crop	kg uptake/t produce					
	N	P2O5	K2O	S	Ca	Mg
Groundnut	58.1	19.6	30.1	7.9	20.5	13.3
Mustard	32.8	16.4	41.8	17.3	42	8.7
Raya	64.5	20.6	53.4	16	56.5	9.5
Taramira	70	26	61.1	20.7	19.3	9.3
Soybean	70.7	30.9	57.7	6.7	14	7.6
Safflower	38.8	8.4	22	12.6	...	...
Sesame	51.7	22.9	64	11.7	37.5	15.8
Sunflower	63.3	19.1	126.2	11.7	68.3	26.7
Linseed	60	18.6	54	5.6	31.2	13.1
Castor	40	9	16	...	...	...

Source: Tandon and Sekhon, 1988; Pasricha and Tandon, 1993; Hegde, D. M. 1998.

Crop	g uptake/t produce			
	Zn	Fe	Mn	Cu
Groundnut	109	2284	93	36
Mustard	100	1123	95	17
Raya	58	635	169	21
Taramira	16	708	153	29
Soybean	77	346	83	30
Sesame	168	793	115	117
Sunflower	47	1075	-	-
Linseed	46	664	177	30

Source: Hegde, D. M. 1998.

15.5 Nutrient Uptake in Some Cropping Systems Involving Oilseeds

Cropping system(t/ha)	Nutrient uptake			
	N	P ₂ O ₅	K ₂ O	Total
Sorghum (3.6) - Groundnut (2.2)	216	74	184	474
Maize (3.0) - Mustard (2.0)	127	70	177	374
Cotton (2.0) - Sunflower (1.8)	203	90	376	669
Soybean (1.5) - Potato (26.0) - Wheat (4.0)	305	177	345	827
Sorghum (4.0) - Sunflower (1.5) - Groundnut (2.0)	301	121	385	807
Rice (4.8) - Mustard (1.4)	142	77	203	422
Rice (5.2) - Groundnut (1.9)	215	95	213	523
Rice (4.8) - Rice (5.7) - Groundnut (1.8)	316	153	369	838
Rice (4.7) - Rice (5.6) - Sesame (0.7)	243	131	354	728
Maize (2.8) - Potato (27.0) - Sunflower (1.9)	296	110	479	885
Pearlmillet (2.1) - Mustard (1.9)	107	58	148	313
Soybean (1.9) - Wheat (4.8)	252	100	267	619
Rice (4.8) - Linseed (0.8)	144	69	187	400
Fodder Sorghum (18.9) - Potato - (24.0) - Sunflower (1.8)	296	121	481	898
Sunflower (1.6) - Groundnut (3.4)	299	97	304	700

15.6 Selected State-wise Water Rates for Oilseed (Flow Irrigation) in India
(May 2004)

States/UTs	Date of Enforcement	Season/Category/Source	Water Rates ₹/ha
Andhra Pradesh	01.07.1996	Rates are Same as for Paddy	-
Bihar	Nov. 1995	Rabi Season (Perennial)	98.8
		Rabi Season (Non-Perennial)	74.1
Chhattisgarh	15.06.1999	Groundnut (Rabi), Sunflower	247
		Groundnut (Kharif)	123.5
Delhi	1951	Rabi Season	29.64
Goa	11.2.1988	Government Canals	100
		Private Canals	20
Gujarat#	16.02.2001	Kharif Season in North Gujrat	180
		Hot Weather in North Gujrat	360
		Kharif Season in South Gujrat	220
		Hot Weather in South Gujrat	440
Haryana	27.07.2000	Bhakra Command-Category 'B' (Groundnut)	86.45
		Yamuna Command-Category 'C' (Till)	98.8
		Bhakra Command-Category 'D' (Mustard)	123.5
		Yamuna Command-Category 'C' (Till)	86.45
		Yamuna Command-Category 'D' (Mustard)	98.8
Himachal Pradesh	1977	Kharif Season	15.86
Jharkhand	14.11.95	Perennial	98.8
		Non-Perennial	74.1
Jammu & Kashmir	1.4.2000	Gravity Scheme in Jammu	24.7
Karnataka	13.7.2000	Groundnut	148.25
		Sunflower	148.25
Madhya Pradesh	15.6.1999	Groundnut during Kharif	123.5
		Soyabin during Kharif	123.5
		Groundnut during Rabi	247
		Soyabin during Rabi	247
Maharashtra#	1.9.2001	Rabi Season	548
		Kharif Season	360
Manipur	1977-78	Rabi Season Mustard	22.5
Orissa	5.4.2002	Other than Staple Crops (Groundnuts)	170
		Other than Staple Crops (Oilseeds)	60
		Other than Staple Crops (Mustard)	60
Rajasthan	24.5.1999	Pre-1952 Non-Inundation Schemes	88.92
		Perennial & Post-1952 Improved Schemes	113.62
		Pre-1952 Non-Inundation Schemes	64.22
Tripura	Yet to Start	Proposed Rates	312.5

Note : # : Increase in Water Rates@ 15% per annum. Source : Central Water Commission.

Year: Period of fiscal year in India is April to March, e.g. year shown as 1990-91 relates to April 1990 to March 1991.

15.7 Selected State-wise Water Rates for Oilseed (Lift Irrigation Arranged by Government) in India
(May 2004)

States/UTs	Date of Enforcement	Season/Category/Source	Water Rates ₹/ha
Delhi	1951	Rabi Season	44.46
Goa	11.2.1988	Lift from Government Canals	200
Haryana	27.07.2000	Bhakra Command-Category 'B' Cultivation of Groundnut	43.23
		Bhakra Command-Category 'B' Cultivation of Till	49.4
		Bhakra Command-Category 'B' Cultivation of Mustard	61.75
		Yamuna Command-Category 'B' Cultivation of Groundnut	43.23
		Yamuna Command-Category 'B' Cultivation of Till	49.4
		Yamuna Command-Category 'B' Cultivation of Mustard	55.58
Himachal Pradesh	1977	Kharif Season Oilseeds	31.71
Jammu & Kashmir	1.4.2000	Lift Irrigation Schemes	74.1
Madhya Pradesh	15.6.1999	Kharif Groundnut	123.5
		Till	123.5
		Rabi Groundnut	247
		Mustard	247
Manipur	1977-78	Rabi Season Mustard	22.5
Orissa	5.4.2002	Normal LIPS Cultivation of Groundnut	686.56
		Normal LIPS Cultivation of Till	344.57
		Normal LIPS Cultivation of Mustard	129.21
		K.P.W. LIPS Cultivation of Groundnut	831.77
		K.P.W. LIPS Cultivation of Till	444.11
		K.P.W. LIPS Cultivation of Mustard	166.35
Rajasthan	24.5.1999	Pre-1952 Non-Inundation Schemes	177.84
		Perennial & Post-1952 Improved Schemes	227.24
		Pre-1952 Non-Inundation Schemes	128.44
Tripura	Yet to Start	Proposed Rates for Groundnut	312.5

Abbr. : K.P.W. LIPS : Germany aided Lift Irrigation Project. Source : Central Water Commission.

Year: Period of fiscal year in India is April to March, e.g. year shown as 1990-91 relates to April 1990 to March 1991

16. ACHIEVEMENTS IN OILSEEDS SECTOR

16.1 Targets and Achievements of Annual Oilseeds Production in India

Year	Target (Million tonnes)	Achievement (Million tonnes)	Gap	Growth rate (Base T.E.1993-94=100)
Sixth Plan (1980-85)				
1980-81		10.20		
1981-82	11.20	9.37	-1.83	
1982-83		12.08		
1983-84		10.00		
1984-85		12.69		
Seventh Plan (1985-90)		12.95		
1985-86		10.83		
1986-87	14.80	11.27	-3.53	
1987-88	14.00	12.65	-1.35	
1988-89	15.60	18.03	2.43	
1989-90	16.50	16.92	0.42	
1990-91 (Annual Plan)	18.00	18.61	0.61	
1991-92 (Annual Plan)	18.50	18.60	0.10	
Eighth Plan (1992-97)				
1992-93	19.00	20.11	1.11	
1993-94	21.00	21.50	0.50	
1994-95	22.00	21.34	-0.66	-5.86
1995-96	22.50	22.11	0.40	2.66
1996-97	23.00	24.38	1.38	1.29
Ninth Plan (1997-2002)				
1997-98	25.50	21.32	-4.18	-0.80
1998-99	27.00	24.75	-2.25	0.40
1999-'00	27.00	20.72	-6.28	-7.42
2000-'01	28.00	18.44	-9.56	-6.23
2001-'02	28.00	20.66	-7.34	-0.59
Tenth Plan (2002-07)				
2002-03	27.00	14.84	-12.16	-5.07
2003-04	24.70	25.19	0.49	10.12
2004-05	26.20	24.35	-1.85	16.36
2005-06	26.58	27.98	1.40	1.22
2006-07	29.40	24.29	-5.11	-6.79
Eleventh Plan (2007-12)				
2007-08	30.00	29.76	-0.26	0.68
2008-09	31.75	28.16*	-3.59	2.86
2009-10	31.60	24.88	-6.72	
2010-11	33.20	32.48	-0.72	
2011-12	33.60	30.01	-3.59	
Twelfth Plan (2012-2017)				
2012-13	33.50	30.94	-2.56	
2013-14*	31.00	32.88	1.88	

Economic Survey; * 4th Advance Estimates

16.2 Target and Achievement of Oil Palm through Implementation of Oil Palm Area Coverage

(In Hectare)

Year	Target	Achievement
1992-93	2600	1534
1993-94	18000	5184
1994-95	18600	7836
1995-96	23700	10247
1996-97	17100	8565
1997-98	7097	7068
1998-99	15975	4214
1999-00	17500	3414
2000-01	19000	2585
2001-02	20428	3469
2002-03	8000	3371
2003-04	9000	4428
2004-05	10000	8321
2005-06	11000	12662
2006-07	12000	18176
2007-08	29580	21330
2008-09	31500	26178
2009-10	27711	15840
2010-11	28770	17925
2011-12	60170	28338
2012-13	49932	26300
2013-14	41347	22948
2014-15	-	-
2015-16	30000	-

Source: Agricultural Statistics at a Glance 2014 and Department of Agriculture and Cooperation (TMOP)

16.3 The Plan Wise Area, Production and Productivity of Nine Oilseed Crops

Plan	Year	Area (Lakh ha)	Production (Lakh Tonnes)	Yield (Kg/ha)	% Change in Production over Previous Plan
First Plan	1951-56	67.65	19.18	284	--
Second Plan	1956-61	69.53	19.84	285	(+) 3.44
Third Plan	1961-66	81.83	22.80	280	(+) 14.92
Annual Plan	1966-69	87.15	24.37	280	(+) 6.89
Forth Plan	1969-74	136.06	63.95	470	(+) 162.41
Fifth Plan	1974-79	171.15	95.90	560	(+) 49.97
Annual Plan	1979-80	170.42	87.39	513	(-) 8.87
Sixth Plan	1980-85	183.76	114.17	621	(+) 30.64
Seventh Plan	1985-90	204.95	139.39	680	(+) 22.09
Annual Plan	1990-91	250.17	186.05	744	(+) 33.47
Eighth Plan	1992-97	259.47	218.86	843	(+) 17.63
Ninth Plan	1997-02	244.09	211.79	868	(-) 3.23
Tenth Plan	2002-07	254.10	233.29	918	(+) 10.15
Eleventh Plan	2007-12	267.48	289.27	1082	(+) 24.00

Source: Status Paper on Oilseeds, DAC, Min. of Agric., GOI; DOD, Hyderabad

16.4 Commercial Banks Outstanding Advances against Oilseeds Commodities

(₹ Cr.)

Commodities	March 2010	March 2011	March 2012	March 2013	March 2014	Variation during March 2014 over March 2013
Groundnut	437	527	478	558	658	100
Rapeseed / Mustard seed	514	328	528	478	790	312
Linseed	10	25	16	15	18	3
Castor seed	118	118	163	298	651	353
Cotton Seed	205	242	259	407	375	-32
Soybean	736	1115	1359	1200	1778	578
Other Oilseeds	325	317	775	880	903	23
Groundnut Oil	141	314	810	861	834	-27
Rapeseed/ Mustard Oil	242	312	386	631	383	-248
Castor Oil	328	322	10	447	492	45
Linseed Oil	5	9	456	41	61	20
Cotton Seed Oil	218	300	639	423	731	308
Soybean Oil	788	839	1321	1959	1504	-455
Other Veg. Oils	987	1083	1587	2012	1569	-443
Vanaspati	178	418	484	338	537	199
Total	5232	6269	9271	10548	11284	736

Source: Reserve Bank of India Handbook of Statistics on Indian Economy

16.5 Allocation and Release of funds to ISOPOM Scheme during the 2012-13 to 2013-14 and NMOOP for 2014-15 and 2015-16

(in lakhs)

(A) State	2012-13		2013-14		2014-15		2015-16	
	Allocation	Release	Allocation	Release	Allocation	Release	Allocation	Release
Andhra Pradesh	1793.33	1793.33	8594.01	8594.01	5136.00	1798.00	4956.15	2471.83
Arunachal Pradesh	0.00	0.00	0.00	0.00	408.01	204.01	285.96	142.98
Assam	0.00	0.00	0.00	0.00	1771.92	885.95	1048.61	524.30
Bihar	919.23	919.23	0.00	0.00	231.00	154.29	139.50	69.75
Chhattisgarh	755.46	755.46	1024.52	1024.52	534.16	319.50	637.72	318.86
Gujarat	517.96	517.96	2753.55	2753.50	3665.00	1401.14	1648.26	0.00
Haryana	434.60	434.60	363.00	363.00	692.00	242.00	384.38	0.00
Himachal Pradesh	66.25	66.25	45.00	45.00	0.00	0.00	0.00	0.00
Jammu&Kashmir	41.95	41.95	158.30	158.30	134.96	101.22	59.21	0.00
Jarkhand	0.00	0.00	0.00	0.00	238.00	118.77	138.81	0.00
Karnataka	1481.00	1481.00	2313.40	2313.40	2245.00	2021.85	1642.08	821.04
Kerala	0.00	0.00	0.00	0.00	69.00	41.41	21.13	0.00
Madhya Pradesh	5690.65	5690.65	4076.26	4076.26	7507.00	4505.78	3439.15	1715.65
Maharashtra	3669.88	3669.88	3132.21	3132.21	4544.00	3408.10	2434.84	1217.41
Manipur	0.00	0.00	0.00	0.00	264.64	198.48	133.20	0.00
Meghalaya	0.00	0.00	0.00	0.00	125.86	62.93	0.00	0.00
Mizoram	0.00	0.00	146.25	146.25	891.14	668.36	1271.47	507.33
Nagaland	0.00	0.00	0.00	0.00	454.63	454.64	240.72	0.00
Orissa	1068.43	1068.43	1450.00	1449.50	1581.53	925.61	685.28	342.64
Punjab	0.00	0.00	0.00	0.00	115.00	40.00	49.90	0.00
Rajasthan	3688.64	3688.64	4018.36	4018.35	5085.00	4784.86	2842.19	1421.10
Sikkim	0.00	0.00	0.00	0.00	69.02	69.02	0.00	0.00
Tamil Nadu	821.94	821.94	1206.45	1206.45	1059.00	842.58	689.83	480.15
Telangana	0.00	0.00	0.00	0.00	1091.00	619.07	781.30	390.65
Tripura	0.00	0.00	0.00	0.00	512.44	512.44	282.96	141.48
Uttar Pradesh	666.41	666.41	1008.00	1008.00	1400.00	1172.85	1138.39	569.20
West Bengal	664.96	664.96	334.20	334.21	958.12	602.97	569.70	284.85
Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	40.13	20.06
Total (A)	22279.69	22279.69	30623.51	30622.96	40783.43	26155.82	25560.84	11439.27
(B) Central Agencies								
NSC	17111.37	9960.00	13548.23	18084.93	8890.99	3109.04	7999.92	950.91
KRIBHCO	1025.51	677.00	1223.70	722.26	850.03	314.55	900.00	457.00
NAFED	0.00	0.00	130.00	382.28	320.04	421.47	360.00	34.10
IFFCO / IFFDC	0.00	0.00	0.00	0.00	176.79	25.80	240.00	0.00
HIL	0.00	0.00	0.00	0.00	854.26	260.77	1100.00	0.00
SFAC	0.00	0.00	0.00	0.00	854.35	1.79	200.00	0.00
ICAR (IOPR, IIOR, DRMR and others)	335.55	240.67	131.60	209.85	279.29	1028.04	300.54	71.00
SFCI	9747.55	6677.83	7576.30	5461.13	0.00	208.56	0.00	0.00
ICRISAT	106.99	106.99	114.54	114.54	97.78	97.78	0.00	0.00
Other	25.00	5.58	25.00	3.47	0.00	0.00	0.00	0.00
NOVOD / TRIFED (TBOs)	650.00	435.00	400.00	212.98	300.00	274.17	300.00	106.00
Total (B)	29000.97	18003.08	23149.37	25191.45	12614.53	5741.97	11400.46	1619.01
Grand Total	51280.66	40282.77	53772.88	55814.42	53397.96	31897.79	36961.30	13058.28

Source: DAC, GOI reply to Rajya Sabha Starred Question NO. 207 on "Production and Demand of Edible oil" on 7th August, 2015

16.6 Impact of Technology Mission on Oilseeds in India

Crop	Area (Lakh ha.)				Production (Lakh tonnes)				Yield (kg/ha)			
	1987-88	1996-97	2007-08	2013-14	1987-88	1996-97	2007-08	2013-14	1987-88	1996-97	2007-08	2013-14
Groundnut	68.44	75.96	62.92	55.05	58.53	86.43	91.82	97.14	855	1138	1459	1765
	(34.00)	(28.84)	(23.57)	(21.32)	(46.25)	(35.44)	(30.85)	(36.40)				
Soybean	15.43	54.46	88.81	117.16	8.98	53.76	109.68	118.61	582	987	1235	1012
	(7.66)	(20.68)	(33.27)	(45.39)	(7.10)	(22.05)	(36.85)	(44.50)				
Sunflower	16.51	19.32	19.11	6.72	6.35	12.5	14.63	5.04	368	647	766	750
	(8.2)	(7.3)	(7.2)	(2.60)	(5.0)	(5.1)	(4.9)	(2.00)				
Safflower	10.52	7.13	3.2	17.8	4.62	4.55	2.24	11.3	439	639	700	638
	(5.2)	(2.7)	(1.2)	(6.89)	(3.7)	(1.9)	(0.8)	(4.20)				
Linseed	11.51	8.27	4.68	2.93	3.93	3.09	1.63	1.42	342	373	348	485
	(5.7)	(3.1)	(1.8)	(1.14)	(3.1)	(1.3)	(0.5)	(0.50)				
Rapeseed and Mustard	46.19	65.45	58.25	66.46	34.55	66.58	58.33	78.77	748	1017	1001	1185
	(22.9)	(24.9)	(21.8)	(25.74)	(27.3)	(27.3)	(19.6)	(29.50)				
Niger	6.39	5.46	4.08	2.99	1.79	1.52	1.09	0.98	281	278	267	327
	(3.2)	(2.1)	(1.5)	(1.20)	(1.4)	(0.6)	(0.4)	(0.40)				
Sesame	21.53	19.92	17.99	16.79	5.83	6.41	7.57	7.15	271	322	421	426
	(10.7)	(7.6)	(6.7)	(6.50)	(4.6)	(2.6)	(2.5)	(2.70)				
Castor	4.8	7.4	7.87	10.63	1.95	9.02	10.53	17.27	407	1218	1338	1624
	(2.4)	(2.8)	(2.9)	(4.10)	(1.5)	(3.7)	(3.5)	(6.50)				
Total Oilseeds	201.32	263.38	266.9	258.2	126.55	243.85	297.6	266.8	629	926	1115	1033

(Contd..)

(Contd..)

Crop	Change during 1996-97 over 1987-88 (+) or (-)			Change during 2007-08 over 1996-97 (+) or (-)			Change during 2013-14 over 2007-08 (+) or (-)		
	Area	Production	Yield	Area	Production	Yield	Area	Production	Area
Groundnut	(+) 7.52	(+) 27.9	(+) 283	(-) 13	(+) 5.39	(+) 321	(-) 7.87	(+) 5.32	(+) 306
Soybean	(+) 39	(+) 44.78	(+) 405	(+) 34.35	(+) 55.92	(+) 248	(+) 28.35	(+) 8.93	(-) 223
Sunflower	(+) 2.81	(+) 6.15	(+) 279	(-) 0.21	(+) 2.13	(+) 119	(-) 12.39	(-) 9.59	(-) 16
Safflower	(-) 3.39	(-) 0.07	(+) 200	(-) 3.93	(-) 2.31	(+) 61	(+) 14.60	(-) 2.31	(-) 62
Linseed	(-) 3.24	(-) 0.84	(+) 31	(-) 3.59	(-) 1.46	(-) 25	(-) 1.75	(-) 1.46	(+) 137
Rapeseed & Mustard	(+) 19.3	(+) 32.03	(+) 269	(-) 7.2	(-) 8.25	(-) 16	(+) 8.21	(+) 20.44	(-) 16
Niger	(-) 0.93	(-) 0.27	(-) 3	(-) 1.38	(-) 0.43	(-) 11	(-) 1.09	(-) 0.11	(+) 60
Sesame	(-) 1.61	(+) 0.58	(+) 51	(-) 1.93	(+) 1.16	(+) 99	(-) 1.20	(-) 0.42	(+) 5
Castor	(+) 2.6	(+) 7.07	(+) 811	(+) 0.47	(+) 1.51	(+) 120	(+) 2.76	(+) 6.74	(+) 286
Total Oilseeds	(+) 62.1	(+) 117.3	(+) 297	(+) 3.52	(+) 53.75	(+) 189	(-) 8.70	(-) 30.80	(-) 82

The figures in parentheses indicate percentage over total oilseeds

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation

17. GROWTH RATES

17.1 All India Compound Growth Rates of Area, Production and Productivity of Oilseeds in India

Crop		1951-1986	1986-2009	1951-2009	1986-1998	1998-2009	1999-2009	2009-2014	1998-2014
Groundnut	Area	1.13	-1.32	0.35	0.25	-1.39	-0.75	-1.87	-4.80
	Production	1.59	-0.08	1.22	2.63	0.43	3.35	5.20	1.32
	Yield	0.45	1.26	0.86	2.39	1.85	4.14	7.20	6.44
Rapeseed-mustard	Area	1.81	1.34	2.01	5.04	1.89	3.23	0.90	0.13
	Production	3.30	3.11	4.11	6.60	4.35	5.48	1.51	2.09
	Yield	1.47	1.74	2.06	1.48	2.41	2.17	0.60	1.96
Soyabean*	Area	32.52	8.49	16.32	14.28	4.38	5.16	3.54	3.76
	Production	34.28	10.44	17.91	19.07	5.59	7.36	3.05	3.22
	Yield	1.33	1.80	1.37	4.20	1.15	2.08	-0.49	-0.52
Sunflower**	Area	10.35	2.03	8.45	7.35	5.16	7.14	-15.25	-6.06
	Production	6.88	3.92	8.40	11.93	8.24	10.01	-12.95	-3.89
	Yield	-3.15	1.86	-0.04	4.27	2.93	2.66	2.72	2.31
Sesame***	Area	-0.01	-1.71	-0.57	-2.00	1.41	1.55	-1.24	0.27
	Production	0.30	0.41	0.82	0.67	3.95	4.23	1.85	1.89
	Yield	0.29	2.17	1.39	2.73	2.50	2.63	3.12	1.61
Safflower****	Area	3.15	-5.14	-1.04	-3.02	-3.53	-3.66	-8.08	-5.51
	Production	10.24	-3.93	1.62	-3.05	-1.37	-0.71	-8.18	-4.58
	Yield	6.88	1.29	2.70	0.03	2.25	3.09	-0.10	0.99
Castor	Area	-0.04	0.98	0.92	1.02	-0.17	-0.88	3.47	2.81
	Production	3.51	4.85	4.67	1.12	3.43	4.92	6.68	4.60
	Yield	3.55	3.83	3.71	1.10	3.59	5.83	3.10	1.75
Linseed	Area	0.41	-5.45	-2.25	-4.09	-5.16	-4.21	-5.36	-5.70
	Production	0.48	-3.97	-1.32	-2.47	-4.65	-4.06	-2.91	-3.95
	Yield	0.07	1.57	0.95	1.69	0.53	0.14	2.60	1.87
Niger*****	Area	1.35	-2.19	-0.30	-0.94	-2.05	-1.69	-4.49	-3.41
	Production	3.08	-2.67	0.51	-0.31	-1.92	-1.29	-2.91	-2.20
	Yield	1.70	-0.50	0.81	0.63	0.16	0.43	1.67	1.20
All Oilseeds	Area	1.56	1.02	1.59	3.05	1.59	2.44	0.30	0.43
	Production	2.30	3.01	3.03	6.37	3.73	5.48	2.82	1.77
	Yield	0.71	1.98	1.42	3.23	2.10	2.96	2.52	1.33

* From 1971-72; **1970-71; ***1956-57; ****1965-66; *****1964-65

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17.2 Compound Growth Rates of Area, Production and Yield of Principal Crops Since 1980-81 to 2012-13
(Base year TE 1981-1982 = 100)

A - Compound Growth Rates of Area
P - Compound Growth Rates of Production
Y - Compound Growth Rates of Yield

(% per annum)

Crop	1980-81 to 1989-90			1990-91 to 1999-2000			2000-01 to 2008-09*		
	A	P	Y	A	P	Y	A	P	Y
Groundnut	1.67	3.76	2.06	-2.31	-1.25	1.08	-0.29	2.80	3.11
Sesame	-0.52	3.20	3.74	-5.52	-4.84	0.72	1.43	3.58	2.12
R & M	1.95	7.28	5.22	0.71	0.78	0.07	4.79	7.31	2.40
Sunflower	25.69	21.32	-3.47	-2.97	-3.20	-0.24	7.44	10.63	2.98
Soyabean	17.10	17.96	0.73	10.23	13.06	2.56	5.78	9.94	3.93
Nine Oilseeds	2.47	5.36	2.49	0.17	1.42	1.42	3.09	6.70	3.53
Total Oilseeds	1.51	5.20	2.43	-0.86	1.63	1.15	2.56	6.03	4.78
Cotton	-1.25	2.80	4.10	2.71	2.29	-0.41	1.62	15.48	13.64
All Principal Crops	0.10	3.19	2.56	0.27	2.29	1.33	1.00	2.53	3.57

Crop	2007-08 to 2012-13*		
	A	P	Y
Groundnut	-0.41	-0.28	0.0
Sesame	-0.40	2.0	1.9
R & M	0.2	3.3	2.6
Sunflower	-13.4	-12.2	2.5
Soyabean	4.6	8.7	4.1
Nine Oilseeds	-2.59	0.10	2.70
Total Oilseeds	-0.2	2.2	2.2
Cotton	4.8	8.4	3.1
All Principal Crops	1.4	3.7	2.2

*Growth rates are based on third advance estimates for 2012-13

Nine oilseeds include groundnut, castorseed, sesame, rapeseed & mustard, linseed, nigerseed, safflower, sunflower & soybean. Total oilseeds include nine oilseeds, cottonseed and coconut.

Source: Agricultural Statistics at a Glance 2014

17.3.1 Index Numbers of Area, Production and Yield of Oilseed Crops in India
(Base TE 1993-94=100)

Crops	Weight	1993-94			1994-95			1995-96		
		A	P	Y	A	P	Y	A	P	Y
Groundnut	3.201	184.0	185.5	100.8	173.5	191.0	110.1	166.4	179.6	107.9
Sesame	0.641	96.5	87.0	90.1	85.8	90.5	105.6	79.5	82.0	103.2
Rapeseed & Mustard	4.312	99.1	101.2	102.1	95.5	107.3	112.4	103.2	111.8	108.4
Sunflower	0.592	215.6	177.1	82.1	161.5	160.0	99.1	171.5	165.2	96.4
Soyabean	2.131	116.9	135.8	116.1	115.5	112.5	97.4	134.7	145.8	108.2
Nine Oilseeds	11.971	127.9	134.1	104.8	120.4	133.8	111.1	123.6	137.3	111.1
Total Oilseeds	15.479	119.2	127.8	107.2	116.0	130.2	112.3	122.5	132.8	108.4
All Crops	100	121.9	123.0	101.0	123.8	130.1	105.0	123.0	126.8	103.1

Crop	Weight	1996-97			1997-98			1998-99		
		A	P	Y	A	P	Y	A	P	Y
Groundnut	3.201	167.9	204.8	121.9	156.7	174.6	111.4	163.5	212.7	130.1
Sesame	0.641	86.7	98.9	114.0	72.3	87.7	121.3	70.1	81.4	116.2
Rapeseed & Mustard	4.312	103.2	124.1	120.3	111.0	87.7	79.0	102.7	105.6	102.9
Sunflower	0.592	156.1	164.2	105.2	140.9	116.3	82.5	147.5	124.0	84.1
Soyabean	2.131	145.7	153.8	105.6	160.2	184.9	115.4	173.6	204.4	117.7
Nine Oilseeds	11.971	125.2	151.7	121.1	124.2	130.3	104.9	124.7	151.3	121.3
Total Oilseeds	15.479	124.2	144.7	116.5	122.5	125.9	102.8			
All Crops	100	125.6	137.8	109.7	125.3	120.6	104.4	126.6	141.1	111.4

Crop	Weight	1999-2000			2000-01			2001-02		
		A	P	Y	A	P	Y	A	P	Y
Groundnut	3.201	151.8	124.5	82.0	145.0	151.8	104.7	137.9	166.4	120.7
Sesame	0.641	68.0	74.1	109.0	74.9	79.9	106.7	72.8	107.7	148.0
Rapeseed & Mustard	4.312	95.0	107.9	113.6	70.6	78.1	110.6	80.0	94.8	118.5
Sunflower	0.592	104.1	91.1	87.6	86.8	84.9	97.9	95.1	89.3	93.9
Soyabean	2.131	166.4	202.6	121.7	171.6	150.9	88.0	169.6	170.6	100.6
Nine Oilseeds	11.971	115.4	125.7	108.9	108.3	113.0	104.4	107.6	126.9	117.9
All Crops	100	124.3	138.5	111.4	121.8	130.2	106.9	122.7	140.1	114.3

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Crop	Weight	2002-03			2003-04			2004-05		
		A	P	Y	A	P	Y	A	P	Y
Groundnut	3.201	131.2	97.6	74.4	132.4	192.5	145.4	146.8	160.4	109.3
Sesame	0.641	62.9	68.1	108.3	74.1	120.7	163.0	80.3	104.1	129.6
Rapeseed & Mustard	4.312	71.6	72.4	101.0	85.6	117.3	137.1	115.3	141.6	122.8
Sunflower	0.592	132.7	114.7	86.4	161.9	37.8	75.5	174.6	155.9	89.3
Soyabean	2.131	163.3	133.2	81.6	175.3	223.7	127.6	202.5	196.7	97.2
Nine Oilseeds	11.971	102.2	90.7	88.8	112.5	154.0	136.9	130.9	150.2	114.8
All Crops	100	113.1	121.6	107.6	122.6	143.1	116.7	123.5	139.2	112.7

Crop	Weight	2005-06			2006-07		
		A	P	Y	A	P	Y
Groundnut	3.201	148.9	189.3	127.1	124.1	115.2	92.8
Sesame	0.641	75.1	99.0	131.9	74.2	95.5	128.7
Rapeseed & Mustard	4.312	114.7	151.6	132.2	107.0	138.7	129.6
Sunflower	0.592	189.1	189.1	100.0	175.0	162.3	92.2
Soyabean	2.131	206.1	236.7	114.8	222.7	253.2	113.7
Nine Oilseeds	11.971	132.5	171.6	129.5	126.1	147.1	116.7
All Crops	100.0	125.4	146.7	117.0	127.4	167.2	131.2

17.3.2 Index Numbers of Area, Production and Yield of Oilseed Crops in India
(Base TE 2007-08=100)

Crop	Weight	2007-08			2008-09		
		A	P	Y	A	P	Y
Groundnut	4.10	101.2	125	123.5	99.2	97.6	98.4
Sesame	0.47	103.3	112.6	109.0	103.9	95.3	91.7
Rapeseed & Mustard	3.60	87.9	81.8	93.1	95.0	100.9	106.3
Sunflower	0.78	89.4	106.3	118.9	84.8	84.1	99.2
Soyabean	3.56	106.9	117.1	109.5	114.5	105.8	92.4
Nine Oilseeds	13.20	98.5	108.6	110.3	101.8	100.8	99.0
All Crops	100.0	102.2	107.0	104.7	103.5	107.0	103.4

Crop	Weight	2009-10			2010-11		
		A	P	Y	A	P	Y
Groundnut	4.10	88.1	73.9	83.8	94.2	112.5	119.4
Sesame	0.47	111.5	87.5	78.5	119.6	132.9	111.1
Rapeseed & Mustard	3.60	84.3	92.6	109.9	104.1	114.6	110.2
Sunflower	0.78	69	61.8	89.5	43.4	47.3	108.9
Soyabean	3.56	117.2	106.4	90.8	115.6	136.0	117.7
Nine Oilseeds	13.20	94.8	88.9	93.8	101.0	116.8	115.7
All Crops	100.0	102.1	102.7	100.6	109.1	121	111.1

Crop	Weight	2011-12			2012-13		
		A	P	Y	A	P	Y
Groundnut	4.10	84.7	94.8	111.9	76	63.9	84.1
Sesame	0.47	109.2	120.6	110.4	97.9	101.9	104.1
Rapeseed & Mustard	3.60	88.9	92.6	104.1	96	112.5	117.3
Sunflower	0.78	34.2	37.5	109.7	38.8	39.5	101.8
Soyabean	3.56	121.7	130.4	107.2	130.5	156.6	120.0
Nine Oilseeds	13.20	97.5	106.3	109.3	97.5	107.4	110.1
All Crops	100.0	110.1	125.2	113.7	109.0	124.2	113.9

Crop	Weight	2013-14*		
		A	P	Y
Groundnut	4.10	88.9	131.7	148.0
Sesame	0.47	95.7	100.4	104.9
Rapeseed & Mustard	3.60	101.1	111.6	110.4
Sunflower	0.78	32.3	39.7	123.0
Soyabean	3.56	146.9	128.0	87.2
Nine Oilseeds	13.20	105.7	119.3	112.9
All Crops	100.0	112.9	129.2	114.8

*Based on fourth advance estimates for 2013-14 have been used.

A - Index Numbers of Area; P - Index Numbers of Production; Y - Index Numbers of Yield

Source: Agricultural Statistics at a Glance 2014

17.4 Growth Rates of Area of Oilseed Crops in India from 1994-95 to 2010-11

(Base: T.E.1993-94 = 100)

(Percent)

Crop	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
Groundnut	-5.71	-4.09	0.90	-6.67	4.35	-7.15
Sesame	-11.09	-7.34	9.06	-16.61	-3.07	-3.03
Rapeseed & Mustard	-3.63	8.06	0.00	7.56	-7.50	-7.47
Sunflower	-25.09	6.19	-8.98	-9.74	4.66	-29.41
Soyabean	-1.20	16.62	8.17	9.95	8.39	-4.17
Nine Oilseeds	-5.86	2.66	1.29	-0.80	0.40	-7.42
Total Oilseeds	-2.68	5.60	1.39	-1.37	1.60	-7.28
Total Cereals	0.08	-2.07	2.43	-0.15	0.68	0.32
Total Pulses	5.62	-5.16	2.16	2.11	2.43	-10.15
Total Foodgrains	1.10	-2.64	2.39	0.23	1.00	-1.65
All Principal Crops	1.56	-0.65	2.11	-0.24	1.02	-1.79

Crop	2000-01	2001-02	2002-03	2003-04	2004-05
Groundnut	-4.50	-4.89	-4.85	0.87	10.91
Sesame	10.24	-2.87	-13.54	17.72	8.45
Rapeseed & Mustard	-25.72	13.32	-10.43	19.46	34.79
Sunflower	-16.64	9.59	39.55	22.00	7.84
Soyabean	3.12	-1.15	-3.75	7.36	15.51
Nine Oilseeds	-6.23	-0.59	-5.07	10.12	16.31
Total Oilseeds	-4.69	1.61	-7.75	6.80	15.21
Total Cereals	-1.26	0.07	-7.35	7.10	-2.67
Total Pulses	-3.64	8.16	-6.87	14.45	-2.96
Total Foodgrains	-1.67	1.43	-7.26	8.42	-2.73
All Principal Crops	-1.98	0.66	-7.83	8.34	0.75

Crop	2005-06	2006-07	2007-08	2008-09	Average Growth During 1994-95 to 2008-09
Groundnut	1.44	-16.64	12.05	-2.02	-1.67
Sesame	-6.55	-1.16	5.63	0.56	-0.77
Rapeseed & Mustard	-0.55	-6.69	-14.20	8.11	0.88
Sunflower	8.28	-7.47	-11.70	-5.17	-1.00
Soyabean	1.80	8.06	6.64	7.08	5.50
Nine Oilseeds	1.23	-4.85	0.68	3.24	0.32

Crop	2005-06	2006-07	2007-08	2008-09	Average Growth During 1994-95 to 2008-09
Total Oilseeds	0.63	-2.32	1.11	2.26	0.66
Total Cereals	1.95	1.32	-0.08	0.30	0.05
Total Pulses	-1.77	3.97	1.90	-6.52	0.31
Total Foodgrains	1.24	1.76	0.29	2.29	0.08
All Principal Crops	1.54	1.68	0.57	0.01	0.35

Crop	2009-10	2010-11*	Average Growth During 1994-95 to 2010-2011
Groundnut	-11.15	8.57	-1.68
Sesame	7.35	7.06	0.05
Rapeseed & Mustard	-11.27	16.42	1.19
Sunflower	-18.55	-39.23	-4.35
Soyabean	2.35	-1.85	4.88
Nine Oilseeds	-5.80	3.33	0.16
Total Oilseeds	-2.27	4.94	0.75
Total Cereals	-2.67	1.42	-0.03
Total Pulses	5.38	12.87	1.28
Total Foodgrains	-3.66	3.62	0.19
All Principal Crops	-1.99	3.99	0.46

17.5 Growth Rates of Production of Oilseed Crops in India from 1994-95 to 2010-11

(Base: T.E.1993-94 = 100)

(Percent)

Crop	1994-95	1995-96	1996-97	1997-98	1998-99	1999-'00
Groundnut	2.96	-5.97	14.03	-14.75	21.83	-41.46
Sesame	4.02	-9.39	20.61	-11.32	-7.18	-8.99
Rapeseed & Mustard	6.03	4.19	11.00	-29.33	20.43	2.20
Sunflower	-9.66	3.25	-0.61	-29.17	6.64	-26.51
Soyabean	-17.16	29.60	5.49	20.22	10.52	-0.86
Nine Oilseeds	-0.22	2.62	10.49	-14.11	16.10	-16.92
Total Oilseeds	1.88	2.00	8.96	-12.99	14.07	-15.54
Total Cereals	3.68	-5.51	9.37	-2.29	5.10	4.24
Total Pulses	8.93	-14.60	16.91	-6.57	15.18	-11.54
Total Foodgrains	4.37	-6.81	10.43	-2.89	6.44	1.95
All Principal Crops	5.77	-2.54	8.68	-5.08	7.85	-1.79

Crop	2000-01	2001-02	2002-03	2003-04	2004-05
Groundnut	21.87	9.66	-41.36	97.91	-16.64
Sesame	7.90	34.76	-36.76	77.23	-13.81
Rapeseed & Mustard	-27.66	21.39	-23.67	62.16	20.69
Sunflower	-6.81	5.12	28.42	6.62	27.55
Soyabean	-25.50	13.02	-21.94	67.98	-12.06
Nine Oilseeds	-10.09	12.28	-28.53	69.84	-2.48
Total Oilseeds	-7.99	9.98	-23.25	53.74	-0.59
Total Cereals	-5.57	7.83	-18.71	21.04	-6.48
Total Pulses	-18.20	22.02	12.34	33.10	-10.74
Total Foodgrains	-7.16	9.41	-14.86	22.57	-7.06
All Principal Crops	-6.00	7.62	-13.20	21.00	-1.63

Crop	2005-06	2006-07	2007-08	2008-09	Average Growth During 1994-95 to 2008-09
Groundnut	17.99	-39.16	88.80	-21.94	6.38
Sesame	-4.90	-3.54	22.40	-15.40	4.52
Rapeseed & Mustard	7.09	-8.53	-21.57	23.43	4.71
Sunflower	21.26	-14.70	19.99	-20.85	1.08
Soyabean	20.32	6.98	23.92	-9.69	7.39

Crop	2005-06	2006-07	2007-08	2008-09	Average Growth During 1994-95 to 2008-09
Nine Oilseeds	14.24	-14.27	22.50	-6.84	3.74
Total Oilseeds	14.34	-9.56	11.45	-6.11	2.90
Total Cereals	6.27	3.82	6.37	1.80	2.04
Total Pulses	2.28	6.29	3.97	-1.32	3.91
Total Foodgrains	5.76	4.13	6.21	1.60	2.25
All Principal Crops	12.16	14.33	3.17	-6.25	2.64

Crop	2009-10	2010-11*	Average Growth During 1994-95 to 2010-2011
Groundnut	-24.27	38.87	6.38
Sesame	-8.11	48.81	5.67
Rapeseed & Mustard	-8.23	16.03	4.45
Sunflower	-26.54	-26.57	-2.55
Soyabean	0.60	27.03	8.15
Nine Oilseeds	-10.24	24.99	4.08
Total Oilseeds	-2.52	12.75	2.98
Total Cereals	-7.48	9.84	1.96
Total Pulses	0.65	23.40	4.83
Total Foodgrains	-6.98	10.76	2.23
All Principal Crops	-1.40	12.48	3.24

17.6 Growth Rates of Yield of Principal Crops in India from 1994-95 to 2010-11

(Base: T.E.1993-94 = 100)

(Percent)

Crop	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
Groundnut	9.23	-2.00	12.97	-8.61	16.76	-36.95
Sesame	17.20	-2.27	10.47	6.49	-4.24	-6.14
Rapeseed & Mustard	10.09	-3.56	10.98	-34.33	30.19	10.45
Sunflower	20.71	-2.72	9.13	-21.58	1.89	4.10
Soyabean	-16.11	11.09	-2.40	9.28	1.96	3.45
Nine Oilseeds	6.01	0.00	9.00	-13.38	15.64	-10.26
Total Oilseeds	4.76	-3.47	7.47	-11.76	12.27	-8.91
Total Cereals	3.58	-3.45	6.69	-2.12	4.39	3.91
Total Pulses	3.15	-10.01	14.51	-8.51	12.45	-1.55
Total Foodgrains	3.30	-4.29	7.82	-3.19	5.38	3.66
All Principal Crops	3.96	-1.81	6.40	-4.83	6.76	0.00

Crop	2000-01	2001-02	2002-03	2003-04	2004-05
Groundnut	27.61	15.30	-38.37	95.50	-24.84
Sesame	-2.13	38.75	-26.85	50.55	-20.53
Rapeseed & Mustard	-2.61	7.12	-14.78	35.75	-10.46
Sunflower	11.79	-4.08	-7.98	-12.60	18.27
Soyabean	-27.75	14.33	-18.90	56.47	-23.86
Nine Oilseeds	-4.12	12.95	-24.72	54.23	-16.16
Total Oilseeds	-3.45	8.24	-16.80	43.95	-13.72
Total Cereals	-4.36	7.75	-12.26	13.02	-3.91
Total Pulses	-15.12	12.82	20.63	16.30	-8.01
Total Foodgrains	-5.58	7.86	-8.19	13.05	-4.45
All Principal Crops	-4.10	6.91	-5.83	11.68	2.37

Crop	2005-06	2006-07	2007-08	2008-09	Average Growth During 1994-95 to 2008-09
Groundnut	16.32	-27.01	68.49	-20.33	7.02
Sesame	1.77	-2.41	15.87	-15.87	4.72
Rapeseed & Mustard	7.67	-1.97	-8.58	14.17	3.66
Sunflower	11.98	-7.81	34.98	-16.54	3.02
Soyabean	18.19	-1.00	16.21	-15.66	1.68

Crop	2005-06	2006-07	2007-08	2008-09	Average Growth During 1994-95 to 2008-09
Nine Oilseeds	12.85	-9.90	21.68	-9.77	3.05
Total Oilseeds	13.62	-7.41	10.23	-8.19	2.01
Total Cereals	4.25	2.47	6.45	1.49	1.83
Total Pulses	4.12	2.48	2.03	5.56	3.35
Total Foodgrains	4.45	2.33	5.90	2.62	2.01
All Principal Crops	10.48	12.45	2.58	-6.26	2.44

Crop	2009-10	2010-11*	Average Growth During 1994-95 to 2010-2011
Groundnut	-14.76	27.91	6.90
Sesame	-14.40	38.99	5.01
Rapeseed & Mustard	3.43	-0.33	3.13
Sunflower	-9.80	20.85	2.98
Soyabean	-1.72	29.43	3.12
Nine Oilseeds	-4.71	20.96	3.55
Total Oilseeds	-0.26	26.53	3.12
Total Cereals	-4.95	8.30	1.84
Total Pulses	-4.49	9.33	3.28
Total Foodgrains	-5.83	6.89	1.87
All Principal Crops	0.60	8.17	2.91

18 SEED PRODUCTION

18.1 Production of Breeder Seeds and Distribution of Certified/Quality Seeds in Oilseeds

Year	Breeder Seed Indent (quintals)	Breeder seed Production (quintals)	Distribution of Certified/Quality seeds (Lakh quintals)
1991-92	8341.15	9300.09	9.66
1992-93	7893.15	7689.19	10.75
1993-94	6715.51	8103.46	11.38
1994-95	11908.31	7708.33	12.01
1995-96	15817.47	8183.8	12.64
1996-97	10845.21	8398.17	12.53
1997-98	10737.61	10654.34	12.87
1998-99	12615.95	7554.18	13.83
1999-2000	10031.55	9448.15	12.98
2000-01	10540.5	8778.27	12.54
2001-02	11025.09	13357.25	12.10
2002-03	11702.08	12430.68	13.36
2003-04	11669.15	18115.68	19.39
2004-05	12515.78	18559.90	23.42
2005-06	15664.78	21755.45	24.35
2006-07	21195.41	21766.73	27.00
2007-08	22577.00	26037.00	34.33
2008-09	26660.00	21852.00	39.92
2009-10	34685.00	29417.00	50.71
2010-11	33937.00	34015.00	50.61
2011-12	41404.00	41446.00	61.49
2012-13	38051.00	33235.00	58.41
2013-14	30734.00	22398.00	61.09

Source: Agricultural Research Data Book , IASRI, New Delhi; Division of Crop Science, ICAR, New Delhi
Agricultural Statistics at a Glance 2009, DES, Ministry of Agriculture, GOI

18.2 Breeder Seed Indent and Production of Nine Oilseed Crops

(Production in quintals)

Year	Indent	Production
1997-98	10738.00	10654.00
1998-99	12616.00	7554.00
1999-00	10032.00	9448.00
2000-01	10541.00	8778.00
2001-02	11025.00	13357.00
2002-03	11702.00	12431.00
2003-04	11669.00	18116.00
2004-05	12516.00	18560.00
2005-06	15665.00	21751.00
2006-07	21195.00	21767.00
2007-08	22577.00	26037.00
2008-09	26660.00	21852.00
2009-10	34685.00	29417.00
2010-11	33937.00	34015.00
2011-12	41404.00	41446.00
2012-13	38051.00	33235.00
2013-14	30734.00	22398.00

Source: Agricultural Research Data Book, IASRI, New Delhi
 Division of Crop Science, ICAR, New Delhi;
 Agricultural Statistics at a Glance 2009, DES, Ministry of Agriculture, GOI

18.3 Distribution of Certified / Quality Seeds in Oilseeds

(Lakh quintals)

Crops	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Oilseeds															
Groundnut	6.46	5.40	5.25	5.42	7.00	7.18	6.96	9.89	14.43	15.90	18.86	21.79	20.02	23.16	19.39
Rapeseed & Mustard	0.94	0.69	0.86	0.82	0.91	1.31	1.24	1.36	1.71	1.63	2.09	2.07	2.56	1.88	1.63
Sesame (Til)	0.19	0.10	0.16	0.13	0.14	0.12	0.14	0.16	0.22	0.18	0.18	0.20	0.23	0.20	0.18
Sunflower	0.51	0.42	0.48	0.61	0.56	0.80	0.90	0.89	0.92	0.80	0.76	0.55	0.29	0.35	0.32
Soyabean	4.45	5.46	4.99	6.88	10.20	13.36	14.29	14.05	16.52	20.89	28.44	25.55	37.60	32.08	38.94
Linseed	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.02	0.02	0.05
Castorseed	0.30	0.39	0.26	0.37	0.39	0.41	0.50	0.36	0.42	0.42	0.29	0.31	0.67	0.68	0.51
Safflower	0.09	0.06	0.07	0.07	0.04	0.08	0.08	0.07	0.08	0.09	0.07	0.08	0.09	0.04	0.06
Others	0.02	0.01	0.01	0.04	0.14	0.15	0.23	0.20	0.01	--	0.01	0.01	0.01	--	0.01
Total	12.98	12.54	12.10	14.35	19.39	23.42	24.35	27.00	34.33	39.92	50.71	50.61	61.49	58.41	61.09

Source: Seeds Division, Ministry of Agriculture, New Delhi.

18.4 State-wise Replacement Increase of Oilseed Crops

(In Per cent)

State	Year	Groundnut	Rapeseed & Mustard	Soybean	Sunflower V/H	Cotton V/H
Andhra Pradesh	2001	6	-	77	81.0/100	13.0/100
	2002	13	-	76	97.0/100	18.0/100
	2003	21	-	74	16.0/100	28.0/100
	2004	21	-	59	67.0/100	46.0/100
	2005	20	-	91	0/100	
	2006	25		100	0/100	0/100
	2007	36		100	0/100	0/100
	2008	50		100	-/100	-/100
					V/H	V/H
Arunachal Pradesh	2004	-	-	-	-	-
	2005	-	-	-	-	--
	2006	47	33	54.40	74	-
	2007	47	33	54.40	74	-
	2008	-	-	-	-	-
Assam	2004	-	-	-	-	-
	2005	-	15.06	-	-	-
	2006	-	15.72	-	-	-
	2007	-	39.70	-	-	-
	2008	-	24.00	-	-	-
Bihar	2001	-	N.A.	-	-	-
	2002	-	29.41	-	-	-
	2003	-	29.4	-	-	-
	2004	-	30	-	-	-
	2005	-	30	-	-	-
	2006	-	40	-	-	-
	2007	-	35	-	-	-
	2008	-	55	-	-	-
Chattisgarh	2003	0.3	6.62	17.62	28.50/-	-
	2004	0.31	7.58	18.08	31.06/-	-
	2005	0.38	7.75	22.55	35.00/-	-
	2006	2	9.8	26	42	
	2007	1.7	28	37.62	33	-
	2008	3.07	25.85	46.9	18.48	-

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State	Year	Groundnut	Rapeseed & Mustard	Soybean	Sunflower V/H	Cotton V/H
Gujarat	2001	1.16	71.44	-	-	31.0/100
	2002	1.78	68.82	-	-	21.0/100
	2003	1.25	94.04	-	-	20.0/100
	2004	1.22	100	-	-	20.2/100
	2005	1.28	100	-	-	21.93/100
	2006	1.88	60.39	-	-	23.47/100
	2007	1.9	70.38	-	-	23.50/100
	2008	2.26	76	-	-	25.53/100
Haryana	2001	-	46.41	-	-	-
	2002	-	49.89	-	-	-
	2003	-	55.76	-	-	46.20/-
	2004	-	60	-	-	-
	2005	-	69.69	-	-	43
	2006	-	72	-	-	42.24
	2007	-	72	-	-	50
	2008	-	76	-	-	80
Himachal Pradesh	2001	-	-	20	-	-
	2002	-	-	26.67	-	-
	2003	-	-	20	-	-
	2004	-	-	20	-	-
	2005	-	-	23	-	-
	2006	-	-	25	-	-
	2007	-	75	26	-	-
	2008	-	80	59	-	-
J & Kashmir	2001	-	-	-	-	-
	2002	-	-	-	-	-
	2003	-	3.3	-	-	-
J & Kashmir	2004	-	5.51	-	-	-
	2005	-	8.33	-	-	-
	2006	-	40.8	-	-	-
	2007	-	8.32	-	-	-
	2008	-	12.16	-	-	-
Jharkhand	2004	-	10	-	-	-
	2005	-	10	-	-	-
	2006	-	7	-	-	-
	2007	-	14	-	-	-
	2008	-	15	-	-	-

State	Year	Groundnut	Rapeseed & Mustard	Soybean	Sunflower V/H	Cotton V/H
Karnataka	2001	2.5	-	16	18.0/100	10.0/100
	2002	4	-	13	14.0/100	9.0/100
	2003	5	-	25	15.0/100	13.5/100
	2004	5.8	-	35	20.0/100	14.5/100
	2005	7	-	26.5	23.0/100	14.5/100
	2006	13	-	48	25/100	22/100
	2007	12	-	51	26/100	21/100
	2008	10	-	69	25/100	21/100
Kerala	2001	10	-	-	-	-
	2002	10	-	-	-	-
	2003	10	-	-	-	-
	2004	10	-	-	-	-
	2005	10	-	-	-	-
	2006	10	-	-	-	-
	2007	10	-	-	-	-
	2008	10	-	-	-	-
Madhya Pradesh	2001	0.03	7.15	6.35	15.0/-	3.40/100
	2002	0.35	10.8	6.04	-	7.20/100
	2003	0.21	9.56	10.43	-	6.80/100
	2004	0.03	14.56	12.48	-	0.31/100
	2005	0.08	21.29	15.68	3.33/-	3.88/100
	2006	0.33	21.49	15.84	-	0.35/100
	2007	0.16	18.8	14.77	2.82	0.33/100
	2008	0.54	21.19	19.43	0.47	0.84/100
Maharashtra	2001	2	-	33	28.0/-	80.0/100
	2002	2	-	42	30.0/-	85.0/100
	2003	2	-	44	29.0/-	82.0/100
	2004	2	-	44	29.0/-	83.0/100
	2005	2	-	44	29.0/-	82.0/100
	2006	3	-	45	30/-	85/100
	2007	5	-	46	30/-	85/100
	2008	5	-	58	42	42/100
Manipur	2005	-	33.89	--	--	--
	2006	-	64.84	--	-	--
	2007	-	64.84	-	-	-
	2008	-	-	-	-	-
Meghalaya	2005	45.48	17.57	14.07	--	--
	2006	63.33	18.04	28.47	-	--
	2007	83.22	15.25	48.03	-	-
	2008	-	-	-	-	-

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State	Year	Groundnut	Rapeseed & Mustard	Soybean	Sunflower V/H	Cotton V/H
Mizoram	2005	-	50.63	19.73	--	--
	2006	-	85.76	42.64	-	--
	2007	-	85	79	-	-
	2008	-	-	-	-	-
Nagaland	2005	-	-	-	--	--
	2006	8.50	-	2.00	-	--
	2007	9.00	-	2.10	-	-
	2008	-	-	-	-	-
Odisha	2001	20.27	18.57	-	54.23 /-	42.20 /-
	2002	16.17	28.76	-	15.25 /-	33.30 /-
	2003	16.45	19.01	-	33.06 /-	29.40 /-
	2004	6.18	27.86	-	30.28/-	6.32
	2005	16.98	13.27	-	30.80/-	16.72
	2006	21.98	11.38	-	69.3	3.85
	2007	23.57	12.77	-	42.34/-	1.75/-
	2008	22.86	13.13	-	4.85	0.6
Punjab	2001	-	26	-	-	-
	2002	-	21	-	-	13/-
	2003	-	20	-	-	-
	2004	-	37	-	-	-
	2005	-	21	-	-	90
	2006	-	58	-	-	95
Rajasthan	2001	0.75	68.95	4.37	-	61.61/-
	2002	0.75	90.78	6.72	-	99.32/-
	2003	0.49	55.52	5.56	-	58.27/-
	2004	0.61	44.56	6.61	-	37.64/-
	2005	1.17	47.81	7.02	-	50.84/-
	2006	2.15	60.01	10.99	-	3.75
	2007	11.21	78.31	13.3	-	7.38
	2008	4.49	77.94	11	-	61.19
Tamil Nadu	2001	5	-	20	50.0/ -	15.0/ -
	2002	5	-	20	50.0/ -	12.0/ -
	2003	5	-	20	50.0/ -	10.85/ -
	2004	2.36	-	-	12.51/ -	13.8/-
	2005	3.2	-	-	14.10/-	-
	2006	3.18	-	-	8.25	15/-
	2007	5	-	20	50	15.00/-
	2008	6.07	-	-	13	100

State	Year	Groundnut	Rapeseed & Mustard	Soybean	Sunflower V/H	Cotton V/H
Tripura	2005		10	--	--	--
	2006		96	--	-	--
	2007	50	29	-	-	-
	2008	14	50	-	-	-
Sikkim	2005	-	48.15	15.32	--	--
	2006	-	63.13	16.30	-	--
	2007	-	38.00	12.30	-	-
	2008	-	-	-	-	-
Uttarakhand	2004	-	-	21.68	-	-
	2005	-	-	11.64	-	-
	2006	-	-	9.7	-	-
	2007	-	-	17.2	-	-
	2008	-	-	20	-	-
Uttar Pradesh	2001	1.04	26.83	7.11	36.05 /-	70.80/-
	2002	1.5	38.18	13.1	100.0 /-	73.80/-
	2003	2.6	38.25	23.9	72.60 /-	60.60/-
	2004	3.5	52.87	32.27	59.73/-	39.36/
	2005	3.96	52	31.68	14.13/-	64/100
	2006	-	53.38	-	-	-
West Bengal	2001	30	30	-	-	-
	2002	32	32	-	-	-
	2003	32	35	-	-	-
	2004	32	36	-	-	-
	2005	34	37	-	-	-
	2006	35	38	-	-	-
	2007	36	39	-	-	-
	2008	37	37	-	-	-
All india	2001	5.2	38.39	12.44	13.73	21.21
	2002	5.5	44.64	12.45	15.69	21.86
	2003	11	66.96	15.58	19.61	19.84
	2004	7.11	58.48	27	60.15	20.73
	2005	6.89	55.36	28.88	67.77	21.78
	2006	9.79	60.71	28.4	66.92	19.84
	2007	14.29	58.62	33.39	62.88	15.3
	2008	17.04	52.67	35.12	43.64	12.07

Source: <http://seednet.gov.in/>

18.5 Seed Rate, Seed Yield and Multiplication Ratios in Oilseeds

Oilseeds	Seed rate (kg/ha)	Seed Yield (Qtl./Ha)	Multiplication ratio
Castor	12.5	7.50	1:60
Groundnut	100-150	8.00	1:8
Linseed	25	--	1:50
Rapeseed & Mustard	5	5.00	1:100
Safflower	12	7.00	1:60
Sesame	5	12.50	1:250
Soybean	62.5	10.00	1:16
Sunflower	20	--	1:50
Cotton Seed	12.5	6.00	1:50

Source: <http://seednet.gov.in/>

18.6 Requirement and Availability of Certified / quality Oilseeds

(Qty. in Lakh Quintals)

Crop	2004-05		2005-06		2006-07		2007-08		2008-09	
	R	A	R	A	R	A	R	A	R	A
Groundnut	7.44	6.82	7.84	11.19	10.96	11.14	17.50	17.62	27.46	31.87
Rape/must.	1.19	1.64	1.29	1.60	1.52	1.97	1.83	1.96	1.76	2.07
Sesame	0.13	0.18	0.15	0.23	0.14	0.21	0.19	0.20	0.28	0.28
Sunflower	0.70	1.03	0.57	1.33	0.89	1.02	1.07	1.11	0.83	0.59
Soybean	10.74	11.81	10.55	14.78	11.40	13.48	16.14	16.91	17.17	18.01
Linseed	0.02	0.01	0.02	0.01	0.03	0.02	0.04	0.03	0.04	0.03
Castor	0.43	0.45	0.46	0.56	0.50	0.63	0.46	0.56	0.53	0.56
Safflower	0.10	0.10	0.10	0.13	0.07	0.08	0.03	0.09	0.07	0.07
Niger	0.03	0.03	0.01	--	0.03	0.06	0.03	0.02	0.02	0.01
Cotton	2.40	3.01	2.42	2.88	2.45	2.56	2.35	2.61	2.33	2.72
Total	23.18	25.08	23.41	32.71	27.99	31.17	39.64	41.11	50.49	56.21

R= Requirement; A=Availability

(Qty. in Quintals)

18.7 Requirement and Availability of Foundation Oilseeds

Crop	2004-05		2005-06		2006-07		2007-08		2008-09	
	R	A	R	A	R	A	R	A	R	A
Groundnut	38809	40797	44916	40728	51084	42949	60864	43553	146512	134220
Rape/must.	685	576	1600	5514	2604	6447	2743	7207	3212	6735
Sesame	213	1137	297	618	480	1575	299	1892	258	1236
Sunflower	1763	1956	573	595	521	605	717	1441	718	914
Soybean	92765	91522	106599	88698	114055	170174	124936	107029	149013	124957
Linseed	254	151	126	225	343	324	400	384	179	417
Castor	2231	3250	1418	1751	1655	2524	1382	2819	2888	3106
Safflower	374	538	210	227	171	353	150	250	223	990
Niger	45	382	63	54	55	107	28	168	217	589
Cotton	9244	10985	2328	3389	9498	10558	2698	3771	3136	5650
Total	146383	151294	158130	141799	180466	235616	194217	168514	306356	278814

R= Requirement; A=Availability

Source: <http://seednet.gov.in/>

18.8 Indian Minimum Seed Certification Standards for Oilseed Crops

Castor

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	98.0%	98.0%
Inert matter (maximum)	2.0%	2.0%
Other crop seeds (maximum)	None	None
Weed seeds (maximum)	None	None
Other distinguishable varieties (maximum)	5/kg	10/kg
Germination (minimum)	70%	70%
Moisture (maximum)	8.0%	8.0%
For vapour-proof containers (maximum)	5.0%	5.0%

Sunflower

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	98.0%	98.0%
Inert matter (maximum)	2.0%	2.0%
Huskless seeds (maximum)	2.0% (by number)	2.0% (by number)
Other crop seeds (maximum)	None	10/kg
Total Weed seeds (maximum)	5/kg	10/kg
Objectionable weed seeds (maximum)	None	None
Seeds infested with <i>Orobanche cumana</i> Guss. Non-Wallr. (Maximum)	None	None
Germination (minimum)	70%	70%
Moisture (maximum)	9.0%	9.0%
For vapour-proof containers (maximum)	7.0%	7.0%

Safflower

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	98.0%	98.0%
Inert matter (maximum)	2.0%	2.0%
Other crop seeds (maximum)	None	None
Total weed seeds (maximum)	5/kg	10/kg
Objectionable weed seeds (maximum)	None	None
Germination (minimum)	80%	80%
Moisture (maximum)	9.0%	9.0%
For vapour-proof containers (maximum)	7.0%	7.0%

Groundnut

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	96.0%	96.0%
Inert matter (maximum)	4.0%	4.0%
Other crop seeds (maximum)	None	None
Weed seeds (maximum)	None	None
Other distinguishable varieties (maximum)	5/kg	10/kg
Germination (minimum) (kernels hand shelled)	70%	70%
Moisture (maximum) (kernels hand shelled)	9.0%	9.0%
For vapour-proof containers (maximum) (kernels hand shelled)	5.0%	5.0%

Indian Rapeseed and Mustard

Factor	Standards for each class		
	Foundation	Certified	
Pure seed (minimum)	97.0%	97.0%	
Inert matter (maximum)	3.0%	3.0%	
Other crop seeds (maximum)	10/kg	20/kg	
Other distinguishable varieties (maximum)	0.10% (by number)	0.50%(by number)	
Total Weed seeds (maximum)	10/kg	20/kg	
Objectionable weed seeds (maximum)	5/kg	10/kg	
Germination (minimum)	85%	85%	
Moisture (maximum)	8.0%	8.0%	
For vapour-proof containers (maximum)			
	Mustard	5.0%	5.0%
	Rapeseed	7.0%	7.0%

Linseed

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	98.0%	98.0%
Inert matter (maximum)	2.0%	2.0%
Other crop seeds (maximum)	10/kg	20/kg
Weed seeds (maximum)	10/kg	20/kg
Other distinguishable varieties (maximum)	5/kg	10/kg
Germination (minimum)	80%	80%
Moisture (maximum)	9.0%	9.0%
For vapour-proof containers (maximum)	7.0%	7.0%

Niger

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	98.0%	98.0%
Inert matter (maximum)	2.0%	2.0%
Other crop seeds (maximum)	10/kg	20/kg
Other distinguishable varieties (maximum)	10/kg	20/kg
Weed seeds (maximum)	10/kg	20/kg
Germination (minimum)	80%	80%
Moisture (maximum)	9.0%	9.0%
For vapour-proof containers (maximum)	5.0%	5.0%

Sesame

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	97.0%	97.0%
Inert matter (maximum)	3.0%	3.0%
Other crop seeds (maximum)	10/kg	20/kg
Weed seeds (maximum)	10/kg	20/kg
Other distinguishable varieties (maximum)	10/kg	20/kg
Germination (minimum)	80%	80%
Moisture (maximum)	9.0%	9.0%
For vapour-proof containers (maximum)	5.0%	5.0%

Soybean

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	98.0%	98.0%
Inert matter (maximum)	2.0%	2.0%
Other crop seeds (maximum)	None	10/kg
Weed seeds (maximum)	5/kg	10/kg
Other distinguishable varieties (maximum)	10/kg	40/kg
Germination (minimum)	70%	70%
Moisture (maximum)	12.0%	12.0%
For vapour-proof containers (maximum)	7.0%	7.0%

Taramira

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	97.0%	97.0%
Inert matter (maximum)	3.0%	3.0%
Other crop seeds (maximum)	10/kg	20/kg
Other distinguishable varieties (maximum)	10/kg	20/kg
Total weed seeds (maximum)	10/kg	20/kg
Objectionable weed seeds (maximum)	5/kg	10/kg
Germination (minimum)	85%	85%
Moisture (maximum)	8.0%	8.0%
For vapour-proof containers (maximum)	5.0%	5.0%

Source: The Central Seed Certification Board, Dept. of Agriculture & Co-operation,
Ministry of Agriculture, GOI.

18.9 Number of Oilseed crops varieties released by ICAR during 2001 - 2012

Name of Crop	2001-05	2006-07	2008-09	2010-11	2011-12	2012-13
Groundnut	19	15	18	08	04	01
Linseed	06	03	03	04	02	-
Rape/Must.	18	12	16	07	01	08
Sunflower	09	03	03	01	-	01
Sesame	04	08	07	02	-	01
Safflower	04	03	01	-	-	01
Soybean	10	10	08	02	01	03
Niger	04	-	04	01	01	-
Castor	03	03	-	02	01	-
Toria	-	-	01	-	-	-
Taramira	-	-	-	02	-	-
Cotton	24	16	14	11	--	02
Total	101	73	75	40	10	17

Source: Division of Crop Science, ICAR, New Delhi.

19. POTENTIAL OF MINOR OILSEEDS

19.1 Estimated Potential of Minor Tree Borne Oilseeds

TBOs	Estimated Production lakh MT	Current utilization MT	Oil content (%) by wt.
Sal (<i>Shorea robusta</i>)	25	2788	12-13
Neem (<i>Azadiracta indica</i>)	10	12203	20
Mahua (<i>Madhuca indica</i>)	7	7004	35
Mango Kernel (<i>Mangifera indica</i>)	5	8062	7.5-11
Karanja (<i>Pongamia pinnata</i>)	2	1502	27-39
Jatropha (<i>Jatropha curcus</i>)	1	Neg.	30-40
Kusum (<i>Schleichera oleosa</i>)	0.8	572	34
Pilu (<i>Salvadora oleoides</i>)	0.5	Neg.	33
Thumba (<i>Citrullus colocynthes</i>)	0.5	Neg.	21
Rubber-seed	0.33	Neg.	45
Dhupa (<i>Vateria indica</i>)	0.12	Neg.	18
Undi (<i>Calophyllum inophyllum</i>)	0.1	Neg.	45
Nahor (<i>Mesua ferrea</i>)	0.09	Neg.	33
Cheura	0.05	Neg.	60
Kokum (<i>Garcinia indica</i>)	0.02	245	33-44
Wild Apricot (<i>Prunus armeniaca</i>)	0.02	Neg.	45-50
Jojoba (<i>Simonsia chinensis</i>)	N.A.	Neg.	50
Simarouba (<i>Simarouba glauca</i>)	N.A.	Neg.	60
Tung (<i>Aleurites fordii</i>)	N.A.	Neg.	50
Total	52.53	32376	

Source: SAARC Oils & Fats Today, September - October 2004

19.2 Available Potential of Tree Borne Oilseeds in India

TBO	(Metric Tonnes)
Sal	6200000
Mahua	520000
Neem	500000
Karanja	111000
Rubber	79000
Khakhan	44000
Kusum	45000
Dhuba Kernel	13000
Undi	11467
Others*	200000
Total	7723467

* Marati, Palash, Pisa, Ratanjyothi, tumba, teak etc., Ministry of Non-Conventional Energy Sources, GOI

19.3 List of Important Non-traditional Oilseeds

Botanical name	Common name	Distribution	Oil content (%)	Uses
<i>Actinodaphne hookeri</i>	Pisa	Evergreen forests of E. & W. ghats, Orissa, Karnataka, Sikkim and NE India up to 1500m	48	Soaps, Industrial chemicals (for cosmetics, textiles, pharmaceuticals & perfumery), Biodiesel
<i>Aisandra butyracea</i>	Phulwara	Sub himalayan tract and outer Himalayas from Kumaon to Sikkim	42-47	Cocoa butter substitute, vanaspati, medicinal
<i>Aleurites fordii</i>	Tung oil	Assam, Bengal, Bihar, Karnataka	50-60*	Industrial
<i>Aphanamixes polystachya</i>	Amoora	E. Uttar Pradesh, Bengal, Assam, W. ghats, Andamans	35*	Soaps, illuminations, medicinal
<i>Azadirachta indica</i>	Neem	Throughout India, more in the dry forests of A.P., T.N. & Karnataka	35-40*	Medicinal, Biodiesel
<i>Bombax ceiba</i>	Silk cotton	Throughout India	20	Illumination
<i>Calophyllum inophyllum</i>	Undi	Along sea coasts	50-73*	Illumination, soap, Biodiesel
<i>Ceiba pentandra</i>	Safed semul/ white silk cotton	Throughout the hotter parts of India	28	Illumination soaps, edible grade oil
<i>Citrullus colocynthis</i>	Tumba	Arid & semi-arid regions of Haryana, Gujarat & Rajasthan	21	Soap, Biodiesel
<i>Garcinia indica</i>	Kokum	Forests of W. ghats in S. Mah. & slopes of Nilgiri hills	33-44*	Cocoa butter substitute, soaps, candles
<i>Holarrhena antidysenterica</i>	Kurchi	Throughout India	19-30	Medicinal
<i>Holarrhena kurzii</i>	Chaulmoogra	Evergreen forests of upper Assam & Tripura	33-55*	Medicinal, soaps
<i>Hydnocarpus wightiana</i>	Maroti	Forests of W. ghats	63*	Medicinal (for leprosy) , Biodiesel
<i>Jatropha curcas</i>	Ratanjyot	Throughout India (dry tropical areas)	30-40	Industrial, medicinal, soap, Biodiesel
<i>Juglans regia</i>	Wild walnut	Kashmir, Hills of H.P., U.P. & Assam	60-70*	Edible, printing inks, oil colours, varnishes, soaps, Biodiesel
<i>Litsea cubeba</i>	Siltimur	E. Himalayas, Assam, Manipur	22	Illumination
<i>Litsea glutinosa</i>	Garbijaur	Punjab, H.P., Assam, Bengal, S. India	35-48	Candles, soap
<i>Litsea monopetala</i>	Mauda	E., N., and central India (up to 1200m)	21	Candles, medicinal
<i>Madhuca indica</i>	Mahua	Central India, plains of N. India	35	Cocoa butter substitute, vanaspati, soap
<i>Madhuca longifolia</i>	S. Indian Mahua	Monsoon forests of W. ghats, Deccan & other parts of S. India	35	Soap, illumination

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Botanical name	Common name	Distribution	Oil content (%)	Uses
<i>Mallotus philippinensis</i>	Kamala	Himalayan foothills , Bengal, Orissa, M.P. and Maharashtra	35*	Paints, varnish
<i>Mangifera indica</i>	Mango	Throughout India (tropical regions)	11*	Cocoa butter substitute, vanaspati
Botanical name	Common name	Distribution	Oil content (%)	Uses
<i>Melia azedarach</i>	Persian lilac	Sub-himalayan tract (up to 1800m)	30	Soaps, hair oil
<i>Mesua ferrea</i>	Nahor	Forests of N.E. India, Karnataka, Kerala	45	Soaps, lubricants, illumination, medicinal, Biodiesel
<i>Michelia champaca</i>	Champa	Assam, Bengal, W. ghats	32	Medicinal, Biodiesel
<i>Mimusops elengi</i>	Maulsari	Central and S. India	16-25*	Edible, illumination, Biodiesel
<i>Moringa oleifera</i>	Sainjna	Indigenous to N.W. India, cultivated throughout India	21-24	Edible, illumination, lubricant, cosmetics, medicinal
<i>Myrica nagi</i>	Kaiphal	Sub tropical Himalayas upto 2100 m.	20-25	Candles, soap, Biodiesel
<i>Myristica malabarica</i>	False Nutmeg	W. ghats (Konkan southwards)	40*	illumination, soaps, medicinal
<i>Olea ferruginea</i>	Indian olive	Himalayas (upto 2400m)	15	Soaps, medicinal
<i>Perilla frutescens</i>	Bhanjira	Himalayas (upto 3500m), Assam, Bihar	45	Paints, varnishes, printing inks, enamels
<i>Pongamia pinnata</i>	Karanja	Throughout India (up to 1200m)	27-39	Soaps, lubricants, illumination, industrial, Biodiesel
<i>Prinsepia utilis</i>	Bhikal	Uttar Pradesh	37*	Edible, illumination, soaps, medicinal
<i>Prunus armeniaca</i>	Common apricot	Sub-temperate region of J&K, H.P& U.P.(1200 to 2500m)	45-50*	Medicinal, cosmetics, confectionery
<i>Prunus persica</i>	Peach	Kashmir, H.P., sub-montane tracts of Punjab, U.P.	32-45*	Edible, pharmaceuticals, cosmetics, illumination
<i>Rhus succedanea</i>	Wax tree	Kashmir to Assam (up to 2500 m)	20-30*	Polish, candles
<i>Salvadora oleoides</i>	Pilu	Arid regions of Punjab & W. India	33	Soap, candles, Biodiesel
<i>Sapium sebiferum</i>	Chinese tallow	N. W. India	53-64*	Soap, candles, paints, varnishes, plastics
<i>Schleichera oleosa</i>	Kusum	Forests of Sub- Himalayan tracts in N. & E. parts of India	34	Soap, medicinal, illumination, lubricant, Biodiesel
<i>Shorea robusta</i>	Sal	Cent. Himalayas & foot-hills of Himalayas in sub temperate regions	13*	Cocoa butter substitute, soap, vanaspati
<i>Simarouba glauca</i>	Aceituno	A.P., Karnataka, Maharashtra, Orissa, T.N.	60*	Cocoa butter substitute, soaps

Botanical name	Common name	Distribution	Oil content (%)	Uses
<i>Simmondsia chinensis</i>	Jjoba	Gujarat, Haryana, Rajasthan	50	Lubricants, adhesives, pharmaceuticals, Biodiesel
<i>Vateria indica</i>	Dhupa	Forests of Western ghats	20-22	Confectionery, soaps, candles, medicinal, Biodiesel
<i>Simarouba glauca</i>	Simarouba	Karnataka, Andhra Pradesh. and Telangana	60-70	Biodiesel, medicine, cake as manure, insecticide, biogas production, edible oil
<i>Armeniaca vulgaris</i>	Wild Apricot	J&K, H.P., Uttarakhand	30	Wood for agricultural implements, thatching mud houses as fuel & as biofuel, fruits for edible, processing & alcoholic drink, oil for cooking
<i>Diploknema butyracea</i>	Cheura	Uettraarlaakhand	42-47	Pulp, wood as fuel, resin used in glue, seeds shree or butter, extracted for edible purpose and biofuel, fruit sweet and edible
<i>Jatropha curcas</i>	Jatropha	All India	30-40	Biodiesel, cake as manure, medicine, insecticide, biogas production

*oil % in kernel

19.4. Cost of Cultivation of some Important Tree Borne Oilseeds

Name of the TBO Plant	No. of Plant / ha	Approx. cost of Cultivation in 1st year (Rs./ha)	Ave. Income in 10-12 (Rs. ha/year)
Jotropha	2500	41000.00	116268.00
Karanj	500	20000.00	13984.00
Wild Apricot	400	16000.00	50000.00
Cheura	250	14000.00	70000.00- 120000.00
Simarouba	500	24000.00	19076.00
Mahua	200	8756.00	12700.00
Kokum	500	15000.00	18812.00
Jjoba	2500	35000.00	104100.00
Neem	400	10000.00	17000.00
Tung	500	13000.00	34000.00
Olive	200	48000.00	NA

Source: Tree Borne Oilseeds for Oil and Biofuel: CAR-CARI, Jhansi

Note: The cost-economics may vary depending upon various agro-climatic conditions, wage rate, input cost etc.

19.5. Agro-climatic Zones and Improved Varieties / Accessions of Tree Borne Oilseeds**Jatropha (*Jatropha curcas*)**

Origin	:	Central America
Family	:	Euphorbiaceae
Species	:	<i>Jatropha curcas</i>
Vernacular name	:	Ratanjyot, Danti, Physic nut, Purging nut

Agroclimatic zone	Improved varieties/accessions
Eastern Himalayan Region	TFRI 01 (49.2%), MNJ-017(42.89 %), MNJ-017(42.89%), TCR- 1(32.87%)
West Coast Plains & Hills Region	PAT-1 (32.83%), ALP-1(32.10%)
Upper Gangetic Plains Region	Bhimari, (36.10%), CSJ-3 (31.48 %), CSJ-6 from Allahabad (30.58 %), collection from Kanpur CSJ-10 (31.75 %), CSJ-11 (31.36 %), CSJ-23 (31.72 %), CSJ-24 (33.10 %), Collections from Lalitpur i.e. CSJ-14 (33.30 %), CSJ-15 (31.53 %), CSJ-16 (31.87 %), CSJ-17 (31.38 %), CSJ-20 (32.57 %)
Central Plateau & Hills Region	NRCJ158, NRCJ159, NRCJ124, NRCJ144, NRCJ145Raksla, Panna; Chapara,Seoni; Kherwani Chhindwara-1;Gessani Shivpuri -2; Gessani Shivpuri -1
Southern Plateau & Hills Region	TNMC 22, TNMC 33, TNMC 19,5 hybrids of TNAU Coimbatore
Frost tolerant genotype for H.P.	Jwalaji Local , Haryana: JR-17

% Oil content in parenthesis

Pongamia (*Pongamia pinnata*)

Origin	:	Tropical and Temperate Asia
Family	:	Fabaceae
Species	:	<i>Pongamia pinnata</i>
Vernacular name	:	Karanj, Beech, Pongam, Honge, Kanji

Agroclimatic zone	Improved varieties/accessions
Eastern Plateaus & Hills Region	Baramunda , Mancheswar
Southern Plateau & Hills Region	KNR1-(29.31 %), KSR1(27.34%) and TCR-MD(27.2 %), TCR-CI-1, PT 1 and PT 2 of Dharwad
Central Plateau & Hills Region	NRCP-13(early flowering), NRCP 24, NRCP 26 (high yielding), IC 527952 (34%)
Eastern Plateaus & Hills Region	KKVPP-02(31.7%), KKVPP-17(42%)
Central Plateau & Hills Region	RPK 14
Western Plateau & Hills Region	RHRAK 50, RHRAK 44

% Oil content in parenthesis

Wild Apricot (*Prunus armeniaca*)

Origin	:	North-Eastern China
Family	:	Rosaceae
Species	:	<i>Prunus Armeniaca</i>
Vernacular name	:	Chuari, Zardalu, Khubani, Chola

Agroclimatic zone	Improved varieties/accessions
Western Himalayan Region & in some Eastern Himalayan Region	Shipley Early, Kaisha, New Castle, St. Ambrose and Royal and improved CPTS collection from Kumaun University

Cheura (*Diploknema butyracea*)

Origin	:	Nepal and adjoining parts of India
Family	:	Sapotaceae
Species	:	<i>Diploknema butyracea</i>
Vernacular name	:	Cheura, Phulware

Agroclimatic zone	Improved varieties/accessions
Western Himalayan Region	Improved CPTS collection from Kumaun University

Simarouba (*Simarouba glauca*)

Origin	:	Florida (United States)
Family	:	Simroubaceae
Species	:	<i>Simarouba glauca</i>
Vernacular name	:	Simarouba, Paradise tree, Aceituno, Bitterwood

Agroclimatic zone	Improved varieties/accessions
Southern Plateau & Hills Region	Palem-1, 2, 3,4
Central Plateau & Hills Region	HAUP-09, 13, 22, 28 ,
Western Plateau & Hills Region	PDKV SG-23, 25, 27, 30

Mahua (*Madhuca indica*)

Origin	:	Central and North India
Family	:	Sapotaceae
Species	:	<i>Madhuca indica</i>
Vernacular name	:	Mahua, Mahwa, Mowra, Illpai, Hippe, Yappa

Agroclimatic zone	Improved varieties/accessions
Central Plateau & Hills Region	NDMC9, NDMC 7, NDMC 10 & NDMC 3

Kokum (*Garcinia indica*)

Origin	:	Asia and Africa
Family	:	Clusioideae
Species	:	<i>Garcinia indica</i>
Vernacular name	:	Kokum, Mangosteen, Kokum butter tree, Aamsol

Agroclimatic zone	Improved varieties/accessions
West coast plains & Hills Region	IC342301, Konkon Amrita (S-8). Other common varieties : Plain kokum, Salted kokum, Lonawala kokum, Pakali kokum, Khane kokum, Kholo kokum

Source: Tree Borne Oilseeds for Oil and Biofuel: CAR-CARI, Jhansi

19.6 List of TBO-wise R&D Centres under ongoing R&D Programme

TBO	State	Ongoing Centre under R&D Programme
Jatropha	M.P	Jawaharlal Nehru Krishi Viswavidyalaya, Deptt. of Plant Breeding & Genetics, Jabalpur
	Maharashtra	Mahatma Phule Krishi Vidyapeeth, AICRP on Agroforestry, Rahuri Ahmednagar
	Maharashtra	Dr. Balasahab Sawant Konkan Krishi Vidyapeeth, College of Forestry, Dapoli, Ratnagiri.
	NE states (Manipur)	ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpet, Imphal (Manipur)
	Rajasthan	Maharana Pratap University of Agriculture & Technology, Udaipur (Rajasthan)
	Tamil Nadu	Centre of Excellence in Biofuels, Forest College & Research Institute, Tamil Nadu Agricultural University, Mettupalayam
	Uttar Pradesh	National Research Centre for Agro Forestry, Jhansi (U.P.)
	Uttarakhand	G.B. Pant University of Agriculture & Technology, Pantnagar.
	West Bengal	Uttar Banga Krishi Viswavidyalaya, Coochbehar
Karanja	Telangana	Central Research Institute for Dryland Agriculture, Hyderabad
	Madhya Pradesh	Jawaharlal Nehru Krishi Viswavidyalaya, Department of Forestry, College of Agriculture, Jabalpur
	Maharashtra	Mahatma Phule Krishi Vidyapeeth, AICRP on Agroforestry, Rahuri Ahmednagar
	Maharashtra	Dr. Punjabrao Deshmukh Krishi Vidyapeeth, College of Forestry, Akola, Krishinagar.
	Tamil Nadu	Centre of Excellence in Biofuels, Forest College & Research Institute, Tamil Nadu Agricultural University, Mettupalayam
	Uttar Pradesh	National Research Centre for Agro Forestry, Jhansi
	Uttarakhand	Forest Research. Institute, Dehradun
Wild Apricot	Himachal Pradesh	CSKHPKV, Department of Horticulture, Palampur
	Jammu & Kashmir	Sher-e-Kashmir University of Agricultural Sciences and Technology, Shalimar, Srinagar
	Uttarakhand	G.B. Pant University of Agriculture & Technology, Pantnagar.
	Uttarakhand	Kumaun University, Nainital
Cheura	Uttarakhand	G.B. Pant University of Agriculture & Technology, Pantnagar.
	Uttarakhand	Kumaun University, Nainital
Kokum	Kerala	National Bureau of Plant Genetic Resources, Regional Station, Kerala Agriculture University, Thrissur
	Maharashtra	Dr. Balasahab Sawant Konkan Krishi Vidyapeeth, College of Forestry, Dapoli
Simarouba	Telangana	Prof. Jayasankar Telangana State Agricultural University, Mahboobnagar

Source: NOVOD Board

20. Front Line Demonstrations

20.1 Progress of Implementation of Frontline Demonstrations in Oilseed Crops

Crop/Year	Castor	Linseed	Niger	Safflower	Sesame	Sunflower	Total
1988-89	26	63	20	25	49	15	198
1989-90	51	68	58	0	111	33	321
1990-91	82	115	69	81	125	65	537
1991-92	77	166	44	89	159	99	634
1992-93	44	153	65	73	170	76	581
1993-94	70	156	69	62	148	94	599
1994-95	63	105	40	47	76	74	405
1995-96	76	91	60	64	83	74	448
1996-97	66	134	55	59	81	62	457
1997-98	87	111	45	18	62	19	342
1998-99	214	139	70	165	145	76	809
1999-00	264	145	30	159	76	72	746
2000-01	174	138	51	138	103	94	698
2001-02	340	260	155	145	235	152	1287
2002-03	211	209	80	176	82	75	833
2003-04	113	252	79	233	150	142	969
2004-05	175	243	71	115	131	171	906
2005-06	186	264	79	227	147	110	1013
2006-07	256	397	152	289	199	288	1581
2007-08	313	535	240	289	370	368	2115
2008-09	363	531	210	290	311	619	2324
2009-10	314	575	204	300	367	498	2258
2010-11	322	446	140	310	352	404	1974
2011-12	369	441	143	300	355	542	2150
2012-13	443	437	166	305	371	547	2269
2013-14	366	449	228	355	293	445	2136
Total	5065	6623	2623	4314	4751	5214	28590

Source: Various Frontline Demonstrations in Oilseeds: Annual reports, IIOR, Hyderabad

20.2 State-wise Frontline Demonstrations Conducted during 1998-99 to 2013-14

State	Year	Castor	Linseed	Sunflower	Sesame	Safflower	Niger	Total
Andhra Pradesh	1998-99	45	...	3	...	11	...	59
	1999-00	80	...	...	...	8	...	88
	2000-01	48	...	...	...	9	...	57
	2001-02	63	...	15	8	10	...	96
	2002-03	47	...	7	...	10	...	64
	2003-04	43	...	19	10	13	...	85
	2004-05	38	...	29	...	15	...	82
	2005-06	52	...	15	10	27	...	104
	2006-07	65	...	15	10	40	25	155
	2007-08	53	...	30	...	22	...	105
	2008-09	38	...	50	...	40	...	128
	2009-10	38	...	40	...	20	...	98
	2010-11	55	...	19	...	20	...	94
	2011-12	62	...	60	10	55	...	187
2012-13	105	...	180	...	55	...	340	
2013-14	80	...	50	...	...	...	130	
Assam	2007-08	...	15	...	...	...	50	65
	2008-09	...	...	...	...	...	...	0
	2009-10	...	20	...	...	...	...	20
	2010-11	...	0	...	...	...	...	0
	2011-12	...	15	...	...	...	...	15
	2012-13	...	20	...	...	...	...	20
2013-14	...	20	...	...	...	...	20	
Bihar	1998-99	...	...	...	6	...	...	6
	1999-00	...	15	...	...	...	...	15
	2000-01	...	15	...	...	...	...	15
	2001-02	10	13	15	...	...	...	38
	2002-03	15	29	...	...	...	...	44
	2003-04	...	39	...	...	...	15	54
	2004-05	...	45	8	...	...	...	53
	2005-06	8	42	...	...	...	15	65
	2006-07	6	45	...	...	...	23	74
	2007-08	20	47	14	81
	2008-09	10	50	...	10	...	30	100
2009-10	...	50	30	80	
2010-11	...	50	45	10	...	25	130	

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State	Year	Castor	Linseed	Sunflower	Sesame	Safflower	Niger	Total
	2000-01	0
	2001-02	...	...	...	...	...	...	0
	2002-03	20	...	...	...	...	...	20
	2003-04	...	...	...	5	...	...	5
	2004-05	16	...	...	14	...	...	30
	2005-06	20			15			35
	2006-07	4	8	20	19			51
	2007-08	40	...	....	15	...	...	55
	2008-09	40	...	...	...	...		40
	2009-10	25						25
	2010-11	40		0	10			50
	2011-12	50			11			61
	2012-13	40		40	11			91
	2013-14	50		0	17			67
Himachal Pradesh	1998--99	...	26	...	...	...	...	26
	1999-00	...	15	...	...	...	...	15
	2000-01	...	21	...	...	...	...	21
	2001-02	...	28	...	...	...	...	28
	2002-03	...	30	...	...	...	...	30
	2003-04	...	24	7	...	...	...	31
	2004-05	...	20	...	...	...	...	20
	2005-06	...	24	...	...	...	...	24
	2006-07		20					20
	2007-08	....	31	...	...	...	...	31
	2008-09	...	31	...	...	...	...	31
	2009-10		30					30
	2010-11		25					25
	2011-12		26					26
	2012-13		25					25
	2013-14		25					25
Jammu & Kashmir	2007-08	...	...	...	...	...	...	0
	2008-09							0
Jharkhand	2006-07		10				17	27
	2007-08	...	...	...	...		20	20
	2008-09		44				25	69
	2009-10		44				50	94

State	Year	Castor	Linseed	Sunflower	Sesame	Safflower	Niger	Total
	2010-11		20		20		25	65
	2011-12		20		15		45	80
	2012-13		20		30		43	93
	2013-14		30		32		45	107
Karnataka	1998-99	30	...	8	...	21	10	69
	1999-00	56	...	29	...	47	...	132
	2000-01	25	...	54	...	48	...	127
	2001-02	32	...	55	...	53	...	140
	2002-03	15	...	6	...	53	...	74
	2003-04	4	...	39	...	104	...	147
	2004-05	18	...	31	...	15	...	64
	2005-06	15	...	34	...	50	...	99
	2006-07	...	...	80	...	30	...	110
	2007-08	20	6	45	...	40	...	111
	2008-09	20	...	119	22	40	...	201
	2009-10	20	0	91	14	35	...	160
	2010-11		10	67	25	20	...	122
	2011-12	15	15	110	25	25	...	190
	2012-13	25	22	167	15	25	...	254
	2013-14	20	25	130	17	35	25	252
Kerala	1998-99	...	...	...	15	...	...	15
	1999-00	...	...	...	15	...	...	15
	2000-01	...	...	...	10	...	...	10
	2001-02	...	...	55	...	53	...	108
	2002-03	...	...	...	15	...	...	15
	2003-04	...	...	...	15	...	...	15
	2004-05	...	...	...	...	...	...	0
	2007-08	...	...	...	22	...	...	22
	2008-09	...	...	...	10	...	...	10
	2009-10				25			25
	2010-11				10			10
	2011-12				20			20
	2012-13				20			20
Madhya Pradesh	1998-99	10	38	...	25	17	15	105
	1999-00	10	28	...	12	23	15	88
	2000-01	10	15	25	5	6	29	90
	2001-02	10	15	...	18	15	53	111

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State	Year	Castor	Linseed	Sunflower	Sesame	Safflower	Niger	Total
	2002-03	...	25	...	23	44	34	126
	2003-04	...	25	...	23	44	34	126
	2004-05	...	29	...	38	15	28	110
	2005-06	...	47	...	29	15	27	118
	2006-07		76		49	26	41	192
	2007-08	...	55	...	45	15	55	170
	2008-09	15	87	...	58	10	45	215
	2009-10	20	66		53	10	54	203
	2010-11	20	30		25	20	25	120
	2011-12	20	50		25	10	20	125
	2012-13	20	35			10	45	110
	2013-14	0	34		25	10	45	114
Maharashtra	1998-99	11	13	25	21	77	15	162
	1999-00	10	14	23	10	81	15	153
	2000-01	10	14	...	6	70	10	110
	2001-02	12	15	22	22	83	10	164
	2002-03	...	10	27	17	83	10	147
	2003-04	...	15	35	21	57	10	138
	2004-05	...	15	29	21	70	15	150
	2005-06	...	20	36	19	121	...	196
	2006-07	7	20	69	30	168	15	309
	2007-08	...	60	85	27	166	30	368
	2008-09	...	57	167	32	160	30	446
	2009-10		50	140	39	200	30	459
	2010-11		35	76	36	180	25	352
	2011-12		40	169	40	165	38	452
	2012-13		40	190	43	170	28	471
	2013-14		40	75	68	215	55	453
Nagaland	2007-08	...	20	...	...	...	...	20
	2008-09	...	...	...	...	...	...	0
	2009-10		30					30
	2010-11		20					20
	2011-12		20					20
	2012-13		20					20
	2013-14		27					27
Odisha	1998-99	9	...	25	...	...	15	49
	1999-00	10	...	...	...	...	...	10

State	Year	Castor	Linseed	Sunflower	Sesame	Safflower	Niger	Total
	2000-01	10	...	...	...	...	12	22
	2001-02	20	15	10	25	0	15	85
	2002-03	10	...	...	...	...	...	10
	2003-04	...	...	...	...	...	...	0
	2004-05	15	...	10	...	...	...	25
	2005-06	20	..	...	...	...	7	27
	2006-07	20	51	10	15		15	111
Odisha	2007-08	20			50		55	125
	2008-09	40	...	...	...	...	15	55
	2009-10		8		30			38
	2010-11		15		25		20	60
	2011-12		20				20	40
	2012-13	5	20	55			25	105
	2013-14	20	15					35
Punjab	1998-99	...	...	...	...	...	...	0
	1999-00	...	15	...	13	...	...	28
	2000-01	...	15	...	13	...	...	28
	2001-02	...	...	...	...	...	...	0
	2002-03	...	...	...	...	...	...	0
	2003-04	...	...	...	...	...	...	0
	2004-05	...	10	15	...	...	...	25
	2005-06	...	...	...	...	...	...	0
	2006-07			15				15
	2007-08	...	...	27	...	...	...	27
	2008-09	...	...	43	17			60
	2009-10			50	17			67
	2010-11			40	10			50
	2011-12			38	24			62
	2012-13			100	16			116
	2013-14			50	45			95
Rajasthan	1998-99	31	15	...	5	...	...	51
	1999-00	16	13	...	15	...	...	44
	2000-01	15	15	...	16	46
	2001-02	27	15	...	15	57
	2002-03	15	15	30
	2003-04	25	10	...	15	50
	2004-05	7	15	...	7	29

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State	Year	Castor	Linseed	Sunflower	Sesame	Safflower	Niger	Total
	2005-06	14	8	22
	2006-07	29	...	...	20	...	...	49
	2007-08	60	30	...	60	...	...	150
	2008-09	48	20	...	...	55	...	123
	2009-10	57	22	...	12	...	...	91
	2010-11	53	26	...	45	10	...	134
	2011-12	70	25	...	45	...	...	140
	2012-13	55	30	...	45	...	...	130
	2013-14	40	28	...	25	...	...	93
Tamil Nadu	1998-99	25	...	15	13	...	...	53
	1999-00	20	...	15	2	...	...	37
	2000-01	15	...	15	14	...	...	44
	2001-02	15	...	15	10	...	15	55
	2002-03	20	...	15	3	...	...	38
	2003-04	15	...	18	5	...	...	38
	2004-05	39	...	8	8	...	...	55
	2005-06	16	...	...	15	...	...	31
	2006-07	30	...	36	12	...	...	78
	2007-08	30	...	117	49	...	...	196
	2008-09	40	...	133	30	...	...	203
	2009-10	45	...	20	29	...	...	94
	2010-11	40	...	20	11	...	...	71
	2011-12	40	...	20	23	...	...	83
	2012-13	35	...	20	87	...	...	142
	2013-14	55	...	20	3	...	...	78
Telangana	2013-14	...	...	...	...	50	...	50
Tripura	2005-06	...	10	...	...	...	...	10
	2007-08	...	...	...	...	...	...	0
	2008-09	...	...	...	...	...	...	0
	2011-12	...	...	...	15	...	...	15
Uttar Pradesh	1998-99	15	47	...	11	...	...	73
	1999-00	15	45	...	10	...	...	70
	2000-01	15	43	...	40	...	...	98
	2001-02	15	100	...	30	...	...	145
	2002-03	17	80	...	...	...	...	97
	2003-04	...	129	...	41	...	10	180
	2004-05	...	89	...	30	...	15	134

State	Year	Castor	Linseed	Sunflower	Sesame	Safflower	Niger	Total
	2005-06	...	96	...	30	...	15	141
	2006-07	10	132	...	30	10	...	182
	2007-08	10	196	...	75	31	...	312
	2008-09	15	167	20	47	30	25	304
	2009-10	15	170	50	88	20	25	368
	2010-11	20	140	50	85	40	20	355
	2011-12	20	135	20	63	35		273
	2012-13	20	115	50	50	35		270
	2013-14	20	130	30	32	40		252
Uttarkhand	2001-02	...	...	10	...	...	...	10
	2002-03	...	...	10	...	...	...	10
	2003-04	...	...	9	...	...	...	9
	2004-05	...	...	15	...	...	...	15
	2005-06	...	...	...	6	...	...	6
	2006-07		...	15	...	...	...	15
	2007-08		...	20	...	...	...	20
	2008-09		...	19				19
	2009-10			71				71
	2010-11			31				31
	2011-12			20				20
	2013-14			0				0
West Bengal	1998--99	...	...	...	56	...	...	56
	2005-06	...	...	15	...	...	...	15
	2006-07		10		...	...	...	10
	2007-08		15	20	...	...	...	35
	2008-09	...	15	33	...	...	...	48
	2009-10		15	36	15			66
	2010-11		15	36	15			66
	2011-12		10	70	15			95
	2012-13		10	130				140
	2013-14		0	50			13	63

Source: Various Frontline Demonstrations in Oilseeds: Annual reports, IIOR, Hyderabad

20.3 Exploitable Yield Reservoir in Oilseeds

Crop/Year	No. of Demos.*	Mean yield realised in demos (kg/ha)			State Average Yield (kg/ha)	Yield gap-II (%)	State Average Production ('000 tonnes)	Expected production ('000 tonnes)	
		IT	FP	Yielded gap-I (%)				EP-I	EP-II
Groundnut									
2006-07	435	1660	1319	26	1187	40	7993	10054	11176
2007-08	431	2083	1655	26	866	141	4863	6121	11697
2008-09	299	2179	1716	27	1459	49	9183	11662	13715
2009-10	185	2440	2011	21	1163	110	7168	8695	15037
2010-11	110	2305	1886	23	1268	102	7538	9291	15259
2011-12	105	2202	1761	25	1294	70	5067	6336	8623
2012-13- rabi	100	2532	2028	25	1812	40	1649	2059	2304
2012-13 Kharif	85	2057	1560	32	804	156	3100	4088	7931
2013-14	113	4513	3797	38	3641	47	9673	11614	11637
1988-89 to 1997-98	1893	2009	1487	35	1210	66	9164	3207 (12371)	6048 (15212)
1997-98 to 2001-02	287	2293	1688	36	1025	124	7010	368 (7378)	1268 (14388)
2002-03 to 2006-07	59	1940	1695	14	1025	89	6376	7298	12070
Rapeseed-Mustard									
2006-07	310	1416	1021	39	1117	27	8131	11278	11152
2007-08	163	1242	842	36	1095	4	7437.8	10085	7257
2008-09	170	1258	974	29	1001	26	5834	7537	7333
2009-10	255	1483	1161	28	1143	30	7201	9202	9343
2010-11	100	1797	1452	28	1179	107	7667	9844	15883
2011-12	185	1591	1283	24	1161	37	6962	8633	9540
2012-13	373	1901	1629	19	1234	54	7820	9275	12047
2013-14	141	1621	1316	23	1188	36	7960	9805	10861
1988-89 to 1997-98	1378	1531	1084	41	875	75	5774	2367 (8141)	4330 (10104)

Crop/Year	No. of Demos.*	Mean yield realised in demos (kg/ha)			State Average Yield (kg/ha)	Yield gap-I (%)	State Average Production ('000 tonnes)	Expected production ('000 tonnes)	
		IT	FP	Yielded gap-I (%)				EP-I	EP-II
1997-98 to 2001-02	741	1492	1121	33	887	68	5085	1681 (6766)	3467 (8552)
2002-03 to 2006-07	995	3312	2542	30	1053	215	6667	8686	21001
Soybean									
2006-07	625	1985	1582	26	1073	84	8274	10381	15305
2007-08	530	2096	1695	25	1063	97	8850.8	11075	17452
2008-09	681	1755	1348	30	1235	42	10968	14288	15591
2009-10	380	2103	1443	46	1041	102	9905	14432	20011
2010-11	333	1871	1478	27	1325	46	12658	16120	18537
2011-12	718	1734	1375	26	1206	44	12239	15429	17597
2012-13	755	1876	1465	28	1354	39	14679	18798	20339
2013-14	670	1661	1299	28	983	69	11989	15330	20258
1997-98 to 2001-02	710	1862	1255	48	1016	83	6385	3088 (9474)	5300 (11685)
2002-03 to 2006-07	804	1682	1286	30	1068	57	8563	11132	13444
Sunflower									
2006-07	89	1657	1424	16	615	169	1439	1674	3878
2007-08	197	1478	1112	33	615	140	1227.5	1913	3458
2008-09	81	1678	1225	37	765	119	1463	2005	3210
2009-10	144	1505	1277	18	639	136	1158	1365	2727
2010-11	109	1608	1312	23	607	165	900	1103	2384
2011-12	140	1356	825	64	729	86	535	878	994

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Crop/Year	No. of Demos.*	Mean yield realised in demos (kg/ha)			State Average Yield (kg/ha)	Yield gap-I (%)	State Average Production ('000 tonnes)	Expected production ('000 tonnes)	
		IT	FP	Yielded gap-I (%)				EP-I	EP-II
2012-13-rabi	242	957	781	23	575	66	98	120	162
2012-13-Kharif	39	1139	950	20	553	106	151	181	311
2013-14	370	3517	2859	46	1507	285	547	669	1204
1988-89 to 1997-98	466	1370	998	37	584	135	1170	433 (1603)	1580 (2750)
1997-98 to 2001-02	125	1385	1084	28	549	152	770	214 (983)	1174 (1943)
2002-03 to 2006-07	238	1527	1108	38	545	180	1131	1559	3938
Sesame									
2006-07	24	650	386	68	372	75	641	1079	1121
2007-08	114	652	370	76	363	80	618.4	1091	1111
2008-09	46	531	300	77	421	26	757	1338	954
Sesame									
2009-10	141	613	359	71	354	73	640	1094	1108
2010-11	107	647	395	66	421	104	876	1455	1788
2011-12	160	784	518	51	386	103	731	1107	1448
2012-13	165	789	465	70	391	102	654	1109	1319
2013-14	126	462	327	41	405	14	675	954	770
1988-89 to 1997-98	836	615	395	56	332	85	555	311 (866)	472 (1027)
1997-98 to 2001-02	340	608	364	67	339	79	558	374 (932)	443 (1001)
2002-03 to 2006-07	193	874	530	65	373	134	631	1041	1477

Crop/Year	No. of Demos.*	Mean yield realised in demos (kg/ha)			State Average Yield (kg/ha)	Yield gap-I (%)	State Average Production ('000 tonnes)	Expected production ('000 tonnes)	
		IT	FP	Yielded gap-I (%)				EP-I	EP-II
Safflower									
2006-07	36	1591	1008	58	627	154	229	361	580
2007-08	35	1176	896	31	637	85	240.3	315	524
2008-09	43	1060	716	48	703	51	225	333	339
2009-10	64	1106	891	24	641	72	189	235	326
2010-11	90	1272	745	71	559	127	150	191	341
2011-12	210	1315	866	52	511	157	90	137	233
2012-13	242	957	781	23	575	66	98	120	162
2013-14	353	1098	902	22	641	71	114	139	195
1988-89 to 1997-98	240	1373	897	53	814	69	325	172 (497)	224 (549)
1997-98 to 2001-02	176	1253	714	76	473	165	210	158 (368)	346 (556)
2002-03 to 2006-07	249	1676	1092	54	518	224	191	294	619
2006-07	60	1788	1338	34	1146	60	991	1323	1545
2007-08	108	2544	2042	25	1146	122	762.3	1234	2199
2008-09	106	2111	1519	38	1339	57	1054	1457	1653
1988-89 to 1997-98	507	1996	1401	42	1221	63	842	353 (1195)	530 (1372)
1997-98 to 2001-02	258	1676	1082	55	1046	60	794	437 (1231)	476 (1270)
2002-03 to 2006-07	254	2650	2002	42	1054	151	754	1073	1896

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Crop/Year	No. of Demos.*	Mean yield realised in demos (kg/ha)			State Average Yield (kg/ha)	Yield gap-I (%)	State Average Production ('000 tonnes)	Expected production ('000 tonnes)	
		IT	FP	Yielded gap-I (%)				EP-I	EP-II
Linseed									
2006-07	197	857	487	77	395	118	173	305	377
2007-08	282	1082	613	77	385	155	167.9	297	972
2008-09	367	945	522	81	415	128	169	306	385
2009-10	367	945	522	81	415	128	169	306	385
2010-11	180	910	580	60	403	174	136	218	374
2011-12	323	848	513	65	412	106	145	240	299
2012-13	352	867	572	52	507	71	150	228	257
2013-14	365	909	613	48	498	83	143	212	261
Castor									
2008-09	257	868	561	54	348	149	163	251	406
2009-10	143	2636	1926	37	1352	95	1171	1603	2283
2010-11	131	2642	2035	30	1352	95	1171	1520	2288
2011-12	217	2704	2154	26	1592	70	2315	2906	3932
2012-13	140	2449	1978	24	1653	48	2177	2700	3226
2013-14	259	2396	1899	26	1689	42	1689	2131	2396
1988-89 to 1997-98	1026	902	502	80	344	62	275	220 (495)	170 (445)
1997-98 to 2001-02	460	1056	542	95	360	193	231	219 (450)	447 (678)
2002-03 to 2006-07	797	864	498	73	393	121	177	307	389

Crop/Year	No. of Demos.*	Mean yield realised in demos (kg/ha)			State Average Yield (kg/ha)	Yield gap-I (%)	State Average Production ('000 tonnes)	Expected production ('000 tonnes)	
		IT	FP	Yielded gap-I (%)				EP-I	EP-II
Niger									
2006-07	30	548	272	117	261	110	108	235	227
2007-08	31	476	238	100	258	84	120.9	241	223
2008-09	46	400	178	124	269	49	110	247	163
2009-10	59	376	194	94	298	26	117	227	148
2010-11	35	394	215	92	310	50	120.47	231	180
2011-12	48	357	197	81	306		23	41	
2012-13	84	448	243	84	329	36	99	182	135
2013-14	115	457	262	74	319	43	89	155	128
1988-89 to 1997-98	498	311	211	68	304	2	164	111 (275)	3 (167)
1997-98 to 2001-02	170	431	231	87	271	59	135	118 (253)	80 (215)
2002-03 to 2006-07	180	489	244	101	248	97	107	215	211
2006-07	1806	1350	980	38	1004	34	27978	38561	37626
2007-08	1891						24289	32372.3	44893
2008-09	1729						29757	39118	43364
2009-10	1738								
2010-11	1185	1494	1122	47	1159	108	31101	45601	64620
2011-12	2106						30102	35708	42701

Crop/Year	No. of Demos.*	Mean yield realised in demos (kg/ha)			State Average Yield (kg/ha)	Yield gap-II (%)	State Average Production ('000 tonnes)	Expected production ('000 tonnes)	
		IT	FP	Yield gap-I (%)				EP-I	EP-II
2012-13	2577								
2013-14	2512	1512	1207	25	988	53	2989	3746	4575
1988-89 to 1997-98	6844						18260	7174 (254430)	13357 (31626)
1997-98 to 2001-02	3277						21178	1071 (3424)	2417 (4740)
2002-03 to 2006-07	3769						24597	31605	55045

IT= Improved Technology; FP=Farmers' Practice; Yield gap I= Increase in IT over FP expressed in percentage; Yield gap-II = increase in IT over State average yield expressed in percentage; EP I= Expected production if Yield gap I is bridged with complete adoption of improved practices; EP-II = Expected production if Yield gap II is bridged through complete adoption of improved technologies; *Demonstrations conducted on improved varieties/hybrids; Figures in parentheses are the total expected yield with complete adoption of improved technology.

Source: Various Frontline Demonstrations in Oilseeds: Annual reports, IIOR, Hyderabad

20.4 Cost Estimates Oilseed Crops

Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
Groundnut					
Andhra Pradesh	2003-04	11726.03	17778.98	1679.61	9.64
	2004-05	11441.39	17318.32	1563.25	10.18
	2005-06	14138.10	19812.15	1989.42	9.24
	2006-07	13947.07	20044.57	2088.96	8.95
	2007-08	18269.75	28682.68	2075.38	13.12
	2008-09	21229.01	30669.67	2575.19	11.97
	2009-10	24771.11	35713.19	2537.54	13.27
	2010-11	34822.16	52622.39	2564.73	19.53
	2011-12	40676.21	65663.48	3716.34	16.99
	2012-13	49003.18	82034.41	3681.36	21.2
Gujarat	2003-04	13480.06	19812.80	946.06	17.90
	2004-05	13152.49	17246.98	1533.51	9.48
	2005-06	14174.16	19597.61	1285.82	13.07
	2006-07	14099.22	18106.98	1690.37	8.72
	2007-08	17029.59	23587.52	1567.36	13.05
	2008-09	22951.28	30139.57	1920.86	13.45
	2009-10	23652.41	31116.68	2493.61	9.94
	2010-11	24913.47	33907.63	2036.06	14.32
	2011-12	32905.07	43106.14	2935.2	11.95
	2012-13	38139.75	48014.65	4904.58	8.24
Karnataka	2003-04	9188.55	12044.71	2579.27	4.37
	2004-05	9590.46	12268.86	1899.28	6.06
	2005-06	9668.67	12982.60	1714.45	7.02
	2006-07	9033.51	12662.78	2501.02	4.69
	2007-08	10193.95	15520.84	1769.87	8.35
	2008-09	13647.1	17404.22	3502.18	4.71
	2009-10	13947.36	19949.69	2671	7.08
	2010-11	17307.36	23674.35	4224.35	5.12
	2011-12	26873.17	35575.79	4429.03	7.09
	2012-13	30943.87	41102.31	5397.78	6.86
Maharashtra	2003-04	18943.10	24576.01	1709.29	13.32
	2004-05	18920.79	23993.43	2162.40	10.69
	2005-06	16568.71	21463.01	1855.77	10.53

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Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
	2006-07	16693.17	21655.4	2198.46	8.94
	2007-08	19837.51	25514.9	1801.98	13.14
	2008-09	26078.67	32683.46	3207.35	9.33
	2009-10	23563.94	32685.46	1753.36	17.65
Maharashtra	2010-11	29548.34	41448.5	2188.33	18.06
	2011-12	44078.89	55664.05	4094.39	13.04
	2012-13	45613.01	63610.79	3022.92	20.2
Tamil Nadu	2003-04	17950.40	25139.42	1513.27	15.95
	2004-05	19332.46	25273.64	1376.31	17.61
	2005-06	15439.64	21583.31	1291.83	15.76
	2006-07	17242.99	23891.22	1543.36	14.58
	2007-08	19201.32	25890.21	1832.25	13.06
	2008-09	22507.86	30393.66	2358	11.98
	2009-10	25244.64	33112.7	2672.92	11.47
	2010-11	30103.17	38249.59	2631.91	13.6
	2011-12	37888.68	47915.18	3270.77	13.59
	2012-13	49209.47	60949.53	3892.73	14.82
Soybean					
Chhattisgarh	2003-04	9933.56	13027.22	1327.93	8.53
	2004-05	9245.47	12678.98	1105.28	10.53
	2006-07	7923.53	13629.93	783.98	15.80
	2007-08	8771.03	14361.58	977.90	13.94
	2008-09				
	2009-10				
	2010-11				
	2011-12	10691.10	16763.27	1893.01	8.39
	2012-13	14352.85	20439.99	2495.95	7.84
Madhya Pradesh	2003-04	7624.03	12448.53	935.38	12.61
	2004-05	7898.56	12005.42	1078.15	10.58
	2005-06	7992.87	11990.71	994.97	11.28
	2006-07	8427.89	12583.78	1015.16	11.49
	2007-08	9653.92	15141.91	1159.79	12.36
	2008-09	11372.00	17338.67	1344.73	12.12
	2009-10	13432.23	21506.49	1445.30	14.09
	2010-11	14050.21	22668.10	1396.87	15.40

Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
	2011-12	14736.24	22639.46	1694.09	12.60
	2012-13	19021.75	31128.26	2117.92	14.06
Maharashtra	2003-04	10528.43	14631.94	973.62	14.68
	2004-05	12583.02	16447.79	1286.28	12.49
	2005-06	11547.32	14791.15	1227.04	11.70
	2006-07	13448.27	17478.85	1213.36	13.96
	2007-08	13968.57	19519.40	1140.73	16.64
Maharashtra	2008-09	16768.58	22212.37	1764.53	12.25
	2009-10	19130.11	25116.88	2216.05	11.02
	2010-11	20383.72	26554.41	1846.33	14.07
	2011-12	22975.57	30808.81	1971.27	15.21
	2012-13	29480.09	40651.64	2338.58	17.01
Rajasthan	2003-04	7469.57	10498.09	921.64	10.74
	2004-05	7432.66	10268.42	698.03	13.24
	2005-06	8365.74	11102.03	902.06	11.37
	2006-07	9481.42	13164.21	815.24	14.64
	2007-08	10208.64	14200.63	1048.02	12.92
	2008-09	11309.44	15761.59	1668.71	8.85
	2009-10	12631.27	17276.71	1985.83	7.79
	2010-11	12772.56	19519.55	2113.56	8.38
	2011-12	12547.89	19691.81	1272.00	14.58
	2012-13	17273.89	26172.15	1911.85	13.04
Sunflower					
Andhra Pradesh	2003-04	7679.31	11182.69	1619.71	6.73
	2004-05	8183.03	11898.69	1729.03	6.81
	2005-06	7735.55	11559.34	1631.06	7.08
	2006-07	7255.21	11454.58	1661.12	6.88
	2007-08	9358.73	13665.22	2369.29	5.75
	2008-09	14734.03	18150.55	2580.26	7.03
	2009-10	16301.68	23472.89	2393.59	9.74
	2010-11	17974.91	25287.37	3103.40	8.11
	2011-12	23313.56	34129.32	3075.67	11.07
	2012-13	28381.95	39597.46	4058.78	9.73
Karnataka	2003-04	6935.49	9100.29	2152.38	4.13
	2004-05	6177.10	8094.83	1801.88	4.40

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Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
	2005-06	6430.93	8519.56	1748.50	4.78
	2006-07	6141.93	9015.57	1985.27	4.47
	2007-08	6949.46	10859.61	1663.17	6.44
	2008-09	9196.66	12033.36	2825.24	4.12
	2009-10	7950.83	11048.47	3110.19	3.47
	2010-11	10546.85	14252.58	2654.33	5.27
	2011-12	11888.86	16390.66	3141.02	5.15
	2012-13	14220.58	19484.20	3498.32	5.50
Maharashtra	2004-05	9973.86	12819.66	1540.26	8.31
	2005-06	7966.24	10446.67	1396.69	7.46
	2006-07	9076.95	12578.62	1842.19	6.76
	2007-08	10249.00	13316.53	2033.20	6.49
	2008-09	12984.09	17905.92	2059.11	8.58
	2009-10	13503.52	18775.31	1955.46	9.42
	2010-11	15870.11	21203.50	2248.89	9.33
	2011-12	20167.47	27824.52	2738.96	9.82
	2012-13	24058.95	32968.44	2686.30	12.01
Rapeseed & Mustard					
Assam	2003-04	8408.17	10366.92	1965.49	5.27
	2004-05	8768.60	10697.67	1814.90	5.89
	2005-06	8581.05	10972.71	1721.62	6.37
	2006-07	9238.78	11605.70	1885.97	6.15
	2007-08	9693.41	12175.08	1998.81	6.09
	2008-09	10537.24	13510.00	2478.94	5.45
	2009-10	12029.73	15605.15	2393.43	6.52
	2010-11	14693.70	18694.15	2776.73	6.73
	2011-12	16859.93	22174.72	2655.96	8.35
	2012-13	20016.97	25683.06	3325.94	7.72
Gujarat	2003-04	11085.33	17400.04	947.58	18.24
	2004-05	10802.73	15327.46	1038.51	14.53
	2005-06	10943.64	15812.13	932.63	16.79
	2006-07	10110.55	14937.88	1000.91	14.70
	2007-08	9996.81	18132.84	1016.22	17.68
	2008-09	13740.64	19083.55	1610.40	11.61
	2009-10	15175.53	24599.38	1531.48	15.77

Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
	2010-11	16659.48	26808.44	1434.04	18.36
	2011-12	17923.91	30918.13	1785.74	17.07
	2012-13	20310.55	30352.12	2040.49	14.48
Haryana	2003-04	9017.89	16933.05	1024.31	15.89
	2004-05	9393.36	15943.08	1326.11	11.52
	2005-06	11607.26	19810.23	1245.58	14.89
	2006-07	12722.26	21349.23	1423.89	13.86
	2007-08	12924.30	23888.94	1396.05	15.83
	2008-09	14715.27	27513.81	1251.18	19.94
	2009-10	16573.39	31449.78	1590.79	17.69
	2010-11	14120.12	29760.59	1314.03	20.43
Haryana	2011-12	18439.97	42619.93	2078.83	18.93
	2012-13	23057.07	45678.60	2720.84	15.59
Madhya Pradesh	2003-04	8058.14	17114.21	986.22	17.08
	2004-05	6693.05	12907.32	1010.09	12.24
	2005-06	7614.00	13628.76	1138.56	11.37
	2006-07	7968.97	14243.59	1213.53	11.12
	2007-08	8511.49	17528.22	1534.32	11.10
	2008-09	8686.43	17806.80	1286.93	12.94
	2009-10	9341.63	18791.46	1369.90	12.91
	2010-11	10554.61	22649.54	1340.27	15.88
	2011-12	15084.43	28892.26	1960.58	14.07
	2012-13	16618.33	32829.58	1990.33	15.71
Punjab	2003-04	7084.48	14136.39	1154.93	11.75
	2004-05	6558.07	11981.22	1270.95	8.80
Rajasthan	2003-04	7611.00	13585.61	863.36	15.49
	2004-05	7799.91	12766.04	917.39	13.58
	2005-06	8213.40	13506.41	1009.70	12.93
	2006-07	8893.42	15059.18	1002.61	14.54
	2007-08	9613.92	16892.29	1332.63	12.21
	2008-09	11385.70	19497.66	1358.14	13.54
	2009-10	11703.04	20854.88	1360.38	14.26
	2010-11	11767.67	21172.54	1258.75	15.87
	2011-12	16846.85	28041.38	2238.94	11.82
	2012-13	20205.85	31256.29	2356.58	12.63

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Crop/State	Year	Cost of Cultivation (/ha.)		Cost of Production C2 (/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
Uttar Pradesh	2003-04	8042.38	13899.68	1308.55	10.24
	2004-05	8581.50	14659.12	1237.80	11.37
	2005-06	9348.65	16604.48	1199.40	13.13
	2006-07	9735.23	17681.29	1196.67	13.95
	2007-08	11592.26	20413.28	1464.21	13.33
	2008-09	12774.41	22961.17	1623.95	13.57
	2009-10	12183.16	24578.11	1492.56	15.69
	2010-11	13667.82	26766.64	1569.88	16.26
	2011-12	17560.20	31252.97	2694.20	11.08
	2012-13	21030.03	35731.08	2567.39	13.23
West Bengal	2003-04	10738.09	16240.63	1614.71	9.63
	2004-05	11384.58	16959.13	1408.15	11.70
	2005-06	12848.29	18184.70	1704.21	10.16
	2006-07	13395.90	18551.38	1873.23	9.44
	2007-08	14653.71	21754.80	1905.27	11.12
	2008-09	15966.50	21479.37	2733.76	7.68
	2009-10	17457.63	24516.36	2197.51	10.94
	2010-11	21519.70	30432.66	2198.38	13.38
	2011-12	21378.51	30890.25	2690.99	11.21
	2012-13	26535.23	37919.52	2835.08	13.00
Uttarakhand	2003-04	7127.24	10898.03	1522.11	6.38
	2004-05	8798.15	11818.74	1964.46	5.19
	2007-08	5585.05	14661.04	1197.72	11.20
Sesame					
Gujarat	2003-04	6482.96	8867.68	1899.56	4.62
	2004-05	6782.21	8932.97	2895.16	3.07
	2005-06	8083.94	10868.23	2408.43	4.47
	2006-07	7282.54	8876.68	3793.81	2.31
	2007-08	8493.78	11327.97	2900.60	3.84
	2008-09	13571.30	18977.94	4488.99	4.19
	2009-10	12096.79	17574.80	5571.20	3.13
	2010-11	13988.79	18224.51	4748.47	3.80
	2011-12	19794.46	25854.44	4737.65	5.36
	2012-13	16057.56	21722.09	5485.29	3.91

Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
Madhya Pradesh	2003-04	4416.28	6670.53	2017.90	3.24
	2004-05	4743.28	7046.41	2507.90	2.74
	2005-06	3799.04	6188.24	3525.75	1.71
	2006-07	5921.04	9164.15	2369.23	3.77
	2007-08	7018.81	11368.15	2320.78	4.75
	2008-09				
	2009-10				
	2010-11				
	2011-12	13354.15	20202.67	4143.52	4.73
	2012-13	12877.97	24034.90	4162.66	5.63
Odisha	2003-04	4819.46	6835.25	2760.85	2.37
	2004-05	4483.36	6687.16	2805.39	2.28
	2005-06	5062.10	7686.07	2164.61	3.41
	2006-07	6172.79	8951.82	2389.62	3.52
	2007-08	6826.94	9792.12	2957.35	3.16
	2008-09	6975.45	10664.60	2913.80	3.49
	2009-10	7398.10	12364.08	3702.29	3.24
	2010-11	9451.44	13725.93	4323.82	3.09
	2011-12	8719.60	12512.74	4479.63	2.72
	2012-13	9134.35	12859.94	5051.12	2.48
Rajasthan	2003-04	4471.68	6902.07	1843.59	3.66
	2004-05	4459.23	6814.34	2299.32	2.92
	2005-06	4241.16	6249.90	2895.76	2.12
	2006-07	4035.16	6419.41	2517.25	2.49
	2007-08	5433.67	8809.91	1903.53	4.53
	2008-09	5376.70	9384.38	3440.82	2.68
	2009-10	6459.91	10370.65	3787.65	2.64
	2010-11	6377.36	10192.24	3522.98	2.81
	2011-12	10186.74	15690.09	5926.98	2.54
	2012-13	10713.76	14718.32	6446.78	2.21
Tamil Nadu	2003-04	9214.67	15490.92	2654.94	5.80
	2004-05	7577.07	11543.17	2401.33	4.74
	2005-06	8101.40	12207.25	2639.60	4.57
	2006-07	9352.09	13673.30	2618.57	5.15
	2007-08	8912.04	13440.71	3096.38	4.28

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Crop/State	Year	Cost of Cultivation (/ha.)		Cost of Production C2 (/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
	2008-09	10148.14	16588.18	4020.87	4.12
	2009-10	12553.30	20120.44	4051.90	4.95
	2010-11	13024.11	19423.61	4085.44	4.73
	2011-12	20940.59	30069.76	4002.39	7.49
	2012-13	22132.91	30317.96	6134.76	4.89
Uttar Pradesh	2003-04	3182.50	5742.51	2154.86	2.41
	2004-05	3059.68	5257.30	1388.14	3.63
West Bengal	2005-06	8838.66	13635.56	1210.32	10.92
	2006-07	9755.46	13497.63	1600.42	8.14
	2007-08	10365.39	14183.75	1855.85	7.32
	2008-09	12829.26	19013.29	2021.12	8.93
	2009-10	13003.78	18887.52	2403.49	7.56
	2010-11	16128.40	23381.05	2736.08	8.27
	2011-12	21367.08	28190.10	2924.59	9.37
	2012-13	21794.57	28699.33	3364.59	8.28
Niger seed					
Madhya Pradesh	2005-06	3046.48	4725.67	1223.68	3.65
	2007-08	2966.01	5311.66	1699.68	3.04
Odisha	2003-04	4140.05	5814.25	1705.11	3.37
	2004-05	4087.57	5620.15	1869.74	2.96
	2005-06	4942.53	5559.19	2123.05	2.60
	2006-07	4124.21	5740.78	2572.90	2.20
	2007-08	5313.31	6113.36	2235.61	2.72
Odisha	2008-09	5464.63	8191.07	2802.99	2.90
	2009-10	6029.14	9385.87	2962.70	3.15
	2010-11	6880.23	10234.10	3168.86	3.21
	2011-12	10619.86	13951.74	3028.76	4.54
	2012-13	11395.01	16963.23	3219.05	5.22
Safflower					
Karnataka	2005-06	4342.28	6708.01	1065.45	6.11
	2007-08	5221.04	8087.52	1300.71	6.13
	2008-09	5680.23	9231.53	1437.14	6.41
	2009-10	5512.60	8221.87	1981.11	4.10
	2010-11	6443.38	8748.94	2477.07	3.48

Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
Maharashtra	2003-04	5939.35	7576.60	2572.38	2.95
	2004-05	3184.03	5174.82	1030.69	5.02
	2005-06	5714.95	7822.56	1605.91	4.87
	2006-07	7246.43	9753.88	1298.23	7.51
	2007-08	8965.40	12160.27	2169.62	5.60
	2008-09	9779.61	14381.98	1865.36	7.69
	2009-10	12161.56	15926.66	2943.40	5.39
	2010-11	11834.06	16883.08	2043.18	8.26
	2011-12	15176.87	21108.12	2073.49	10.00
	2012-13	15176.87	21108.12	2073.49	10.00
Cotton					
Andhra Pradesh	2003-04	20364.36	36202.37	1720.17	21.01
	2004-05	21183.39	32735.15	1810.16	18.05
	2005-06	19075.09	27625.34	2227.20	12.40
	2006-07	23354.12	34998.80	1598.16	21.77
	2007-08	26856.97	40307.67	1708.99	23.55
	2008-09	29140.78	44756.72	2509.99	17.83
	2009-10	27204.15	42919.36	2406.53	17.83
	2010-11	28861.62	49401.41	3305.52	14.94
	2011-12	38772.50	61659.49	3558.80	17.32
	2012-13	50948.24	70609.51	4088.93	17.27
Gujarat	2003-04	16079.24	23395.87	1566.88	14.75
	2004-05	17570.35	23586.30	1501.24	15.45
	2005-06	22852.70	31437.07	1594.55	19.33
	2006-07	19478.74	27184.11	1708.81	15.54
	2007-08	20708.96	29107.74	1716.67	16.68
	2008-09	29616.10	42106.84	2181.51	19.05
	2009-10	29559.06	44333.49	2332.12	18.74
Gujarat	2010-11	34552.00	54089.07	2431.06	22.01
	2011-12	41468.38	58387.77	3287.41	17.48
	2012-13	41873.40	54769.45	4346.97	12.37
Haryana	2003-04	15331.62	24168.98	2008.12	11.76
	2004-05	17571.13	27288.54	1478.86	18.04
	2005-06	17708.31	26738.08	2166.09	11.90
	2006-07	20068.87	29779.09	1923.64	14.99

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Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
	2007-08	22592.11	34877.09	1875.80	18.09
	2008-09	29918.97	44018.18	2127.35	19.90
	2009-10	31895.29	48920.33	2413.61	19.65
	2010-11	29345.24	29345.24	2800.54	16.26
	2011-12	38803.42	62329.97	3229.48	18.64
	2012-13	43798.59	67129.55	3795.99	16.87
Karnataka	2003-04	6326.50	9520.06	1910.61	4.87
	2004-05	8181.70	11631.02	1518.88	7.49
	2005-06	9084.33	12483.63	2071.34	5.84
	2006-07	11267.08	16482.75	1946.96	8.24
	2007-08	11344.22	18624.08	1676.92	10.77
	2008-09	15942.69	22239.46	2233.26	9.61
	2009-10	15994.78	24811.57	2568.20	9.46
	2010-11	22087.89	36216.84	2939.09	12.10
	2011-12	29807.88	45076.61	2994.06	14.75
	2012-13	30017.63	44434.84	3575.13	12.19
Madhya Pradesh	2003-04	13297.24	18663.88	2580.92	6.98
	2004-05	16289.74	20714.67	2545.57	7.56
	2005-06	20620.42	33780.98	1959.11	16.32
	2006-07	19304.30	28994.12	2321.29	11.90
	2007-08	18219.31	28321.56	2035.18	13.44
	2008-09	17027.27	29570.49	1757.63	16.06
	2009-10	16011.14	27374.83	2013.80	12.99
	2010-11	17976.33	35786.99	2390.65	14.36
	2011-12	22993.93	42289.34	2483.70	16.34
	2012-13	24778.36	41431.84	2641.99	14.95
Maharashtra	2003-04	15140.14	20989.96	2152.45	9.58
	2004-05	16225.56	21179.58	2112.60	9.72
	2005-06	16017.87	20793.82	2137.15	9.33
	2006-07	16780.76	21669.23	2051.94	10.24
	2007-08	18677.86	24398.91	2010.50	11.82
	2008-09	23711.44	33116.82	2539.47	12.69
Maharashtra	2009-10	26407.55	35822.07	2671.66	13.19
	2010-11	38359.30	52748.59	3614.43	14.40
	2011-12	45743.38	61907.49	3985.05	15.34

Crop/State	Year	Cost of Cultivation (₹/ha.)		Cost of Production C2 (₹/qtl.)	Yield (qtl./ha.)
		A2+FL	C2		
1	2	3	4	5	6
	2012-13	54030.38	71079.73	4120.27	16.91
Punjab	2003-04	23206.29	33233.46	2140.28	15.08
	2004-05	23646.01	34070.90	1600.74	20.75
	2005-06	20209.59	33849.46	1606.12	20.37
	2006-07	22358.93	36865.64	1630.07	21.45
	2007-08	23934.84	40490.82	1826.48	21.08
	2008-09	29047.10	50828.83	2003.76	24.39
	2009-10	30055.90	53071.62	2354.00	21.37
	2010-11	31178.78	31178.78	31178.78	19.30
	2011-12	41380.69	66697.56	3759.44	16.90
	2012-13	46363.90	73475.32	3744.83	18.59
Rajasthan	2003-04	11195.86	17410.09	1674.02	10.19
	2004-05	11380.07	17686.72	1335.65	12.96
	2005-06	11591.87	17594.12	1295.69	13.06
	2006-07	14962.85	21381.19	1211.30	16.95
	2007-08	16295.65	24481.97	1448.93	16.51
	2008-09	16649.91	25375.16	1915.73	12.79
	2009-10	23041.31	36416.60	36416.60	18.82
	2010-11	25194.76	44005.58	1958.13	21.59
	2011-12	35821.17	56097.36	2493.35	21.51
	2012-13	39615.01	58006.39	2712.57	20.31
Tamil Nadu	2003-04	23682.40	34385.73	2490.93	13.70
	2004-05	20595.02	27559.95	2274.28	11.95
	2005-06	20530.55	28815.10	2708.65	10.55
	2006-07	21923.71	29421.67	1958.48	14.79
	2007-08	20738.71	26881.47	2231.17	11.89
	2008-09	34128.96	42145.21	2015.38	20.62
	2009-10	36849.59	47959.62	2575.26	18.45
	2010-11	42390.85	56747.52	2853.51	19.85
	2011-12	47880.76	61318.90	4219.21	14.41
	2012-13	56281.41	72920.55	4493.82	16.19

Cost A2+FI=Cost A2+imputed value of Family Labour

Cost 2=Cost A1+rent paid for leased-in land.

Cost A1=All actual expenses in cash and kind incurred in production by owner.

Cost C2=Cost B2+imputed value of Family Labour.

Cost B2=Cost B1+rental value of owned land (net of land revenue).

Cost B1=Cost A1+interest on value of owned capital assets (excluding land)

20.5 Marketed Surplus Ratio (MSR) of Important Oilseed Crops in Various States Based on Comprehensive Scheme for Studying Cost of Cultivation of Principal Crops in India

Crop	State	2000-01	2001-02	2003-04	2004-05	2005-06	2006-07
Groundnut	Andhra Pradesh	83.5	66.6	69.43	87.16	84.04	94.13
	Gujarat	95.9	93	95.15	92.34	90.13	94.82
	Karnataka	93.8	81.8	93.73	96.55	65.77	85.35*
	Maharashtra	72.4	84.7	81.91	54.69	61.06	75.09
	Tamil Nadu	63.7	63.7	92.53	95.87	96.61	94.02
	All-India Weighted Average*	81.3	80.1	90.44	90.03	85.88	91.60*
Rapeseed & Mustard	Gujarat	99.9	99.9	97.34	99.46	100.00	95.67
	Haryana	94.3	90.4	97.08	97.6	93.48	87.64
	Madhya Pradesh	76.4	90	80.8	65.98	68.01	71.60*
	Rajasthan	91.9	83.1	92.88	97.5	88.43	93.85
	Uttar Pradesh	36.1	38.8	44.43	69.55	41.92	73.68
	West Bengal	59.3	63.4	89.29	67.18	51.87	76.45
	All-India Weighted Average*	73.9	76.5	86.02	89.02	80.20	87.72
Soyabean	Madhya Pradesh	86.1	94.2	89.88	92.47	90.45	95.15
	Maharashtra	100	100	97.51	99.99	100.00	96.85
	All-India Weighted Average*	89.8	95.8	92.32	94.88	93.89	95.79
Sunflower	Andhra Pradesh	100	100	96.46	100	...	98.23*
	Karnataka	97.9	100	98.86	98.4	100.00	99.09*
	Maharashtra	98.9	80.7	93.15	95.15	96.60	90.57
	All-India Weighted Average*	98.8	96	97.18	98.58	76.86	97.18*
Sesame	Gujarat	98.7	97.8	96.54	98.07	100.00	97.54
	Madhya Pradesh	71.4	85.9	86.7	84.08	70.54	98.94
	Odisha	77.1	79.5	75.04	74.14	51.93	71.05
	Rajasthan	16.8	69.6	83.5	81.14	82.20	82.98
	All-India Weighted Average*	77	88.4	90.93	90.74	87.48	91.28
Safflower	Karnataka	79.4	83.1	100	94.36	98.22	46.67
	Maharashtra	100	80.4	99.56	90.04	...	94.80*
	All-India Weighted Average*	92.4	81.4	99.71	91.22	98.22	82.03
Niger seed	Madhya Pradesh	100	100	100	100	100.00	82.14
	Odisha	73.3	95.2	94.17	94.23	87.66	67.86
	All-India Weighted Average*	83.1	97.1	96.77	96.81	95.52	73.58

Crop	State	2000-01	2001-02	2003-04	2004-05	2005-06	2006-07
Cotton	Gujarat	100	99.7	96.77	96.42	100.00	97.73*
	Haryana	42.6	42.6	97.45	89.06	80.44	85.41
	Karnataka	98.8	89.3	100	95.4	100.00	100.00
	Madhya Pradesh	99.8	99.3	100	100	93.38	100.00
	Rajasthan	100	99.5	99.55	97.17	100	97.57
	All-India Weighted Average*	81.9	86.9	97.63	95.08	96.91	96.23

Crop	State	2007-08	2008-09	2009-10	2010-11	2011-2012	2012-13
Groundnut	Andhra Pradesh	88.60	93.17	93.58	96.82	79.24	94.40
	Gujarat	90.08	94.49	97.52	95.91	95.97	99.81
	Karnataka	82.56	89.72	85.88	92.70	95.36	84.81
	Maharashtra	71.95	59.48	62.30	54.75	58.79	75.71
	Tamil Nadu	95.72	94.86	99.42	98.49	95.14	97.14
	All-India Weighted Average*	88.61	91.76	92.90	93.36	90.78	93.54
Rapeseed & Mustard	Gujarat	98.78	89.01	91.27	96.07	98.87	95.40
	Haryana	96.10	92.41	94.77	99.44	79.48	93.64
	Madhya Pradesh	99.02	92.78	97.38	82.03	89.51	97.49
	Rajasthan	98.65	91.24	86.51	77.12	87.54	94.60
	Uttar Pradesh	88.53	80.58	79.97	80.31	53.47	68.49
	West Bengal	82.08	79.96	65.85	87.40	67.71	71.26
	All-India Weighted Average*	95.44	89.37	87.21	82.14	82.08	90.41
Soyabean	Madhya Pradesh	96.44	91.39	95.87	95.69	94.41	95.32
	Maharashtra	96.21	47.28	80.12	-	-	-
	All-India Weighted Average*	96.35	77.26	91.84	95.69	94.41	95.32
Sunflower	Andhra Pradesh	100.00	-	100.00	100.00	-	100.00
	Karnataka	97.72	98.94	99.03	99.12	100.00	98.76
	Maharashtra	85.02	94.25	100.00	100.0	91.23	100.00
	All-India Weighted Average*	96.44	65.18	99.57	99.58	65.62	99.18
Sesame	Gujarat	96.60	98.42	98.28	99.33	99.51	99.04
	Madhya Pradesh	88.15	99.18	90.49	92.75	92.93	96.77
	Odisha	85.25	56.56	70.95	70.90	89.91	-
	Rajasthan	72.74	67.82	98.16	68.49	88.02	80.06
	All-India Weighted Average*	85.89	83.66	94.73	83.18	92.79	89.00

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Crop	State	2007-08	2008-09	2009-10	2010-11	2011-2012	2012-13
Safflower	Karnataka	100.00	72.65	73.11	55.12	-	-
	Maharashtra	-	-	-	-	-	-
	All-India Weighted Average*	100.00	72.65	73.11	55.12	-	-
Niger seed	Madhya Pradesh	95.12	98.04	91.77	60.61	-	-
	Odisha	98.54	92.00	86.13	97.33	94.67	97.67
	All-India Weighted Average*	97.13	94.51	88.60	83.66	94.67	97.67
Cotton	Gujarat	97.77	99.53	98.57	99.88	99.33	99.68
	Haryana	85.59	89.21	87.64	99.40	96.88	99.05
	Karnataka	100.00	99.44	97.64	99.30	99.10	97.74
	Madhya Pradesh	100.00	99.46	99.82	100.00	100.00	99.96
	Rajasthan	96.33	97.97	79.12	100.00	89.56	99.01
	All-India Weighted Average*	96.15	97.72	95.63	99.79	98.36	99.41

Notes: *All-India Weighted Average refers to weighted average of states listed above, weights being the proportion of production.

** Bold and Underlined figures are estimated on the basis of average of MSR for preceding/succeeding year(s)

*Current figures are estimated on the basis average of three years

Source: Agricultural Statistics at A Glance 2004, 2006, 2008, 2009

21. PRICES

21.1 Minimum Support Prices for Oilseeds

Minimum Support Price (₹ per quintal) for Fair Average Quality (FAQ)

Crop year	Groundnut in Shell	Rapeseed	Toria	Soybean (Yellow)	Soybean (Black)	Sunflower	Safflower	Sesame	Niger
1981-82	270	...	...	230	210	250	...	...	...
1982-83	295	355	...	245	220	250	...	...	...
1983-84	315	360	...	255	230	275	...	...	...
1984-85	340	385	...	265	240	325	...	...	...
1985-86	350	400	...	275	250	335	400	...	...
1986-87	370	415	360	290	255	350	415	...	...
1987-88	390	430	375	300	260	390	415	...	...
1988-89	430	460	400	320	275	450	440	...	...
1889-90	500	575	430	370	325	530	490	...	...
1990-91	580	600	545	400	350	600	575	...	...
1991-92	645	670	645	445	395	670	640	...	...
1992-93	750	760	725	525	475	800	720	...	...
1993-94	800	810	780	580	525	850	760	...	...
1994-95	860	830	800	650	570	900	780	...	...
1995-96	900	860	825	680	600	950	800	850	700
1996-97	920	890	855	700	620	960	830	870	720
1997-98	980	940	905	750	670	1000	910	950	800
1998-99	1040	1000	965	795	705	1060	990	1060	850
1999-00	1155	1100	1065	845	755	1155	990	1205	915
2000-01	1220	1200	1165	865	775	1170	1100	1300	1025
2001-02	1340	1300	1265	885	795	1185	1200	1440	1100
2002-03	1375	1340	1305	895	805	1210	1305	1455	1120
2003-04	1400	1600	1565	930	840	1250	1500	1485	1155
2004-05	1500	1700	1665	1000	900	1340	1550	1500	1180
2005-06	1520	1715	1680	1010	900	1500	1565	1550	1200
2006-07	1520	1715	1680	1020	900	1500	1565	1560	1220
2007-08	1550	1800	1735	1050	910	1510	1650	1580	1240
2008-09	2100	1830	1735	1390	1350	2215	1650	2750	2405
2009-10	2100	1830	1735	1390	1350	2215	1680	2850	2405
2010-11	2300	1850	1780	1440	1400	2350	1800	2900	2450
2011-12	2700	2500	2425	1690	1650	2800	2500	3400	2900
2012-13	3700	3000	2970	2240	2200	3700	2800	4200	3500
2013-14	4000	3050	3020	2560	2500	3700	3000	4500	3500
2014-15	4000	3100	3020	2560	2500	3750	3050	4600	3600
2015-16#	4030.00	....	...	2600.00	2600.00	3800.00	....	....	....

Source: Issues of Economic Survey, Govt., of India and Commissioner for Agricultural Costs and Prices; # 2015-16 RBI Statistical year book

21.2 State wise Value of Output of Total Oilseeds (At 2004-05 Prices)

(₹ Lakhs)

State/U.Ts.	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Andhra Pradesh	446550	398744	300958	655748	324835	316848	398217
Arunachal Pradesh	4269	3842	4764	4294	4996	5129	4767
Assam	40115	30920	32240	32496	32643	35839	38263
Bihar	17379	20323	21485	21750	21570	222981	23348
Chattisgarh	23316	23777	27986	31401	30038	31582	34728
Goa	9000	9574	9051	9543	9803	9818	9865
Gujarat	516748	840687	807773	830552	687466	534836	907194
Haryana	136694	134940	135014	104938	149025	140922	157986
Himachal Pradesh	2587	2065	2934	2532	1849	1489	2934
Jammu & Kashmir	185	477	7493	5768	8754	8776	9348
Jarkhand	9267	8015	12418	12975	12650	14142	19633
Karnataka	311368	318967	229681	301803	262407	294675	406761
Kerala	355600	374972	358878	334355	343784	335714	313315
Madhya Pradesh	729003	895486	865450	935508	1053518	1138759	1133237
Maharashtra	404426	494642	534513	690211	364260	405387	706653
Manipur	315	185	274	174	90	178	1226
Meghalaya	753	777	766	773	803	819	800
Mizoram	1057	1078	802	175	523	639	808
Nagaland	7576	7709	9414	8306	10708	13982	10033
Orissa	51428	53590	51442	55725	53588	54440	57775
Punjab	17642	15732	16002	16206	14055	18376	16946
Rajasthan	891178	939824	823082	676020	840070	705084	1006190
Sikkim	1966	2051	1879	1953	2003	2100	1965
Tamil Nadu	305729	346879	359083	371169	350036	341221	353746
Tripura	778	828	965	866	1307	1311	1538
Uttar Pradesh	181857	206963	192735	188217	200365	211142	249649
Uttarakhand	5572	4493	3100	3380	3079	4001	3749
West Bengal	114969	127043	132482	142620	121861	147380	143484
A & N Islands	4364	3927	4454	4034	4102	4256	4757
Dadra & Nagar Haveli	12	12	12	12	12	12	12
Chandigarh	3	3	3	3	3	3	3
Delhi	1059	898	893	882	884	863	233
Lakshadweep	2701	2701	2701	2701	2701	2039	2039
Puducherry	2878	6527	6329	2387	2727	2618	2063
Total	4605343	5278649	4957057	5449477	4916514	4807362	6023265

Source: CSO, Min. of Statistics and Programme Implementation, GOI.

21.3 Farm Harvest Prices of Oilseed Crops

('per quintal)

State	Year	Groundnut	Rape-Mustard	Sesamum	Linseed	Castor	Toria
Andhra Pradesh	1970-71	131	...	194	130	137	...
	1980-81	338	...	387	...	277	...
	1988-89	525	...	718	...	566	...
	1889-90	651	...	860	...	567	...
	1990-91	878	...	977	...	545	...
	1991-92	950	...	1135	...	654	...
	1992-93	804	...	1049	...	638	...
	1993-94	935	...	1132	...	835	...
	1994-95	1066	...	1316	...	843	...
	1995-96	1116	...	1473	...	912	...
	1996-97	1147	...	1452	...	1022	...
	1997-98	1179	...	1330	...	1072	...
	1998-99	1309	...	1834	...	1320	...
	1999-00	1238	...	1731	...	1206	...
	2000-01	1189	...	1425	...	1028	...
	2001-02	1252	...	1523	...	942	...
	2002-03	1625	...	1786	...	1285	...
	2003-04	1599	...	1852	...	1373	...
	2004-05	1600	...	2238	...	1505	...
	2005-06	1516	...	2027	...	1252	...
2006-07	1957	...	2168	...	1524	...	
2007-08	2137	...	2679	...	1825	...	
2008-09	2332	...	3500	...	2617	...	
2009-10	2658	...	3626	...	2371	...	
2010-11	8971	...	3487	...	3188	...	
State	Year	Groundnut	Rape-Mustard	Sesamum	Linseed	Castor	Toria
Assam	1970-71	...	168	...	...	...	...
	1980-81	...	403	490	...	...	...
	1988-89	...	528	771	...	...	...
	1889-90	...	646	920	...	...	...
	1990-91	...	895	1324	...	...	...
	1991-92	...	824	1513	...	...	...
	1992-93	...	768	1064	...	...	...
	1993-94	...	830	1190	...	...	...
	1994-95	...	1187	1503	1171	700	...
	1995-96	...	1179	1784	1575	700	...
	1996-97	...	1190	2022	2000	700	...
	1997-98	...	1405	1968	1146	700	....
	1998-99	...	1464	2132	1088	775	...
	1999-00	...	1210	2117	2650	2792	...
	2000-01	...	1281	2043	1399	2844	...
	2001-02	...	1293	1837	1426	2844	...
	2002-03	...	1397	1745	1712	2844	...
2003-04	...	1741	1983	1573	2844*	...	
2004-05	...	1864	2561	1725		...	
2005-06	...	1739	3023	2281	2800	...	
2006-07	...	1954	2675	1984	3083	2093	
2007-08	...	1862	3371	2016	6007	2450	

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State	Year	Groundnut	Rape-Mustard	Sesamum	Linseed	Castor	Toria
Assam	2008-09	...	2208	5160	2168	6228	3305
	2009-10	...	2372	...	2278	7394	3087
	2010-11	...	2476	5854	2358	7399	3096
State	Year	Groundnut	Rape-Mustard	Sesamum	Linseed	Castor	Toria
Bihar	1970-71	123	168	186A	131	110	...
	1980-81	...	397	402	285	228	...
	1988-89	...	715	716	569	451	...
	1889-90	...	659	703	589	466	...
	1990-91	...	863	1048	760	722	...
	1991-92	...	893	1228	788	..	...
	1992-93	...	...	1144	...	..	...
	1993-94	...	946	942	879	657	...
	1994-95	...	1064	1099	1004	717	...
	1995-96	...	1082	1279	1063	825	...
	1996-97	...	1137	1288	1130	950	...
	1997-98	...	1149	1476	1628	983	...
	1998-99	...	1219	1577	1224	982	...
	1999-00	...	1257	1520	1196	983	...
	2000-01	...	1369	1792	1254	1100	...
	2001-02	1430	1300	1748	1229	...	...
	2002-03	...	1426	1746	1334	...	...
	2003-04	...	1516	1931	1398	...	...
	2004-05	...	1607	1769	1420	...	...
	2005-06	...	1701	1762	1616	...	...
2006-07	1503	1744	2082	1738	1167	...	
2007-08	2105	1987	2035 (k) 2527 (r)	1864	...	...
2008-09	2227	2065	1988 (k) 3215 (r)	2148	...	...
2009-10	...	2450	3345 (k) 4584 (r)	2169	...	...
2010-11	...	2641	3589	2172	...	...

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Niger	Soybean	Sunflower
Chhattisgarh	2000-01	1396	1429	1902	1758	...	...	...	...
	2001-02	1488	1561	1956	1539	...	1238	...	...
	2002-03	1701	1982	2053	1830	...	1453	1150	...
	2003-04	...	...	...	...	...	...	...	...
	2004-05	1732	1709	2680	1670	440	...	...	...
	2005-06	2038	1675	2919	1690	...	1499	828	1401
	2006-07	2103	2038	2911	1881	...	1751	1505	1512
	2007-08	2385	2530	3419(k) 4256(r)	2594	...	2429	1712	...
	2008-09	2396	2907	4278(k) 4773(r)	2792	...	2898	1844	2082
	2009-10	3192	2776	5186(k) 4919(r)	2823	...	3863	2407	1660
2010-11	3009	3453	5711(k) 5348(r)	2443	...	2871	2880	...	

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Gujarat	1970-71	141	152	212	...	134	...
	1980-81	362	424	521	...	253	...
	1988-89	591	536	850	...	630	...
	1889-90	778	680	1123	...	570	...
	1990-91	960	768	1491	...	528	...
	1991-92	1060	893	1492	...	687	...
	1992-93	999	901	1447	...	815	...
	1993-94	1112	960	1632	...	949	...
	1994-95	1189	1072	2105	...	942	...
	1995-96	1326	1163	2765	...	975	...
	1996-97	1266	1024	1792	...	1030	...
	1997-98	1369	1312	1732	...	1195	...
	1998-99	1360	1226	2352	...	1455	...
	1999-00	1344	1159	2249	...	1382	...
	2000-01	1339	1287	2101	...	1259	...
	2001-02	1338	1135	1859	...	1233	...
	2002-03	1582	1406	2585	...	1538	...
	2003-04	1661	1547	2728	...	1583	...
	2004-05	1682	1388	3197	...	1537	...
	2005-06	1550	1521	3062	...	1463	...
	2006-07	1627	1608	2687	...	1034	...
	2007-08	2055	2305	4611	...	2188	...
	2008-09	2345	2199	6337	...	2188	...
	2009-10	2555	2163	4869	...	2474	...
	2010-11	2899	2302	4927	...	3819	...

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Sunflower	Toria
Haryana	1970-71	135	136R	186	17...0	...	...
	1980-81	303	368	518	450...	...	...
	1988-89	632	643	1213	467	...	...
	1889-90	768	810	978	800	...	...
	1990-91	721	927	965	877	...	...
	1991-92	882	930	1246	787	...	...
	1992-93	1040	945	1275	...	...	...
	1993-94	1135	1031	1300
	1994-95	1395	1180	1410
	1995-96	1395	..	1410
	1996-97	1538	1153	1700

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State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Sunflower	Toria
Haryana	1997-98	1775	1553	1978	995
	1998-99	1518	1248	3433	...	...	...
	1999-00	1500	1226	3010	...	...	990
	2000-01	2350	1292	1660	...	...	1000
	2001-02	1233	1341	1929	...	...	...
	2002-03	1374	1502	2038	...	...	1760
	2003-04	1291	1475	2060	...	...	1250
	2004-05	1747	1594	1941	...	1000	1250
	2005-06	2590	1754	1931	...	...	...
	2006-07	2043	1786	1779	...	...	...
	2007-08	2230	2238	2200	...	2325	...
	2008-09	2257	2275	2962	...	2619	...
	2009-10	2819	2283	4509	...	2961	...
	2010-11	4123	2544	5395	...	...	...

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Soybean
Himachal Pradesh	1970-71	126	152	243	130	...	...
	1980-81	409	460R, 450M	461	384	...	...
	1988-89	963	890A	1208	804	...	...
	1889-90	902	1055M	1153	980	...	...
	1990-91	1017	1184	1353	1055	...	...
	1991-92	1583	1355	1460	1142	...	...
	1992-93	1458	1387	1446	1443	...	...
	1993-94	1640	1468	1979	...	...	...
	1994-95	1927	1457	2368	1313	...	...
	1995-96	1940	1465	2250	1510	...	...
	1996-97	1933	1558	2238	1914	...	...
	1997-98	1900	1890	2379	1617	...	...
	1998-99	1850	1904	3007	2003	...	...
	1999-00	1983	1887	3271	2123	...	...
	2000-01	2250	1862	3278	2040	...	...
	2001-02	2365	1970	3325	2130	...	...
	2002-03	2372	2034	3412	2268	...	...
	2003-04	2740	2105	3360	2435	...	...
	2004-05	2583	2318	3857	2327	...	...
	2005-06	2775	2619	3937	2905	...	...
2006-07	2317	2656	3734	2780	...	2091	
2007-08	3650	3464	4066	3808	...	2543	
2008-09	3644	3559	5659	3892	...	3504	
2009-10	4778	4023	6936	4740	...	4806	
2010-11	5275	4416	6960	4861	...	5742	

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Jammu & Kashmir	1970-71	...	161	186	179	...	...
	1980-81	225	384	540	391	...	...
	1988-89	652	530	757	892	...	...
	1889-90	752	658	860	639	...	...
	1990-91	800	744	1000	737	...	...
	1991-92	800	1158	1361	845	...	...
	1992-93	1456	1663	1427	1454	...	...
	1993-94	1161	1901	1410	1550	...	...
	1994-95	1140	1838	1250	1513	...	...
	1995-96	1302	1907	1584	1803	...	...
	1996-97	1305	1898	1626	1756	...	...
	1997-98	1350	1906	1768	1926	...	...
	1998-99	2000	1856	1794	1708	...	...
	1999-00	2500	1258	2117	1843	...	...
	2000-01	2500	1370	2209	1856	...	...
	2001-02	2000	1314	1273	1704	...	...
	2002-03	2300	1542	1132	2007	...	...
	2003-04	2740	1824	1855	2467	...	...
	2004-05	2500	1887	1420	2657	...	...
	2005-06	3000	2007	2510	2613	...	...
	2006-07	3200	2447	3434	2816	...	...
	2007-08	3200	2240	3155	3301	...	..
	2008-09	4000	2852	5483	3097	...	...
	2009-10	4000	3459	4866	3189	...	...
	2010-11	4000	3823	6311	4351	...	...

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Soybean	Sunflower
Karnataka	1970-71	138	169	197	144	116	...	...
	1980-81	320	432	435	348	272	...	...
	1988-89	508	593	767	592	552	...	...
	1889-90	623	525	984	638	542	...	...
	1990-91	913	604	1301	979	579	...	...
	1991-92	1000	1030	1410	944	640	...	...
	1992-93	834	1200	1207	833	638	...	...
	1993-94	906	1228	1264	932	807	...	...
	1994-95	1015	1105	1600	1081	851
	1995-96	1093	..	1920	1152	889
	1996-97	1167		1661	1133	966

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State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Soybean	Sunflower
Karnataka	1997-98	1132	...	1568	1257	1112	...	
	1998-99	1253	...	1985	...	1239	...	1224
	1999-00	1153	...	2066		1237	...	1064
	2000-01	1106	...	1666	1160	1236	...	1027
	2001-02	1181	...	1816	1155	1271	...	1319
	2002-03	1501	...	2153	...	1313	...	1512
	2003-04	1274	...	2305	...	...	...	1179
	2004-05	1356	...	...	...	1152		1501
	2005-06	1436	...	2251	...	1180	...	1433(k) 1100(r)
	2006-07	1266	...	2453	...	1602	...	1926
	2007-08	2304	...	...	...	...	...	2601
	2008-09	2172(k) 2164(r)	...	4753	...	2508	1734	2244(k) 1975(r)
	2009-10	2329(k) 2379(r)	...	4004	...	2375	2098	2226(k) 2086(r)
	2010-11	2860(k) 3285(r)	...	4119	...	2570	1889	2600(k) 2750(r)

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Niger	Soybean
Madhya Pradesh	1970-71	142	154	202	142	129	...	...
	1980-81	339	417	459	410	268	...	...
	1988-89	553	560	756	648	531	...	...
	1889-90	635	658	851	747	534	...	...
	1990-91	916	900	1199	955	494	...	...
	1991-92	1160	873	1398	1020	649	...	...
	1992-93	926	833	1166	883	611	...	...
	1993-94	987	1016	1253	1009	857	...	...
	1994-95	1209	1195	1560	1132	871	...	...
	1995-96	1311	1071	2039	1299	840	...	...
	1996-97	1253	1239	1663	1250	883	...	...
	1997-98	1196	1311	1527	1357	1034	...	...
	1998-99	1378	1417	2178	1377	1140	...	843
	1999-00	1282	1159	1774	1569	1291	...	860
	2000-01	1369	1212	1756	1336	1000	...	970
	2001-02	1280	1170	1701	1393	1223	1321	961
	2002-03	1477	1575	2234	1694	1618	2014	1311
	2003-04	1547	1776	2537	1600	...	1606	1472
	2004-05	1435	1420	2872	1636	1400	1664	1217

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Niger	Soybean
Madhya Pradesh	2005-06	1541	1494	2378	1670	1184	1337	1199
	2006-07	1823	1718	3191	1954	1715	2623	1283
	2007-08	2262	2612	4286	2563	1550	2796	1958
	2008-09	2178	2104	4620(k) 4800(r)	2742	...	3559	1903
	2009-10	2316	2100	5683(k) 6000(r)	2667	2271	2726	2180
	2010-11	2734	2292	4633(k) 5648(r)	2783	3375	2385	2163

State	Year	Groundnut	Soybean	Sesamum	Linseed	Castor	Sunflower
Maharashtra	1970-71	158	...	235	166	127	...
	1980-81	387	...	541	445	270	...
	1988-89	500	...	756	539	385	...
	1889-90	656	...	888	664	415	...
	1990-91	840	...	1155	757	467	...
	1991-92	1042	...	1434	884	530	...
	1992-93	952	...	1210	876	596	...
	1993-94	985	...	1340	857	623	...
	1994-95	1106	...	1655	907	815	...
	1995-96	1129	...	1698	918	812	...
	1996-97	1079	...	1715	939	811	...
	1997-98	1278	...	2090	1115	973	...
	1998-99	1235	...	1983	1406	980	...
	1999-00	1291	...	2159	1091	1007	...
	2000-01	1262	...	1994	1074	952	...
	2001-02	1269	...	1998	1102	953	...
	2002-03	1285	...	1985	1154	1055	...
	2003-04	1313	...	1974	1174	1029	...
	2004-05	1299	957	1982	1223	1035	1089
	2005-06	1299	1008	1965	1167	990	1150
	2006-07	1314	957	2153	1261	989	1286
	2007-08	1359	955	2000	1110	1039	1359
	2008-09	1709	1934	4451	2965	2079	2136
	2009-10	1794	2132	4934	3064	2156	2188
	2010-11	2427	1957	2575	2180

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State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Manipur	1970-71	...	143M
	1980-81	...	452	...	...	...	...
	1988-89	...	636	...	...	...	...
	1889-90	...	640	...	...	...	...
	1990-91	...	800	...	...	...	...
	1991-92	...	888	...	...	...	...
	1992-93	...	778	...	...	...	...
	1993-94	...	784	...	...	...	...
	1994-95	...	828	...	...	...	...
	1995-96	...	809	...	...	...	...
	1996-97	...	780	...	...	...	...
	1997-98	...	914	...	...	...	...
	1998-99	...	1285	...	...	...	...
	1999-00	...	843	...	...	...	...
	2000-01	...	...	...	...	...	...
	2001-02	...	...	...	...	...	...
	2002-03	...	1316	...	...	...	...
	2003-04	...	1396	...	...	...	...
	2004-05	...	1350	...	...	...	...
	2005-06	...	1375	...	...	...	...
2006-07	...	1400	...	...	...	...
2007-08	...	1500	...	...	...	...
2008-09	...	...	...	...	...	...
2009-10	...	...	...	...	...	...
2010-11	...	...	2100	...	...	...

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Soybean
Mizoram	1997-98	...	1460	1800	...	...	...
	1998-99	...	1000	2000	...	...	...
	1999-00	...	1000	2000	...	...	...
	2000-01	...	950	2000	...	...	...
	2001-02	...	1200	2068	...	...	...
	2002-03	...	903	1975	...	...	...
	2003-04	...	1369	1718	...	...	...
	2004-05	...	1125	2150	...	...	2283
	2005-06	...	1375	...	...	...	2219
	2006-07	...	963	2362	...	...	2242
	2007-08	...	1000	2544	...	...	2329
	2008-09	...	1204	2838	...	...	2646
	2009-10	...	1466	3007	...	...	3250
2010-11	...	...	1531	3125	...	...	3550

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Orissa	1997-98	1139	1284	1347	...	...	...
	1998-99	1234	1481	1413	...	...	...
	1999-00	1266	1474	1420	...	...	...
	2000-01	1244	1572	1426	...	...	...
	2001-02	1326	1565	1470	...	...	...
	2002-03	1570	1831	1591	...	...	...
	2003-04	1589	2006	1968	...	...	...
	2004-05	1576	2069	1953	...	...	...
	2005-06	1620	2092	1859	...	...	...
	2006-07	1711	2174	1925	...	...	...
	2007-08	1883	2396	2501	...	...	...
	2008-09	2339	2835	3012	...	...	...
	2009-10	2220	2908	3075	...	...	...
	2010-11	2274	3047	3048	...	...	...
State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Punjab	1970-71	131	150R, 156M	183	160	...	...
	1980-81	186	381R	523	445	...	...
	1988-89	567	596	802	631	...	...
	1889-90	753	977	896	742	...	...
	1990-91	774	985	882	855	...	...
	1991-92	858	903	697	948	...	...
	1992-93	1029	797	1185	1150	...	...
	1993-94	1144	1078	1259	1500	...	...
	1994-95	1372	1161	1369	1563	...	...
	1995-96	1416	1115	1485		...	...
	1996-97	1291	1058	1516	1776	...	925
	1997-98	1285	1237	1808	1667	...	914
	1998-99	1378	1361	1851	1750	...	987
	1999-00	1508	1180	1874	1705	...	997
	2000-01	1625	1185	1831	1783	...	1085
	2001-02	1394	1299	1943	1867	...	1220
	2002-03	1578	1442	2203	1800	...	1322
	2003-04	1702	1562	2465	1850	...	1495
	2004-05	1561	1530	2714	1850	..	1280
	2005-06	2004	1580	2720	1900	...	1284
2006-07	2036	1692	2794	3200	
2007-08	2069	1873	2724	
2008-09	2424	2370	3625	

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State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Punjab	2009-10	2929	2503	3850
	2010-11	2872	2693	3997	...	...	...
Rajasthan	1970-71	121	172	209	162	124	...
	1980-81	347	423	523	421	302	...
	1988-89	526	550	865	560	596	...
	1889-90	629	675	968	719	555	...
	1990-91	924	851	1296	846	496	...
	1991-92	1125	886	1488	920	651	...
	1992-93	922	861	1283	954	720	...
	1993-94	975	1012	1405	1040	880	...
	1994-95	1134	971	1710	1116	923	...
	1995-96	1290	1068	2102	1208	869	...
	1996-97	1290	1132	1780	1210	943	...
	1997-98	1081	1328	1661	1324	937	...
	1998-99	1365	1250	2332	1360	1136	...
	1999-00	1289	1224	2283	1236	1604	...
	2000-01	1358	1424	1728	1291	1091	...
	2001-02	1255	1284	1756	1412	1151	...
	2002-03	1550	1749	2222	1508	1641	...
	2003-04	1589	1872	2717	1733	1544	...
	2004-05	1662	1563	3085	1532	1593	...
	2005-06	1626	1499	2747	...	1458	...
2006-07	1955	1766	2927	1940	1800	...	
2007-08	2315	2451	3840	1952	2633	...	
2008-09	2154	2297	5551	2668	2281	...	
2009-10	2750	2305	5814	2656	2579	...	
2010-11	2586	2356	5091	2601	...	...
State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Soybean
Tamil Nadu	1991-92	758	..	1111	...	539	...
	1992-93	680	..	1097	...	609	...
	1993-94	834	..	1254	...	932	...
	1994-95	860	..	1325	...	849	...
	1995-96	913	..	1451	...	912	...
	1996-97	1116	..	1304	...	806	...
	1997-98	1027	..	1359	...	1049	...
	1998-99	1277	..	1934	...	1477	...
	1999-00	1124	..	1491	...	1441	...

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Tamil Nadu	2000-01	1115	..	1375	...	1046	...
	2001-02	1270	..	1638	...	1055	...
	2002-03	1560	...	2080	...	1213	...
	2003-04	1538	...	2120	...	1457	...
	2004-05	...	...	1948	...	1465	...
	2005-06	1642	...	2098	...	1416	...
	2006-07	1987	...	2197	...	1387	...
	2007-08	2595	...	3121	...	1910	...
	2008-09	2417	...	3764	...	2348	...
	2009-10	2878	...	3838	...	2665	...
	2010-11	3227	...	3880	...	3154	...
State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Soybean
Tripura	1970-71	...	162	161	...	...	...
	1980-81	...	468	491	...	...	...
	1988-89	...	676	875	...	...	...
	1889-90	...	683	877	...	...	...
	1990-91	...	704	884	...	...	...
	1991-92	...	775	964	...	...	...
	1992-93	...	805	1200	...	...	...
	1993-94	...	1010	1215	...	...	...
	1994-95	...	920	1525	...	...	...
	1995-96	...	1270	1525	...	...	...
	1996-97	...	1400	1550	...	...	...
	1997-98	...	1450	1550	...	...	...
	1998-99	...	1500	1550	...	...	...
	1999-00	...	1650	1725	...	...	...
	2000-01	...	1918	1800	...	...	...
	2001-02	...	2360	1887	...	...	...
	2002-03	...	2222	1838	...	...	...
	2003-04	...	...	1602	...	...	...
	2004-05	...	2300	1961	...	...	...
	2005-06	...	2279	1760	...	...	...
2006-07	...	1809	1994	
2007-08	...	3488	1510	
2008-09	...	4650	3400	
2009-10	
2010-11	...	4812	4780	

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State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Soybean
Uttar Pradesh	1970-71	115	159	207	147	142	...
	1980-81	301	411	494	306	264	...
	1988-89	581	536	824	670	360	...
	1889-90	622	675	891	743	509	...
	1990-91	834	831	1193	982	452	...
	1991-92	1094	848	1390	1001	555	...
	1992-93	1216	822	1252	890	..	...
	1993-94	928	940	1143	1008	694	...
	1994-95	1094	1123	1491	1145	1464	...
	1995-96	1372	1032	1963	1261	...	...
	1996-97	1294	1082	1749	1173	...	...
	1997-98	1218	1250	1450	1351	...	...
	1998-99	1507	1334	2060	1433	...	...
	1999-00	1596	1098	1878	1232	...	...
	2000-01	1399	1115	1614	1248	...	...
	2001-02	1251	1136	1609	1468	...	...
	2002-03	1533	1544	1809	1897	...	...
	2003-04	1732	1691	2185	1812	...	...
	2004-05	1591	1459	2440	1750	...	...
	2005-06	1956	1528	2553	1700	...	1198
2006-07	2219	1719	2609	2125	...	1077	
2007-08	1956	2540	2553	2416	...	1198	
2008-09	2545	2170	5227	2918	1435	1703	
2009-10	2958	2049	5369	...	2388	1924	
2010-11	2721	2267	4549	2703	1808	...	

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
West Bengal	1970-71	...	176M	...	...	...	...
	1980-81	...	446	...	...	...	...
	1988-89	...	578	...	...	...	...
	1889-90	...	679	...	...	...	...
	1990-91	...	1010	...	...	...	...
	1991-92	...	992	...	...	...	...
	1992-93	919	...	...	...	...	...
	1993-94	988	...	...	...	...	...
	1994-95	1100	...	...	...	...	...
	1995-96	1201	...	...	...	...	...
	1996-97	1144	...	...	...	...	...

State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
West Bengal	1997-98	1347	...	...	...	...	...
	1998-99	1622	...	...	...	...	...
	1999-00	1354	...	...	...	...	...
	2000-01	1303	...	...	...	...	...
	2001-02	1302	...	...	...	...	...
	2002-03	1560	...	...	...	...	...
	2003-04	1849	...	...	...	...	...
	2004-05	1752	...	...	...	...	...
	2005-06	1754	...	...	...	...	...
	2006-07	1846	...	...	...	...	...
	2007-08	2439	...	...	...	...	...
	2008-09	2554	...	...	...	...	...
	2009-10	2479	...	...	...	...	...
2010-11	2517	...	...	...	...	...
State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Delhi	1979-80	...	156	...	...	...	...
	1980-81	463	...	...	...	...	...
	1988-89	558	...	...	...	...	...
	1889-90	546	...	...	...	...	...
	1990-91	688	...	...	...	...	...
	1991-92	960	...	...	...	...	...
	1992-93	967	...	...	...	...	...
	1993-94	1012	...	...	...	...	...
	1994-95	1198	...	...	...	...	...
	1995-96	1262	...	...	...	...	...
	1996-97	1193	...	...	...	...	...
	1997-98	1281	...	...	...	...	...
	1998-99	1807	...	...	...	...	...
	1999-00	1383	...	...	...	...	...
	2000-01	1231	...	...	...	...	...
	2001-02	1284	...	...	...	...	...
	2002-03	1321	...	...	...	...	...
	2003-04	1947	...	...	...	...	...
	2004-05	1739	...	...	...	...	...
	2005-06	1717
2006-07	1813	
2007-08	2202	
2008-09	1830	
2009-10	2050	
2010-11	2750	

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State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Nagaland		...	1200				
	1998-99	850	...	...	...	...
	1999-00	1000	...	1200	...	...
	2000-01	1000	...	1200	...	...
	2001-02	1200	...	...	...	...
	2002-03	1200	...	...	...	...
State	Year	Groundnut	Rape/ Mustard	Sesamum	Linseed	Castor	Toria
Pondichery	1988-89	863	...	1000	...	...	...
	1889-90	920	...	1025	...	...	...
	1990-91	1285	...	1263	...	...	...
	1991-92	1269	...	1378	...	...	...
	1992-93	969	...	1063	...	...	...
	1993-94	1249	1348	...	...	...	...
	1994-95	1587	1062	...	...	...	...
	1995-96	1306	...	...	...	...	...
	1996-97	...	...	...	...	...	...
	1997-98	...	...	...	...	...	...
	1998-99	...	...	...	...	...	...
	1999-00	...	...	...	...	...	...
	2001-02	...	...	...	...	...	...
	2002-03	2190	...	...	...	...	...
	2003-04	...	...	2310	...	...	...
	2004-05	1924	...	1846	...	...	...
	2005-06	1966	...	1657	...	...	...
	2006-07	2233	...	1933	...	...	...
	2007-08	2735	...	2706	...	...	...
	2008-09	2754	...	3712	...	...	...
2009-10	2886	...	3498	...	...	...
2010-11	3055	...	3216	...	...	...

- American; D - Desi; M - Mustard seed ;R - Rapeseed; At: Automon; Wt: winter; K-Kharif; R-Rabi

* Previous price

Source: DES, Ministry of Agriculture and Cooperation, Govt., of India Agricultural Situation in India, Vol. 58(5) August 2001 & Vol.59 (5) August 2002, Special Number August 2005; Vol. 63(5) August 2006

Directorate of Economics & Statistics, Min. of Agric. & Farmers Welfare. GOI.

<http://eands.dacnet.nic.in>

21.4 Trends in Wholesale Price Index of Oilseed Crops and Oils from 1997-98 to 2008-09

(Base Year: 1993-94 = 100)

Commodity	Weight	Wholesale Price Index												
		1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	
Oilseeds	2.666	128.3	148.5	133.4	129.3	137.6	160.2	177.8	180.8	167.1	175.6	217.7	245.9	
Groundnut	1.029	133.9	150.8	139.6	139.4	143.4	169.3	180.6	182.0	171.9	189.9	239.4	249.2	
Rape/Mustard	0.581	116.9	163.6	138.7	118.0	126.7	143.3	184.3	172.3	164.7	172.2	203.7	251.8	
Cotton	0.045	135.9	159.8	153.6	159.2	159.1	156.2	181.6	166.8	154.8	167.8	181.4	194.3	
Copra	0.029	142.6	129.4	141.5	95.1	89.6	130.5	163.3	193.5	159.8	138.7	128	159.2	
Gingelly Seed	0.132	115.4	157.2	154.4	132.9	134.5	157.8	169.5	177.3	169.3	187.2	205.2	266.5	
Niger Seed	0.025	124.3	145.0	177.6	183.0	156.8	189.6	223.4	214.1	184.1	219.6	390	488.4	
Safflower/Kardi	0.056	108.0	142.8	129.7	112.6	128.9	150.5	188.8	171.4	146.6	143.8	165.9	191.3	
Sunflower	0.204	128.2	144.5	117.4	118.1	164.6	192.5	194.3	197.8	188.7	197.7	253.3	252.6	
Soyabean	0.446	138.8	124.3	107.5	121.1	130.0	153.4	158.4	187.8	157.5	144.9	186.9	230	
Castor seed	0.085	110.9	143.1	143.7	141.4	127.5	139.9	153	153.4	135.1	144.1	184.6	225.4	
Edible Oils	2.755	113.5	139.1	122.1	103.3	112.9	138.0	157.9	156.4	146.0	154.6	175.1	188.1	
Gingelly Oil	0.055	129.0	157.8	149.6	122.8	138.2	170.9	193.8	193.7	174.7	185.5	224.7	283.3	
Rapeseed/ Mustard Oil	0.486	115.5	179.6	140.1	112.1	121.1	147.3	193.9	177.1	159.8	165.7	194	232.5	
Coconut Oil	0.172	140.8	131.1	142.5	98.7	95.0	121.6	156.2	178.8	150.7	141.7	139.2	167.3	
Groundnut Oil	0.174	123.6	150.2	137.6	129.1	135.8	166.6	181.2	173.8	168.2	189.8	231.8	227.6	
Cotton Seed Oil	0.275	101.7	128.8	114.4	96.3	111.8	126.5	126.6	127.5	112.4	124.8	159.8	161.7	
Sunflower Oil	0.135	120.9	147.6	118.0	106.7	136.1	157.1	161.6	163.0	157.6	167.7	189.7	221.4	
Soyabean Oil	0.178	100.5	134.8	113.0	86.7	86.9	122.7	135.8	138.1	137.4	132.4	142.9	153.4	
Imported Edible oil	0.046	108.5	126	103.7	82.3	80.9	80.9	84	84.5	82	91.2	105.5	90	
Rice Bran oil	0.0261	114.3	147.3	101.2	91.4	118.8	162.1	181.2	172.9	157.6	186.8	225	213.6	

Source: Office of the Economic Advisor, GOI

Commodity	Wholesale Price Index										
	Weight	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Rice Bran oil	0.185	99.3	108.6	133.6	135.3	120.9	120.1	146.8	154.1	151.1	151.5
Palm Oil	0.420	93.2	99.4	109.3	113.2	111.3	111.3	119.7	124.8	126.3	127.2
Vanaspati	0.715	93.3	102.5	105.7	110.0	107.3	116.3	121.4	125.6	126.2	124.0
Oil Cakes	0.494	97.7	103.4	122.2	145.1	167.3	168.6	175.3	210.8	223.5	227.0
Mustard Oil Cake	0.040	100.8	99.8	117.7	153.5	184.5	180.2	165.5	208.5	191.7	195.3
Groundnut Oil Cake	0.045	98.8	105.8	128.2	181.3	226.8	240.2	263.1	331.4	321.3	344.8
Cotton Seed Oil Cake	0.129	98.4	102.8	114.3	120.7	142.1	142.7	157.5	164.9	186.0	184.4
Rice Bran Extraction	0.092	111.4	129.1	151.2	167.4	197.3	223.7	222.1	257.9	307.6	312.1
Other Oil Cakes	0.189	89.5	91.5	113.2	140.6	152.3	140.2	146.1	191.1	192.1	193.6

Source: Office of the Economic Advisor, GOI

21.6 Procurement of Oilseeds by NAFED under Price Support Scheme(PSS)

Oilseed	Year	Support price ₹ per qtl. (FAQ)	Quantity Procured (MT)	Value ₹ In lakhs	
Soybean	1978-79	175	85432	1465	
	1984-95	240	3709	104.62	
		265			
	1985-86	250			
		275	62726	1647.4	
	1998-99	795	4480	350.88	
	1999-00	845/755	494938	45699.9	
	2000-01	865/775	54745	5206.2	
	2001-02	885	3273	319	
	2005-06	1010 (Kharif 2005)	893	98.23	
	2006-07	1020 (Kharif 2006)	7	0.78	
	2007-08				
	2008-09	1390	Nil	Nil	
	2009-10	1390	Nil	Nil	
	2010-11	1440	Nil	Nil	
	2011-12	1690	Nil	Nil	
	2012-13	2240	Nil	Nil	
	2013-14	2560	Nil	Nil	
	Groundnut pods	1992-93	750	88	6.6
		1993-94	800	61	4.96
2000-01		1155 (Rabi 2000)	151	20	
		1220 (Kharif 2000)	28707	4035.8	
2001-02		1220 (Rabi 2001)	425	61.7	
		1340 (Kharif 2001)	163493	23571.9	
2004-2005		1500 (Kharif 2004)	418	71.18	
2005-2006		1520 (Kharif 2005)	3463	587.17	
2006-07		1520 (Rabi 2006)	116	19.37	
2007-08					
2008-09		2100	40	9	
2009-10		2100	Nil	Nil	
2010-11		2300	Nil	Nil	
2011-12		2700	Nil	Nil	
2012-13		3700	Nil	Nil	
2013-14		3700	830	307.10	
			4000	343381	137352.40

Oilseed	Year	Support price ₹ per qtl. (FAQ)	Quantity Procured (MT)	Value ₹ In lakhs
Safflower seed	1989-90	550	25	1.09
	1992-93	720	790	56.57
	1993-94	760	14925	1139.96
	2000-2001	1100	6534	823.4
	2001-02	1200	3201	426.6
	2002-03	1300	2020	293.4
	2004-05	1500	71	10.65
	2005-06	1550	31805	5422.76
	2006-07	1565	50779	8733.98
	2007-08	1565	121	20.87
	2008-09	1650	Nil	Nil
	2009-10	1650	Nil	Nil
	2010-11	1680	Nil	Nil
	2011-12	1800	Nil	Nil
	2012-13	2500	Nil	Nil
2013-14	2800	Nil	Nil	
Mustard Seed	1984-85	385	76614	2906.31
	1985-86	400	13445	533.25
	1988-89	460	69	3.47
	1992-93	760	2746	148.87
	1993-94	810	66	5.18
	2000-01	1100	247956	29194.1
	2001-02	1200	329524	42486.4
	2002-03	1300	467629	65192.2
	2004-05	1600	18580	3180.30
	2005-06	1700	2084114	380469.24
	2006-07	1715	2205000	421400.00
	2007-08	1715	22091	4241.46
	2008-09	1800	Nil	Nil
	2009-10	1830	Nil	Nil
	2010-11	1830	Nil	Nil
2011-12	1850	Nil	Nil	
2012-13	2500	Nil	Nil	
2013-14	3000	Nil	Nil	

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Oilseed	Year	Support price ₹ per qtl. (FAQ)	Quantity Procured (MT)	Value ₹ In lakhs
Sunflower	1993-94	850	15286	1261.85
	1994-95	900	45	3.71
	1995-96	950	1196	118.91
	1997-98	960	80	8.75
	1999-00	1060 (Rabi 99)	3689	432.1
		1155 (Kharif 99)	44261	6036.6
	2000-01	1170 (Kharif 2000)	19502	2583.9
	2001-02	1170 (Rabi 2001)	25	3.3
	2002-03	1185 (Rabi2002)	28	3.8
	2004-05	1250 (Rabi 2004)	2316	310.89
	2005-06	1340 (Rabi 2005)	33	4.42
	2005-06	1500 (Kharif 2005)	3121	514.96
	2008-09	2215	10335	2401.37
	2009-10	2215	3381	849
	2010-11	2350	845	199.27
	2011-12	2800	Nil	Nil
	2012-13	3700	1529	565.73
2013-14	3700	4383	1621.71	
Sesame	2008-09	2750	Nil	Nil
	2009-10	2850	Nil	Nil
	2010-11	2850	Nil	Nil
	2011-12	3400	Nil	Nil
	2012-13	4200	Nil	Nil
	2013-14	4500	Nil	Nil
Copra	2008-09	3660 (Milling)	490	214.60
		3910 (Ball)	174	71.56
	2009-10	4450 (Milling)	61281	28948.39
		4700 (Ball)	1250	621.32
	2010-11	3900 (Spl.)	2666	1099.17
		4450 (Milling)	30600	14531.76
	2011-12	4700 (Ball)	895	44.87
		4525 (Milling)	343	182.76
	2012-13	4775 (Ball)	Nil	Nil
		5100 (Milling)	66453	33891.03
		5350 (Ball)	9230	4938.04
	2013-14	4335 (Spl.)	49	21.44
5250 (Milling)		4431	2326.28	
	5500 (Ball)	29535	16244.25	
Toria	2005-06	1665	89	16.07

Source: NAFED Annual Reports Issues of Agricultural Statistics at Glance

21.7 International Market Prices of Selected Oilseeds, Crude Oils and Meals*

Commodity	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Oilseeds											
Soybean US, Cif. Rotterdam (US-\$/T)	247	240	236	255	252	259	305	303	243	202(a)	212
Soybean Pellets, Arg. Cif Rotterdam (Rs. -\$/T)	200	197	204	208	192	197	268	276	170	152(a)	189
Sunseed, EU, Cif. Lower Rhine (US-\$/T)	271	258	260	281	318	315	294	274	309	240(a)	207
Sunflower Pellets, Arg., Cif Rotterdam (US-\$/T)	118	114	125	133	120	112	153	134	98	82(a)	106
Rapeseed, Europe, '00, Cif. Hamburg (US-\$/T)	204	199	210	241	293	287	301	281	294	204(a)	190
Groundnuts, US Runners 40/50, cif Rotterdam	1326	1237	803	1090	955	908	960	990	990	836	838
Oils & Fats											
Soybean Oil, Dutch, FOB Ex-Mill (US-\$/T)	447	454	429	480	616	625	552	565	626	428(a)	338
Sunflower oil, EU, FOB, N.W. Eur., Ports (US-\$/T)	489	474	452	540	636	693	576	581	728	507(a)	392
Rapeseed oil, Hamburg Fob, Ex-mill US-\$/T)	426	417	421	467	616	613	556	565	623	425(a)	348
Palm oil crude, Cif., NW Eur(US-\$/T)	290	339	394	378	528	628	531	546	671	437(a)	310
Palm kernel oil Mal, Cif.Rott. (US-\$/T)	334	417	571	437	629	677	728	652	687	695(a)	244
Coconut oil, Phil. Cif. Rott. (US-\$/T)	337	433	578	450	608	670	752	657	658	738(a)	450
Castor oil, ex-tank Rott.	970	785	761	810	860	912	835	832	1061	1069	
Linseed oil any orig. ex-tank Rott.	709	439	397	448	517	658	566	571	708	512	
Oilcakes/Meals											
Rapeseed meal, Fob, Ex-mill Hamburg (us-\$/T)	130	131	146	155	148	141	188	169	124	107(a)	131

Commodity	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Oilseeds														
Soybean US, Cif. Rotterdam (US-\$/T)	193	213	264	307	275	269	384	523	436	450	541	591	538	492
Soy. Pellets, Arg. Cif Rotterdam (Rs. -\$/T)	181	175	211	241	214	207	307	424	408	378	374	498	488	514
Sunseed, EU, Cif. Lower Rhine (US-\$/T)	249	288	287	323	303	302	498	656	379	518	628	625	534	457
Sunflower Pellets, Arg., Cif Rotterdam (US-\$/T)	116	107	123	135	123	127	211	263	194	--	239	--	--	--
Rapeseed, Europe, '00, Cif. Hamburg (US-\$/T)	211	234	295	305	261	313	427	605	392	467	647	623	551	479
Groundnuts, US Runners 40/50, cif Rotterdam	835	751	976	974	888	906	...	1628	1160	1284	2086	2175	1378	1296
Oils & Fats														
Soybean Oil, Dutch, FOB Ex-Mill (US-\$/T)	354	454	554	616	545	599	881	1258	849	1005	1299	1226	1057	909
Sunflower oil, EU, FOB, N.W. Eur.. Ports (US-\$/T)	484	594	593	684	677	658	1022	1499	885	1074	1360	1263	1124	902
Rapeseed oil, Hamburg Fob, Ex-mill US-\$/T)	404	484	600	688	672	790	973			1013				
Palm oil crude, Cif., NW Eur(US-\$/T)	286	390	443	471	422	478	780	949	683	901	1125	999	857	821
Palm kernel oil Mal, Cif.Rott. (US-\$/T)	308	416	459	648	627	581	889	1130	702	1184	1648	1110	897	1122
Coconut oil, Phil. Cif. Rott. (US-\$/T)	318	421	467	661	617	607	919	1224	726	1124	1730	1111	941	1281
Castor oil, ex-tank Rott.	701	733	966	1040	980	952	...	1644	1343	1781	2401	1686	1592	1647
Linseed oil any orig. ex-tank Rott.	383	519	578	871	1102	672	...	1551	982	1163	1426	1254	1214	1213
Oilcakes/Meals														
Rapeseed meal, Fob, Ex-mill Hamburg (US-\$/T)	138	127	159	157	132	135	213	271	205	243	264	331	339	308
Soybean meal, Arg. Cif Rotterdam (Rs. -\$/T)	181	175	211	241	214	209	307	424	408	378	398	524	545	528

(a) up to Dec. 16

Source: SEA Handbook 2009 & 2013 and SEA New Circulars and

Directorate of Vanaspathi, Vegetable oil and Fats

22. VEGETABLE OILS AND OIL MEALS

22.1 Per capita Availability of Vegetable Oils

Year	Edible oils (kg.)	Vanaspati (kg.)	Total (kg)	Year	Edible oils (kg.)	Vanaspati (kg.)	Total (kg)
1961-62	3.2	0.7	3.9	1988-89	5.3	1.2	6.5
1962-63	3.1	0.8	3.9	1989-90	5.3	1.1	6.4
1963-64	2.7	0.8	3.5	1990-91	5.5	1.0	6.5
1964-65	3.6	0.8	4.4	1991-92	5.4	1.0	6.4
1965-66	2.7	0.8	3.5	1992-93	5.8	1.0	6.8
1966-67	2.7	0.7	3.4	1993-94	6.1	1.0	7.1
1967-68	3.4	0.8	4.2	1994-95	6.3	1.0	7.3
1968-69	2.6	0.9	3.5	1995-96	7.0	1.0	8.0
1969-70	3.0	0.9	3.9	1996-97	8.0	1.0	9.0
1970-71	3.5	1.0	4.5	1997-98	6.2	1.0	7.2
1971-72	3.0	1.1	4.1	1998-99	8.5	1.3	9.8
1972-73	2.4	1.0	3.4	1999-00	9.0	1.4	10.4
1973-74	3.4	0.8	4.2	2000-01	8.2	1.3	9.5
1974-75	3.3	0.6	3.9	2001-02	8.8	1.4	10.2
1975-76	3.5	0.8	4.3	2002-03	7.2	1.4	8.6
1976-77	3.2	0.9	4.1	2003-04	9.9	1.2	11.1
1977-78	3.8	0.9	4.7	2004-05	10.2	1.1	11.3
1978-79	3.8	1.0	4.8	2005-06	10.6	1.1	11.7
1979-80	3.7	1.0	4.7	2006-07	11.1	1.2	12.3
1980-81	3.8	1.2	5.0	2007-08	11.4	1.3	12.7
1981-82	5.1	1.3	6.4	2008-09	12.7	1.2	13.9
1982-83	4.5	1.3	5.8	2009-10	13.1	1.1	14.2
1983-84	5.8	1.2	7.0	2010-11	13.0	1.0	14.0
1984-85	5.5	1.3	6.8	2011-12	13.8	1.0	14.8
1985-86	5.0	1.3	6.3	2012-13	15.8	0.7	16.5
1986-87	5.0	1.2	6.2	2013-14	16.8	0.8	17.6
1987-88	5.8	1.2	7.0				

Source: Various issues of Economic Survey, Govt., of India.

22.2 Production of Oils and Net Domestic Availability of Edible Oils

(In lakh tones)

Name of the Source	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
A. Primary Source						
Groundnut	18.69	15.58	18.38	11.19	21.12	16.48
Rapeseed&Mustard	19.50	23.54	25.21	23.05	18.08	22.32
Soybean	12.51	11.00	13.24	14.16	17.55	15.85
Sunflower	3.07	3.92	4.75	4.05	4.83	3.82
Sesamum	2.42	2.09	1.99	1.92	2.35	1.98
Nigerseed	0.33	0.34	0.32	0.36	0.33	0.35
Safflower	0.40	0.52	0.69	0.72	0.68	0.57
Castor	3.19	3.17	3.96	3.05	4.21	4.68
Linseed	0.59	0.51	0.52	0.50	0.49	0.51
Sub-Total	60.70	60.67	69.06	59.00	69.64	66.56
B. Secondary Source						
Coconut	5.50	5.50	4.20	4.50	4.50	4.50
Cottonseed	4.30	4.30	5.70	6.30	8.00	7.60
Ricebran	6.00	6.20	6.80	7.00	7.20	7.50
Solvent Extracted Oils	3.30	3.50	4.30	3.50	4.00	4.00
Tree & Forest Origin	0.80	0.80	1.30	1.20	1.20	1.20
Sub-Total	19.90	20.30	22.30	22.50	24.90	24.80
Total (A+B)	80.60	80.97	91.36	81.50	94.54	92.58
C Less Export and Infrastructural use	9.20	8.50	8.20	7.80	8.00	7.00
D. Net Domestic Availability of Edible Oils	71.40	72.47	83.16	73.70	86.54	85.58
E. Shortfall (Import)	52.90	45.42	42.88	47.15	56.08	65.60***
F. Actual Consumption	124.30	117.89	126.04	120.85	142.62	151.18

Name of the Source	2009-10	2010-11	2011-12*	2012-13**	2013-14***
A. Primary Source					
Groundnut	12.49	19.01	16.02	10.80	22.25
Rapeseed&Mustard	20.48	25.35	20.47	24.89	24.68
Soybean	15.94	20.38	19.54	23.47	19.19
Sunflower	2.81	2.15	1.70	1.80	1.80
Sesamum	1.82	2.77	2.51	2.12	2.09
Nigerseed	0.30	0.32	0.29	0.31	0.26
Safflower	0.54	0.45	0.44	0.33	0.34
Castor	4.04	5.40	9.18	7.86	6.76
Linseed	0.46	0.44	0.46	0.45	0.43
Sub-Total	58.88	76.27	70.61	72.03	77.80

Name of the Source	2009-10	2010-11	2011-12*	2012-13**	2013-14***
B. Secondary Source					
Coconut	4.50	4.00	4.00	3.90	4.30
Cottonseed	8.00	10.89	11.62	11.57	12.40
Ricebran	7.20	7.20	7.50	7.8	8.10
Solvent Extracted Oils	4.20	4.20	4.10	4.10	4.10
Tree & Forest Origin	1.20	1.20	1.20	1.20	1.20
Sub-Total	25.10	27.49	28.42	28.57	30.10
Total (A+B)	83.98	103.760	99.03	100.60	107.90
C Less Export and Infrastructural use	4.52	5.94	9.46	8.41	7.10
D. Net Domestic Availability of Edible Oils	79.46	97.82	89.57	92.19	100.80
E. Shortfall (Import)	88.23	72.42	99.43	106.05	88.60 (up to Aug'14)
F. Actual Consumption	167.69	170.24	189.00	198.24	

* Final Estimates (released on 12-02-2014)

** Based on Fourth Advanced Estimates

*** Estimated import for 2014-15(Nov.-Oct)

Source: Agricultural Statistics at a Glance 2015

Source: Directorate of Vanaspati, Vegetable Oils and Fats; Department of Food and Public Distribution for oils.

22.3 Per Capita Consumption of Oil and Fats of Major Countries (Oct.-Sept.)

Country	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13(F)
EU-27	45.1	45.5	49.0	53.6	56.9	57.3	60.1	61.6	60.0	59.4	59.7
Other Europe	27.9	28.9	29.6	31.3	32.3	32.4	32.3	32.3	32.9	34.4	34.9
C.I.S.	17.8	18.1	19.6	20.5	21.3	22.8	22.7	23.7	24.3	24.7	25.0
Russia	21.1	21.5	22.9	24.0	24.8	26.7	26.1	27.1	28.0	28.5	29.0
Libya	24.7	25.4	26.8	26.2	24.9	24.3	23.1	24.6	24.8	28.3	30.1
South Africa, Rep	24.5	21.6	22.0	23.0	24.2	22.7	22.2	23.8	23.9	25.2	25.4
Tunisha	27.2	29.5	30.2	31.3	30.2	30.0	29.0	29.5	27.9	28.6	29.3
Canada	43.3	42.8	42.1	41.3	42.2	40.5	40.3	40.0	39.8	40.3	40.7
USA	48.9	48.6	50.6	52.7	53.8	54.9	51.3	50.5	52.9	56.2	56.7
Mexico	25.5	25.9	26.2	26.2	26.3	25.5	24.7	25.0	25.3	26.0	26.5
Argentina	22.2	22.8	22.5	23.1	24.6	35.7	46.4	65.6	78.5	90.8	64.6
Brazil	24.6	23.9	24.2	25.6	27.4	31.8	32.8	37.1	39.8	40.0	40.3
Chile	29.1	31.2	32.5	33.7	34.5	35.3	25.3	25.5	28.9	31.2	32.5
China PR	17.2	18.6	19.7	20.6	21.7	21.8	22.9	23.8	24.5	25.1	25.9
India	11.0	11.1	11.4	11.7	12.1	12.5	13.8	14.3	14.5	14.9	15.4
Indonesia	17.2	17.8	18.3	19.0	20.2	21.8	23.4	25.7	29.6	33.1	36.4
Japan	22.0	22.1	22.2	22.4	22.0	22.2	20.8	21.5	21.4	21.7	21.7
Korea South	21.2	21.6	22.6	23.8	24.9	24.1	24.1	25.5	26.0	26.2	26.3
Pakistan	19.4	19.5	20.5	21.1	21.6	21.5	21.6	21.8	21.5	21.6	21.6
Hongkong	42.9	43.3	42.3	41.6	40.3	46.4	44.4	44.9	45.8	46.2	46.3
Taiwan	35.0	35.2	35.5	35.4	35.5	33.7	32.3	33.7	34.6	34.8	34.9
Thailand	14.0	14.8	15.5	15.8	16.2	19.1	22.2	23.6	25.2	26.0	27.4
Turkey	25.4	25.5	27.7	33.6	30.4	31.3	27.1	28.7	29.4	30.1	30.7
Australia	33.0	33.4	34.1	36.4	37.2	34.8	34.9	34.9	34.7	34.7	34.6
New Zealand	35.3	36.6	36.5	36.1	36.9	35.8	33.9	35.3	34.8	35.3	35.5
World Average	19.9	20.4	21.3	22.1	22.9	23.42	23.89	24.66	25.30	25.95	26.32

F-Forecast

Source: Oil World 2014 as quoted in SEA Handbook 2014

22.4 Trade Estimates of Availability of Vegetable Oils in India

(In lakh tonnes in oil year Nov.-Oct.)

Oilseeds/S.E. oils	Oil Recovery %	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Oilseeds											
Groundnut	40	13.2	10.0	9.9	7.4	11.7	8.2	6.1	7.36	4.64	2.88
Soybean	17	10.4	8.7	10.7	11.7	14.4	13.3	12.8	14.79	16.07	17.58
Rapeseed/ Mustard/Toria	33	23.1	20.6	22.7	19.9	15.1	20.3	20.5	22.77	19.24	23.43
Sunflower	35	4.2	5.4	5.6	5.6	5.1	4.0	3.4	2.29	2.17	2.15
Sesame	45	1.9	1.9	1.3	1.4	1.6	1.7	2.1	1.82	1.62	1.26
Castor	42	2.8	3.4	3.8	3.5	4.1	4.4	4.2	5.36	7.29	5.14
Niger	30	0.2	0.4	0.2	0.1	0.1	0.1	0.2	0.21	0.18	0.17
Safflower	30	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.39	0.27	0.23
Linseed	43	1.0	0.9	0.9	0.8	0.8	0.6	0.7	0.69	0.56	0.50
Sub Total		57.4	51.9	55.7	50.9	53.4	53.1	50.4	55.07	52.04	53.34
Other oilseeds											
Cottonseed	11	4.8	6.3	7.7	9.0	10.5	10.5	10.8	11.24	11.95	11.13
Copra	65	4.2	4.2	4.2	4.0	4.2	4.2	4.3	4.23	4.23	3.90
Sub Total		9.0	10.5	11.9	13.0	14.7	14.7	15.1	15.5	16.18	15.03
Secondary Sources											
Rice Bran	15	6.5	6.8	7.3	7.5	8.0	8.5	8.0	8.50	8.80	9.00
Rapeseed cake	9	1.5	1.5	1.5	2.0	1.8	2.1	2.3	2.00	1.50	1.60
Sunflower seed cake	12	0.5	8.0	0.8	0.9	0.9	0.7	0.5	0.55	0.50	0.40
Groundnut cake	7	1.2	0.8	1.0	0.8	1.0	0.8	0.6	0.40	0.30	0.20
Cottonseed & others	7	0.5	0.7	0.8	0.8	1.0	0.5	0.5	0.50	0.50	0.60
Minor oilseeds (TBOS)		0.8	0.8	0.8	0.8	1.0	1.0	0.8	1.00	1.00	1.00
Local Palm oil		0.5	0.4	0.5	0.5	0.6	0.7	0.6	0.62	0.70	0.80
Sub Total		11.5	11.8	12.7	13.3	14.3	14.3	13.3	13.52	13.30	13.60
Grand Total		75.9	74.2	80.3	77.3	82.4	82.1	78.8	80.20	81.52	81.97

Compiled from SEA Annual Reports, SEA Newsletters and SEA Handbook 2014

22.5 Edible Oils Demand long term Production

Year	Population @ 1.76% Growth	Consumption @ 3% Growth		Consumption @ 4% Growth		Consumption @ 5% Growth	
	In Billion	Per Capita (In Kg)	Million Tonnes	Per Capita (In Kg)	Million Tonnes	Per Capita (In Kg)	Million Tonnes
2015	1.25	15.2	19.00	15.6	19.5	15.9	19.87
2017	1.28	16.0	20.48	16.8	21.50	17.4	22.27
2019	1.31	17.0	22.27	18.0	23.58	19.1	25.02
2021	1.34	18.0	23.79	19.5	25.70	21.0	27.72
2023	1.38	19.0	25.24	21.1	27.80	23.2	30.56
20.25	1.42	20.2	26.78	22.8	30.0	25.6	33.69

Source: SEA director- Dr.B.V.Mehta's presentation at Malaysia Conference (Excluding Non-edible Oils)

22.6 Production of Solvent Extracted Oils (1987-88 to 2014-15)

(in MT)

Year	Cotton	Ricebran	Soybean	Sal seed	Sunflower	Coconut
1987-88	6351	319500	97870	11000	26500	NA
1988-89	4301	300128	160795	6319	24263	2609
1989-90	5745	349742	208440	18641	24120	4639
1990-91	11169	369550	328928	7031	34745	3689
1991-92	5830	366450	297564	7489	58685	2874
1992-93	7676	391139	446514	9598	76419	3902
1993-94	7435	407456	551840	13467	80789	5877
1994-95	5746	399420	509792	5984	100272	7133
1995-96	5082	428340	615580	5112	105410	7593
1996-97	9170	421145	545055	11366	87702	6223
1997-98	5868	420965	594592	5081	107973	7373
1998-99	4793	430934	715000	633	54850	7607
1999-00	3900	409489	706258	1366	53752	6621
2000-01	4555	412905	677997	6841	31791	8526
2001-02	5610	423284	745546	3183	39859	10343
2002-03	6953	439405	475560	1774	65973	8653
2003-04	6662	438138	715962	5901	61720	9666
2004-05	10982	458137	712000	4158	76971	10089
2005-06	13122	443818	796708	7012	112282	11397
2006-07	13828	470992	586442	2999	96918	12705
2007-08	15872	480937	656738	8263	124379	16708
2008-09	13829	468317	850000	2747	117714	14477
2011-12		510148		82	41803	12366
2012-13		410484		2885	33147	10238
2013-14		478002		1338	46005	10256
2014-15		415390		66	27940	10854

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(in MT)

Year	Sesame	Castor seed	Neem	Mahua	Mango Kernel	Rapeseed/ Mustard
1987-88	2000	NA	NA	NA	NA	26000
1988-89	3563	1992	5608	4704	2433	28820
1989-90	963	2881	5563	3592	1251	87385
1990-91	1362	3679	5218	2162	597	78400
1991-92	2617	3470	6981	3538	753	111080
1992-93	4154	2775	7397	2241	1786	122514
1993-94	5458	5706	8278	3666	290	123975
1994-95	5598	8179	9378	4695	1009	234463
1995-96	576	21563	8215	9280	657	211028
1996-97	3140	19477	8261	2963	994	213013
1997-98	878	14820	5472	7184	2997	256220
1998-99	849	15366	3372	3596	-	88509
1999-00	315	19883	3063	1724	3900	49688
2000-01	20	17025	2292	2587	..	34221
2001-02	181	15316	1780	2067	17	54572
2002-03	361	21368	2534	4016	33	74887
2003-04	204	37347	1489	2101	2233	47200
2004-05	841	44835	1994	7000	221	63634
2005-06	332	52128	2294	1394	455	67786
2006-07	304	114185	2186	1253	62	131360
2007-08	224	52285	2323	2328	105	114504
2008-09	108	49720	2463	1180	30	77978
2011-12	613	89644	2987	1239	11	132411
2012-13	414	76866	2689	5	29	57142
2013-14	150	57208	2012	1151	56	93533
2014-15	84	26035	3096	855	0	65290

Source : SEA Annual Reports

22.7 World Vegetable Oils Production and Meal Output

(1000 t.)

Year	Soybean Oil		Soybean Meal		Groundnut oil		Groundnut Meal	
	Production	Exports	Output	Exports	Production	Exports	Output	Exports
1996	20169	4944	88262	29802	4324	241	6144	581
1997	21043	6708	92594	29620	4428	251	6313	549
1998	24012	8031	104341	36328	4504	260	6418	445
1999	24774	7571	106858	36351	4696	244	6791	274
2000	25516	6790	110622	35025	4543	245	6497	242
2001	27797	8049	120406	40056	5057	250	7146	273
2002	29803	8989	128451	43884	5151	239	7205	253
2003	31291	9371	133922	43863	4506	232	6319	144
2004	30713	9067	131890	44898	4746	228	6651	250
2005	33596	9821	143513	48372	4532	175	6338	184
2006	35256	10391	149235	53042	4404	211	6147	262
2007	37347	11181	158203	55564	4196	201	5876	164
2008	36842	10094	155791	54287	4215	151	5882	149
2009	35998	9595	153169	52748	4306	177	6016	98
2010	38860	9370	166074	54930	4172	218	5851	151
2011	41359	10010	175225	58600	4344	208	6068	156
2012	42128	9003	179196	58600	4127	182	5763	93
2013(F)	42291	9867	179276	57160	3783	188	5283	115

Year	Sunflower Oil		Sunflower Meal		Rapeseed Oil		Rapeseed Meal	
	Production	Exports	Output	Exports	Production	Exports	Output	Exports
1996	9203	2711	10943	2658	11533	1738	17982	3248
1997	9189	3330	10899	2587	11848	1904	18446	2902
1998	8578	2880	10265	2524	12231	2218	19031	2604
1999	9386	2972	11040	2987	12979	1702	20300	2234
2000	9648	3058	11014	3053	14395	1869	22112	2874
2001	8181	2337	9500	2377	13678	1206	20826	2321
2002	7635	2303	8769	2215	13270	1279	20036	2010
2003	8966	2618	10188	2739	12671	987	19170	1980
2004	9402	2764	10775	2983	14904	1509	22523	2515
2005	9711	3124	10950	3228	16203	1426	24288	2381
2006*	11198	4460	12475	3750	18498	2101	27403	2826
2007+	10841	4300	12283	3734	18736	2060	27838	3174
2008#	10843	4059	12214	3371	19919	2373	29155	3780
2009	12853	5251	14357	4763	21409	2674	30811	3674

Year	Sunflower Oil		Sunflower Meal		Rapeseed Oil		Rapeseed Meal	
	Production	Exports	Output	Exports	Production	Exports	Output	Exports
2011	12392	4950	14123	4704	23734	3597	34054	539
2012	15108	7285	17113	6996	24133	4150	34344	5516
2013(F)	13740	6386	15561	6160	24266	4030	34957	5595

Year	Cotton Oil		Cotton Meal		Sesame Oil		Sesame Meal	
	Production	Exports	Output	Exports	Production	Exports	Output	Exports
1996	4074	222	15940	1162	738	23	937	19
1997	4063	233	15970	904	711	23	890	22
1998	4027	218	15553	654	712	22	908	20
1999	3795	181	15204	619	696	21	880	21
2000	3841	204	14706	617	717	26	892	21
2001	4054	221	15325	752	748	24	930	28
2002	4209	201	15928	646	815	27	1028	27
2003	4002	159	15083	480	772	28	976	26
2004	4417	150	16949	513	828	33	1048	27
2005	5001	146	19495	541	858	36	1085	42
2006*	4911	144	19441	530	859	32	1086	58
2007+	5044	150	20248	494	830	34	1046	46
2008#	5042	143	20462	473	799	39	1001	43
2009	4820	169	19624	500	820	35	1034	55
2010	4452	147	18316	477	871	36	1098	43
2011	4781	174	19591	503	863	36	1091	53
2012	5116	225	21319	590	869	37	1095	49
2013	4951	189	20503	630	846	36	1066	46

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Year	Palm Oil		Palm Kernel Oil		Palm Kernel Meal		Castor Oil	
	Production	Exports	Production	Exports	Ouput	Exports	Production	Exports
1996	16078	10743	2046	923	2534	2195	483	264
1997	17336	12382	2168	1047	2668	2305	458	237
1998	16681	11326	2152	1067	2628	2310	437	240
1999	20525	14136	2547	1291	2506	3000	431	237
2000	21808	15193	2682	1199	3239	2557	495	277
2001	24024	17695	2940	1377	3516	2841	512	254
2002	25235	19542	3017	1574	3619	2745	440	197
2003	27902	21682	3315	1704	3971	3198	419	198
2004	30907	24251	3568	1907	4267	3393	492	264
2005	33731	26516	3978	2097	4735	3802	537	297
2006*	37140	29994	4346	2386	5156	4168	535	315
2007+	38673	29873	4496	2671	5357	4215	521	322
2008#	43335	33794	5042	2712	5961	4929	580	367
2009	44554	35557	4995	2950	5920	4902	565	303
2010	46317	36556	5160	3054	6122	5090	618	439
2011	49360	38080	5391	3038	6432	5355	633	415
2012	52296	40278	5791	3080	6913	6060	698	478
2013	55949	43670	6164	3480	7354	6269	681	473

Year	Coconut Oil		Copra Meal		Linseed Oil		Linseed Meal	
	Production	Exports	Output	Exports	Production	Exports	Production	Exports
1996	2934	1397	1744	860	655	137	1247	174
1997	3390	1925	1937	1007	677	131	1295	142
1998	3204	1854	1813	900	697	119	1138	95
1999	2401	1050	1813	900	736	146	1428	125
2000	3282	2034	1859	1021	697	126	1335	92
2001	3504	2080	1970	1089	638	106	1223	83
2002	3164	1802	1763	869	631	113	1211	57
2003	3287	2061	1856	922	596	93	1145	58
2004	3037	1833	1722	775	623	124	1193	61
2005	3257	2274	1849	841	625	112	1194	86
2006*	3106	1976	1760	744	697	109	1327	61
2007+	3107	1988	1772	794	693	107	1317	43

Year	Coconut Oil		Copra Meal		Linseed Oil		Linseed Meal	
	Production	Exports	Output	Exports	Production	Exports	Production	Exports
2008#	3161	1881	1797	798	625	91	1191	62
2009	3099	1766	1761	628	524	85	995	37
2010	3623	2381	2044	1174	599	103	1149	23
2011	3094	1953	1757	647	566	105	1080	35
2012	3122	1937	1776	831	634	95	1205	38
2013(F)	3351	2102	1899	983	620	98	1182	29

Source: Oil World issues December for 1998-2006, * -March 2008, + - March 2009and # - March 2010

22.8 Production of Vegetable fats and Oils in Major Countries of the World

(1000 tonnes)

Countries	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013(F)
Malaysia	13550	13593	15187	15899	17071	17949	17843	19977	19774	19985	20421	20440	22021
Indonesia	9398	11152	12387	14060	16127	18539	19397	22145	24343	24972	27294	29981	32033
China	12147	12538	12828	13326	14085	19629	19450	19886	21446	22856	2317	24266	24690
USA	10922	10432	9995	11020	11718	16706	16853	16406	16008	16062	16152	16388	16502
Argentina	4844	5372	6080	5901	7089	8169	8602	8218	7663	8055	9009	8845	8161
Brazil	5003	5506	5909	6184	6404	7088	7708	8093	7645	8352	9096	9283	9303
Nigeria	1796	1901	2009	2116	2230	1422	1454	1483	1521	1334	1380	1469	1463
Canada	1535	1303	1501	1726	1685	2473	2536	2598	2606	3013	3607	3963	3784
Japan	1866	1867	1842	1794	1721	1938	1898	1861	1760	1824	1783	1782	1748
Philippines	1862	1415	1646	1392	1464	1519	1352	1478	1461	1923	1428	1405	1641
India	5987	5429	6393	7472	7898	9130	9162	9341	8614	8715	9652	9422	9322
World	96850	98351	105530	111342	118727	111690	153829	159927	164452	171108	177312	185616	187402

Source: SEA Hand book 2014

22.9 Production of Vanaspati since oil year in India

Oil Year (Nov.-Oct.)	Production (Lakh tonne)
1984-85	9.17
1985-86	9.17
1986-87	9.29
1987-88	9.86
1988-89	9.70
1989-90	8.81
1990-91	8.17
1991-92	8.57
1992-93	8.91
1993-94	9.37
1994-95	9.45
1995-96	9.95
1996-97	10.4
1997-98	9.26
1998-99	12.50
1999-00	11.91
2000-01	13.61
2001-02	13.84
2002-03	11.47
2003-04	11.63
2004-05	10.35
2005-06	9.87
2006-07	10.5
2007-08	11.11
2008-09	11.79
2009-10	9.31
2010-11	8.26

Source: SEA Hand book 2014

22.10 Production and Export of Mango Kernel Meal and Oil (1000 MT)

Year	Mango Kernel Processed	Production		Export	
		Oil	Meal	Meal	Oil
1990-91	6.338	0.597	5.413	6.344	0.894
1991-92	8.788	0.753	7.6	4.278	0.656
1992-93	20.127	1.786	17.914	6.106	0.48
1993-94	3.346	0.29	2.872	2.635	0.134
1994-95	32.392	2.741	26.456	16.844	0.556
1995-96	8.042	0.657	7.327	3.922	0.431
1996-97	11.592	0.994	10.201	..	0.205
1997-98	35.187	3.004	31.184	..	0.754
1998-99	..	..	..	..	0.7
1999-00	47.1	3.9	39.2	..	0.6
2000-01	..	..	..	..	0.221
2001-02	0.214	0.17	0.193	..	0.154
2002-03	0.385	0.033	0.343	..	0.028
2003-04	25.56	2.233	22.60	..	0.600
2004-05	2.647	0.221	2.245	...	0.064
2005-06	4.824	0.455	4.278	...	0.059
2006-07	0.697	0.062	0.629	...	0.301
2007-08	1.275	0.105	1.123	...	0.117
2008-09	0.366	0.030	0.311	...	0.069
2009-10	10.802	0.763	9.963	...	0.413
2010-11	1.222	0.106	1.099	...	0.072
2011-12	0.139	0.011	0.123	...	-
2012-13	0.331	0.029	0.291	...	0.059

Source: SEA News Circulars

22.11 Rice Bran Processing, Oil Production and Export (April-March)

Quantity = ' 000 MT

Year	Processed	Edible	Industrial	Total	Extraction	Export of Extraction	Locally Sold
1970-71	170.00	xxx	21.00	21.00	149.00	130.00	19.00
1971-72	220.00	xxx	30.00	30.00	187.00	147.00	40.00
1972-73	185.00	xxx	25.00	25.00	158.00	118.00	40.00
1973-74	165.00	xxx	24.00	24.00	140.00	106.00	34.00
1974-75	160.00	xxx	23.00	23.00	137.00	102.00	35.00
1975-76	265.00	xxx	36.00	36.00	230.00	203.00	35.00
1976-77	540.00	xxx	70.00	70.00	465.00	402.00	63.00
1977-78	566.00	xxx	80.00	80.00	481.00	309.00	101.00
1978-79	680.00	2.50	98.50	101.00	574.00	448.00	110.00
1979-80	786.50	2.45	110.40	112.90	666.00	528.70	125.00
1980-81	922.00	4.00	126.00	130.00	780.00	513.30	265.00
1981-82	1060.00	10.00	140.00	150.00	900.00	579.20	320.00
1982-83	1090.00	26.50	126.00	152.50	922.00	496.50	390.00
1983-84	1300.00	23.00	160.00	183.00	1095.00	520.50	575.00
1984-85	1410.00	19.20	181.00	200.20	1193.00	512.00	625.00
1985-86	1472.70	32.85	185.95	217.90	1246.35	297.65	900.00
1986-87	1728.40	93.35	159.00	252.35	1461.00	389.60	1050.00
1987-88	1940.50	118.65	159.40	278.05	1649.80	352.75	1297.00
1988-89	2092.25	124.65	175.50	300.15	1774.45	396.45	1375.00
1989-90	2340.40	141.13	208.60	349.73	1063.50	634.55	1325.00
1990-91	2535.00	162.75	206.80	369.55	2146.10	455.65	1690.00
1991-92	2553.40	197.70	168.75	366.45	2158.70	519.90	1638.00
1992-93	2753.40	206.53	104.62	301.12	2325.55	404.45	1914.00
1993-94	2788.32	230.92	176.54	407.46	2354.55	497.52	2130.00
1994-95	2780.68	245.88	153.42	399.30	2361.03	336.08	2144.00
1995-96	2973.59	259.94	168.40	428.34	2523.66	302.40	2295.00
1996-97	2879.30	265.68	155.46	421.14	2443.90	295.20	2115.00
1997-98	2847.40	284.10	136.89	420.96	2409.34	74.86	2312.00
1998-99	2965.76	305.64	125.28	430.93	2519.48	4.66	2456.00
1999-2000	2599.57	284.03	100.53	384.56	2201.88	0.14	2149.00
2000-01	2694.48	305.81	107.08	412.90	2264.58	...	1956.00
2001-02	2785.05	323.13	100.15	423.28	2342.17	0.287	2088.00
2002-03	2968.89	345.28	94.12	439.40	2514.61	0.337	2248.00
2003-04	2630.66	298.51	90.26	388.78	2232.36	6.975	2300.00
2004-05	3143.30	371.12	87.02	458.14	2672.28	73.85	2400.00
2005-06	2963.58	376.66	67.16	443.82	2506.35	125.32	2500.00
2006-07	3126.26	411.34	59.64	470.99	2636.31	252.27	2400.00
2007-08	3231.94	427.20	53.73	480.93	2740.77	191.75	2450.00

Year	Processed	Edible	Industrial	Total	Extraction	Export of Extraction	Locally Sold
2008-09	3098.22	414.18	54.13	468.31	2628.55	144.69	2400.00
2009-10	2991.48	388.96	59.18	448.14	2534.02	111.00	2500.00
2010-11	3349.54	445.31	46.01	491.32	2840.74	100.00	2450.00
2011-12	3466.56	457.52	52.63	510.15	2938.46	175.00	2500.00
2012-13	3092.38	400.36	53.16	453.52	2619.42	275.00	2500.00

Source: SEA Handbook 2000; SEA Newsletters

22.12 Status of the Vegetable Oil Industry

Type of Vegetable Oil Industry	No. of Units	Annual Capacity (Lakh MT)	Average Capacity Utilisation
Oilseed Crushing Units	1,50,000 (Approx)	425 (In terms of Seeds)	10-30%
Solvent Extraction Units	711	338 (In terms of Oil-bearing Material)	31%
Refineries attached with Vanaspati Units	127	51 (in terms of oil)	45%
Refineries attached with Solvent Units	297	36 (in terms of oil)	27%
Independent Refineries	585	35 (in terms of oil)	36%
Total Refineries	1009	122 (in terms of oil)	35%
Vanaspati Units	264	53 (in terms of vegetable oil products)	18%

22.13 Deployment of Gross Bank Credit to Vegetable Oil including Vanaspati Industry

Year	Amount (in ₹ crores)*
1990	700
1991	865
1992	898
1993	1017
1994	1075
1995	1219
1996	1565
1997	1955
1998	2296
1999	2710
2000	2958
2001	2876
2002	2729
2003	2919
2004	3219
2005	3591
2006	5077
2007	6114
2008	7260
2009	6763

* Outstanding as on last reporting Friday of March Source: RBI Handbook of Statistics on Indian Economy

22.14 Per Cent Expenditure on Edible Oils vis-à-vis other Food Products in India

Food Products	1972-73		1977-78		1983-84		1987-88		1993-94		1999-2000	
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Cereals	36.4	56.4	34.3	51.5	33.1	49.5	26.6	41.2	25.8	38.5	25.8	37.4
Pulses	5.8	6.7	6.4	6.6	5.8	5.8	6.3	6.6	5.9	6.3	6.1	6.6
Milk	14.5	10	15.9	11.9	15.6	11.5	17	13.5	17.9	15	18	14.7
Edible oils	7.5	4.8	7.7	5.5	8.2	6.1	9.5	8.8	8	7	6.5	6.3
Meat, Fish, Eggs	5.1	3.4	5.8	4.2	6.1	4.6	6.3	5.1	6.2	5.3	6.5	5.6
Fruits & Vegetable	9.9	6.3	10.6	7.6	12	9.3	13.9	10.7	14.1	11.9	15.7	13.3
Sugar	5.6	5.2	4.4	4.1	4.2	4.3	4.2	4.5	4.4	4.8	3.4	4
Salt	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.4
Spices	3.3	3.5	4.2	4.4	3.4	3.6	3.9	4.2	3.5	3.9	4.3	4.6
Beverages	11.8	3.3	10.6	3.9	11.6	5	12	6.1	13.2	6.6	13.2	7.1
Total Food	100	100	100	100	100	100	100	100	100	100	100	100
	(64.5)	(72.8)	(60.0)	(64.3)	(59.1)	(65.6)	(55.9)	(63.8)	(54.7)	(63.2)	(48.1)	(59.4)
Food Products	2004-05		2011-12									
	Urban	Rural	Urban	Rural								
Cereals	24.0	33.8	15.6	20.4								
Pulses	5.2	5.6	4.8	5.6								
Milk	18.8	15.7	16.4	15.2								
Edible oils	8.6	8.5	6.2	7.0								
Meat, Fish, Eggs	6.3	6.2	8.6	9.0								
Fruits & Vegetable	15.2	14.1	18.9	18.0								
Sugar Salt Spices	7.0	8.2	8.4	10.1								
Beverages	14.7	7.9	21.1	14.9								
Total Food	100	100	100	100								
	(41.6)	(54.0)	(42.6)	(52.9)								

Note: Figures in paranthesis indicate percentage share of food in total consumer expenditure; Cereals include cereal substitutes; Pulses include gram.

Source: Compilation based on CSO National Sample Surveys.

22.15 State-wise, Year-wise quantity of Crude Palm Oil (CPO) obtained under Oil Palm Development Programme (OPDP)
(Tonnes)

Name of the State	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2001-02	2002-03	2003-04
Andhra Pradesh	150.90	525.90	862.21	1795.71	3710.90	5298.40	9684.00	18974.00	18960.00	21457.00
Karnataka	28.92	163.85	347.91	432.35	567.21	535.51	738.76	573.58	606.64	646.00
Tamil Nadu	0.00	0.00	0.00	0.00	2.21	30.10	82.09	0.00	0.00	NR
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	0.06	2.94	2.94	3.00
Orissa	0.00	0.00	0.00	0.00	11.19	19.18	21.71	0.00	0.00	0.00
Goa**	0.00	0.00	0.00	0.00	54.83	102.95	150.00	243.00	330.85	324.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	NR
Assam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Kerala	954.00	0.00	3955.00	4261.00	4428.00	3812.00	5159.15	980.00	6572.00	6387.00
Andaman & Nicobar	0.00	2314.00	0.00	1426.00	1284.00	1142.00	2314.00	1840.32	1696.00	0.00
Total	1133.82	3003.75	5165.12	7915.06	10058.34	10940.14	18157.77	22613.84	28168.43	28817.00

Name of the State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Andhra Pradesh	23905.00	43500.00	35509.00	38000.00	43593	57402	63487	97987	127570	161566
Karnataka	681.01	793.00	974	1037.46	1170	1118	1459	1740	1770	1736
Tamil Nadu	110.49	178.26	249	273	366	365	486	759	1035	820
Gujarat	NR	NR	...	NR	0.00	0	0	0	0	0
Orissa	0.00	0.00	0.00	NR	476	589	871	2162	443	558
Goa**	348.93	379.00	345.00	342	393	279	329	394	372	371
Tripura	NR	NR	NR	NR	NR	NA	NA	NA	0	0
Assam	00	0	0	0	0	NA	NA	NA	0	0

Name of the State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Kerala	5792.94	6478.00	6888.00	5750	7400	6600	6900	7500	7378	6303
Andaman & Nicobar	0.00	0.00	0.00	NR	0.00	NA	0	0	0	0
Total	30838.37	51328.26	43964.66	45403	53397	66353	73532	110542	138568	171354

Note : Information Based on inputs provided by State Departments of Horticulture/Agric. NR= Not Reported

** The Production of Crude Palm Oil is based on the production of Oil extraction ratio, i.e. 16%-17% of Total Fresh Fruit Bunches (FFBs) produced

Source: Agricultural Statistics at a Glance 2014

22.16 Trend of increasing imports over years

Oil Year (Nov.- Oct.)	Production of Oilseeds*	Net availability of edible oils from all domestic sources	Imports**	Total Availability of Edible Oils
2004-2005	243.54	72.47	46.52	118.99
2005-2006	279.79	83.16	40.91	124.07
2006-2007	242.89	73.7	46.05	119.75
2007-2008	297.55	86.54	54.34	140.88
2008-2009	277.19	84.56	74.98	159.54
2009-2010	248.83	79.46	74.64	154.1
2010-2011	324.79	97.82	72.42	170.24
2011-2012	297.98	89.57	99.43	189
2012-2013	309.43	92.19	106.05	198.00
2013-2014	328.79	100.8	109.76	210.56

Source: *As per 4th Advance Estimates (dated 14.08.2014) released by Ministry of Agriculture.

23. EXPORTS OF OILSEEDS AND OILS

23.1. 1 India's Exports of Groundnut Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut Products						
Groundnuts	137065.60	316.403	112812.81	250.939	67889.75	178.302
Groundnut oil (Edible/Non-edible grade)	1155.80	2.463	1376.00	4.139	300.22	0.661
Groundnut oil and its fractions	17.80	0.076	15.05	0.051	131.12	0.595
Oilcake and meal of Groundnut	15965.30	14.563	69183.38	43.837	28975.91	19.296
Groundnut prepared and preserved	34874.80	83.262	25329.49	59.156	3153.49	8.391
Peanut butter	170.10	1.238	593.80	3.856	890.81	5.174
Total	189249.53	418.00	209310.52	361.98	101341.29	212.42

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut Products						
Groundnuts	176109.33	544.30	177154.09	547.02	190053.34	513.69
Groundnut oil (Edible/Non-edible grade)	30861.36	146.28	29456.74	142.92	742.5	2.86
Groundnut oil and its fractions	11416.40	58.06	32287.82	144.29	3029.4	18.13
Oilcake and meal of Groundnut	141736.30	106.90	162004.86	132.05	148838.18	102.92
Groundnut prepared and preserved	1321.84	3.71	4509.09	11.17	18694.09	52.76
Peanut butter	2357.53	12.90	2045.15	11.01	2521.83	13.94
Total	363802.76	872.16	407457.75	988.45	363879.34	704.30

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut Products						
Groundnuts	251418.66	798.46	269587.62	1054.08	297888.84	1239.01
Groundnut oil (Edible/Non-edible grade)	4516.18	20.79	28160.38	186.95	449.69	3.27
Groundnut oil and its fractions	208.8	0.99	8648.62	65.71	77.8	0.37
Oilcake and meal of Groundnut	107222.6	94.42	115419.64	128.54	76387.99	111.68
Groundnut prepared and preserved	15692.99	47.11	3185.7	12.95	5376.12	25.04
Peanut butter	1450.89	8.47	901.32	5.56	1018.62	7.84
Total	380510.12	970.24	425903.28	1453.79	381199.06	1387.21

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut Products						
Groundnuts	340246.34	1425.93	433753.22	2178.41	832616.86	5246.45
Groundnut oil (Edible/Non-edible grade)	2465.64	15.65	961.82	6.83	472.72	4.27
Groundnut oil and its fractions	65.06	0.54	2736.74	19.36	6370.44	59.19
Oilcake and meal of Groundnut	20969.91	34.66	86861.48	137.16	16576.27	26.66
Groundnut prepared and preserved	5894.68	23.37	4725.13	24.79	7911.22	53.01
Peanut butter	1644.74	11.34	1530.20	11.64	2786.04	22.47
Total	371286.37	1511.49	530568.59	2378.19	866733.55	5412.05

Note: Source for the tables from 23.1 to 23.25 is DGCI&S, GOI, Kolkata

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Oilseed products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut Products						
Groundnuts	535637.18	4065.36	--	---	--	--
Groundnut oil (Edible/Non-edible grade/Crude)	3148.11	39.64	3181.83	27.97	19185.28	165.79
Groundnut oil and its fractions	17032.42	219.41	3309.09	30.69	18929.57	164.44
Oilcake and meal of Groundnut	4006.07	10.42	8711.16	22.72	8147.00	21.90
Groundnut prepared and preserved	4846.69	40.80	7943.96	71.46	13096.07	119.02
Peanut Butter	2713.86	33.56	20.18	0.28	837.62	12.92
Total	567384.33	4409.19	23166.22	153.12	60195.54	484.07

23.1. 2 India's Exports of Rapeseed Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Rapeseed products						
Rape/Colza seeds	510.00	0.335	5010.00	4.555	6305.00	2.693
Crude Rapeseed oil	176.10	0.874	107.01	0.685	199.00	1.441
Refined Colza oil	4.10	0.014	10.27	0.043	7.00	0.009
Oilcake & (defatted) varieties of rapeseed colza seeds	21.00	0.028	143.10	0.089	590.00	0.143
Oilcake and Meal of Rapeseed/Colza	9287.00	4.602	27521.00	15.378	62628.88	28.768
Total	9998.19	5.85	32791.38	20.75	69729.88	33.05

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Rapeseed products						
Rape/Colza seeds	43509.47	29.24	3542.95	2.22	2818.09	1.68
Low Erucic Acid of Rape or Colza seeds	88475.85	49.88	128557.42	72.68	68637.91	37.86
Crude Low Erucic colza and Rape oil and fractions	186.68	0.46	54.69	0.31	266.53	1.30
Low Erucic Acid of Rape or Colza seeds other than crude	95.10	0.33	51.85	0.31	2.00	0.01
Crude Colza oil	0.00	0.00	0.40	0.00	0.00	0.00
Crude Rapeseed oil	167.33	0.98	100.78	0.30	32.25	0.19
Refined Colza oil	1.20	0.01	0.00	0.00	0.00	0.00
Refined rapeseed oil edible grade	0.00	0.00	40.20	0.24	20.00	0.10
Other Rape, colza mustard oils excluding crude	404.43	1.47	92.64	0.40	120.48	0.55
Other Residues of Rape or Colza Seeds	145406.46	78.80	735030.46	416.56	600701.47	322.23
Total	278151.42	160.83	867419.12	492.71	672596.75	363.90

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Rapeseed products						
Rape/Colza seeds	283.89	0.21	7.01	0.18	2751.69	3.41
Low Erucic Acid of Rape or Colza seeds	57477.90	35.34	45292.03	32.62	45914.92	56.59
Crude Low Erucic colza and Rape oil and fractions	39.51	0.14	37.01	0.20	0.05	0.00
Low Erucic Acid of Rape or Colza seeds other than crude	162.40	0.52	100.26	0.35	9.40	0.05
Crude Colza oil	100.93	0.54	2.90	0.02	0.00	0.00
Crude Rapeseed oil	0.00	0.00	41.76	0.23	5.00	0.03
Refined Colza oil	0.50	0.00	...	...	...	...
Refined rapeseed oil edible grade	0.04	0.00	0.20	0.00	0.00	0.00
Other Rape, colza mustard oils excluding crude	173.79	0.97	213.75	1.44	611.84	1.86
Other Residues of Rape or Colza Seeds	1033446.30	550.18	1120211.08	798.26	1073252.72	1019.26
Total	1091421.93	600.72	1165906.00	833.29	1122545.62	1081.21

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Rapeseed products						
Rape/Colza seeds	564.60	1.47	103.08	0.36	1404.94	2.95
Low Erucic Acid of Rape or Colza seeds	22988.00	28.67	87414.34	102.19	166173.39	159.16
Crude Low Erucic colza and Rape oil and fractions	545.92	3.13	0.98	0.12	41.55	0.25
Low Erucic Acid of Rape or Colza seeds other than crude	46.65	0.37	29.14	0.21	87.37	0.76
Crude Colza oil	5.00	0.06	0.02	--	--	--
Crude Rapeseed oil	45.00	0.17	84.50	0.58	458.16	3.77
Refined Colza oil edible grade	0.80	0.01	0.50	0.003	0.10	0.001
Refined rapeseed oil edible grade	1.20	0.01	23.16	0.16	55.65	0.55
Other Rape, colza mustard oils excluding crude	230.46	1.04	150.65	0.91	120.18	0.80
Other Residues of Rape or Colza Seeds	949497.72	1093.38	1028898.80	1145.54	1310770.48	1243.71
Total	973925.35	1128.31	1116705.17	1250.073	1479111.82	1411.95

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Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Rapeseed products						
Rape/Colza seeds	201.45	1.04	330.39	1.37	379.83	1.31
Low Erucic Acid of Rape or Colza seeds	155625.00	252.55	242316.00	374.47	276053.50	430.92
Crude Low Erucic colza and Rape oil and fractions	12.14	0.13	22.30	0.18	73.29	0.78
Low Erucic Acid of Rape or Colza seeds other than crude	61.73	0.74	20.71	0.30	13.34	0.15
Crude Colza oil	00	00	00	00	0.03	0.01
Crude Rapeseed oil	19.00	0.21	7.64	0.05	2.96	0.04
Refined Colza oil edible grade	1.76	0.03	0.36	0.01	8.98	0.003
Refined rapeseed oil edible grade	57.10	0.67	19.71	0.25	13.35	0.15
Other Rape, colza mustard oils excluding crude	121.29	1.42	106.95	1.66	73.92	0.93
Other Residues of Rape or Colza Seeds	925488.84	1487.62	1200593.29	1875.19	1210141.76	1932.99
Total	1081588.31	1744.41	1443417.35	2253.48	1486760.96	2367.283

23.1. 3 India's Exports of Mustard Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Mustard Products						
Mustard Seeds	229.95	0.664	7281.91	16.235	11169.94	23.664
Crude Mustard oil	171.19	0.843	96.01	0.655	149.71	1.092
Refined Mustard oil	212.43	1.012	267.03	1.275	308.94	1.483
Oilcake and meal of mustard seed expeller variety	21.00	0.028	143.10	0.089	8596.60	3.968
Oilcake and meal of Mustard seed SE	...	...	5.00	0.028	2061.98	0.986
Mustard oil aroma	15.47	10.738	21.64	14.834	18.36	11.881
Total	650.05	13.28	7814.68	33.12	22305.53	43.07

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Mustard Products						
Mustard Seeds	10312.64	20.49	12694.41	24.95	8352.50	16.64
Crude Mustard oil	818.51	4.76	1079.88	5.35	797.84	4.38
Refined Mustard oil	208.07	1.26	206.12	1.34	52.14	0.36
Oilcake and meal of mustard seed expeller variety	13887.29	9.13	18527.64	13.14	7264.04	4.80
Oilcake and meal of mustard seed SE	2978.75	3.13	5784.38	3.90	5846.00	3.53
Mustard oil aroma	7.27	3.40	9.90	5.26	12.75	6.71
Mustard Powder	818.89	1.77	313.29	0.82	266.27	0.68
Total	29031.41	43.95	38615.58	54.75	22591.57	37.08

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Mustard Products						
Mustard Seeds	10636.95	23.64	27530.22	68.49	41330.08	122.37
Crude Mustard oil	1103.61	5.97	1585.30	9.40	999.52	6.07
Refined Mustard oil	177.34	1.03	71.06	0.59	23.28	0.13
Oilcake and meal of mustard seed expeller variety	54105.61	33.82	39444.75	25.10	60297.59	56.84
Oilcake and meal of mustard seed SE	902.62	0.63	325.25	0.35	1037.69	1.21
Mustard oil aroma	29.04	16.62	42.71	18.07	62.01	24.99
Mustard Powder	583.49	1.42	1654.97	5.93	3170.63	10.96
Total	67538.66	83.12	70654.26	127.92	106920.80	222.58

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Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Mustard Products						
Mustard Seeds	14676.89	41.81	14248.68	41.52	35960.18	121.92
Crude Mustard oil	1416.12	8.22	1063.63	7.45	1418.11	9.98
Refined Mustard oil	98.50	0.60	148.88	1.17	211.62	1.93
Oilcake and meal of mustard seed expeller variety	47231.12	52.41	58437.30	67.18	3109.29	3.72
Oilcake and meal of mustard seed SE	1839.00	2.39	2155.48	2.69	512.89	0.58
Mustard oil aroma	104.11	31.75	29.49	11.51	19.23	9.04
Mustard Powder	2435.26	7.45	3857.65	11.32	4445.14	13.78
Total	67801.00	144.63	79941.11	142.84	45676.46	160.95

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Mustard Products						
Mustard Seeds	31715.57	133.24	38523.66	143.53	31815.95	115.18
Crude Mustard oil	1921.09	16.49	2043.01	23.79	2208.40	24.51
Refined Mustard oil	232.64	2.36	173.99	1.73	147.22	1.65
Oilcake and meal of mustard seed expeller variety	34581.64	62.08	122277.6	210.82	78131.28	131.26
Oilcake and meal of mustard seed SE	207.81	0.35	6018.09	8.88	6928.29	13.19
Mustard oil aroma	24.18	15.80	34.88	2.18	22.65	2.11
Mustard Powder	2263.86	11.38	2051.42	10.14	1988.09	9.26
Total	70946.79	241.70	171122.65	401.07	121241.88	297.16

23.1. 4 India's Exports of Soybean Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Soybean products						
Soybeans	75019.59	71.608	909.41	5.346	1715.83	1.903
Flours & meals of Soybean	46974.18	54.502	15467.93	22.263	16632.27	25.902
Soybean oil and its fractions	18347.19	16.284	3760.65	7.580	13378.36	40.058
Oilcake and meal of Soybean Expeller variety	98431.13	82.422	96966.25	81.937	139470.23	122.294
Deoiled cake of Soybean S.E	334655.75	308.353	667248.12	570.908	301989.95	275.002
Defatted Meal of Soybean, SE	1823415.01	1969.675	1619156.44	1409.446	1440805.40	1336.234
Total	2396842.85	2502.84	2403508.81	2097.48	1913992.04	1801.39

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Soybean products						
Soybeans	242273.38	289.51	2106.36	3.54	8771.30	8.40
Flours & Meals of Soybean	6239.81	12.07	2075.63	5.00	16739.17	28.51
Soybean Oil and its Fractions	2550.58	14.42	7579.04	33.71	11659.72	43.59
Oilcake and Meal of Soybean Expeller Variety	635438.05	706.34	587565.35	575.83	1051628.59	1021.65
Deoiled cake of soybean S.E	336407.60	379.48	189670.95	218.44	314444.81	270.06
Defatted Meal of soybean, SE	1726430.71	1903.02	1467541.77	1583.78	3277677.67	2866.27
Other solid residues resulting from extraction of soybean oil	50991.80	54.39	63070.63	67.33	140222.44	112.74
Soya Milk	96.24	0.25	7.94	0.02	59.47	0.19
Soya Sauce	1289.63	2.46	684.24	1.08	241.76	0.42
Isolated Soya Protein	96.54	0.62	128.90	0.54	2.98	0.07
Total	3001814.34	3362.56	2320430.81	2489.27	4821447.91	4351.89

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Soybean products						
Soybeans	3527.67	6.70	7459.75	12.02	44838.47	90.6225
Flours & Meals of Soybean	6465.86	13.64	26598.56	50.01	20538.17	45.8949
Soybean Oil and its Fractions	13230.59	40.42	17080.94	73.76	868.65	3.9515
Oilcake and Meal of Soybean Expeller Variety	687703.90	668.70	417060.37	571.09	341508.21	597.166
Deoiled cake of soybean S.E	210967.20	213.25	141737.89	198.82	165277.92	264.111
Defatted Meal of soybean, SE	3497502.59	3434.06	4140717.85	5787.38	4480747.83	7710.969
Other solid residues resulting from extraction of soybean oil	205659.03	226.09	207380.39	251.79	158193.93	243.2894

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Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Soya Milk	47.10	0.18	46.52	0.07	23.71	0.1567
Soya Sauce	788.10	2.25	373.36	1.43	430.10	1.194
Isolated Soya Protein	21.50	0.22	23.93	0.25	61.74	0.7265
Total	4625913.54	4605.51	4958479.56	6946.62	5212488.73	8958.08

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Soybean products						
Soybeans	24698.98	57.65	15384.07	38.86	37944.92	112.78
Flours & Meals of Soybean	13781.54	30.08	5208.98	15.30	17091.95	50.02
Soybean Oil and its Fractions	2046.86	7.87	652.44	3.61	10520.63	67.28
Oilcake and Meal of Soybean Expeller Variety	203564.12	416.34	285483.85	554.63	221912.11	464.51
Deoiled cake of soybean S.E.	55824.94	124.66	139040.20	254.23	240956.31	487.92
Defatted Meal of soybean, SE	2560960.95	5173.00	4330394.51	7842.71	4212636.33	7902.20
Other solid residues resulting from extraction of soybean oil	331500.58	651.73	461759.17	683.60	576674.04	1084.24
Soya Milk	19.73	0.05	0.02	0.01	165.53	0.52
Soya Sauce	558.71	2.30	459.89	2.02	473.80	2.03
Isolated Soya Protein	37.92	0.60	18.88	0.33	28.33	0.77
Total	3192994.33	6464.28	5238402.01	9395.30	5318403.95	10172.27

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Soybean products						
Soybeans	62813.58	264.60	--	--	--	--
Flours & Meals of Soybean	54634.37	205.64	144229.26	617.73	162762.17	719.37
Soybean Oil and its Fractions	386.24	4.44	456.61	5.27	463.31	4.36
Oilcake and Meal of Soybean Expeller Variety	257082.66	798.49	168197.36	574.92	94747.28	334.03
Deoiled cake of soybean S.E	145569.04	470.33	119370.39	391.77	44482.65	152.01
Defatted Meal of soybean, SE	4036771.96	12018.70	3553931.08	12073.96	1125829.55	3675.00
Other solid residues resulting from extraction of soybean oil	301629.11	868.45	249684.74	780.57	202639.90	688.33
Soya Milk	14.84	0.04	239.08	1.89	51.04	0.50
Soya Sauce	328.72	1.74	534.71	3.78	595.96	3.21
Isolated Soya Protein	20.95	0.77	20.79	0.50	10.34	0.03
Total	4859251.47	14633.20	4236664.02	14450.39	1631582.20	5576.84

23.1. 5 India's Exports of Sesame Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sesame products						
Sesame seeds	183306.29	517.576	218970.40	562.235	118376.05	373.007
Sesame oil and its fractions	586.43	2.757	504.33	2.735	1289.64	6.675
Oilcake and meal of Sesame seed Expeller variety	5.00	0.006	192.08	0.198	587.69	0.337
Total	183897.71	520.34	219666.80	565.17	120253.38	380.02

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sesame products						
Sesame seeds	189112.71	708.89	168280.05	708.95	199807.98	746.60
Sesame oil and its fractions	2247.51	12.22	2598.46	16.19	8384.18	46.05
Oilcake and meal of Sesame seed Expeller variety	54.93	0.04	494.28	0.29	908.32	0.24
Oilcake and Meal of Niger Seeds, Expeller Variety	100.00	0.0642	145.00	0.0987	...	...
Oilcake and Meal of Niger Seeds, Solvent Extracted Variety	100.00	0.0667	...	...	9.00	0.0014
Total	18094.37	45.5448	26283.25	64.8435	28433.67	60.251

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sesame products						
Sesame seeds	233344.83	939.58	317014.91	1642.29	196980.24	1494.26
Sesame oil and its fractions	3852.13	21.95	5466.41	35.42	1699.84	13.36
Oilcake and meal of Sesame seed Expeller variety	1601.61	1.44	1590.70	1.16	3596.52	2.64
Oilcake and meal of Sesame seed Solvent Extraction (SE)	52.70	0.04	669.76	0.34	179.07	0.10
Total	238851.27	963.01	324741.78	1679.21	202455.67	1510.36

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Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sesame products						
Sesame seeds	215733.12	1494.10	398341.90	2307.52	389153.99	2641.66
Sesame oil and its fractions	3515.60	33.27	4530.15	37.66	6841.74	60.88
Oilcake and meal of Sesame seed Expeller variety	3389.04	3.11	5133.05	5.86	2246.11	3.75
Oilcake and meal of Sesame seed Solvent Extraction (SE)	69.85	0.06	1161.62	1.50	359.92	0.45
Total	222707.61	1530.54	409166.72	2352.54	398601.76	2706.74

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sesame products						
Sesame seeds	299482.29	2880.85	257441.11	3583.46	375656.05	4717.77
Sesame oil and its fractions	4493.98	53.40	6490.11	87.45	7070.19	98.54
Oilcake and meal of Sesame seed Expeller variety	2626.13	5.54	2508.79	9.72	2003.33	5.62
Oilcake and meal of Sesame seed Solvent Extraction (SE)	1607.15	1.44	1007.92	1.17	134.32	0.29
Total	308209.55	2941.23	267447.93	3681.80	384863.89	4822.22

23.1. 6 India's Exports of Niger Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Niger products						
Niger seeds	29485.76	80.35	22220.34	47.846	36130.18	77.992
Niger seed oil	...	...	...	...	0.30	0.003
Total	29485.76	80.35	22220.34	47.85	36130.48	77.99

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Niger products						
Niger Seeds	17894.37	45.4139	26138.25	64.7448	28424.67	60.249
Oilcake and Meal of Niger Seeds, Expeller Variety	100	0.0642	145	0.0987	...	...
Oilcake and Meal of Niger Seeds, Solvent Extracted Variety	100	0.0667	...	...	9	0.0014
Total	18094.37	45.5448	26283.25	64.8435	28433.67	60.251

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Niger products						
Niger Seeds	30017.18	66.8732	21682.85	90.0299	13724.04	64.2283
Oilcake and Meal of Niger Seeds, Expeller Variety	160	0.0905	17	0.0472	258	0.2775
Oilcake and Meal of Niger Seeds, Solvent Extracted Variety	11.2	0.0078	...	...	...	...
Total	30188.38	66.9715	21699.85	90.0771	13982.04	64.5058

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Niger products						
Niger Seeds	6004.10	24.23	12863.05	44.51	28225.09	117.27
Oilcake and Meal of Niger Seeds, Expeller Variety	232.55	0.64	106.00	0.11	--	--
Oilcake and Meal of Niger Seeds, Solvent Extracted Variety	--	--	38.00	0.13	0.05	0.001
Total	6236.65	24.87	13007.05	44.75	28225.14	117.271

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Niger products						
Niger Seeds	17944.56	90.13	20841.06	113.61	18155.91	108.96
Oilcake and Meal of Niger Seeds, Expeller Variety	--	--	--	--	--	--
Oilcake and Meal of Niger Seeds, Solvent Extracted Variety	--	--	--	--	--	--
Total	17944.56	90.13	20841.06	113.61	18155.91	108.96

23.1. 7 India's Exports of Linseed Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Linseed products						
Linseed	...	...	...	...	145.76	0.432
Linseed oil Edible and Non-edible	11.81	0.086	85.39	0.491	89.12	0.706
Crude Linseed oil and fractions	9.12	0.048	1.90	0.010	48.59	0.264
Other Linseed oil fractions	12.62	0.058	4.15	0.075	61.08	0.403
Oilcake and meal of linseed	109.25	0.019	...	...	20.30	0.019
Total	142.80	0.21	91.44	0.58	364.85	1.82

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Linseed products						
Linseed	37.14	0.1162	56.15	0.255	340.49	0.9894
Linseed Oil Edible and other than Edible	695.42	5.3956	3093.47	23.9276	4101.09	30.904
Crude Linseed Oil and its Fractions	24.74	0.1002	26.53	0.1719	241.5	1.2644
Other Linseed Oil Fractions	100.35	0.5307	814.27	4.2713	183.1	0.9128
Oil Cake and Meal of Linseed and other Residues	2744.34	2.2584	8613.37	8.9772	11345.86	9.3638
Pigments in Linseed Oil etc.	1234.11	7.4495	2564.82	11.048	7734.36	32.595
Total	4836.1	15.8506	15168.61	48.651	23946.4	76.030

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Linseed products						
Linseed	160.15	0.8964	10.54	0.0418	713.44	2.7048
Linseed Oil Edible and other than Edible	4750.52	53.0234	9695.29	59.3407	774.54	5.2288
Crude Linseed Oil and its Fractions	15.28	0.0752	11.53	0.0859	20.89	0.1622
Other Linseed Oil Fractions	1099.55	4.7722	739.95	4.4617	140.97	0.6167
Oil Cake and Meal of Linseed and other Residues	102904.78	58.8013	42761.37	24.518	6288.5	5.1835
Pigments in Linseed Oil etc.	4032.72	22.7981	308.13	2.6016	72.32	1.5481
Total	112963	140.3666	53526.81	91.0497	8010.66	15.4441

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Linseed products						
Linseed	3519.85	13.50	968.59	3.77	1331.53	6.47
Linseed Oil Edible and other than Edible	324.64	2.10	51.07	0.14	96.11	0.63
Crude Linseed Oil and its Fractions	34.24	0.36	22.08	0.18	24.83	0.24
Other Linseed Oil Fractions	220.47	1.71	267.72	1.69	306.35	2.63
Oil Cake and Meal of Linseed and other Residues	18578.91	29.58	6107.89	8.19	6981.53	8.15
Pigments in Linseed Oil etc.	39.40	0.85	88.78	2.04	17.72	0.44
Total	22717.51	48.10	7506.13	16.01	8758.07	18.56

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Linseed products						
Linseed	6980.22	53.34	19197.22	125.29	10717.74	67.54
Linseed Oil Edible and other than Edible	105.13	0.74	137.04	1.30	85.80	0.86
Crude Linseed Oil and its Fractions	10.38	0.14	17.10	0.24	43.75	0.52
Other Linseed Oil Fractions	266.66	3.34	340.43	3.86	195.93	2.70
Oil Cake and Meal of Linseed and other Residues	6633.86	9.21	8822.70	14.96	8850.22	16.02
Pigments in Linseed Oil etc.	57.73	1.43	186.89	4.55	505.68	12.69
Total	14053.98	68.20	28701.38	150.20	20399.12	100.33

23.1. 8 India's Exports of Sunflower Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sunflower products						
Sunflower seeds	1133.36	0.476	11288.24	3.450	1691.20	5.831
Oilcake and meal of Sunflower	2586.70	2.129	...	...	446.14	0.265
Sunflower oil edible and Non-edible grade	186.39	0.667	79.37	0.320	17.95	0.086
Total	3906.45	3.27	11367.61	3.77	2155.29	6.18

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sunflower products						
Sunflower Seeds	1232.95	4.12	3340.77	10.77	1764.44	7.24
Oil Cake and Meal of Sunflower	889.44	3.01	9721.64	5.44	31073.73	16.71
Sunflower Seed Oil Crude	1.30	0.0071	103.77	0.35	31.28	0.055
Sunflower Oil Edible and Non-edible	298.10	1.25	158.54	0.56	1888.88	9.14
Total	2421.79	8.40	13324.72	17.12	34758.33	33.15

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sunflower products						
Sunflower Seeds	2873.05	11.70	2551.49	10.50	6004.42	28.49
Oil Cake and Meal of Sunflower	322	0.171	5569.92	0.29	1582.15	1.47
Sunflower Seed Oil Crude	10.12	0.045	2664.68	10.62	4.6	0.024
Sunflower Oil Edible and Non-edible	7606.4	28.99	5077.15	26.88	284.79	1.92
Total	10811.57	40.91	15863.24	48.22	7875.96	31.92

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sunflower products						
Sunflower Seeds	4631.18	16.87	4207.90	19.61	5183.25	27.29
Oil Cake and Meal of Sunflower	299.18	0.27	200.82	0.25	87.39	0.11
Sunflower Seed Oil Crude	19.19	0.22	26.21	0.10	80.35	0.23
Sunflower Oil Edible and Non-edible	863.00	6.04	1165.09	7.07	1248.07	11.27
Total	5812.55	23.40	5600.02	27.03	6599.06	38.91

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sunflower products						
Sunflower Seeds	5209.84	43.74	4166.01	33.60	5558.19	39.92
Oil Cake and Meal of Sunflower	2775.43	9.71	3087.77	5.93	1233.10	2.40
Sunflower Seed Oil Crude	86.27	1.07	67.86	1.38	13.62	0.21
Sunflower Oil Edible and Non-edible	909.65	9.49	1290.50	13.08	1846.06	15.98
Total	8981.19	64.01	8612.14	53.99	8650.97	58.51

23.1. 9 India's Exports of Safflower Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Safflower products						
Safflower seeds	1487.40	2.005	422.48	1.138	5505.08	11.937
Oilcake and meal of Safflower	1476.00	0.679	...	...	2075.00	0.902
Safflower (including assorted saffron) used in dyeing	18.05	0.510	21.80	0.381	5.01	0.373
Total	2981.45	3.19	444.28	1.52	7585.08	13.21

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Safflower products						
Safflower Seeds	9436.95	21.18	6751.56	13.67	6503.09	11.72
Safflower Seed Oil (Crude)	4.40	0.02	0.00	0.00	9.00	0.03
Safola Oil Edible and Non-edible	3.97	0.03	3.20	0.02	14.05	0.07
Oil Cake and Oil Meal of Cardi Seed	1393.00	0.62	477.00	0.21	420.00	0.17
Safflower (including BSTRD saffron) used in Dyeing	5.31	0.09	0.00	0.00	35.42	0.34
Total	10843.63	21.94	7231.76	13.89	6981.56	12.34

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Safflower products						
Safflower Seeds	7937.09	14.16	9226.98	21.46	0.00	0.00
Safflower Seed Oil (Crude)	0.00	0.00	15.07	0.15	20.00	0.20
Safola Oil Edible and Non-edible	35.11	0.19	37.95	0.19	30.69	0.22
Oil Cake and Oil Meal of Cardi Seed	0.00	0.00	0.00	0.00	0.31	0.00
Safflower (including BSTRD saffron) used in Dyeing	83.82	0.17	26.51	0.20	0.00	0.00
Total	8056.02	14.52	9306.51	22.00	51.00	0.42

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Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Safflower products						
Safflower Seeds	--	--	--	--	--	--
Safflower Seed Oil (Crude)	16.00	0.01	75.88	0.24	21.46	0.08
Safola Oil Edible and Non-edible	44.13	0.32	86.25	0.64	77.92	0.66
Oil Cake and Oil Meal of Cardi Seed	1.80	0.001	--	--	--	--
Safflower (including BSTRD saffron) used in Dying	--	--	--	--	--	--
Total	61.93	0.331	162.13	0.88	99.38	0.74

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Safflower products						
Safflower Seeds	--	--	7954.07	33.93	7570.49	29.14
Safflower Seed Oil (Crude)	2.76	0.02	0.58	0.02	528.57	7.00
Safola Oil Edible and Non-edible	103.05	1.04	39.18	0.41	160.63	2.15
Oil Cake and Oil Meal of Cardi Seed	--	--	--	--	--	--
Safflower (including BSTRD saffron) used in Dying	--	--	--	--	--	--
Total	105.81	1.06	7993.83	34.36	8259.69	38.29

23.1. 10 India's Exports of Castor Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Castor products						
Castor oil seeds	20464.06	35.642	16437.59	28.578	2779.00	7.756
Castor oil and its fractions	238948.99	859.557	199788.57	572.090	143643.21	491.024
Castor oil dehydrated (Edible and other than edible)	2265.67	12.427	2368.33	11.347	7951.25	29.065
Hydrogenated castor oil	18426.97	80.779	11524.44	42.499	26091.21	89.719
Medicinal castor oil	28.33	0.354	0.75	0.033	0.61	0.014
Oilcake and meal of castor seeds Expeller variety	63593.45	15.561	58408.02	1.255	16484.45	5.278
Total	343727.47	1004.32	288527.71	655.80	196949.73	622.86

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Castor products						
Castor Oil Seeds	1917.29	4.77	1446.60	3.52	1959.39	2.05
Castor Oil and its Fractions	136508.56	548.66	248862.64	976.84	233324.10	845.03
Castor oil dehydrated (Edible and other than edible)	4440.67	18.19	5548.22	23.61	1645.45	8.50
Hydrogenated castor oil	21411.90	89.22	17278.55	77.54	19748.44	86.21
Oilcake and meal of castor seeds Expeller variety	27860.40	7.99	69996.24	18.11	95019.50	28.50
Oilcake and meal of castor seeds SE variety	15459.25	5.65	30441.90	8.58	55409.00	18.28
Total	207598.07	674.47	373574.15	1108.20	407105.88	988.57

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Castor products						
Castor Oil Seeds	117.41	0.36	308.68	1.09	0.00	0.00
Castor Oil and its Fractions	271595.83	986.90	257515.13	1151.17	331665.42	1941.65
Castor oil dehydrated (Edible and other than edible)	1272.26	6.94	6244.77	29.65	1761.89	14.11
Hydrogenated castor oil	22005.22	96.27	18421.82	94.90	23834.06	172.96
Oilcake and meal of castor seeds Expeller variety	89306.28	24.33	226315.83	94.15	213889.83	110.01
Oilcake and meal of castor seeds SE variety	58157.00	17.63	55045.24	25.29	25797.63	14.27
Total	442454.00	1132.44	563851.47	1396.25	596948.83	2253.00

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Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Castor products						
Castor Oil Seeds	--	--	--	--	--	--
Castor Oil and its Fractions	368433.07	1987.32	394771.87	2729.11	455282.46	4156.15
Castor oil dehydrated (Edible and other than edible)	2120.09	15.05	1468.90	108.48	1459.71	17.44
Hydrogenated castor oil	27435.28	176.83	28244.98	239.03	35864.19	397.81
Oilcake and meal of castor seeds Expeller variety	273557.00	96.94	161780.28	65.37	76059.95	37.00
Oilcake and meal of castor seeds SE variety	39554.20	8.20	122278.45	62.36	306100.83	164.15
Total	711099.64	2284.34	708544.48	3204.35	874767.14	4772.55

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Castor products						
Castor Oil Seeds	--	--	207.80	0.75	14.69	0.65
Castor Oil and its Fractions	527465.28	3966.54	505339.63	3995.47	505819.69	4304.08
Castor oil dehydrated (Edible and other than edible)	1449.71	14.74	1124.15	42.57	1046.17	12.44
Hydrogenated castor oil	37090.92	328.52	38331.86	356.40	39636.75	393.65
Oilcake and meal of castor seeds Expeller variety	28873.03	15.39	582.70	0.35	5348.00	3.45
Oilcake and meal of castor seeds SE variety	408149.66	224.02	601849.80	351.86	520280.30	366.95
Total	1003028.60	4549.21	1147435.94	4747.40	1072145.60	5081.22

23.1. 11 India's Exports of Coconut Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Coconut products						
Coconut crude oil	171.12	1.013	20.74	0.098	160.57	0.583
Coconut refined oil	2222.30	15.289	3113.23	15.015	5515.47	23.227
Oilcake and oil meal of coconut	1434.00	0.855	12.00	0.009	6434.92	3.198
Coconut desiccated	144.18	0.313	197.41	0.560	482.05	1.502
Coconut Dried	554.30	1.691	191.25	0.771	714.46	2.318
Coconut shell	291.17	0.483	287.62	1.086	580.60	1.028
Copra	799.28	0.584	11.76	0.066	31.12	0.108
Total	5616.34	20.23	3834.01	17.60	13919.20	31.96

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Coconut products						
Coconut Crude Oil and its Fractions	224.34	1.01	448.51	2.06	79.56	0.61
Coconut Refined Oil and its Fractions	5789.23	24.83	5581.65	27.92	5298.26	27.41
Oil Cake and Oilmeal of Coconut	476.62	0.49	4279.19	2.68	271.80	0.15
Coconut Desiccated	332.06	0.69	433.53	0.50	652.16	1.13
Coconut Fresh	610.33	0.70	941.34	1.01	1402.84	1.33
Coconut Dried	594.62	2.29	583.80	2.56	608.72	2.33
Coconut Shell	266.36	0.83	401.60	0.84	601.84	1.93
Copra	94.68	0.34	764.35	1.30	1283.31	3.43
Total	8388.24	31.19	13433.97	38.87	10198.49	38.32

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Coconut products						
Coconut Crude Oil and its Fractions	92.09	0.49	84.61	0.46	53.11	0.34
Coconut Refined Oil and its Fractions	3584.75	22.49	6732.27	32.63	9801.47	58.07
Oil Cake and Oilmeal of Coconut	65.20	0.09	218.15	0.24	199.50	0.28
Coconut Desiccated	312.07	0.72	1454.73	2.74	2173.30	4.59
Coconut Fresh	1043.41	1.61	2838.16	3.71	6814.46	9.38
Coconut Dried	622.39	2.41	982.19	2.51	1787.08	6.19
Coconut Shell	673.20	2.05	499.70	1.02	1164.55	1.83
Copra	1356.84	5.22	1671.46	5.40	13577.99	55.80
Total	7749.95	35.08	14481.27	48.71	35571.46	136.48

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Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Coconut products						
Coconut Crude Oil and its Fractions	14.13	0.16	69.31	0.40	330.07	2.97
Coconut Refined Oil and its Fractions	5066.85	39.87	4293.26	39.69	6191.61	83.90
Oil Cake and Oilmeal of Coconut	617.35	0.86	13317.28	6.74	339.19	0.57
Coconut Desiccated	2050.04	4.64	4124.84	10.09	5173.48	23.09
Coconut Fresh	13621.04	18.90	15901.17	28.67	24334.96	51.63
Coconut Dried	2957.56	11.19	5164.35	25.10	13742.61	79.36
Coconut Shell	1986.28	3.04	542.70	1.94	784.98	2.68
Copra	22977.16	91.13	18433.14	99.27	17619.23	113.81
Total	49290.41	169.79	61846.05	211.90	68516.13	358.01

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Coconut products						
Coconut Crude Oil and its Fractions	107.68	1.61	30.69	0.66	27.63	0.51
Coconut Refined Oil and its Fractions	6721.73	82.19	6673.80	85.09	7188.94	146.06
Oil Cake and Oilmeal of Coconut	481.01	0.88	586.05	1.86	445.80	0.92
Coconut Desiccated	3004.21	14.65	5165.71	38.69	3243.82	26.66
Coconut Fresh	29906.97	58.09	30397.07	72.35	29020.20	89.28
Coconut Dried	21559.10	103.61	22249.67	161.96	16973.65	212.49
Coconut Shell	1045.78	2.71	613.41	2.18	574.82	3.34
Copra	17282.02	87.16	11957.24	72.44	7284.49	80.93
Total	80108.50	350.90	77673.64	435.23	64759.35	560.19

23.1. 12 India's Exports of Oil Palm Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Oil palm products						
Oil palm nuts and Kernels	18.54	0.073	56.57	0.119	156.50	0.725
Crude Palm Kernel oil	...	...	...	...	1.42	0.0075
Palm oil and its fractions	220.00	0.352	6210.00	17.899	6.51	0.024
Refined palm kernel	75.00	0.147	6575.78	19.090	17.10	0.104
Total	313.541	0.572	12842.349	37.108	181.524	0.861

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Oil palm products						
Pam Nuts and Kernels	1.60	0.01	29.20	0.13	129.09	0.37
Cruded palm kernel Oil	1.42	0.01	1.00	0.00	690.00	1.22
Palm Oil and Its Fractions	1519.64	3.70	111.14	0.47	3637.47	6.90
Refined Palm kernel Oils	98.32	0.28	92.26	0.43	31.27	0.15
Oil Cake and Other Residues of Palm Nut and Kernel	3.00	--	9.00	--	--	--
Total	1623.98	3.9925	242.6	1.0313	4487.83	8.6327

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Oil palm products						
Pam Nuts and Kernels	26.40	0.14	1315.63	9.39	0.00	0.00
Crude palm kernel Oil	1.00	0.01	663.00	2.38	0.84	0.01
Palm Oil and Its Fractions	1802.25	4.33	804.27	3.45	18.98	0.24
Refined Palm kernel Oils	67.56	0.40	54.44	0.37	172.16	1.04
Oil Cake and Other Residues of Palm Nut and Kernel	0.00	0.00	0.23	0.00	0.00	0.00
Total	1897.21	4.87	2837.57	15.59	191.98	1.29

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Oil palm products						
Pam Nuts and Kernels	--	--	--	--	--	--
Crude palm kernel Oil	0.11	0.001	52.35	0.42	19.60	0.10
Palm Oil and Its Fractions	5.87	0.03	240.06	1.10	2297.15	7.71
Refined Palm kernel Oils	86.46	0.40	126.84	0.72	74.29	0.41
Oil Cake and Other Residues of Palm Nut and Kernel	--	--	--	--	--	--
Total	92.44	0.43	419.25	2.24	2391.04	8.22

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Oil palm products						
Pam Nuts and Kernels	--	--	--	--	19.08	0.28
Crude palm kernel Oil	1.10	3.06	--	--	--	--
Palm Oil and Its Fractions	266.34	1.42	61.21	0.07	84.08	0.83
Refined Palm kernel Oils	35.48	0.30	145.37	0.95	671.61	19.21
Oil Cake and Other Residues of Palm Nut and Kernel	--	--	34.00	0.20	763.00	0.75
Total	302.92	4.78	240.58	1.22	1537.77	21.07

23.1. 13 India's Exports of Cotton Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Cotton products						
Cotton seeds	834.83	1.068	276.99	0.525	269.18	0.676
Cotton seed oil	1.95	0.011	80.10	0.264	550.89	2.151
Oilcake and meal of Cotton seed	799.00	0.632	651.90	4.136	50.00	0.026
Total	1635.78	1.71	1008.99	4.93	870.07	2.85

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Cotton products						
Cotton Seeds	559.72	4.3654	727.48	0.9701	362.29	0.8449
Cotton Seed Oil	5626.97	27.197	1975.94	9.6376	1048.02	3.6602
Cotton Cake and Other Residues	1384.54	0.7522	1530.15	0.6794	5529.8	4.3556
Total	7571.23	32.3146	4233.57	11.2871	6940.11	8.8607

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Cotton products						
Cotton Seeds	828.40	1.59	9341.81	13.82	2827.82	6.01
Cotton Seed Oil	127.56	1.03	218.01	1.54	463.37	2.97
Cotton Cake and Other Residues	1804.83	2.19	27230.15	27.92	39666.58	43.16
Total	2760.79	4.81	36789.97	43.28	42957.77	52.14

Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Cotton products						
Cotton Seeds	2183.30	3.82	1629.15	3.37	1054.92	2.65
Cotton Seed Oil	213.48	1.60	150.80	3.27	358.38	10.09
Cotton Cake and Other Residues	27980.40	39.94	34916.96	65.47	45268.65	87.77
Total	30377.18	45.36	36696.91	72.11	46681.95	100.51

23.1. 14 India's Exports of Other Commodities 2000-01 to 2014-15 (April-March)

Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Others						
Ajams	218.67	0.646	2.70	0.020	84.34	0.390
Cake and meal of Mowra	18.00	0.017	680.65	0.432	5104.67	2.703
Cake and meal of sal de-oiled	18.50	0.023	...	...	1346.00	0.699
Sal fat	2593.68	20.109	2977.13	19.795	1507.26	11.391
Jajoba seeds	...	...	0.50	0.022	8.40	0.049
Kokam Flowers	100.87	0.150	...	...	...	...
Kokum	44.24	0.179	2.56	0.022	45.96	0.430
Mango kernel oil	...	...	...	...	18.00	0.128
Mohua flowers	0.30	0.004	106.42	0.054	...	...
Mustard Oleoresins	1.03	0.113	1.81	1.141	3.59	0.268
Neem leaves powder	13.13	0.068	101.67	0.221	22.23	0.061
Oilcake and meal of Neem seed Expeller Variety	725.60	0.242	326.36	0.326	849.90	0.476
Extracts of Neem	29.28	1.100	48.17	3.939	15.74	3.140
Neem seed	106.46	0.386	63.65	0.347	79.63	0.788
Cake and meal of other oilseeds	9.00	0.013	2067.75	1.071	4940.00	2.376
Oil cake and meal of other oilseeds, NES	925.56	0.665	1987.47	0.649	4410.83	2.227
Other Fixed Veg. Oils incl. Kokum, TOB, Ricebran, sal, etc.,	11.03	0.087	224.18	2.019	193.88	1.434
Other Flours & meals of Oilseeds	367.19	0.605	401.83	0.774	200.20	0.365
Other vegetable oils and fats	6974.58	25.320	2598.58	15.604	1597.76	10.114
Others total	12157.11	49.73	11591.40	46.44	20428.37	37.04
Grand Total	3180605.02	4623.91	3225020.32	3894.08	2506206.71	3264.74

Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Others						
Ajams	181.73	0.52	9.44	0.03	18.84	0.06
Oil Cake and meal of Mowra	2049.30	1.48	1618.91	1.24	187.12	0.29
Cake and meal of saldeoiled	22.00	0.03	83.00	0.08	39.00	0.07
Sal Fat	294.37	1.87	43.00	0.30	548.50	2.96
Jajoba seeds	9656.42	89.07	867.23	9.27	390.34	3.89
Kokam Flowers	60.18	0.57	24.59	0.09	4.25	0.02
Kokum	110.21	0.89	132.87	1.09	41.64	0.09
Mango Kernel	12.37	0.10	292.67	0.60	61.52	0.33
Oil Cake and Meal of Mango Kernel	--	--	140.00	0.14	0.08	0.00

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Oilseed Products	2003-04		2004-05		2005-06	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Mohua flowers	0.08	--	--	--	--	--
Neem leaves powder	42.69	0.31	163.68	0.36	373.96	1.31
Oil cake and meal of Neem seed Expeller Variety	569.10	0.53	849.91	0.96	907.50	1.09
Oil cake and meal of Neem seed SE	928.24	0.64	638.20	0.61	413.72	0.53
Extracts of Neem	64.46	5.09	32.34	4.77	18.21	4.26
Neem seed	17.04	0.10	1.21	0.02	100.20	0.45
Oil Cake and meal of other oilseeds NES Expeller Variety	16672.66	12.13	5134.22	3.64	4940.69	2.86
Oil Cake and meal of other oilseeds NES SE Variety	120.00	0.13	2391.97	2.04	588.00	0.36
Other Flours and Meals	221.15	0.36	501.51	1.23	181.23	0.83
Other Fixed Vegetable Fats, Oils and Fractions	2202.69	11.70	7245.52	16.21	4890.86	32.17
Other Vegetable Oils, Fata and their Fractions	1654.09	5.91	418.15	2.61	2118.18	6.48
Sub-Total	34878.78	131.40	20588.42	45.27	15823.84	58.06

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Others						
Ajams	15.53	0.06	1.35	0.01	8.77	0.10
Oil Cake and meal of Mowra	679.18	0.99	402.93	0.50	1036.10	0.88
Cake and meal of saldeoiled	16.00	0.01	56.67	0.10	6193.13	4.12
Sal Fat	1361.63	5.96	18.90	0.11	63.23	0.33
Jajoba seeds	105.68	1.01	162.84	2.14	52.37	1.04
Kokam Flowers	7.14	0.04	9.88	0.05	10.88	0.08
Kokum	28.17	0.11	28.54	0.10	33.74	0.18
Mango Kernel	72.88	0.16	8.58	0.04	6.29	0.08
Oil Cake and Meal of Mango Kernel	0.00	0.00	0.00	0.00	0.00	0.00
Mohua flowers	0.00	0.00	0.00	0.00	0.00	0.00
Neem leaves powder	245.19	0.92	171.51	0.74	294.68	1.08
Oil cake and meal of Neem seed Expeller Variety	1436.57	2.10	1510.57	2.05	1379.46	2.25
Oil cake and meal of Neem seed SE	1267.55	1.54	901.73	1.06	1789.34	2.43
Extracts of Neem	59.84	12.32	113.42	11.79	84.66	10.19
Neem seed	56.70	0.80	36.52	0.36	26.16	0.06
Oil Cake and meal of other oilseeds NES Expeller Variety	5163.34	3.90	2118.56	2.26	2737.19	2.61

Oilseed Products	2006-07		2007-08		2008-09	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Oil Cake and meal of other oilseeds NES SE Variety	5270.15	3.06	219.10	0.17	9554.00	12.12
Other Flours and Meals	353.40	1.38	1161.33	3.27	286.44	1.09
Other Fixed Vegetable Fats, Oils and Fractions	8234.66	53.03	12251.81	123.22	12576.65	222.18
Other Vegetable Oils, Fata and their Fractions	4734.45	18.27	6779.72	76.78	7964.77	115.22
Sub-Total	29108.06	105.67	25953.96	224.73	44097.86	376.06

Oilseed Products	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Others						
Ajams	6.53	0.03	37.63	0.13	42.13	0.18
Oil Cake and meal of Mowra	493.90	0.39	244.82	0.28	223.47	0.48
Cake and meal of saldeoled	3771.93	2.57	64.58	0.08	9.00	0.01
Sal Fat	78.59	0.45	11.41	0.11	24.25	0.24
Jajoba seeds	3.00	0.05	--	--	0.60	0.02
Kokam Flowers	4.37	0.02	4.58	0.06	1.97	0.05
Kokum	27.64	0.17	36.39	0.25	45.29	0.33
Mango Kernel	3.17	0.02	18.59	0.11	11.82	0.16
Oil Cake and Meal of Mango Kernel	--	--	--	--	45.00	0.11
Mohua flowers	1.40	1.18	--	--	--	--
Neem leaves powder	147.88	0.34	71.67	0.28	143.36	0.57
Oil cake and meal of Neem seed Expeller Variety	1130.78	2.12	1847.54	11.31	1735.93	3.27
Oil cake and meal of Neem seed SE	785.42	1.24	1360.00	1.57	575.35	1.09
Extracts of Neem	130.71	22.98	94.95	21.44	201.37	21.75
Neem seed	1.41	0.01	3.19	0.03	7.71	0.75
Oil Cake and meal of other oilseeds NES Expeller Variety	1141.80	0.94	1053.75	0.85	3947.28	5.54
Oil Cake and meal of other oilseeds NES SE Variety	885.10	1.06	3715.31	3.67	538.83	0.51
Other Flours and Meals	232.60	1.29	520.64	2.33	1852.40	6.70
Other Fixed Vegetable Fats, Oils and Fractions	16634.24	259.97	14883.16	179.18	10860.09	151.06
Other Vegetable Oils, Fata and their Fractions	550.84	3.90	287.34	1.92	327.28	3.60
Sub-Total	26031.31	298.73	24255.55	223.60	20593.13	196.42

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Oilseed Products	2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Others						
Ajams	72.88	0.37	4.70	0.07	0.08	0.01
Oil Cake and meal of Mowra	882.00	1.70	102.70	0.28	161.53	0.64
Cake and meal of saldeoiled	33.00	0.09	293.93	0.35	278.72	0.29
Sal Fat	367.33	3.05	31.35	0.33	36.06	0.46
Jajoba seeds	0.50	0.08	0.04	0.20	0.01	0.01
Kokam Flowers	2.54	0.06	1.52	0.08	2.17	0.09
Kokum	18.46	0.28	23.75	0.36	39.61	0.77
Mango Kernel	11.69	0.35	4.03	0.14	21.40	0.24
Oil Cake and Meal of Mango Kernel	45.00	0.10	--	--	--	--
Mohua flowers	6.00	0.01	6.10	0.03	--	--
Neem leaves powder	96.64	0.71	116.25	0.90	63.06	1.34
Oil cake and meal of Neem seed Expeller Variety	1951.93	4.56	2289.83	5.07	1467.43	3.90
Oil cake and meal of Neem seed SE	473.57	0.95	389.86	0.95	456.26	1.16
Extracts of Neem	298.05	41.43	648.95	37.40	181.95	45.48
Neem seed	36.25	0.16	0.88	0.16	0.06	0.02
Oil Cake and meal of other oilseeds NES Expeller Variety	6550.53	11.84	6248.50	10.47	3779.83	7.24
Oil Cake and meal of other oilseeds NES SE Variety	142.90	0.31	24.76	0.02	23.93	0.04
Other Flours and Meals	924.72	5.54	1490.56	8.55	1662.89	10.37
Other Fixed Vegetable Fats, Oils and Fractions	10251.30	112.02	6209.29	84.43	9360.36	147.46
Other Vegetable Oils, Fata and their Fractions	5810.57	92.86	15938.70	185.21	7247.63	163.83
Sub-Total	27975.86	276.47	33825.70	335.00	24782.98	383.35

23.2 Aggregate Exports of Oilseed Products 2001-01 to 2014-15

Oilseed Products	2000-01		2001-02		2002-03		2003-04		2004-05	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut	189249.53	418.00	209310.52	361.98	101341.29	212.42	363802.76	872.16	407457.75	988.45
Rapeseed	9998.19	5.85	32791.38	20.75	69729.88	33.05	278151.42	160.83	867419.12	492.71
Mustard	650.05	13.28	7814.68	33.12	22305.53	43.07	29031.41	43.95	38615.58	54.75
Soybean	2396842.85	2502.84	2403508.81	2097.48	1913992.04	1801.39	3001814.34	3362.56	2320430.81	2489.27
Sesame	183897.71	520.34	219666.80	565.17	120253.38	380.02	191464.52	721.18	172950.15	726.02
Niger	29485.76	80.35	22220.34	47.85	36130.48	77.99	18094.37	45.54	26283.25	64.84
Linseed	142.80	0.21	91.44	0.58	364.85	1.82	4836.10	15.85	15168.61	48.65
Sunflower	3906.45	3.27	11367.61	3.77	2155.29	6.18	2421.79	8.40	13324.72	17.12
Safflower	2981.45	3.19	444.28	1.52	7585.08	13.21	10843.63	21.94	7231.76	13.89
Castor	343727.47	1004.32	288527.71	655.80	196949.73	622.86	207598.07	674.47	373574.15	1108.20
Coconut	5616.34	20.23	3834.01	17.60	13919.20	31.96	8388.24	31.19	13433.97	38.87
Cotton	1635.78	1.71	1008.99	4.93	870.07	2.85	7571.23	32.31	4233.57	11.29
Oil Palm	313.54	0.57	12842.35	37.11	181.52	0.86	1623.98	3.99	242.60	1.03
Others	12157.11	49.73	11591.40	46.44	20428.37	37.04	34878.78	131.40	20588.42	45.27
Grand Total	3180605.03	4623.89	3225020.32	3894.10	2506206.71	3264.72	4160520.64	6125.78	4280954.46	6100.36

Oilseed Products	2005-06		2006-07		2007-08		2008-09		2009-10	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut	363879.34	704.30	380510.12	970.24	425903.28	1453.79	381199.06	1387.21	371286.37	1511.49
Rapeseed	672596.75	363.90	1091421.93	600.72	1165906.00	833.29	1122545.62	1081.21	973925.35	1128.31
Mustard	22591.57	37.08	67538.66	83.12	70654.26	127.92	106920.80	222.58	67801.00	144.63
Soybean	4821447.91	4351.89	4625913.54	4605.51	4958479.56	6946.62	5212488.73	8958.08	3192994.33	6464.28
Sesame	209498.18	793.21	238851.27	963.01	324741.78	1679.21	202455.67	1510.36	222707.61	1530.54
Niger	28433.67	60.25	30188.38	66.97	21699.85	90.08	13982.04	64.51	6236.65	24.87
Linseed	23946.40	76.03	112963.00	140.37	53526.81	91.05	8010.66	15.44	22717.51	48.10

Oilseed Products	2005-06		2006-07		2007-08		2008-09		2009-10	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Sunflower	34758.33	33.15	10811.57	40.91	15863.24	48.22	7875.96	31.92	8981.19	64.01
Safflower	6981.56	12.34	8056.02	14.51	9306.51	22.00	51.00	0.42	61.93	0.33
Castor	407105.88	988.57	442454.00	1132.44	563851.47	1396.25	596948.83	2253.00	711099.64	2284.34
Coconut	10198.49	38.32	7749.95	35.08	14481.27	48.71	35571.46	136.48	49290.41	169.79
Cotton	6940.11	8.86	12697.32	20.44	4999.03	14.25	14123.57	23.22	92.44	0.43
Oil Palm	4487.83	8.63	1897.21	4.87	2837.57	15.59	191.98	1.29	2760.79	4.81
Others	15823.84	58.06	29108.06	105.67	25953.96	224.73	44097.96	376.06	26031.31	298.73
Grand Total	6628689.86	7534.60	7060161.03	8783.86	7658204.59	12991.70	7746463.24	16061.78	5655986.53	13674.66

Oilseed Products	2010-11		2011-12		2012-13		2013-14		2014-15	
	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)	Quantity (1000 kg)	Value (₹ crores)
Groundnut	530568.59	2378.19	866733.55	5412.05	567384.33	4409.19	23166.22	153.12	60195.54	484.07
Rapeseed	1116705.17	1250.073	1479111.82	1411.95	1081588.31	1744.41	1443417.35	2253.48	1486760.96	2367.28
Mustard	79941.11	142.84	45676.46	160.95	70946.79	241.70	171122.65	401.07	121241.88	297.16
Soybean	5238402.01	9395.30	5318403.95	10172.27	4859251.47	14633.20	4236664.02	14450.39	1631582.20	5576.84
Sesame	409166.72	2352.54	398601.76	2706.74	308209.55	2941.23	267447.93	3681.80	384863.89	4822.22
Niger	13007.05	44.75	28225.14	117.27	17944.56	90.13	20841.06	113.61	18155.91	108.96
Linseed	7506.13	16.01	8758.07	18.56	14053.98	68.20	28701.38	150.20	20399.12	100.33
Sunflower	8612.14	53.99	8650.97	58.51	8981.23	64.01	8612.14	53.99	8650.97	58.51
Safflower	162.13	0.88	99.38	0.74	105.81	1.06	7993.83	34.36	8259.69	38.29
Castor	708544.48	3204.35	874767.14	4772.55	103028.60	4549.21	1147435.94	4747.40	1072145.60	5081.22
Coconut	61846.05	211.90	68516.13	358.01	80108.50	350.90	77673.64	435.23	64759.35	560.19
Cotton	419.25	2.24	2391.04	8.22	302.92	4.78	240.58	1.22	1537.77	21.07
Oil Palm	36789.97	43.28	42957.77	52.14	30377.18	45.36	36696.91	72.11	46681.95	100.51
Others	24255.55	223.60	20593.13	196.42	27975.86	276.47	33825.70	335.00	24782.98	383.35
Grand Total	8235926.35	19319.943	9163486.31	25446.38	8070259.09	29419.85	7503839.35	26882.98	4950017.81	20000.00

23.3 India's Country-wise Exports of Groundnut Seeds

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Afghanistan TIS	...	...	1.52	0.23
Algeria	4377.24	2020.30	2461	1175.55
Australia	2.90	0.88	14.99	3.80
Austria	13.80	7.17	...	...
Azerbaijan	...	...	180.00	75.95
Baharain IS	21.10	8.87	0.25	0.19
Bangladesh PR	1.20	0.19	9.00	0.55
Belgium	736.43	298.55	935.00	429.77
Bhutan	201.00	27.78	...	...
Botswana	--	--	1.59	0.55
Brunei	188.00	75.24	347.00	149.54
Canada	1304.80	571.79	1602.00	732.42
China P RP	2885.00	1206.57	4762.18	2101.27
Colombia	1.68	0.86	1.70	1.15
Congo P REP	1.00	0.22	...	...
Croatia	...	...	108	56.9
Egypt A RP	723.00	325.96	258.00	123.72
Fiji IS	1.55	0.88	0	0
Finland	...	...	189.00	67.00
France	3.00	0.78	0.68	0.26
Georgia	...	...	48.50	24.85
Germany	1160.60	469.88	1760.29	773.19
Grenada	70.00	37.32	...	...
Hong kong	246.34	97.19	20.15	8.79
Indonesia	120423.99	45838.75	146105.73	61084.84
Iran	1139.00	473.94	515.00	202.09
Iraq	1031	397.06	...	...
Ireland	151.34	56.22	786.00	353.79
Israel	432.00	178.83	38.00	13.79
Italy	95.00	33.42	1.52	0.60
Japan	678.38	357.5	247.40	137.20
Jordan	196.00	81.61	116.00	47.56
Kenya	0.20	0.09	0.09	0.01
Korea RP	7.36	1.75
Kuwait	272.60	108.21	413.10	180.46

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Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Lithuania	0	0	150.00	70.93
Malawi	0.05	0.04	0.17	0.04
Malaysia	36020.37	13886.77	41405.64	16927.49
Maldives	2.34	0.65	14.52	4.67
Mali	...	...	0.10	0.03
Mauritius	75.00	26.86	321.20	152.95
Mexico	2850.00	1203.94	4531.00	2049.47
Morocco	...	...	20.00	8.53
Nepal	1624.48	450.32	2658.41	724.14
Netherland	1252.18	487.31	1910	925.67
New zealand	...	...	2.28	1.11
Nicaragua	0.10	0.04	...	...
Oman	50.35	15.71	43.22	9.2
Pakistan IR	879.22	312.95	2707.2	1014.77
Philippines	41616.5	16572.23	33940.05	14264.02
Poland	46.00	20.84	...	...
Puerto Rico	50.00	26.75	...	...
Qatar	170.60	64.1	175.07	223.39
Reunion	25.20	13.94	...	...
Russia	246.00	103.46	...	....
Saudi Arab	2121.96	852.46	1188.40	543.94
Senegal	...	...	0.10	0.02
Seychelles	6.23	3.46	5.00	3.48
Singapore	5770.72	2230.66	5752.03	2221.41
Slovenia	39.00	18.72	...	...
South Africa	298.45	124.91	155.00	61.89
Spain	20.00	7.33	...	...
Sri Lanka DSR	2147.48	276.32	2503.49	496.50
Sudan	...	...	0.07	0.04
Swaziland	...	...	323.00	124.18
Sweden	160.00	59.64	...	...
Switzerland	...	...	0.25	0.25
Taiwan	2872.95	1216.81	1944.32	586.67
Tanzania REP	0.58	0.15	0.17	0.10
Thailand	1592.50	646.42	9857.21	4128.82

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Turkey	278.56	69.53	...	...
U Arab Emts	7183.17	2919.44	8882.28	3446.03
U K	10159.07	4089.88	9416.8	3959.43
U S A	217.16	85.55	685.55	458.47
Ukraine	11368.99	5179.60	4284.67	2002.68
Unspecified	180.95	64.99	20.00	9.28
Uruguay	10.00	1.18	...	...
Vietnam SOC REP	1031.55	422.53	149.5	46.65
Yemen Republic	2861.76	1276.29	3912.60	1686.88
Total	269587.62	105407.84	297890.36	123900.91

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Algeria	--	--	499.00	270.82
Angola	314.00	155.47	133.00	77.32
Australia	24.15	11.11	20.43	9.12
Baharain IS	13.93	6.77	58.35	19.53
Bangladesh PR	1.09	0.16	--	--
Belgium	138.58	66.49	304.17	164.72
Benin	--	--	0.01	0.00
Bosnia-Hrzgovin	--	--	16.66	5.60
Botswana	0.57	0.24	0.24	0.13
Brazil	--	--	17.70	10.20
Brunei	374.85	164.17	308.58	169.40
Canada	546.50	280.15	23.28	10.54
China P RP	3400.55	1569.11	19675.75	9122.95
Colombia	--	--	20.74	9.11
Cyprus	6.00	5.74	--	--
Egypt A RP	360.88	174.38	326.00	170.56
Ethiopia	0.00	0.00	707.00	365.95
Fiji IS	1.00	0.55	--	--
France	1.00	0.72	--	--
Gambia	0.04	0.02	--	--
Georgia	20.00	8.59	116.00	54.76
Germany	1110.95	430.27	589.49	297.12

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Ghana	0.06	0.02	--	--
Greece	--	--	113.62	54.21
Guinea	--	--	0.01	0.02
Hong Kong	120.29	52.20	23.04	11.16
Indonesia	136282.02	56035.19	182810.29	93270.95
Iran	1698.02	732.60	2388.88	1192.37
Iraq	37.70	18.34	210.83	110.13
Ireland	7.03	3.74	640.35	330.95
Israel	19.00	7.04	736.73	360.58
Japan	217.47	106.62	305.29	166.93
Jordan	250.00	94.78	304.00	140.26
Kenya	1.10	0.54	0.30	0.17
Korea RP	381.97	180.81	115.83	65.30
Kuwait	200.51	84.14	872.75	362.70
Latvia	--	--	136.00	68.97
Lebanon	19.00	8.95	135.00	63.19
Libya	--	--	21.00	10.38
Lithuania	57.19	21.06	191.00	105.01
Malawi	20.00	8.52	0.00	0.00
Malaysia	63837.63	26936.71	71175.86	37633.07
Maldives	9.46	3.58	6.83	2.89
Mauritius	274.49	128.88	253.30	114.09
Mexico	0.00	0.00	8355.61	4173.97
Morocco	--	--	36.00	17.92
Mozambique	--	--	0.30	0.01
Nepal	2549.70	817.43	1910.71	690.31
Netherland	417.00	212.78	2038.27	1140.24
Netherlandantil	--	--	0.03	0.01
New Zealand	6.46	2.22	0.71	0.30
Oman	251.48	49.44	109.44	48.20
Pakistan IR	17291.34	6432.89	22685.15	9011.04
Philippines	61619.92	26597.87	46009.64	23403.19
Qatar	208.81	87.37	174.97	80.83
Russia	169.00	85.28	3119.30	1665.41
Saudi Arab	2084.31	951.14	2260.18	1185.73

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Senegal	3.00	1.11	--	--
Seychelles	6.65	3.35	2.86	1.92
Singapore	5121.45	2185.10	5399.56	2805.30
South Africa	16.69	34.39	19.31	10.32
Spain	25.00	30.53	7.98	2.93
Sri Lanka DSR	4256.36	1233.72	4716.02	1623.05
Swaziland	38.00	15.66	--	--
Sweden	20.00	7.04	--	--
Switzerland	59.60	24.75	--	--
Taiwan	1555.94	732.55	1637.85	817.05
Tanzania rep	0.10	0.02	0.00	0.00
Thailand	8512.95	3818.22	11496.78	6037.17
Turkey	--	--	19.00	9.39
U Arab Emits	9066.43	3898.03	10637.80	5094.61
U K	3551.59	1891.35	10036.63	5098.09
U S A	49.76	21.26	334.68	174.18
Ukraine	7852.26	3601.85	11511.64	6060.37
Unspecified	1609.00	696.09	600.00	303.04
Vietnam SOC REP	1204.79	593.40	2977.80	1503.82
Yemen Republic	2951.72	1270.81	4397.69	2061.05
Total	340246.34	142593.31	433753.22	217840.61

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Afghanistan TIS	100.00	61.02	--	--
Algeria	6431.97	4302.23	796.47	624.51
Angola	32.00	20.97	54.00	44.21
Australia	63.76	54.29	11.42	5.00
Azerbaijan	20.00	11.80	19.00	15.29
Baharain IS	119.58	65.89	106.68	56.37
Bangladesh PR	404.13	206.76	9.31	3.94
Belgium	21.73	13.32	3.00	1.41
Bosnia-Hrzgovin	16.00	11.29	26.00	21.69
Botswana	0.86	0.33	--	--
Brazil	114.00	59.47	--	--

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Brunei	379.94	236.43	381.00	304.97
Bulgaria	38.00	23.10	--	--
Canada	1771.52	1299.54	377.55	258.16
Cape Verde IS	--	--	80.00	59.53
China P RP	38339.70	24021.36	4721.00	3636.75
Colombia	766.76	536.34	237.00	208.32
Croatia	38.00	21.95	209.00	186.05
Djibouti	252.00	232.78	--	--
Dominic Rep	--	--	29.00	23.93
Ecuador	116.00	79.00	19.00	16.11
Egypt A RP	1245.39	839.61	3207.00	2857.87
Ethiopia	684.00	412.78	426.00	387.51
Fiji is	--	--	2.44	0.42
France	1.00	0.54	--	--
Georgia	427.03	282.87	593.00	494.01
Germany	1230.51	854.72	202.00	168.90
Greece	487.00	358.93	373.00	354.73
Guyana	0.10	0.05	--	--
Hong Kong	420.00	317.31	121.26	104.30
Hungary	18.00	14.80	--	--
Indonesia	252665.94	158992.95	170178.94	125663.96
Iran	720.00	389.86	2306.44	1803.31
Iraq	--	--	18.00	15.58
Ireland	317.00	224.03	--	--
Israel	888.00	558.16	266.00	220.09
Italy	38.00	23.32	--	--
Jamaica	14.00	3.84	--	--
Japan	649.00	505.72	361.00	366.88
Jordan	890.00	508.31	285.00	230.66
Kazakhstan	--	--	288.00	250.88
Kenya	0.40	0.20	--	--
Kuwait	490.67	231.69	2128.18	1646.08
Latvia	482.00	318.03	19.00	17.79
Lebanon	254.00	162.95	190.00	140.09
Lithuania	330.00	241.83	175.00	147.50

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Macedonia	38.00	28.41	--	--
Malaysia	76595.17	48760.49	70274.67	53500.91
Maldives	12.94	6.53	3.29	1.70
Mauritius	156.05	87.68	95.05	72.20
Mexico	33273.73	22796.47	1045.00	878.15
Moldova	--	--	28.00	26.45
Mozambique	66.00	61.55	--	--
Myanmar	60.00	36.39	--	--
Nepal	1540.55	709.11	1088.04	612.82
Netherland	3207.20	2432.61	1468.50	1332.16
Netherlandantil	133.10	112.21	0.10	0.06
New Zealand	37.02	27.55	0.15	0.12
Oman	276.81	106.19	183.98	120.25
Pakistan IR	14038.86	6499.64	10818.25	7468.53
Peru	--	--	10.00	3.93
Philippines	54823.95	35109.01	57906.08	45283.15
Poland	57.00	35.89	0.00	0.00
Qatar	171.81	69.38	226.94	103.77
Russia	10164.53	6907.69	3569.00	2979.73
Saudi Arab	1954.38	1269.83	3044.52	2576.69
Seychelles	2.51	2.12	4.50	2.28
Singapore	5428.18	3372.87	6513.97	4647.81
Slovak rep	--	--	27.55	23.72
Slovenia	19.00	13.25	--	--
South Africa	1797.85	1313.31	1319.50	1007.62
Spain	19.00	15.59	19.00	17.90
Sri Lanka DSR	4496.91	2060.45	1279.00	720.86
Sudan	0.00	0.00	0.16	0.05
Suriname	36.00	26.99	54.00	46.65
Swaziland	40.00	26.82	--	--
Switzerland	--	--	1.20	0.28
Syria	125.00	103.60	--	--
Taiwan	1694.64	925.44	2160.00	1557.19
Tanzania REP	0.03	0.03	0.10	0.07
Thailand	32888.20	21226.09	22765.61	17804.17

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Trinidad	38.00	32.57	39.00	35.20
Tunisia	52.00	36.98	--	--
Turkey	245.00	150.92	19.00	16.05
Turkmenistan	--	--	4.00	3.49
U Arab Emts	8207.71	4712.88	8007.51	6228.57
U K	8187.40	5749.12	23.24	18.73
U S A	743.83	446.14	144.62	105.58
Ukraine	14676.56	9622.58	11064.13	9141.21
Union of Serbia & Montenegro	--	--	37.00	31.42
Vietnam SOC REP	241496.84	150514.33	139362.83	106065.87
Yemen Republic	4537.11	2735.68	4810.00	3764.12
Total	832616.86	524644.76	535637.18	406536.26

23.4 India's Country-wise Exports of Oilcake, Meal and Solid Residues of Groundnut

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	650.00	75.62	30.00	2.22
Belgium	20.00	1.17	...	...
Bhutan	...	...	605.16	116.32
China P RP	69,833.20	7,898.54	52,454.00	7,583.89
Indonesia	1,075.00	121.96	1,394.01	323.10
Italy	...	...	17.00	1.71
Japan	100.00	12.55	...	...
Malaysia	431.00	58.16	...	...
Mauritius	...	...	14.00	5.28
Nepal	28.30	6.77	84.57	6.94
Oman	...	...	684.00	34.33
Saudi Arab	1.46	0.13	...	...
Singapore	...	...	47.00	6.03
Sri Lanka DSR	...	...	973.19	171.55
Taiwan	3650.00	339.93	675.00	96.4
Tanzania Rep	25.00	4.54	...	...
Thailand	21,408.00	2,214.71	5,535.00	734.17
Trinidad	...	...	11.50	2.49
U Arab Emts	0.72	0.09	690.00	37.76

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
U K	110.00	6.63	...	...
U S A	100.00	15.28	...	...
Unspecified	18.00	2.48	...	...
Vietnam Soc Rep	8390.00	1044.96	3696.00	583.33
Total	105,840.68	11,803.52	66,910.43	9,705.52

Country	2009-2010		2010-2011	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	6.36	0.33	--	--
Bangladesh PR	30.00	1.78	--	--
Canada	--	--	15.00	0.31
China P RP	6687.00	1051.81	43085.80	6947.62
Denmark	0.04	0.00	--	--
Hong Kong	36.00	7.16	--	--
Nepal	114.32	16.90	15.45	0.77
Oman	506.00	26.81	--	--
Singapore	44.54	5.71	--	--
Taiwan	--	--	107.00	17.14
U Arab Emts	230.00	12.41	19.50	10.73
U K	0.15	0.03	1.45	1.79
Unspecified	115.00	6.63	745.00	122.25
Vietnam Soc Rep	4546.50	852.91	5813.42	905.86
Total	12315.91	1982.48	49802.62	8006.47

Country	2011-2012		2012-2013	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	0.40	0.10	--	--
C Afri Rep	--	--	2.00	0.40
China P RP	6834.00	1088.96	--	--
Cost Rica	--	--	0.07	0.04
Indonesia	457.00	70.60	11.00	3.47
Malaysia	56.00	9.93	3.20	0.85
Nepal	29.06	5.41	49.05	11.25
Oman	--	--	248.00	60.23
Saudi Arab	0.20	0.05	--	--
Taiwan	2289.98	365.03	342.58	65.31

Country	2011-2012		2012-2013	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
U Arab Emts	9.22	0.61	--	--
Vietnam Soc Rep	3777.00	636.13	3026.00	815.47
Total	13452.86	2176.82	3681.90	957.02

Country	2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Baharain IS	--	--	4.00	0.86
Bangladesh PR	--	--	276.00	55.18
Malaysia	0.10	0.05	--	--
Myanmar	204.00	54.17	1362.00	367.50
Nepal	89.50	32.90	1.00	0.14
Sri Lanka DSR	0.07	0.04	--	--
Taiwan	3470.00	833.67	3087.00	786.02
Tajikistan	--	--	39.00	10.78
Vietnam Soc Rep	3827.00	1070.83	2714.00	806.31
Total	7590.67	1991.66	7483.00	2026.79

23.5 India's Country-wise Exports of Low Erucic Acid Rape or Colza Seeds

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	7,487.03	478.29	926.2	292.30
Taiwan	1,035.00	71.02	1,070.00	125.54
China P RP	1,283.00	113.1	13,349.53	1,516.91
Haiti	...	...	27.00	5.47
Indonesia	4,266.00	326.39	14,542.93	1,633.45
Korea RP	21,550.00	1,387.97	...	...
Malaysia	881.00	59.38	...	...
Nepal	...	...	48.00	4.09
Oman	...	...	525.00	61.54
Philippines	456.00	30.37	875.00	100.70
Singapore	...	...	97.00	10.92
Sri Lanka DSR	147.00	9.86	...	...
Thailand	...	...	4,181.00	484.11
Vietnam Soc Rep	8,187.00	785.67	10,273.26	1,424.41
Total	45292.03	3,262.03	45914.92	5,659.44

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	310.00	34.72	5,284.12	660.26
Taiwan	1,632.00	217.15	250.00	27.77
China P RP	7,682.80	991.73	27,376.58	3,153.20
Indonesia	8,507.20	1,007.71	27,072.30	3,390.01
Iran	204.00	26.58	651.00	52.18
Italy	--	--	1,050.00	103.26
Korea RP	--	--	7,770.00	808.17
Malaysia	252.00	32.98	72.00	7.90
Oman	514.00	67.03	--	--
Philippines	301.00	39.18	1,120.00	144.15
Singapore	--	--	1,692.80	188.26
Thailand	696.00	79.16	6,835.00	681.57
U Arab Emts	--	--	100.00	8.04
Vietnam Soc Rep	2,889.00	370.41	7,918.54	970.80
Unspecified	--	--	222.00	23.70
Total	22988.00	2,866.65	87,414.34	10,219.27

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Taiwan	3,782.00	350.65	3,861.00	675.50
China P RP	28,399.00	2,746.64	--	--
Indonesia	64,975.22	6,350.63	35,444.00	5,862.05
Iran	--	--	16,000.00	2,156.63
Japan	569.00	61.95	--	--
Kenya	42.00	4.85	--	--
Korea DP RP	2,950.00	252.66	--	--
Korea RP	14,800.95	1,371.52	12,240.00	2,169.73
Kuwait	1,191.15	118.95	24.00	2.13
Malaysia	697.00	68.10	437.00	75.49
Myanmar	--	--	308.00	60.26
Nepal	48.15	2.55	--	--
Oman	2,976.00	254.61	--	--
Philippines	2,212.00	215.42	1,274.00	204.60
Singapore	7,162.00	662.68	139.00	21.39
Sri Lanka DSR	--	--	170.00	32.71
Thailand	19,293.80	1,794.77	44,057.00	6,820.25
Turkey	3,050.00	251.18	3,020.00	526.65
U Arab Emts	3,082.00	355.47	4,720.00	908.08
Vietnam SOC REP	10,943.12	1,052.92	33,931.00	5,739.25
Total	1,66,173.39	15,915.55	1,55,625.00	25,254.71

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	297.00	52.56	4,994.50	932.44
Cambodia	--	--	518.00	92.31
Taiwan	9,201.00	1,475.00	1,900.00	313.89
Indonesia	32,876.00	5,175.78	26,138.00	4,320.14
Iran	477.00	80.79	502.00	98.37
Japan	200.00	32.64	695.00	116.26
Korea RP	115,031.00	17,129.59	131,258.00	19,129.15
Kuwait	89.00	16.21	--	--
Malaysia	686.00	106.72	224.00	38.19
Myanmar	236.00	39.23	2,892.00	473.64
Pakistan IR	1,512.00	245.51	6,411.00	1,087.67
Philippines	--	--	903.00	146.94
Singapore	508.00	84.30	513.00	86.26
Sri Lanka DSR	528.00	87.81	42.00	7.18
Thailand	32,944.00	5,106.13	70,480.00	11,475.66
Turkey	2,353.00	347.98	--	--
U Arab Emts	1,832.00	373.43	--	--
Vietnam SOC REP	43,546.00	7,092.98	28,583.00	4,774.21
Total	242316.00	37446.66	276053.50	43092.31

23.6 India's Country-wise Exports of Low Erucic Acid Rape or Colza Oil and their Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	0.30	0.18	...	...
Bangladesh PR	4.00	2.90	...	...
Bhutan	20.00	9.51	...	...
Canada	10.05	2.56	...	...
France	...	...	0.01	0.01
Hong Kong	0.48	0.27	...	...
Maldives	...	...	0.04	0.02
Mozambique	...	...	8.00	3.84
Nepal	68.30	26.11	...	...
New Zealand	7.49	2.88	...	...
Norway	0.01	0.01	..	..
Oman	...	...	1.40	1.31
Russia	2.00	0.91	...	...
Saudi Arab	12.47	2.65	...	...
Singapore	1.50	1.06	...	...
South Africa	1.48	0.59	...	...
Sri Lanka DSR	4.50	1.37	...	...

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Tanzania Rep	0.10	0.04	...	...
U S A	2.00	2.82	...	...
U S A	2.50	1.38	...	...
Vietnam Soc Rep	0.09	0.05	...	...
Total	137.27	55.29	9.45	5.18

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	3.20	2.68	0.11	0.04
Bangladesh PR	500.00	274.27	--	--
Hong Kong	--	--	3.06	1.78
Lebanon	21.40	14.00	--	--
Malaysia	7.00	6.01	3.35	3.21
Maldives	0.67	0.49	0.25	0.23
Nepal	29.38	23.06	1.00	0.55
New Zealand	--	--	0.95	1.07
Nigeria	6.00	9.41	--	--
Oman	1.20	0.79	0.91	0.76
Saudi Arab	9.02	7.33	--	--
U Arab Emts	--	--	1.00	0.84
U S A	14.10	11.72	19.48	13.38
Zambia	--	--	0.01	0.02
Total	591.97	349.76	30.12	21.88

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	0.43	0.39	6.36	7.19
Baharain IS	0.35	0.38	--	--
Brunei	0.17	0.09	--	--
Canada	--	--	2.19	2.24
C Ari Rep	--	--	0.32	0.32
Hong Kong	--	--	7.52	6.77
Kenya	4.30	2.03	--	--
Kuwait	1.00	1.13	5.51	8.66
Malaysia	0.53	0.35	0.18	0.19
Maldives	0.07	0.06	0.15	0.13
Nepal	54.00	40.93	3.59	3.00
Netherland	0.01	0.03	--	--
New Zealand	0.30	0.06	0.40	0.44

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Nigeria	4.20	4.47	--	--
Oman	0.90	0.58	--	--
Qatar	16.01	6.47	1.05	1.72
Reunion	0.96	1.08	--	--
Saudi Arab	1.01	0.32	3.50	3.61
Singapore	1.09	0.70	0.24	0.39
Sri Lanka DSR	15.74	9.63	3.00	3.31
Tanzania REP	--	--	0.50	0.43
U Arab Emts	5.16	3.58	8.45	10.28
U K	--	--	8.10	8.47
U S A	22.67	29.05	18.56	23.80
Yemen Republic	--	--	0.10	0.25
Zimbabwe	--	--	4.20	5.88
Total	128.9	101.33	73.92	87.08

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	1.76	2.05	0.76	0.91
Brunei	0.43	0.49	0.14	0.17
Canada	0.65	0.75	--	--
Ghana	0.20	0.28	--	--
Hong Kong	14.06	18.94	2.30	2.59
Kuwait	0.90	1.10	--	--
Malaysia	0.20	0.30	0.30	0.32
Maldives	0.92	0.67	0.36	0.26
Nepal	0.60	0.49	--	--
New Zealand	0.04	0.05	--	--
Nigeria	0.24	0.29	0.62	0.69
Oman	--	--	2.01	3.00
Qatar	11.48	6.24	10.87	7.29
Singapore	2.00	1.88	6.60	7.40
South Africa	1.00	0.86	--	--
Sri Lanka DSR	7.78	8.76	8.51	8.22
Thailand	--	--	0.66	0.72
U Arab Emts	0.50	0.70	50.05	57.12
U K	--	--	0.06	0.06
U S A	0.26	0.26	3.40	3.90
Total	43.02	44.11	86.64	92.65

23.7 India's Country-wise Exports of Rape or Colza Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	1.90	0.85	..	...
Bangladesh PR	15.00	13.39	413.00	91.66
Canada	0.95	0.64	1.30	0.47
Egypt A RP	...	...	2.50	3.22
France	...	...	0.01	0
Germany	152.87	100.45	0.10	0.40
Hong Kong	1.60	0.97	...	...
Hungary	0.01	0.01	...	...
Jordan	5.50	5.39	...	...
Kenya	...	...	0.03	0.02
Madagascar	0.40	0.22	0.02	0.02
Malaysia	17.20	8.56	...	...
Nepal	7.31	5.58	4.05	2.07
New Zealand	5.5	6.10	0.10	0.15
Nigeria	...	...	4.00	1.49
Philippines	0.22	0.18	...	...
Reunion	0.4	0.22	0.4	0.27
Saudi Arab	6.00	3.66	...	...
Singapore	2.50	1.66	2.20	2.00
South Africa	...	...	0.69	0.54
Sri Lanka DSR	2.70	1.78	...	...
Syria	...	...	3.00	2.39
Tanzania REP	...	...	0.50	0.27
U Arab Emts	...	...	12.79	15.74
U K	0.20	0.15	11.65	2.74
U S A	7.35	4.17	160.50	65.60
Yemen Republic	16.00	7.44
Zimbabwe	15.00	7.34
Total	258.61	168.76	616.84	189.05

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	0.01	0.13	0.40	0.33
Belgium	--	--	0.15	0.11
Bhutan	0.74	0.38	0.00	0.00
Canada	6.20	4.85	3.42	2.99
Fiji is	--	--	0.20	0.18
Georgia	10.00	0.85	--	--
Germany	0.10	0.26	--	--
Greece	2.00	1.14	--	--
Hong Kong	0.00	0.00	5.02	3.77
Kenya	0.00	0.00	1.40	1.15
Korea RP	8.40	6.45	--	--
Kuwait	1.45	2.04	--	--
Malaysia	0.82	0.97	--	--
Martinique	--	--	0.78	0.20
Nepal	105.07	32.95	1.00	1.48
New Zealand	--	--	0.15	0.11
Nigeria	11.00	4.17	10.00	8.49
Oman	--	--	14.00	5.25
Pakistan IR	64.15	35.94	--	--
Philippines	---	--	0.50	0.55
Qatar	--	--	50.40	33.05
Reunion	0.24	0.28	0.07	0.04
Russia	0.00	0.00	0.01	0.39
Saudi Arab	0.56	0.51	8.00	5.03
Singapore	0.00	0.00	2.04	2.53
South Africa	1.00	0.92	2.00	1.93
Sri Lanka DSR	0.00	0.00	0.00	0.00
St Kitt N A	--	--	0.03	0.02
Switzerland	0.55	0.36	--	--
Tanzania rep	0.48	0.21	0.50	0.38
Thailand	--	--	0.23	2.07
U Arab Emts	23.00	11.50	20.27	12.61
U K	11.50	3.62	23.05	16.73
U S A	28.19	13.11	91.54	49.52
Total	275.46	120.64	235.16	148.91

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	3.62	4.27	5.24	5.32
Bangladesh PR	6.91	7.24	--	--
Cameroon	10.00	8.94	--	--
Canada	--	--	1.82	2.29
Ghana	0.06	0.08	--	--
Guinea	0.01	0.01	--	--
Hong Kong	0.50	0.51	0.77	0.83
Kenya	20.70	15.34	0.00	0.00
Malaysia	0.05	0.03	0.49	0.59
Mozambique	0.07	0.06	1.00	0.62
Nepal	19.28	10.29	30.75	22.11
New Zealand	0.80	0.60	1.74	1.95
Nigeria	0.34	0.33	0.00	0.00
Qatar	180.60	117.77	--	--
Reunion	--	--	2.00	0.20
Saudi Arab	--	--	0.72	1.24
Senegal	--	--	0.51	0.70
Singapore	0.40	0.26	--	--
South Africa	--	--	0.40	1.47
Suriname	--	--	0.80	0.95
Switzerland	3.00	3.16	--	--
Tanzania rep	--	--	0.10	0.08
U Arab Emts	315.60	273.62	80.90	109.02
U K	7.00	5.54	2.50	2.66
U S A	9.40	8.62	10.55	12.73
Total	578.34	456.68	140.29	162.76

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	15.12	17.06	14.00	19.52
Bangladesh PR	12.46	31.95	--	--
Bhutan	5.00	2.86	17.43	14.78
Canada	2.70	8.45	7.49	7.17
Congo D. Rep.	0.01	0.40	--	--
Guyana	0.01	0.00	--	--
Hong Kong	2.81	3.03	8.07	9.36
Japan	--	--	0.15	0.15
Malaysia	2.00	2.15	0.78	0.79

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Mauritius	--	--	0.57	0.63
Mozambique	--	--	1.20	1.77
Namibia	0.00	0.01	--	--
Nepal	25.44	18.49	--	--
Netherland	--	--	1.06	1.36
Netherlandantil	--	--	0.06	0.12
New Zealand	0.04	0.15	3.02	4.88
Nigeria	0.81	0.97	0.22	0.27
Oman	--	--	0.20	0.31
Philippines	--	--	0.11	0.13
Russia	0.61	0.75	0.00	0.00
Senegal	--	--	0.93	0.91
Seychelles	0.50	1.03	--	--
Singapore	--	--	1.00	0.77
South Africa	1.51	1.59	1.96	2.33
Sri Lanka DSR	--	--	0.75	1.39
Suriname	0.13	0.19	0.20	0.38
Switzerland	2.35	24.64	0.23	0.60
U Arab Emts	20.15	22.68	0.70	1.47
U K	1.99	3.95	6.59	9.41
U S A	20.81	27.48	10.16	18.47
Zambia	0.13	0.13	--	--
Total	114.58	167.96	76.88	96.97

23.8 India's Country-wise Exports of Rape or Colza Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Algeria	0.14	0.13	...	...
Australia	47.30	26.91	8.76	6.60
Australia	0.60	0.58	8.41	6.87
Baharain IS	0.06	0.06	0.30	0.30
Bangladesh PR	20.00	11.87	...	...
Benin	0.26	0.14	0.20	0.15
Bhutan	221.21	125.55	286.00	133.63
Botswana	0.05	0.03	...	...
Brunei	0.80	0.47	1.00	0.88
Canada	2.58	1.42	27.40	20.71
China P RP	1.20	0.80	...	...

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Egypt A RP	0.10	0.14	...	...
Fiji IS	85.61	51.4	2.75	2.04
France	...	...	2.12	0.98
Germany	0.05	0.04	1.15	0.55
Ghana	0.12	0.08	...	...
Greece	21.48	10.44	...	...
Hong Kong	3.62	2.06	1.80	1.02
Ireland	0.07	0.05	...	...
Italy	0.30	0.15	...	...
Japan	2.47	1.47	4.42	1.09
Jordan	12.58	2.93	8.40	5.78
Kenya	0.72	0.44	0.95	0.52
Korea RP	0.30	0.27	...	...
Kuwait	197.88	125.98	66.40	43.75
Lebanon	...	...	0.31	0.31
Macao	0.30	0.16	...	...
Madagascar	...	...	0.03	0.03
Malaysia	4.71	3.02	7.13	2.11
Maldives	...	...	0.20	0.08
Mauritius	7.84	4.13	10.32	5.70
Mozambique	0.02	0.01	--	--
Nepal	157.1	81.21	99.23	39.67
Netherland	1.1	0.69	2.74	1.43
Netherlandantil	1.11	0.97	0.70	0.61
New Zealand	7.25	5.41	5.37	3.86
Nigeria	0.79	0.44	1.68	0.52
Norway	0.4	0.24	...	...
Oman	0.07	0.04	...	...
Philippines	7.18	3.90	0.50	0.38
Qatar	...	...	11.93	3.16
Reunion	0.2	0.09	0.28	0.18
Russia	0.46	0.19	2.74	1.91
Saudi Arab	51.92	26.93	2.50	1.73
Seychelles	0.01	0.01
Sierra Leone	0.01	0.01

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Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Singapore	29.54	18.35	25.47	15.97
South Africa	18.44	11.78	5.16	3.25
Spain	1.90	1.50	...	...
Sri Lanka Dsr	81.45	40.70	56.29	41.79
Suriname	0.68	0.21	0.30	0.21
Tanzania Rep	...	...	0.16	0.13
Trinidad	0.40	0.27	9.40	2.20
Turkey	5.00	2.94	...	...
U Arab Emts	504.93	342.94	264.28	203.01
U K	86.03	45.48	1.51	0.77
U S A	67.89	43.68	94.20	66.64
Unspecified	...	...	0.30	0.19
Vietnam Soc Rep	0.12	0.10	...	...
Zambia	0.02	0.01	...	...
Total	1656.36	998.81	1022.80	620.72

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	50.65	36.68	59.69	46.13
Baharain IS	40.08	15.46	26.49	14.77
Bangladesh PR	98.00	11.14	--	--
Belgium	0.15	0.09	5.00	3.36
Benin	1.04	0.89	0.49	0.31
Brazil	--	--	0.74	0.61
Brunei	1.80	1.43	0.90	0.84
Canada	64.89	40.26	57.18	43.44
China P RP	0.80	0.68	1.60	0.78
Congo D. REP.	--	--	0.05	0.03
Cote D' Ivoire	0.17	0.14	0.12	0.12
Egypt A RP	0.11	0.11	0.30	0.24
Fiji is	6.23	3.07	0.80	0.62
Finland	--	--	0.50	0.2
Gambia	0.07	0.04	--	--
Germany	19.72	10.66	22.49	13.39
Ghana	0.10	0.04	0.15	0.1
Greece	5.52	3.64	15.23	8.05
Hong Kong	9.39	5.37	17.93	12.93

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Iraq	--	--	1.00	1.11
Israel	--	--	0.15	0.15
Japan	14.77	5.69	16.36	8.48
Jordan	33.45	16.79	--	--
Kenya	1.36	1.01	2.47	2.12
Kuwait	90.58	71.68	79.11	58.1
Lebanon	0.80	0.57	--	--
Liberia	0.64	0.22	0.01	0.01
Macao	--	--	0.30	0.29
Malawi	0.50	0.38	--	--
Malaysia	18.27	7.84	6.91	4.68
Maldives	0.12	0.06	0.30	0.19
Mauritius	24.84	12.15	25.77	11.97
Mozambique	--	--	0.10	0.05
Nepal	129.20	36.05	75.18	56.34
Netherland	0.13	0.17	0.18	0.12
Netherlandantil	1.50	0.93	0.08	0.05
New Zealand	17.02	10.52	8.85	7.92
Nigeria	--	--	3.60	1.63
Norway	--	--	1.40	0.81
Oman	2.00	1.51	3.60	2.46
Philippines	3.13	2.06	9.8	6.02
Poland	0.26	0.18	--	--
Qatar	10.4	1.12	1.10	0.86
Reunion	0.25	0.13	0.20	0.06
Russia	--	--	1.62	1.64
Saudi Arab	17.02	13.31	39.28	25.22
Senegal	0.02	0.01	--	--
Sierra Leone	0.01	0.01	--	--
Singapore	40.43	26.94	72.19	43.93
Slovenia	0.33	0.20	--	--
South Africa	29.67	16.39	30.14	20.94
Sri Lanka DSR	31.86	25.26	27.05	17.09
St Kitt N A	--	--	0.20	0.12
Suriname	2.03	0.95	--	--
Switzerland	1.33	1.63	--	--
Taiwan	--	--	4.89	1.14
Tanzania rep	0.20	0.08	2.13	1.2

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Thailand	1.00	0.77	0.70	0.30
Togo	0.01	0.01	0.04	0.03
Trinidad	7.69	5.88	5.00	5.43
U Arab Emts	460.16	331.55	337.52	273.6
U k	29.15	14.85	47.05	30.49
U s a	244.97	145.02	199.8	132.29
Ukraine	0.15	0.12	--	--
Yemen Republic	--	--	0.19	0.09
Zambia	0.70	0.41	0.20	0.13
Total	1514.69	882.17	1214.13	862.98

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	180.74	118.80	122.67	140.13
Baharain IS	9.64	9.79	37.08	30.12
Benin	0.93	0.49	--	--
Brazil	0.61	0.47	--	--
Brunei	0.60	0.50	0.30	0.39
Canada	38.29	31.14	86.86	101.44
Congo D. Rep.	--	--	0.34	0.35
Cote D' Ivoire	2.77	1.01	0.23	0.16
Czech Republic	0.17	0.19	--	--
Ethiopia	0.01	0.02	--	--
Fiji is	1.01	0.84	10.75	8.49
Germany	15.88	7.00	7.47	6.10
Ghana	2.55	0.83	0.42	0.91
Greece	3.60	1.64	7.00	2.52
Guinea	--	--	0.13	0.21
Hong Kong	25.54	13.01	32.59	43.27
Iraq	--	--	0.7	0.72
Israel	1.07	0.89	--	--
Japan	28.44	11.36	25.36	16.57
Jordan	0.98	0.58	--	--
Kazakhstan	0.29	0.20	--	--
Kenya	4.79	4.45	8.00	6.85
Korea RP	15.00	14.22	--	--
Kuwait	76.25	65.7	111.67	118.38
Lebanon	--	--	2.4	2.15
Liberia	0.30	0.14	--	--

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Macao	0.20	0.11	--	--
Malawi	1.23	1.14	--	--
Malaysia	11.37	10.63	15.09	14.8
Maldives	0.44	0.40	0.22	0.27
Mauritius	36.65	21.65	53.04	37.52
Mozambique	0.30	0.31	0.20	0.19
Nepal	212.44	116.18	486.76	263.35
Netherland	0.70	0.35	0.06	0.10
Netherlandantil	0.13	0.12	0.09	0.10
New Zealand	25.88	16.22	28.24	24.5
Nigeria	5.62	2.68	11.58	4.77
Oman	7.39	5.57	2.38	2.48
Papua N GNA	0.15	0.11	--	--
Philippines	8.14	6.38	11.41	11.47
Poland	--	--	1.20	1.15
Qatar	2.22	1.67	15.72	15.90
Reunion	1.42	0.92	0.12	0.14
Russia	0.90	0.85	22.05	5.15
Saudi Arab	15.71	10.38	57.11	46.71
Singapore	54.68	42.02	98.17	91.8
South Africa	37.28	24.79	49.91	48.39
Sri Lanka DSR	83.27	69.37	38.43	42.82
Sudan	--	--	0.06	0.06
Suriname	0.95	0.87	0.90	0.47
Switzerland	2.00	2.03	5.03	4.14
Taiwan	3.67	1.08	1.36	1.89
Tanzania rep	2.38	2.17	4.70	6.72
Thailand	6.49	4.31	6.11	4.75
Togo	1.00	0.94	0.04	0.06
Trinidad	--	--	7.20	7.55
U Arab Emts	414.25	365.8	409.2	377.28
U K	66.74	44.92	106.53	117.58
U S A	215.95	153.58	265.20	271.91
Uganda	--	--	0.01	0.01
Ukraine	0.01	0.01	--	--
Vietnam SOC REP	--	--	0.02	0.03
Zambia	0.62	0.47	--	--
Zimbabwe	0.02	0.01	--	--
Total	1629.66	1191.31	2152.11	1882.82

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Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	198.04	298.24	148.03	171.28
Baharain IS	24.39	20.57	27.92	28.7
Bangladesh PR	--	--	23.54	40.85
Belarus	1.00	0.77	--	--
Belgium	0.20	0.16	--	--
Benin	0.05	0.06	1.31	3.68
Bhutan	19.83	17.15	5.90	5.11
Botswana	2.44	2.12	0.08	0.08
Brunei	--	--	0.10	0.12
Cambodia	0.50	0.58	--	--
Cameroon	0.11	0.14	0.03	0.03
Canada	97.14	116.74	126.5	148.84
Chile	0.12	0.13	0.10	0.15
China P RP	0.48	0.38	0.30	0.25
Congo D. Rep.	2.28	2.52	--	--
Cote D' ivoire	---	--	0.12	0.13
Equtl Guinea	0.14	0.17	--	--
Fiji IS	3.4	3.79	1.88	2.07
France	--	--	0.06	0.07
Georgia	0.04	0.04	--	--
Germany	12.36	11.9	9.80	9.65
Ghana	4.56	3.18	1.93	2.09
Greece	0.40	0.32	0.40	0.39
Guyana	0.20	0.39	0.02	0.03
Hong Kong	135.73	243.11	22.67	27.2
Iraq	2.50	2.59	0.40	0.49
Ireland	--	--	2.45	2.77
Israel	0.22	0.22	--	--
Italy	--	--	2.00	2.89
Japan	20.44	23.42	23.16	25.91
Jordan	0.64	0.74	--	--
Kazakhstan	--	--	0.36	0.38
Kenya	8.59	7.83	4.35	4.48
Kuwait	96.06	102.91	117.67	142.75
Lebanon	5.30	5.86	--	--
Liberia	--	--	0.19	0.30
Malawi	--	--	0.22	0.07
Malaysia	37.69	25.64	27.57	30.65
Maldives	0.86	0.88	1.66	1.79
Martinique	0.03	0.03	--	--

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Mauritius	43.53	37.31	24.6	20.44
Mozambique	0.48	0.54	0.68	0.60
Nepal	111.40	108.36	126.20	121.36
Netherland	0.93	1.09	0.06	0.11
Netherlandantil	0.17	0.13	0.25	0.37
New Zealand	25.85	28.06	42.08	48.45
Niger	0.21	0.22	--	--
Nigeria	16.69	21.68	5.80	6.07
Oman	77.12	61.43	88.16	81.44
Pakistan ir	--	--	4.00	4.13
Paraguay	--	--	0.06	0.04
Philippines	5.71	5.38	11.42	12.23
Qatar	6.16	7.39	20.73	21.58
Reunion	0.25	0.15	1.54	1.34
Romania	0.02	0.09	--	--
Russia	15.14	15.38	2.04	2.21
Saudi Arab	53.31	67.23	44.69	55.82
Singapore	61.25	68.88	77.55	85.01
Slovenia	0.05	0.06	--	--
South Africa	23	24.92	40.49	50.85
Sri Lanka DSR	111.89	110.72	137.75	131.96
Suriname	2.19	1.56	0.80	0.92
Sweden	--	--	1.44	0.6
Switzerland	3.76	3.60	1.27	1.27
Taiwan	0.90	0.92	1.47	1.99
Tanzania rep	6.50	7.85	7.29	7.32
Thailand	25.84	24.14	15.25	15.43
Togo	2.39	2.56	1.75	4.48
Trinidad	--	--	20.07	21.7
U Arab Emts	447.75	490.96	524.16	552.32
U K	101.75	110.02	135.27	148.4
U S A	388.55	450.24	466.9	563.6
Uganda	0.37	0.27	0.48	0.48
Ukraine	7.00	6.52	--	--
Vietnam SOC REP	0.19	0.23	--	--
Yemen Republic	0.5	0.57	--	--
Zambia	0.12	0.13	0.65	0.41
Zimbabwe	0.04	0.04	--	--
Total	2216.75	2551.21	2355.62	2616.13

23.9 India's Country-wise Exports of Oil Cake and Oil Meal of Mustard

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	32730.10	2078.28	54143.80	5077.10
China P RP	...	...	1340.00	163.15
Egypt A RP	...	...	50.00	8.52
Japan	...	...	0.46	0.04
Malaysia	180.00	18.97	...	...
Nepal	6650.85	431.70	5800.32	556.45
Nigeria	...	...	0.70	0.01
Saudi Arab	4.00	0.23	...	...
Senegal	20.00	5.14	...	...
Singapore	11.00	0.50	...	...
U Arab Emts	17.25	1.07	...	...
U S A	0.80	0.06	...	...
Unspecified	156.00	8.50	...	...
Total	39,770.00	2,544.45	61,335.28	5,805.27

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Baharain IS	--	--	20.00	2.91
Bangladesh PR	45435.30	5022.59	56015.21	6442.34
Canada	--	--	18.76	3.88
Egypt A RP	42.00	15.48	--	--
Fiji IS	--	--	0.34	0.01
Kazakhstan	0.05	0.00	--	--
Nepal	1675.77	176.42	2382.16	267.07
Poland	42.00	17.20	--	--
Qatar	34.50	8.69	--	--
Singapore	1.00	0.33	--	--
U K	0.50	0.17	--	--
U S A	--	--	0.83	0.96
Total	47231.12	5240.88	58437.3	6717.17

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	1.10	0.16	0.50	0.07
Baharain IS	--	--	37.05	4.77
Bangladesh PR	2191.00	290.51	33758.85	5932.03
Canada	--	--	9.00	1.47
Kenya	0.25	0.12	0.05	0.02
Kuwait	0.68	0.46	--	--
Malaysia	1.00	0.58	31.00	9.83
Maldives	1.00	0.10	0.20	0.02
Nepal	878.47	74.37	687.41	250.47
Qatar	--	--	15.00	3.76
Romania	10.00	4.13	--	--
Senegal	0.01	0.01	--	--
South Africa	24.78	0.95	1.58	0.68
U Arab Emts	1.00	0.29	2.00	0.16
Vietnam SOC REP	--	--	39.00	6.36
Total	3109.29	371.68	34581.64	6209.64

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	--	--	9.30	5.09
Bangladesh PR	120018.91	20894.64	76300.20	12812.08
Bhutan	--	--	1.23	0.11
France	--	--	0.08	0.04
Germany	--	--	0.13	0.02
Kenya	0.20	0.09	5.00	1.67
Malaysia	21.00	6.67	--	--
Maldives	--	--	1.50	0.15
Mauritius	--	--	0.05	0.02
Nepal	2149.67	144.98	1783.77	298.24
Qatar	21.00	7.60	--	--
Singapore	1.02	0.33	--	--
South Africa	2.00	0.83	--	--
Sri Lanka DSR	21.00	9.32	--	--
U Arab Emts	21.00	6.98	30.02	8.33
U K	21.00	10.75	--	--
U S A	0.80	0.18	--	--
Total	122277.60	21082.37	78131.28	13125.75

23.10 India's Country-wise Exports of Soybean

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Afghanistan TIS	--	--	1.66	0.51
Australia	11.32	2.40	13.66	3.68
Austria	0.32	0.10	--	--
Baharain Is	6.31	1.03	13.05	3.35
Bangladesh PR	2,880.00	442.28	450.11	65.63
Belgium	0.20	0.03	...	...
Benin	...	...	0.20	0.06
Cambodia	...	...	291.06	71.35
Canada	11.27	3.35	55.05	14.32
Taiwan	43.27	8.93	331.15	97.02
China P RP	200.00	48.67	...	...
Congo P Rep	19.85	5.12	...	...
Cyprus	...	...	0.11	0.07
El Salvador	0.02	0	...	...
Finland	0.4	0.05	...	...
Fiji Is	...	...	...	...
France	2.40	0.75	2,061.70	290.28
Gambia	0.10	0.03	0.3	0.09
Germany	18.55	9.84	5.31	0.87
Ghana	...	...	0.19	0.05
Gibraltar	0.03	0.01	...	...
Greece	...	...	0.20	0.06
Honduras	1.00	0.39	...	...
Hong Kong	...	...	0.60	0.19
Indonesia	...	...	4,144.44	679.57
Iraq	3.50	1.16	...	...
Ireland	...	...	809.10	223.09
Israel	...	...	14.00	2.72
Italy	...	...	31.00	10.12
Japan	4.00	1.61	1,960.00	341.28
Jordan	0.02	...	...	...
Kenya	0.01	...	0.09	0.06
Kuwait	52.52	13.69	100.65	20.99
Liberia	...	...	0.01	0.00
Libya	...	...	0.04	0.01

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Malaysia	15.31	1.93	297.32	53.03
Maldives	0.10	0.02	...	...
Mauritius	7.20	2.19	62.39	11.65
Nepal	323.32	44.01	626.16	159.72
Netherland	11.05	1.74	0.40	0.12
Netherlandantil	...	...	0.72	0.18
New Zealand	2.21	0.73	3.00	0.79
Oman	17.56	2.74	25.29	6.69
Pakistan IR	233.8	49.71	...	...
Peru	5.00	1.81	...	...
Philippines	...	...	0.71	0.17
Qatar	75.21	13.62	149.96	33.31
Reunion	3.62	0.54	5.45	1.18
Saudi Arab	25.50	2.41	33.77	10.92
Singapore	4.03	1.53	984.88	139.55
South Africa	12.54	1.48	0.03	0.01
Spain	...	...	819.50	253.48
Sri Lanka DSR	554.88	99.14	1,509.75	287.88
Sudan	...	...	0.04	0.02
Suriname	1.00	0.92	...	...
Switzerland	0.54	0.20	0.90	0.18
Thailand	0.10	0.03	3,087.10	627.14
Trinidad	7.00	1.98	...	...
U Arab Emts	308.86	66.01	5,322.38	752.61
U K	397.98	96	723.48	228.73
U S A	42.51	16.52	6,800.65	2,192.22
Vietnam Soc Rep	2,155.34	256.82	14,100.81	2,477.27
Yemen Republic	...	...	0.10	0.04
Total	7459.75	1,201.51	44838.47	9,062.25

690 Oilseeds Compendium - 2015

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Afghanistan TIS	0.30	0.30	--	--
Australia	10.60	4.82	8.53	3.04
Austria	0.10	0.04	-- --	--
Baharain IS	13.75	3.29	9.42	1.80
Bangladesh PR	193.27	52.96	29.00	6.98
Belgium	3.58	2.40	4.17	1.77
Canada	1622.71	463.04	9411.07	2428.59
China P RP	--	--	46.00	10.55
Cote d' Ivoire	0.35	0.09	--	--
Cyprus	--	--	10.00	3.57
Fiji is	0.03	0.01	11.10	7.77
France	--	--	20.00	5.68
Germany	1.40	0.44	2.16	0.92
Ghana	0.10	0.04	--	--
Greece	0.60	0.51	--	--
Guinea	2.00	0.63	--	--
Hong Kong	0.23	0.10	2.02	0.53
Indonesia	--	--	178.36	42.62
Iran	0.04	0.02	--	--
Israel	--	--	10.68	1.10
Italy	--	--	6.33	2.66
Japan	10294.46	2137.69	6.83	1.37
Jordan	12.00	3.36	5.00	1.46
Kenya	0.17	0.05	0.03	0.01
Korea RP	--	--	36.00	9.89
Kuwait	6.30	2.62	62.05	9.55
Malaysia	43.11	9.03	80.39	14.04
Maldives	0.23	0.08	--	--
Mauritius	57.98	21.32	30.68	9.19
Mozambique	0.32	0.08	--	--
Nepal	1353.08	225.89	645.39	162.54
Netherland	1.00	0.79	1.18	0.46
Netherlandantil	0.63	0.30	0.57	0.21
New Zealand	6.95	3.03	11.65	3.45
Nigeria	4.30	1.05	4.45	0.60
Norway	0.12	0.15	10.28	0.92

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Oman	28.08	5.14	4.33	1.73
Philippines	277.16	69.30	45.13	10.07
Qatar	79.85	17.10	254.78	53.01
Reunion	9.27	1.48	6.00	1.35
Russia	0.51	0.09	--	--
Saudi Arab	6.97	15.38	110.90	20.54
Seychelles	10.50	2.25	0.02	0.01
Singapore	22.05	5.85	17.57	8.29
South Africa	--	--	22.10	5.94
Sri Lanka DSR	993.02	222.75	340.62	72.69
St Kitt N A	--	--	0.07	0.03
Sudan	--	--	0.32	0.02
Sweden	198.00	55.11	594.00	157.52
Switzerland	1.36	0.32	6.32	1.40
Taiwan	339.00	107.23	158.50	48.15
Tanzania rep	0.20	0.19	--	--
Thailand	0.06	0.05	1.64	0.47
Trinidad	9.99	3.06	21.65	4.52
Turkey	19.52	38.11	--	--
U Arab Emts	322.15	76.95	633.59	112.42
U K	892.70	270.63	343.40	93.55
U S A	5630.62	1471.37	2177.54	562.39
Uganda	--	--	1.00	0.12
Unspecified	240.00	56.48	1.25	0.60
Vietnam SOC REP	1987.97	411.87	--	--
Yemen Republic	0.31	0.13	--	--
Total	24699.00	5764.97	15384.07	3886.09

692 Oilseeds Compendium - 2015

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	41.95	13.99	43.16	17.58
Austria	--	--	192.00	85.45
Baharain IS	14.74	7.70	37.85	11.94
Bangladesh PR	95.00	25.09	10.04	4.53
Belgium	498.27	162.11	2014.40	900.72
Benin	20.00	10.01	--	--
Botswana	--	--	256.00	115.21
Brunei	--	--	0.12	0.04
Canada	10763.00	3207.66	12633.37	5222.12
China P RP	0.30	0.25	1.00	13.40
Congo P REP	0.02	0.01	--	--
Denmark	--	--	0.60	0.31
Djibouti	1400.00	438.24	--	--
Ethiopia	362.57	185.45	9.50	3.96
Fiji is	1.00	0.61	20.91	4.41
France	410.38	133.01	6369.40	2828.49
Germany	0.82	0.70	894.45	402.04
Ghana	176.69	39.35	--	--
Hong Kong	4.05	1.42	5.11	1.24
Indonesia	20.00	4.99		
Iran	--	--	0.02	0.01
Israel	0.20	0.06	--	--
Italy	430.89	134.30	15574.26	6681.56
Japan	5.45	1.49	35.10	12.66
Jordan	2.50	2.67	--	--
Kazakhstan	0.47	0.12	0.30	0.07
Kenya	1.80	0.43	0.10	0.05
Korea RP	2.05	3.72	4977.01	2214.64
Kuwait	125.95	28.83	81.17	36.32
Lebanon	1.77	0.07	--	--
Malaysia	91.04	20.17	130.20	42.18
Maldives	0.46	0.12	--	--
Mali	0.25	1.19	--	--
Mauritius	286.46	99.20	131.00	62.26
Morocco	--	--	45.00	17.12
Mozambique	--	--	13.11	2.06

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Namibia	4.00	4.04	--	--
Nepal	2135.00	557.28	5258.16	1935.52
Netherland	113.81	36.83	1413.16	614.50
Netherlandantil	0.20	0.07	0.04	0.02
New Zealand	20.90	7.36	9.87	5.93
Nigeria	2.00	1.39	5.36	2.03
Norway	--	--	2.50	0.72
Oman	50.61	8.91	14.93	4.76
Pakistan IR	29.07	11.55	22.90	13.22
Papua N GNA	0.20	0.09	--	--
Philippines	1227.61	335.68	929.30	411.60
Qatar	206.35	55.66	139.40	53.59
Reunion	4.57	1.04	--	--
Russia	0.92	0.20	--	--
Saudi Arab	39.27	12.30	67.68	43.27
Seychelles	0.54	0.07	0.89	0.24
Sierra Leone	0.10	0.04	--	--
Singapore	62.21	23.25	90.49	49.62
South Africa	1271.80	346.20	--	--
Spain	--	--	2020.00	894.18
Sri Lanka DSR	30.08	5.53	509.77	179.50
Sudan	46.00	13.33	--	--
Sweden	814.00	244.33	--	--
Switzerland	2.00	0.29	4.73	1.74
Taiwan	2158.75	540.91	1040.00	361.63
Tanzania Rep	--	--	0.15	0.10
Thailand	6.55	0.97	4.60	3.58
Trinidad	6.10	2.30	65.97	8.24
Turkey	--	--	20.00	8.53
U Arab Emts	864.70	230.51	811.97	320.95
U K	3019.33	913.52	703.44	247.36
U S A	9902.17	3091.37	5924.06	2523.05
Uganda	--	--	0.03	0.01
Vietnam SOC REP	1168.00	309.60	279.00	96.15
Total	37944.92	11277.58	62813.58	26460.41

23.11 India's Country-wise Exports of Soybean Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	14.00	7.38	...	...
Ethiopia	...	...	18.05	12.56
Jordan	500.00	243.92	...	...
Philippines	317.00	169.38	...	...
South Africa	2.00	1.28	5.79	14.67
Sweden	0.15	0.17	...	...
U Arab Emts	0.10	0.06	...	...
U K	16.15	12.83	...	...
U S A	0.21	0.27	...	...
Vietnam Soc Rep	152.00	21.47	207.00	90.11
Baharain IS	23.04	12.96	...	...
Bangladesh PR	27.42	11.67	120.00	19.34
Brunei	8.78	3.56	1.80	1.01
Canada	31.76	9.74	16.94	10.85
China P RP	14.00	7.82	...	...
Djibouti	168.9	72.18	...	...
Egypt A RP	...	...	1.00	1.38
Ethiopia	...	...	46.63	21.86
Jordan	13,754.92	5,954.00	...	...
Kuwait	70.02	31.76	...	...
Maldives	...	...	0.45	0.10
Nepal	0.43	0.18	17.00	9.10
Netherland	0.02	0.02	...	...
New Zealand	0.01	0.01	...	...
Oman	2.10	0.77	...	...
Saudi Arab	27.45	15.87	...	...
Sri Lanka DSR	1,243.40	481.80	18.05	12.52
THAILAND	80.00	22.97	...	...
U Arab Emts	10.00	5.74	15.20	10.24
Vietnam Soc Rep	160.00	47.00	...	...
Baharain IS	...	...	1.03	1.04
Bangladesh PR	...	...	16	12.99
Bhutan	75.00	50.35	...	...
Brazil	...	...	0.08	0.05
Canada	0.23	0.11	...	...

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Taiwan	...	...	18.20	13.91
China P Rp	29.00	14.4	...	...
Djibouti	1.00	0.51	...	...
El Salvador	0.50	0.39	...	...
Ghana	0.58	0.46	...	...
Guyana	0.54	0.15	...	...
Kenya	8.00	4.83	...	...
Kuwait	0.50	0.15	0.01	0.01
Lebanon	1.08	0.69	...	...
Malaysia	0.70	0.77	...	...
Mauritius	0.25	0.28	...	...
Mozambique	2.88	1.23	...	...
Nepal	29.92	13.46	278.19	90.64
New Zealand	134.60	56.28	1.60	1.40
Oman	...	...	4.20	2.03
Qatar	...	...	0.64	0.72
Saudi Arab	7.00	4.66	...	...
South Africa	34.01	25.82	26.12	27.48
Sri Lanka Dsr	25.37	18.39	7.74	6.34
Switzerland	...	...	0.08	0.04
Turkey	...	...	35.20	25.52
U Arab Emts	0.50	0.50	5.14	4.90
U K	...	...	0.05	0.06
U S A	0.42	0.24	1.21	1.05
Venezuela	5.00	3.76	...	...
Vietnam Soc Rep	100.00	43.94
Yemen Republic	5.25	3.23
Total	17080.94	7376.18	868.65	395.15

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Afghanistan TIS	--	--	18.52	12.80
Australia	0.64	0.83	0.15	0.08
Bangladesh PR	1190.40	256.80	--	--
Belgium	--	--	0.04	0.01
Brunei	3.00	1.80	--	--
China P RP	--	--	100.50	56.50
Djibouti	514.00	281.80	413.29	217.27
Egypt A RP	3.50	3.37	0.00	0.00
El Salvador	0.27	0.36	--	--
Ethiopia	74.00	59.04	42.00	23.97
France	17.60	11.94	0.13	0.07
Guatemala	0.50	0.56	--	--
Hong Kong	0.30	0.27	--	--
Kenya	--	--	16.32	14.51
Libya	--	--	0.10	0.04
Madagascar	1.20	0.78	--	--
Maldives	0.70	0.56	--	--
Mozambique	--	--	1.00	0.53
Nepal	50.55	42.53	49.79	26.95
Nigeria	17.60	12.29	2.00	1.25
Oman	3.00	3.03	--	--
Panama Republic	0.10	0.28	--	--
Qatar	14.89	8.59	--	--
Reunion	0.10	0.07	--	--
Saudi Arab	1.60	1.04	--	--
Singapore	1.60	0.93	--	--
South Africa	1.39	3.21	--	--
Sri Lanka DSR	14.10	9.96	2.00	2.23
Turkey	52.80	35.97	--	--
U Arab Emts	41.82	22.12	0.80	0.41
U K	--	--	2.40	2.70
U S A	6.01	7.18	2.40	0.50
Vietnam SOC REP	35.20	21.91	0.00	0.00
Yemen Republic	--	--	1.00	0.67
Total	2046.87	787.22	652.44	360.49

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Afghanistan TIS	15.00	10.87	--	--
Argentina	24.00	43.14	--	--
Australia	0.00	0.01	--	--
Belgium	0.08	0.05	--	--
China P RP	141.00	152.06	64.00	148.32
Djibouti	401.31	308.31	118.00	113.75
Egypt A RP	--	--0.00	10.00	13.83
Ethiopia	0.01	0.01	0.00	0.00
Fiji IS	0.12	0.08	--	--
Germany	1800.00	1080.00	0.00	0.00
Greece	--	--	0.80	0.30
Iran	18.00	17.26	--	--
Israel	--	--	1.60	2.63
Japan	8000.00	5007.60	0.00	0.00
Jordan	0.00	0.00	0.00	0.00
Kenya	16.00	16.20	16.66	14.94
Malaysia	0.10	0.02	0.33	0.13
Nepal	96.80	70.82	146.44	116.59
Netherland	--	--	0.40	1.00
New Zealand	0.11	0.04	0.60	0.98
Nigeria	--	--	6.06	5.72
Singapore	0.15	0.09	--	--
South Africa	0.00	0.00	--	--
Sri Lanka DSR	5.60	6.35	3.00	4.34
Turkey	1.92	14.58	--	--
U Arab Emts	0.35	0.34	17.05	17.04
U S A	--	--	1.30	4.45
Total	10520.63	6727.88	386.24	444.02

698 Oilseeds Compendium - 2015

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	0.10	0.10	--	--
Bhutan	--	--	87.80	73.92
China P RP	--	--	2.16	1.85
Congo D. Rep.	0.12	0.11	--	--
Congo P REP	--	--	6.60	6.81
Egypt A RP	6.00	10.79	13.00	23.21
Ethiopia	236.00	232.22	177.00	161.09
Germany	20.20	58.64	--	--
Hong Kong	2.00	0.94	6.00	3.80
Iran	--	--	2.00	1.76
Italy	1.00	1.02	0.00	0.01
Japan	0.02	0.03	--	--
Kenya	16.00	15.59	16.00	15.29
Malaysia	--	--	2.97	0.91
Nepal	45.02	28.89	57.29	35.83
Netherland	--	--	0.06	0.05
New Zealand	0.33	1.30	3.18	2.61
Nigeria	--	--	0.14	0.09
Russia	--	--	0.03	0.02
Saudi Arab	2.00	3.67	--	--
Singapore	--	--	13.02	9.99
Spain	60.00	52.91	1.10	0.65
Sri Lanka DSR	2.00	3.33	4.25	6.54
Tanzania Rep	31.66	28.28	7.15	4.02
Togo	--	--	0.03	0.15
U Arab Emts	--	--	0.05	0.06
U S A	34.16	89.33	63.48	87.17
Total	456.61	527.15	463.31	435.83

23.12 India's Country-wise Exports of Oil Cake and Oil Meal of Soybean

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Albania	...	...	22.00	7.92
Angola	248.00	55.52	...	...
Australia	641.22	133.93	3058.18	518.55
Baharain IS	1,328.50	203.72	15,101.00	2,543.91
Bangladesh PR	260,856.75	33,180.27	253821.17	37,632.34
BELGIUM	34,560.00	5,271.49	13,910.00	1,950.15
Brunei	...	...	54.00	11.91
Bulgaria	614.50	139.66	521.00	149.90
Cambodia	...	...	2,530.00	465.20
Cameroon	41.00	7.46	4,676.00	826.75
Canada	49.44	5.38	21.00	6.14
China P RP	127,410.31	17,666.51	236714.92	37,653.51
Comoros	200.00	27.73	...	...
Cote D' Ivoire	525.00	55.20	...	...
Croatia	20,778.00	2,858.40	...	...
Denmark	...	...	100.00	35.87
Djibouti	...	...	180.00	38.67
Egypt A RP	23,725.00	3,245.48	4,214.00	668.61
Fiji IS	10.19	1.66	1.50	0.66
France	19,960.00	3,155.24	25,718.00	3,884.43
Germany	61.54	12.27	60.63	17.19
Greece	16669.77	2509.02	35200.00	5755.15
Hong Kong	...	...	0.50	0.14
Indonesia	545,549.51	75,802.88	440903.49	75,689.02
Iran	30,850.00	3,832.74	62,215.00	9,805.07
Iraq	12,174.96	1,726.23	11,013.00	1,934.39
Italy	23018.00	3453.27	36320.40	5972.70
Japan	693034.50	92952.23	842730.38	153887.01
Jordan	4,411.00	654.24	86,067.00	15,246.23
Kenya	4,534.30	664.52	9,103.80	1,620.48
Korea DP RP	236.00	47.99	745.00	194.32
Korea RP	410,224.09	57,408.63	248148.71	39,338.56
Kuwait	37369.82	5389.49	60042	10947.33
Macedonia	8.00	1.33
Malawi	21.00	4.92

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Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Malaysia	74,263.79	10,731.56	126450.18	24,383.28
Malta	...	...	40.00	6.97
Mauritius	432.00	61.79	220.00	36.34
Mozambique	112.00	21.22	201.00	35.08
Myanmar	5790.02	929.02	5813.00	1433.63
Nepal	26,144.94	3,278.30	46,177.80	7,438.56
Netherland	30327.51	4713.96	1199.61	198.57
New Caledonia	286.88	43.86	2,328.07	490.72
New Zealand	4015.69	710.66	5936.00	1306.12
Nigeria	...	...	38.00	8.17
Oman	18528.73	2710.70	23695.57	3959.81
Pakistan IR	285,527.03	37,706.32	261597.32	44,648.42
Philippines	95,385.07	13,723.23	55,344.63	9,962.14
Qatar	9.00	1.00	3,084.00	778.45
Reunion	2257.61	301.81	7472.00	1387.05
Russia	1,110.00	204.37	34.00	9.28
Saudi Arab	10713.60	1797.77	19143.10	3357.81
Senegal	...	...	0.15	0.02
Seychelles	1,717.00	247.31	1,501.00	299.71
Singapore	34,577.99	4,926.02	177230.48	29,256.50
Slovenia	...	...	9,738.00	1,347.15
South Africa	53.20	12.91	34391	5666.08
Spain	20.00	0.59	...	...
Sri Lanka DSR	120,970.90	17,079.95	93,426.29	18,134.05
Switzerland	0.75	0.10	193.00	30.75
Syria	...	...	76.00	25.79
Taiwan	17,421.29	2,448.53	100,740.10	15,594.07
Tanzania Rep	7.33	0.31	177.00	34.41
Thailand	357,522.85	50,561.52	354215.50	62,529.78
Trinidad	483.25	65.96	...	...
Turkey	37.00	8.64	...	...
U Arab Emts	45,850.11	6,613.17	164629.86	28,758.06
U K	1203.76	142.77	212.85	57.49
U S A	4348.57	647.12	1227.20	371.29
Uganda	360.00	43.29	...	...

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Ukraine	418.00	75.52	110.00	22.24
Unspecified	...	...	1,213.00	168.98
Vietnam Soc Rep	1,490,235.23	209,547.05	1226796.00	208,030.93
Yemen Republic	7673.00	1,087.42	27,862.50	4,978.88
Zambia	3.00	0.62	...	...
Total	4906896.50	680906.86	5145727.89	881553.61

Country	2009-10		2011-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	2,520.81	654.73	135.80	45.94
Baharain IS	6,055.20	1,253.61	4,397.08	849.21
Bangladesh PR	372,542.69	75,867.82	552,069.81	84,937.02
Belgium	--	--	80,179.00	14,346.75
Benin	0.09	0.04	1.00	0.18
Brunei	773.00	155.46	1,395.60	270.82
Bulgaria	774.00	236.88	489.00	132.25
Cambodia	4,486.00	915.17	22,875.00	4,580.76
Cameroon	--	--	1,696.00	320.76
Canada	17.00	3.75	118.00	31.15
Taiwan	3,115.47	914.96	53,114.11	9,831.20
China P RP	77,646.49	14,690.49	294,213.72	54,143.13
Congo P REP	18.00	3.90	73.00	13.22
Croatia	27,445.00	5,003.80	17,840.00	3,164.76
Djibouti	90.00	20.04	93.00	17.62
Egypt A RP	21,042.60	4,148.26	15,056.00	2,996.63
France	56.00	17.80	81,435.00	15,089.92
Gambia	0.20	0.03	--	--
Georgia	307.00	58.85	193.00	38.50
Germany	71.37	17.82	18,497.82	3,408.38
Ghana	--	--	111.00	31.35
Greece	21,065.00	4,235.41	17,514.00	3,160.32
Guinea	40.00	9.08	--	--
Hong Kong	2,000.00	389.85	39.00	7.05
Indonesia	184,927.91	37,003.57	389,191.84	70,649.60
Iran	74,655.00	14,551.24	59,958.00	11,117.10
Iraq	6,378.50	1,372.66	3,070.00	559.48
Ireland	66.00	28.23	175.01	75.82

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Country	2009-10		2011-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Israel	47.00	16.50	121.00	36.42
Italy	95.00	27.55	20,396.62	3,850.71
Japan	379,242.22	78,653.43	1,191,395.88	207,667.67
Jordan	459.98	129.32	4,267.84	861.11
Kenya	7,735.64	1,745.42	9,594.00	1,942.86
Korea DP RP	173.00	45.49	42,044.00	7,332.73
Korea RP	100,959.49	20,891.66	128,661.06	25,774.20
Kuwait	59,917.98	12,147.03	67,693.90	12,310.01
Lebanon	39.00	10.50	--	--
Madagascar	118.00	25.01	911.00	167.99
Malawi	38.00	11.72	--	--
Malaysia	19,085.47	4,011.93	23,160.32	4,554.26
Mauritius	259.92	56.40	1,344.02	255.91
Myanmar	7,906.00	2,135.17	35,475.15	7,467.01
Mozambique	--	--	19,573.00	3,835.09
Nepal	38,166.83	6,858.23	49,647.12	7,887.81
Netherland	66.76	29.82	653.00	241.16
New Caledonia	842.00	175.95	3,180.00	691.61
New Zealand	367.21	128.24	2,197.30	428.42
Nigeria	--	--	90.00	76.41
Norway	--	--	12.97	0.72
Oman	33,972.91	7,046.11	36,422.00	6,553.00
Pakistan IR	212,062.28	41,566.03	131,112.64	23,583.30
Philippines	45,945.82	10,000.28	80,090.21	15,508.33
Qatar	986.59	195.71	1,202.00	190.82
Reunion	2,728.00	576.55	2,359.00	464.73
Romania	28.00	10.41	--	--
Russia	790.60	222.35	26.46	7.17
Saudi Arab	1,904.90	712.89	13,874.05	2,854.80
Senegal	0.63	0.04	--	--
Seychelles	849.00	170.58	805.00	142.45
Singapore	31,178.53	6,191.33	70,164.38	12,775.99
Slovenia	--	--	18.00	12.75
South Africa	92.00	35.01	2,452.00	516.04
Spain	--	--	18.00	12.84
Sri Lanka DSR	94,181.71	20,345.74	121,846.32	23,420.42

Country	2009-10		2011-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Sudan	--	--	3,921.00	714.50
Sweden	798.00	229.16	600.00	166.66
Syria	56.99	21.19	36.00	11.91
Tanzania Rep	39.00	8.18	26.00	7.08
Thailand	283,459.94	60,427.88	204,072.19	39,792.27
Turkey	13,644.99	2,679.27	58,508.50	10,535.04
U Arab Emts	126,794.99	25,527.64	177,380.24	32,112.33
U K	121.77	32.59	801.00	210.59
U S A	1,732.69	495.47	3,665.31	962.57
Uzbekistan	--	--	488.00	91.56
Vietnam SOC REP	866,117.44	168,847.51	1,078,455.50	195,182.74
Yemen republic	3,883.00	805.13	11,083.00	1,984.09
Zambia	--	--	53.00	14.93
Zimbabwe	--	--	1,034.00	185.03
Unspecified	8,868.00	1,772.24	1,815.00	301.04
Total	31,51,850.61	6,36,572.10	52,16,677.77	9,33,515.99

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Algeria	--	--	38.00	14.44
Angola	301.00	65.42	322.00	99.72
Australia	468.29	147.26	428.23	176.71
Austria	--	--	38.00	17.64
Baharain IS	6,976.00	1,322.39	7,878.00	2,330.60
Bangladesh PR	442,917.35	83,182.31	232,845.52	70,359.36
Belgium	114,250.00	20,498.47	42,500.00	14,346.29
Benin	2,998.00	570.19	--	--
Brunei	1,785.10	373.54	1,874.00	627.61
Bulgaria	656.00	200.01	739.00	286.48
Cambodia	28,336.00	6,117.81	22,325.00	6,903.02
Cameroon	12,926.00	2,535.43	718.00	268.13
Canada	20.00	3.47	1,100.90	427.89
Taiwan	102,430.59	20,525.76	7,868.00	2,590.98
China P RP	99,478.97	18,601.96	8,825.00	2,889.57
Congo P REP	152.00	33.03	--	--
Egypt A R	24,959.20	5,340.16	388.00	141.23

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Ethiopia	44.00	9.10	--	--
France	158,674.00	28,262.54	240,000.58	71,927.28
Fr Polynesia	8,823.00	1,676.31	--	--
Georgia	1,489.00	266.65	211.00	62.17
Germany	11,005.00	1,901.71	8.00	5.23
Ghana	5,971.00	1,266.16	2,406.00	781.88
Greece	16,012.00	3,070.37	25,739.00	7,399.84
Hong Kong	10.00	3.82	21.00	7.42
Indonesia	267,212.45	50,166.11	151,580.00	43,322.56
Iran	125,085.00	23,611.79	695,506.69	218,013.75
Iraq	5,415.00	1,196.48	5,282.83	1,637.52
Ireland	241.80	107.77	88.01	50.69
Israel	135.00	38.91	83.00	35.56
Italy	13,494.50	2,597.42	63,552.00	17,177.13
Cote D' Ivoire	2,466.00	486.37	--	--
Japan	1,194,782.66	221,936.73	606,911.00	171,709.98
Jordan	113.00	35.23	78.00	34.64
Kenya	27,013.28	5,406.17	10,919.50	3,278.99
Korea DP RP	23,500.00	4,245.38	9,507.00	2,020.23
Korea RP	102,338.99	21,170.46	232,022.31	66,801.69
Kuwait	69,888.63	13,471.98	58,256.93	17,090.61
Lebanon	...	...	75.00	31.46
Lithuania	...	...	66,500.00	22,646.15
Madagascar	1,571.00	306.80	1,442.00	443.07
Malawi	1,930.00	396.44	--	--
Malaysia	13,651.46	2,869.18	13,263.40	4,305.90
Maldives	0.10	0.02	0.64	0.26
Mauritius	73.00	13.88	208.00	58.75
Myanmar	61,566.10	12,591.72	89,977.86	27,372.39
Mexico	--	--	38.00	16.44
Mozambique	97,715.00	18,316.99	5,152.80	1,588.94
Nepal	60,623.35	14,061.70	92,676.50	24,839.33
Netherland	3,786.00	1,224.03	2,480.00	993.23
New Caledonia	3,120.00	756.58	2,906.00	825.11
New Zealand	943.67	240.91	2,685.60	873.81
Nigeria	21,549.00	3,974.04	0.37	0.08

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Oman	37,663.00	6,894.88	38,019.10	11,111.09
Pakistan IR	511,776.85	95,453.27	523,828.25	156,250.23
Philippines	39,849.00	7,969.81	21,131.54	6,289.47
Qatar	534.50	102.67	1,145.00	367.01
Reunion	2,237.00	466.74	826.00	309.10
Romania	--	--	21,000.00	7,159.69
Saudi Arab	1,266.97	490.43	29,876.65	8,585.43
Senegal	965.00	174.96	--	--
Seychelles	1.25	0.60	6.99	2.88
Singapore	13,599.98	2,635.82	91,426.66	28,025.79
South Africa	235.00	53.73	54.50	20.73
Spain	--	--	489.00	155.89
Sri Lanka DSR	141,285.25	27,901.38	123,186.71	38,814.50
Sudan	6,068.00	1,205.13	1,879.00	551.17
Suriname	19.00	4.76	--	--
Sweden	940.04	285.60	320.00	132.66
Switzerland	--	--	57.00	28.22
Syria	38.00	13.07	60.00	26.73
Tanzania rep	2,511.00	517.24	1,321.00	411.33
Thailand	423,822.53	82,346.63	425,238.91	131,304.10
Trinidad	...	...	6.50	2.50
Turkey	25,965.00	5,491.02	88,567.00	25,873.20
Turkmenistan	--	--	70.00	26.75
U Arab Emts	118,475.17	22,791.64	131,997.66	37,732.98
U K	1,236.10	354.88	1,313.92	555.10
U S A	7,144.20	1,915.95	3,664.40	1,274.11
Uzbekistan	21.00	6.95	--	--
Vietnam SOC REP	763,901.25	139,162.72	445,175.97	129,148.58
Yemen Republic	2,634.00	483.40	7,390.00	2,243.66
Congo D. Rep.	--	--	38.00	12.25
Zambia	92.00	25.89	62.00	28.25
Zimbabwe	0.20	0.06	1,070.00	319.57
Unspecified	--	--	27.37	9.18
Total	5252178.78	993,887.05	4741052.8	1,415,597.30

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Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Angola	1,935.00	738.95	2,646.00	852.79
Australia	237.64	75.32	233.51	131.48
Baharain IS	3,626.00	1,261.93	5,538.00	1,628.00
Bangladesh PR	234,050.02	76,779.11	219,250.47	73,015.45
Belgium	203,520.19	67,905.85	20,004.97	5,188.36
Brunei	1,455.00	559.62	1,148.00	418.54
Bulgaria	18.00	9.93	358.00	205.38
Cambodia	24,210.00	8,604.23	16,857.00	5,847.89
Canada	567.59	227.90	1,074.89	489.06
Chile	--	--	0.30	0.10
Taiwan	9,738.00	3,250.72	6,772.00	2,103.61
China P RP	6,098.00	2,441.21	24,800.25	10,021.21
Comoros	--	--	19.00	6.04
Croatia	70,630.00	23,887.12	27,250.00	11,717.71
Egypt A RP	15,034.00	5,255.69	102.00	31.77
Equtl Guinea	1.00	0.12	--	--
Finland	40.00	21.68	80.00	41.14
Fiji is	--	--	3.00	1.32
France	279,090.47	90,597.29	159,082.08	47,582.27
Georgia	40.00	11.74	--	--
Germany	36.56	13.71	66.01	31.22
Ghana	352.00	113.38	200.00	61.58
Greece	18,836.92	6,536.44	8,980.00	3,383.96
Guinea	21.00	8.31	36.00	10.50
Hong Kong	17.40	5.21	--	--
Indonesia	144,266.00	48,111.12	14,403.00	5,423.45
Iran	1,141,263.00	408,266.40	225,905.80	70,867.64
Iraq	3,344.00	1,166.83	--	--
Israel	18.00	8.85	89.00	45.44
Italy	39,828.00	13,732.56	8,390.00	2,584.21
Cote D' Ivoire	99.00	38.87	--	--
Japan	258,195.02	81,125.79	43,007.00	14,318.97
Jordan	18.00	9.56	52.00	28.80
Kenya	14,213.00	5,100.08	12,991.00	4,353.09
Korea DP RP	147.00	67.64	--	--
Korea RP	153,690.97	48,031.02	11,643.00	5,103.00
Kuwait	46,394.05	15,826.57	46,632.30	15,008.00
Libya	--	--	177.00	66.53
Madagascar	5,610.00	1,994.10	4,751.00	1,556.21
Malaysia	17,760.70	6,145.44	3,937.58	1,572.87
Maldives	0.12	0.09	0.46	0.39

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Mauritius	686.00	262.31	725.00	258.10
Myanmar	101,499.00	34,978.68	80,853.00	26,893.56
Mexico	36.00	18.59	--	--
Mozambique	2,051.00	774.11	1,514.00	474.51
Nepal	92,899.21	25,408.81	86,984.58	29,955.62
Netherland	64,234.00	23,200.50	192.00	91.56
Netherlandantil	--	--	160.00	78.60
New Caledonia	1,264.00	442.20	852.00	303.08
New Zealand	1,079.44	388.40	380.40	186.86
Nigeria	--	--	63.00	18.70
Norway	34.00	15.89	40.00	17.65
Oman	48,475.00	16,380.14	25,908.00	8,200.41
Pakistan IR	539,188.59	182,652.29	273,056.88	90,116.57
Peru	--	--	6.00	3.71
Philippines	20,819.01	6,682.03	2,488.00	751.85
Qatar	371.00	123.21	475.00	169.52
Reunion	1,774.00	669.25	1,105.00	429.07
Romania	112.59	55.30	80.00	40.07
Russia	16,864.00	6,695.92	208.00	76.93
Rwanda	--	--	89.10	40.57
Saudi Arab	46,572.98	15,037.90	1,072.92	430.49
Seychelles	325.70	127.81	861.25	296.56
Singapore	8,570.24	2,854.65	8,699.53	2,827.17
South Africa	--	--	52.25	25.67
Spain	220.00	109.02	441.00	202.36
Sri Lanka DSR	87,361.77	29,971.94	69,410.88	23,006.04
Sudan	302.00	118.29	2,197.00	930.72
Sweden	606.64	260.12	1,680.00	886.56
Switzerland	900.27	483.22	509.00	269.42
Tanzania rep	3,192.08	1,141.78	513.00	179.74
Thailand	206,176.98	65,776.18	8,888.50	2,814.98
Trinidad	18.95	5.67	8.20	1.50
Turkey	1,188.75	430.09	19.00	8.65
Uganda	0.20	0.03	22.50	6.81
U Arab Emts	10,723.08	3,500.04	6,007.11	2,009.78
U K	5,185.72	2,106.55	4,311.48	1,698.61
U S A	2,585.73	1,152.06	4,399.19	1,910.88
Vietnam SOC REP	124,694.00	40,007.10	11,297.00	3,933.32
Zambia	26.00	12.27	27.00	13.94
Unspecified	6,744.00	2,348.01	5,622.00	1,678.57
Total	40,91,183.58	1,382,120.75	14,67,699.39	484,936.68

23.13 India's Exports of Sesame Seeds

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Afghanistan TIS	2.47	0.65	...	...
Albania	...	...	19.00	15.77
Algeria	1,469.33	793.67	1,112.00	855.05
Angola	0.10	0.06	...	...
Argentina	184.22	97.87	193.74	124.02
Australia	3,791.03	2,395.57	3,578.89	3,304.13
Austria	113.43	60.08	...	...
Baharain IS	122.93	46.64	126.71	92.85
Bangladesh PR	...	...	2.30	1.16
Belarus	19.00	9.08	57.00	48.63
Belgium	2,649.10	1,460.52	1,592.57	1,457.15
Benin	...	...	0.10	0.06
Botswana	1.02	0.65	1.00	0.73
Brazil	2,223.71	1,304.81	1,257.44	1,077.49
Brunei	1.75	0.97	10.25	9.04
Bulgaria	323.00	157.35	679.00	563.45
Cameroon	0.02	0.02	...	...
Canada	3,546.23	2,159.97	2,686.27	2,434.12
Chile	21.00	12.18	26.06	27.5
China P RP	55,831.46	23,764.92	11,503.62	6,856.72
Colombia	18.00	12.47	270.00	255.57
Congo P REP	...	...	19.15	9.20
Costa Rica	...	...	95.00	100.16
Croatia	879.00	521.51	1154.00	1010.36
Cyprus	1,726.50	921.94	1,318.00	1,112.33
Czech Republic	57.00	39.05	...	...
Denmark	324.62	201.72	95.00	68.59
Dominic Rep	15.00	8.54	...	...
Ecuador	39.06	20.62	36.00	41.92
Egypt A RP	6,893.91	3,261.47	3,445.91	2,864.77
Estonia	95.00	72.08	95.00	92.48
Ethiopia	...	...	0.20	0.14
Fiji IS	7.75	4.11	4.87	2.84
Finland	19.05	10.63	18.00	18.28
France	1,587.46	957.17	1,362.98	1,161.54

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Georgia	...	...	7.00	6.57
Germany	14,198.22	8,276.32	7,663.68	6,427.96
Ghana	...	...	0.10	0.13
Greece	15,395.23	9,267.91	10,255.58	9,055.64
Guatemala	5,066.93	3,153.32	855.00	734.84
Hong Kong	756.13	453.97	512.40	423.79
Hungary	433.00	251.68	242.00	239.34
Indonesia	3,070.22	1,753.68	4,951.00	4,217.35
Iran	735.50	384.72	1821.00	1288.1
Iraq	...	...	155.00	123.41
Ireland	0.32	0.18	23.00	18.13
Israel	16,750.95	10,964.65	2,823.20	2,514.59
Italy	4,894.53	2,292.89	4,169.00	3,253.59
Japan	119.53	60.68	67.30	64.36
Jordan	970.48	592.24	947.00	789.86
Kazakhstan	37.00	19.44	...	...
Kenya	43.60	16.69	63.34	33.33
Korea DP RP	...	...	2,906.00	183.91
Korea RP	29,570.14	14,531.08	25,240.00	19,628.50
Kuwait	724.83	420.31	706.67	598.73
Latvia	230.50	132.33	430.25	367.18
Lebanon	2,492.99	1,598.41	1,155.00	951.12
Libya	77.00	55.65	...	...
Lithuania	362.00	216.92	323.50	262.49
Macedonia	58.00	27.12	...	...
Malaysia	7,997.27	3,568.11	6,089.54	3,738.31
Maldives	...	...	...	0.01
Malta	131.33	76.07	122.20	106.16
Mauritius	80.95	34.68	62.61	51.08
Mexico	8,141.76	4,625.66	7,683.28	6,256.79
Morocco	77.20	43.89	158.00	131.57
Mozambique	...	...	0.25	0.08
Namibia	38.00	14.38	...	...
Nepal	181.08	76.22	734.96	312.19
Netherland	15,060.90	8,605.14	10,064.21	8,074.16
Netherlandantil	0.06	0.01	0.14	0.03

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Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
New Zealand	551.83	336.56	254.79	262.53
Nigeria	...	...	0.40	0.15
Norway	348.82	195.57	353	300.37
Oman	23.76	9.07	8.16	5.81
Philippines	869.02	485.42	652.27	566.32
Poland	7,276.13	3,896.56	4,037.00	3,325.10
Portugal	120.00	18.52	5.60	3.35
Puerto Rico	133.15	75.77	19.00	13.58
Qatar	114.85	36.77	30.30	26.29
Reunion	1.49	0.72	0.94	0.93
Romania	1,785.83	1,036.62	1,041.20	942.13
Russia	1,871.91	943.78	61.00	71.79
Saudi Arab	3,875.14	2,354.54	3,660.24	3,136.10
Senegal	...	...	19.07	17.53
Seychelles	0.20	0.08	...	...
Singapore	2,296.93	988.41	3,192.02	1,884.91
Slovak Rep	19.00	9.36	...	...
Slovenia	1,122.94	649.68	365.00	313.14
South Africa	1449.31	836.35	1016.70	867.84
Spain	1022.03	549.22	669.00	553.88
Sri Lanka DSR	624.67	310.25	34.28	20.86
Sudan	0.20	0.10	...	...
Suriname	0.20	0.07	...	...
Sweden	354.31	201.59	267.41	240.66
Switzerland	94.10	49.75	0.10	0.03
Syria	1,939.07	919.91	904.01	774.08
Taiwan	20,981.37	7,874.50	13,688.30	6,944.96
Tanzania Rep	0.84	0.40	2.09	0.99
Thailand	276.87	142.55	918.00	714.88
Trinidad	80.10	45.58	42.00	38.28
Tunisia	150.29	67.71	57.00	60.09
Turkey	25,183.43	13,810.15	9,608.00	7,849.02
U Arab Emts	4,827.85	2,818.53	6,709.74	5,146.85
U K	3,239.30	1,932.58	3,540.44	3,050.53
U S A	20,825.46	11,465.95	16,013.78	14,189.91
Uganda	...	...	0.13	0.16

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Ukraine	1,232.47	760.13	1,083.00	931.65
Union of Serbia & Montenegro	...	...	38.00	35.78
Unspecified	65.24	39.65	40.00	43.65
Uruguay	...	...	19.00	17.12
Vietnam Soc Rep	4,238.00	1,336.96	7,237.00	3,280.79
Yemen Republic	361.00	218.53	400.00	334.88
Total	317014.91	164228.56	196980.24	149426.27

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Albania	18.00	14.21	--	--
Algeria	1177.50	856.32	2729.1	1615.70
Argentina	304.83	233.89	265.52	172.15
Armenia	--	--	19	13.02
Australia	4705.67	3905.36	4626.91	3557.2
Austria	--	--	57.75	54.84
Baharain IS	175.9	109.66	178.22	71.67
Bangladesh PR	--	--	0.07	0.01
Belgium	1831.92	1545.47	1899.67	1405.73
Benin	0.70	0.51	--	--
Bosnia-Hrzgovin	--	--	16.66	2.76
Brazil	2024.97	1659.97	1767.61	1329.15
Brunei	5.00	3.97	21.68	6.92
Bulgaria	298.00	230.65	469.00	320.60
Canada	2932.23	2445.27	4174.13	3142.74
Chile	74.00	60.17	91.43	56.43
China P RP	11042.35	6570.92	28629.04	15894.36
Colombia	19.00	15.35	355.62	266.39
Congo p rep	0.01	0.01	--	--
Costa Rica	27.00	24.39	38.00	27.18
Croatia	1331.18	1002.41	1668.82	1180.50
Cyprus	1189.00	893.05	1505.81	1054.75
Czech republic	--	--	152.00	106.34
Denmark	392.00	168.76	277.10	199.93
Dominic rep	19.00	14.48	74.00	57.98

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Ecuador	167.00	143.43	111.00	83.03
Egypt A RP	5367.42	3758.74	7332.49	4576.24
Estonia	264.10	64.52	779.10	505.53
Ethiopia	--	--	10.00	11.66
Fiji is	2.41	1.72	11.89	3.87
Finland	54.00	49.31	18.00	13.94
France	1381.84	1125.11	2127.55	1615.78
Georgia	5.00	3.94	29.00	22.33
Germany	9928.96	7689.97	12856.84	9228.23
Ghana	0.03	0.03	0.08	0.07
Greece	9188.05	6838.83	14320.11	9383.35
Guatemala	--	--	3554.00	2352.72
Hong Kong	645.61	535.98	721.01	497.3
Hungary	243.00	195.81	281.00	208.46
Indonesia	6347.20	4595.28	5883.46	4263.69
Iran	1720.00	1369.96	3156.24	2162.47
Iraq	97.00	65.38	1053.20	695.27
Ireland	2.02	1.05	2.30	0.96
Israel	6656.13	5135.46	6646.30	4623.45
Italy	4764.21	3127.14	5415.76	3400.69
Japan	69.20	67.71	83.98	69.74
Jordan	1266.51	885.1	2913.06	1821.84
Kenya	65.94	33.16	91.34	45.17
Korea DP RP	--	--	900.00	533.28
Korea RP	28743.32	19078.49	42114.04	30112.65
Kuwait	1402.12	1065.73	1231.04	833.78
Latvia	410.05	341.58	209.11	156.08
Lebanon	1879.21	1458.65	2238.36	1634.37
Liberia	0.02	0.02	--	--
Libya	77.00	56.33	39.00	26.83
Lithuania	342.00	281.52	476.25	334.08
Macedonia	--	--	76	72.22
Malaysia	7276.58	4188.15	8641.08	4623.88
Maldives	1.55	0.77	--	--
Malta	91.00	66.79	90.28	60.32

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Mauritius	74.32	51.17	89.06	31.41
Mexico	3102.00	1948.78	9480.58	4115.73
Moldova	--	--	19.00	11.39
Morocco	279.00	234.17	259.00	185.14
Mozambique	--	--	0.10	0.10
Nepal	782.66	359.76	802.39	304.20
Netherland	10076.37	7562.72	51200.45	9122.61
Netherlandantil	0.02	0.02	0.05	0.02
New Zealand	575.48	499.62	578.33	419.29
Nigeria	0.68	0.56	0.10	0.03
Norway	469.00	398.51	604.30	451.39
Oman	8.65	6.22	267.91	58.39
Pakistan IR	96.62	39.61	77.00	43.72
Peru	--	--	22.00	18.13
Philippines	953.83	705.96	921.98	662.50
Poland	3635.15	2632.02	7165.88	4223.59
Portugal	23.25	42.85	1.25	0.80
Puerto Rico	38.00	29.36	114.00	76.48
Qatar	26.38	10.41	27.42	10.35
Reunion	1.60	1.55	--	--
Romania	1213.81	958.55	1244.26	882.6
Russia	1601.21	1252.26	6664.66	4923.24
Saudi Arab	3218.52	2419.98	4197.65	2812.21
Seychelles	0.25	0.20	--	--
Singapore	2964.88	1529.06	2835.51	1296.3
Slovenia	378.03	292.66	207.00	157.60
South Africa	1165.92	948.36	951.51	673.09
Spain	1206.20	988.90	1927.78	1352.81
Sri Lanka DSR	9.88	8.00	131.34	60.89
Sudan	216.72	135.21	--	--
Suriname	0.17	0.08	--	--
Sweden	437.51	268.59	687.13	473.14
Switzerland	3.03	1.76	56.61	39.57
Syria	550.18	380.3	3073.57	1825.87
Taiwan	17340.64	9120.61	18904.57	9452.07

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Tanzania rep	20.24	15.42	4.60	1.99
Thailand	665.27	491.16	1270.81	875.62
Trinidad	6.15	4.77	38.47	24.41
Tunisia	--	--	663.00	424.57
Turkey	8178.21	5800.46	24595.80	15053.42
U Arab Emsts	5316.57	3991.34	7222.81	4850.57
U k	3158.72	2583.63	4749.72	3385.2
U s a	17953.70	14150.24	22579.60	16778.83
Uganda	0.14	0.12	0.28	0.12
Ukraine	1307.00	961.33	2019.95	1442.92
Uruguay	48.00	37.77	58.00	38.83
Venezuela	--	--	18.5	14.03
Vietnam SOC Rep	10711.52	5159.69	48700.09	28744.2
Yemen Republic	48.00	27.06	724.77	431.95
Unspecified	1842.90	1379.02	753.00	491.28
Total	215733.12	149410.30	398341.90	230752.28

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Albania	--	--	38.00	38.72
Algeria	2115.10	1244.64	1426.15	1315.34
Angola	--	--	0.1	0.09
Argentina	393.13	275.72	394.72	364.85
Australia	4747.69	3689.89	5041.52	5404.86
Austria	56.00	65.79	18.30	12.35
Azerbaijan	--	--	54.00	63.23
Baharain IS	154.50	88.05	124.06	82.59
Barbados	1.00	0.82	1.50	1.03
Belarus	59.00	42.19	--	--
Belgium	2157.84	1635.99	2912	3184.3
Botswana	0.60	0.32	0.51	0.43
Brazil	2060.74	1588.33	2853.26	3151.97
Brunei	6.37	4.27	15.78	3.27
Bulgaria	572.28	427.32	166.00	177.74
Canada	4113.46	3214.06	4730.13	5043

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Chad	--	--	1.50	2.39
Chile	97.29	53.41	130.18	111.92
China P RP	11389.61	6138.5	2807	1995.48
Colombia	163.64	117.65	257.5	232.39
Comoros	--	--	0.05	0.03
Congo p rep	0.03	0.02	0.05	0.07
Costa Rica	56.67	43.54	74.00	79.24
Croatia	1577.90	1132.53	1409.00	1464.98
Cyprus	1322.12	952.89	1468.25	1572.74
Czech republic	18.00	13.48	107.13	93.14
Denmark	114.00	88.68	411.00	417.70
Dominic rep	55.12	42.27	84.00	95.14
Ecuador	203.00	160.79	239.00	248.25
Egypt A RP	20402.34	13334.19	8298.53	8274.65
Estonia	399.00	272.51	1368.00	1034.81
Fiji is	4.67	2.79	6.13	4.94
Finland	36.25	30.79	18.00	19.93
France	1989.03	1546.67	2581.01	2699
Gabon	--	--	0.01	0.01
Georgia	102.37	44.20	54.00	48.69
Germany	13853.55	10310.96	12707.80	13369.57
Ghana	0.10	0.16	0.05	0.05
Greece	10951.50	7731.25	11549.88	12223.08
Guatemala	38.00	23.56	418.00	401.38
Guyana	0.05	0.06	0.08	0.14
Hong Kong	634.45	532.87	688.14	752.55
Hungary	492.15	367.56	571.00	613.27
Indonesia	8399.25	6332.66	8736.37	9353.81
Iran	1979.67	1386.55	4621.00	5071.09
Iraq	1770.50	1249.26	243.00	228.01
Ireland	0.29	0.21	--	--
Israel	6367.77	4754	6724.19	7362.25
Italy	4562.84	2904.09	3899.3.00	3943.47
Japan	116.88	64.86	51.34	55.45
Jordan	4162.72	2722.83	2826.25	2627.98
Kazakhstan	125.15	91.75	304.04	299.81

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Kenya	48.97	29.15	64.94	67.8
Korea DP RP	1200.00	640.30	900.00	849.01
Korea RP	36348.63	30589.9	37700.50	39633.40
Kuwait	1957.99	1169.89	1090.77	1129.53
Latvia	248.00	177.19	339.00	340.38
Lebanon	2687.29	2044.65	2089.00	2201.16
Libya	182.84	93.17	98.00	108.84
Lithuania	572.71	416.17	766.54	812.94
Luxembourg	38.00	30.73	--	--
Macedonia	95.00	90.61	18.00	23.68
Madagascar	0.12	0.03	--	--
Malawi	0.10	0.09	--	--
Malaysia	8998.72	4967.26	7783.46	6340.32
Maldives	0.05	0.05	--	--
Malta	111.54	69.43	89.06	73.1
Mauritius	165.54	74.80	108.91	93.28
Mexico	8491.96	5178.00	4499.50	3720.49
Moldova	--	--	92.17	92.63
Morocco	2.00	1.18	95.00	113.16
Mozambique	37.26	26.18	0.55	0.6
Nepal	786.00	390.31	651.52	487.73
Netherland	11823	8372.71	9495.94	9479.40
Netherlandantil	0.23	0.15	--	--
New Zealand	694.21	513.20	725.28	818.43
Nigeria	0.12	0.08	0.10	0.13
Norway	631.24	488.06	792.23	865.21
Oman	129.86	31.78	103.59	61.78
Pakistan ir	5.00	1.59	5.00	3.27
Peru	--	--	19.00	18.07
Philippines	1255.65	964.63	1010.4	1069.91
Poland	6474.2	4292.64	5076.77	5084.65
Portugal	150.08	46.52	--	--
Puerto Rico	133.00	86.74	152	150.06
Qatar	64.70	41.05	41.77	39.14
Reunion	1.35	0.77	0.95	0.85
Romania	1268.94	928.27	1423.23	1500.18

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Russia	4391.85	3348.34	8323.88	9043.91
Saudi Arab	4433.70	3040.31	3929.95	4139.18
Seychelles	2.27	1.02	1.46	1.15
Singapore	2950.01	1445.30	1806.83	1369.63
Slovak rep	--	--	19.00	27.30
Slovenia	242.00	202.78	336.00	376.27
South Africa	807.69	617.66	908.51	980.87
Spain	1786.06	1299.28	2521.50	2389.11
Sri Lanka DSR	84.16	63.03	64.00	63.86
Suriname	0.05	0.04	--	--
Sweden	397.63	290.44	477.00	538.23
Switzerland	117.03	86.32	40.59	46.96
Syria	6748.78	4003.63	2863.00	2646.37
Taiwan	24467.34	11984.69	14970.00	10439.42
Tanzania Rep	3.80	2.6.	5.14	5.01
Thailand	3113.71	2353.63	1423.34	1101.14
Togo	--	--	0.05	0.01
Trinidad	34.33	38.16	55.39	34.24
Tunisia	1104.65	711.52	1015.00	955.30
Turkey	16223.15	9929.46	12610.92	11107.35
Turkmenistan	--	--	4.00	3.78
U Arab Emts	6391.20	4587.64	3729.49	3824.71
U k	4626.94	3556.09	4459.53	4639.70
U s a	25133.47	19421.10	24168.35	24938.49
Uganda	0.55	0.34	0.31	0.37
Ukraine	2425.17	1787.88	3514.94	3794.08
Union of Serbia & Montenegro	--	--	222.00	249.34
Uruguay	37.00	25.32	56.00	55.45
Vietnam SOC Rep	89087.97	57518.53	45664.02	36120.81
Yemen Republic	2115.06	1368.15	628.00	472.74
Zambia	--	--	0.10	0.05
Zimbabwe	0.50	0.27	--	--
Total	389153.99	264165.74	299482.29	288085.14

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Country	2013-14		2014-15	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Albania	57.00	75.86	77.00	93.02
Algeria	2039.00	2849.01	2459.00	3180.17
Angola	--	--	0.20	0.27
Argentina	339.54	501.11	250.45	378.67
Armenia	19.00	25.84	18.25	22.10
Australia	5120.92	8143.17	5114.14	7584.29
Austria	72.00	110.63	423.20	629.43
Azerbaijan	18.00	22.88	38.00	57.34
Baharain IS	121.21	185.22	125.27	168.78
Bangladesh PR	--	--	2.00	0.95
Barbados	1.00	1.49	2.00	1.59
Belarus	--	--	36.00	49.96
Belgium	2577.85	4082.62	2572.27	3653.06
Bosnia-Hrzgovin	29.00	48.47	10.00	12.47
Botswana	0.50	0.51	0.80	0.70
Brazil	2185.50	3409.64	2739.57	3991.89
Brunei	--	--	0.05	0.10
Bulgaria	425.00	667.13	670.00	906.69
Burundi	--	--	1.00	1.22
Cameroon	--	--	0.03	0.08
Canada	4109.23	6387.38	5220.21	7690.26
Chile	207.00	337.13	394.65	487.89
China P RP	3832.00	3902.13	36457.10	38385.79
Colombia	19.00	35.15	58.00	81.28
Comoros	0.10	0.14	--	--
Congo d. Rep.	1.78	3.24	--	--
Costa Rica	75.00	116.08	96.00	143.08
Croatia	1454	2125.01	1545.6	2127.35
Cyprus	1608.25	2488.92	1487.75	1946.14
Czech republic	90.00	137.63	19.00	30.88
Denmark	400.02	612.66	586.70	885.19
Dominic Rep	152.00	221.98	190.00	253.67
Ecuador	243.00	366.26	301.75	486.08
Egypt A RP	6375.50	8506.32	7142.43	9317.27
Estonia	--	--	608	839.59
Fiji is	2.09	2.61	5.34	9.20

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Finland	18.00	30.49	36.00	54.73
France	2567.40	4001.08	3717.33	5468.52
Gambia	0.10	0.09	0.11	0.16
Georgia	125.00	196.78	312.00	442.24
Germany	9709.42	14897.08	13807.69	20143.38
Ghana	0.07	0.15	0.53	0.9
Greece	11151.17	16853.98	10362.55	14268.13
Guatemala	--	--	94	143.85
Guyana	0.70	0.98	--	--
Hong Kong	603.51	949.65	672.68	1075.66
Hungary	525.35	811.29	570.02	829.72
Indonesia	6664.81	10095.07	6506.50	9284.32
Iran	7442.39	12006.63	10909.40	15927.69
Iraq	488.00	680.20	1627.00	2096.08
Ireland	91.50	152.41	264.00	392.66
Israel	5692.15	9079.46	8386.76	11576.29
Italy	3132.64	4796.57	4159.21	5552.06
Japan	7.00	9.61	1.31	2.29
Jordan	2485.65	3496.94	1705.00	2227.15
Kazakhstan	190.00	271.12	207.05	264.55
Kenya	51.72	75.93	86.52	117.87
Korea DP RP	654.00	817.41	84.00	113.56
Korea RP	29199.02	41325.63	37022.06	44448.03
Kuwait	1250.27	1772.04	2922.85	4031.86
Latvia	266.00	442.88	210.00	301.26
Lebanon	2685.00	4220.72	3168.60	4319.38
Libya	231.00	348.86	489.39	712.33
Lithuania	749.00	1128.32	526.90	760.50
Macedonia	313.50	449.43	248.00	313.99
Malawi	--	--	0.13	0.26
Malaysia	8448.59	9009.51	9705.51	9731.02
Maldives	0.09	0.13	0.20	0.37
Malta	110.00	151.49	96.10	115.51
Mauritius	64.17	71.57	127.65	176.36
Mexico	4918.60	5075.33	2524.00	2746.58
Moldova	--	--	34.00	54.08

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Country	2013-14		2014-15	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Montenegro	--	--	37.00	48.13
Morocco	733	1151.32	1462	1921.69
Mozambique	0.13	0.28	0.29	0.87
Nepal	557.04	637.80	773.73	846.71
Netherland	7448.76	11299.72	12153.22	16965.54
Netherlandantil	1.06	1.65	0.13	0.30
New Zealand	628.67	1023.35	743.22	1144.83
Nigeria	0.62	0.66	1.56	2.38
Norway	992.01	1559.44	1146.50	1781.30
Oman	46.28	74.06	100.70	152.42
Pakistan IR	--	--	2.01	6.46
Peru	57.00	71.29	209.00	275.43
Philippines	1267.37	1958.68	1347.84	1979.6
Poland	4930.15	7069.47	6591.98	8866.3
Portugal	2.60	3.56	21.00	28.02
Puerto Rico	133.00	176.50	154.00	208.06
Qatar	54.15	71.25	58.27	82.21
Reunion	0.60	0.91	0.40	0.82
Romania	1973.41	2984.20	2115.60	3139.37
Russia	7802.23	12024.13	7874.37	11769.26
Samoa	--	--	76.00	84.30
Saudi Arab	3848.60	5864.09	4452.43	6112.75
Senegal	0.19	0.23	--	--
Serbia	635.00	918.50	771.00	1090.66
Seychelles	0.30	0.52	78.52	43.24
Singapore	2434.13	2564.08	3035.70	3169.48
Slovenia	220.00	350.92	207.03	283.14
South Africa	835.01	1316.29	968.56	1401.31
Spain	3614.50	5627.73	5017.57	6877.02
Sri Lanka DSR	51.35	67.02	398.40	330.74
Suriname	0.03	0.07	0.01	0.04
Swaziland	0.30	0.32	--	--
Sweden	551.40	835.11	603.77	917.54
Switzerland	214.77	350.21	55.54	100.95
Syria	568.00	876.52	732.00	1010.70
Taiwan	21422.30	20959.70	24278.50	23492.03

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Value in (₹ Lakhs)	Quantity (1000 kgs)	Value in (₹ Lakhs)
Tanzania rep	3.43	7.00	8.51	7.66
Thailand	4116.10	5071.96	4983	5904.9
Togo	--	--	0.07	0.1
Trinidad	39.61	57.89	71.51	115.75
Tunisia	1274.00	1801.49	1772.00	2286.23
Turkey	6096.00	8817.07	13631.92	16952.15
U Arab Emts	2329.63	3416.08	3640.14	4994.57
U k	4266.20	6691.54	4552.83	6739.37
U s a	17322.47	27180.44	17371.23	26451.39
Uganda	0.55	0.83	0.90	1.60
Ukraine	2484.38	3645.91	2572.32	3687.45
Uruguay	33.00	45.31	100.00	141.68
Vietnam SOC Rep	25973.82	31865.35	61752.51	68692.27
Yemen Republic	1067.50	1320.58	494.00	557.43
Zambia	0.10	0.23	0.45	0.87
Zimbabwe	0.05	0.06	--	--
Total	257441.11	358346.37	375656.05	471776.81

23.14 India's Exports of Sesame Oil and its Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	32.32	21.6	77.61	47.68
Austria	...	...	0.34	0.53
Baharain IS	37.03	23.57	40.15	43.06
Bangladesh PR	6.00	3.35	...	...
Belgium	...	...	0.50	0.54
Botswana	0.40	0.21	...	...
Brunei	0.30	0.16	...	...
Canada	88.56	52.40	33.96	22.11
Taiwan	335.34	178.67	...	...
China P RP	739.52	458.92	53.48	44.73
Czech Republic	0.20	0.13
Denmark	15.00	8.63
Egypt A RP	0.17	0.13
Fiji IS	2.60	1.63

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Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
France	68.75	60.26	21.02	21.8
Germany	64.39	42.62	3.87	2.46
Ghana	...	...	0.01	0.01
Hungary	...	...	0.70	0.43
Iran	...	...	...	...
Ireland	0.08	0.08	...	...
Italy	25.57	19.36	...	...
Japan	3.00	1.30	4.30	2.07
Jordan	0.01	0	...	...
Kenya	...	...	0.10	0.05
Kuwait	43.04	36.41	20.61	17.69
Lebanon	0.20	0.24	1.01	1.54
Liberia	...	...	0.09	0.08
Lithuania	...	...	1.22	1.54
Malaysia	127.35	94.29	73.07	86.89
Maldives	0.21	0.09	0.56	0.28
Mauritius	1.70	1.43	3.89	2.80
Mexico	1,043.58	691.50	223.34	238.14
Nepal	15.85	10.48	1.10	1.17
Netherland	286.18	194.20	5.67	5.40
New Zealand	3.30	1.52	19.95	12.22
Nigeria	...	...	0.04	0.37
Norway	0.78	0.73	4.52	3.12
Oman	40.01	25.77	43.53	43.69
Panama Republic	30.00	22.54	...	...
Philippines	0.30	0.15	0.50	0.37
Qatar	5.02	4.73	11.6	6.35
Reunion	16.74	7.82	16.1	10.06
Russia	10.00	6.57	12.15	3.12
Saudi Arab	104.76	64.62	33.36	21.38
Seychelles	0.20	0.16	...	...
Singapore	31.19	20.66	47.65	33.00
South Africa	7.66	4.49	3.80	2.03
Sri Lanka Dsr	868.74	523.3	210.81	111.57
Sudan	4	2.64	...	...

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Sweden	...	...	0.05	0.04
Switzerland	4.15	2.30	2.63	2.50
Togo	7.81	6.76	...	...
Uganda	...	...	0.74	0.43
U Arab Emts	438.13	348.76	296.59	238.13
U K	83.17	61.80	220.72	123.93
U S A	358.15	248.64	198.33	175.33
Vietnam Soc Rep	497.12	274.28	...	...
Yemen Republic	...	...	10.00	7.28
Unspecified	18.00	12.69	...	...
Total	5466.41	3,542.45	1699.84	1,336.02

Country	2009-2010		2010-2011	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	67.17	73.28	57.34	45.17
Austria	0.17	0.79	1.00	0.60
Baharain IS	14.04	15.19	45.54	38.47
Belgium	19.01	23.68	17.56	14.39
Benin	0.60	0.66	0.60	0.46
Botswana	0.39	0.39	--	--
Brunei	4.42	4.67	1.60	1.03
Bulgaria	5.00	12.38	8.00	20.13
Burundi	0.10	0.08	--	--
Cameroon	--	--	0.22	0.14
Canada	88.39	109.49	137.58	89.87
Cote D'Ivoire	0.02	0.03	--	--
China P RP	706.92	570.39	625.75	499.67
Colombia	--	--	21.00	15.23
Czech Republic	2.28	2.09	--	--
Denmark	--	--	0.09	0.09
Egypt A RP	14.56	14.71	--	--
France	19.92	20.48	111.59	102.12
Gambia	0.04	0.04	--	--
Germany	8.25	4.36	42.94	38.15
Ghana	0.03	0.03	0.05	0.10

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Country	2009-2010		2010-2011	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Guyana	0.54	0.08	--	--
Hong Kong	1.00	1.54	0.45	0.56
Iraq	--	--	1.50	2.40
Ireland	0.03	0.03	0.11	0.06
Japan	9.45	24.04	5.41	13.33
Kenya	0.19	0.09	0.22	0.14
Korea RP	--	--	1.68	1.27
Kuwait	93.99	73.65	60.38	53.09
Lebanon	2.44	3.28	0.60	0.56
Malaysia	201.68	192.23	103.45	78.32
Maldives	3.67	2.24	1.85	1.32
Mauritius	4.95	3.96	6.68	3.78
Mexico	821.44	739.11	1366.21	1024.17
Mozambique	0.30	0.13	--	--
Nepal	--	--	1.50	0.71
Netherland	36.92	37.25	56.59	40.32
New Zealand	8.34	8.13	5.96	6.64
Nigeria	0.33	0.38	--	--
Norway	0.96	1.81	0.20	0.23
Oman	43.03	40.03	95.13	81.04
Philippines	0.30	0.29	1.00	0.64
Qatar	19.96	25.44	46.28	64.50
Reunion	19.34	19.28	10.01	6.16
Saudi Arab	92.13	81.65	57.38	55.83
Seychelles	0.10	0.10	1.30	0.35
Singapore	153.24	163.39	222.28	239.96
South Africa	4.77	5.44	9.94	7.29
Sri Lanka Dsr	131.47	101.19	13.15	13.53
Switzerland	3.32	4.95	14.28	6.92
Taiwan	20.00	18.95	21.82	27.53
Thailand	0.20	0.16	8.00	3.33
Uganda	0.03	0.02	--	--
U Arab Emts	312.21	337.49	282.05	354.49
U K	119.43	119.24	182.81	139.41
Ukraine	0.60	0.72	2.15	1.51

Country	2009-2010		2010-2011	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
U S A	285.21	325.96	384.95	305.72
Vietnam Soc Rep	130.59	93.94	491.96	362.73
Zambia	0.05	0.07	--	--
Unspecified	42.08	47.62	2.00	2.04
Total	3515.60	3326.52	4530.14	3765.49

Country	2011-2012		2012-2013	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	119.72	112.87	82.63	118.94
Baharain IS	35.48	27.31	75.35	88.13
Bangladesh PR	--	--	0.60	0.60
Belgium	18.51	11.65	9.23	11.39
Brazil	3.00	4.40	--	--
Brunei	0.88	1.08	0.45	0.69
Bulgaria	--	--	6.00	18.48
Belarus	--	--	0.96	6.24
Canada	97.40	73.04	110.49	140.23
China P RP	2974.88	2572.68	327.86	320.44
Czech Republic	1.80	2.76	1.80	3.71
Egypt A RP	2.41	3.14	1.00	1.62
Fiji IS	1.04	1.24	0.50	0.91
France	14.25	4.56	19.25	25.13
Gambia	0.06	0.07	0.01	0.02
Germany	136.87	116.56	81.24	110.58
Ghana	0.20	0.28	0.18	0.33
Greece	73.19	73.62	51.00	66.08
Hong Kong	2.18	2.58	0.59	1.09
Iran	--	--	9.00	9.75
Iraq	17.00	26.97	1.00	1.57
Israel	0.19	0.29	--	--
Japan	3.27	7.47	1.00	1.93
Jordan	3.00	1.62	--	--
Kazakhstan	0.09	0.03	0.20	0.09
Kenya	2.07	2.26	0.39	0.39
Kyrgyzstan	2.00	5.40	--	--
Korea RP	--	--	0.05	0.66

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Country	2011-2012		2012-2013	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Kuwait	88.69	80.67	91.84	125.30
Liberia	--	--	10.29	3.24
Lithuania	0.99	2.28	0.66	1.70
Malawi	0.00	0.01	--	--
Malaysia	127.96	115.49	131.20	181.60
Maldives	3.46	1.92	0.56	0.53
Mauritius	5.32	3.42	18.93	11.49
Mexico	1394.02	1108.41	858.63	939.97
Mozambique	1.00	0.15	0.12	0.34
Nepal	--	--	1.40	1.45
Netherland	226.02	199.67	224.51	226.75
New Zealand	7.52	9.80	8.16	12.97
Nigeria	0.75	1.04	0.42	0.43
Norway	12.84	5.16	1.11	2.82
Oman	80.16	107.20	82.26	150.84
Papua N GNA	0.20	0.15	--	--
Philippines	0.50	0.58	1.08	1.34
Poland	0.03	0.03	0.05	0.78
Qatar	58.88	62.54	71.28	98.77
Reunion	14.63	20.14	9.24	7.77
Russia	34.82	23.97	36.94	34.58
Saudi Arab	58.80	61.00	79.05	99.99
Seychelles	0.12	0.19	--	--
Singapore	244.90	252.20	271.86	361.97
South Africa	8.15	13.82	7.46	8.58
Sri Lanka Dsr	36.73	29.54	13.07	5.50
Swaziland	--	--	0.67	1.75
Switzerland	4.17	7.28	3.59	7.20
Taiwan	146.58	153.17	746.49	712.90
Tanzania Rep	2.02	1.85	2.82	3.86
Uganda	--	--	0.01	0.02
U Arab Emts	216.96	274.97	220.67	330.23
U K	220.24	208.93	165.71	219.19
U S A	335.79	290.23	453.51	624.34
Vietnam Soc Rep	--	--	200.00	233.23
Total	6841.74	6087.66	4493.98	5340.41

Country	2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Afghanistan TIS	34.00	38.56	--	--
Australia	87.01	118.46	107.63	229.80
Baharain IS	45.61	58.85	39.35	93.37
Bangladesh PR	9.16	9.60	7.00	9.64
Belgium	4.81	7.27	0.34	0.63
Botswana	0.32	0.27	1.33	2.51
Brazil	6.20	7.38	6.00	7.03
Belarus	--	--	1.00	1.40
Canada	107.44	132.05	47.03	97.93
China P RP	739.01	977.23	498.00	652.84
Congo D REP	0.75	0.94	0.05	0.09
Congo P REP	0.04	0.05	--	--
Czech Republic	2.40	5.08	2.40	5.33
Egypt A RP	2.42	1.73	--	--
Ethiopia	--	--	0.60	1.10
Fiji IS	2.40	3.54	0.25	0.42
France	129.15	195.90	44.70	77.40
Gambia	0.30	0.27	--	--
Germany	183.38	249.07	94.70	117.74
Ghana	--	--	0.10	0.18
Greece	18.00	26.02	--	--
Guyana	0.32	0.29	0.02	0.03
Hong Kong	12.41	12.09	23.15	22.16
Hungary	--	--	0.88	2.92
Iran	59.94	109.27	179.80	314.98
Iraq	18.95	29.03	11.10	17.01
Ireland	--	--	1.10	2.61
Italy	63.00	93.76	90.15	107.54
Jordan	2.10	3.40	11.00	13.81
Kazakhstan	0.17	0.08	0.25	0.21
Kenya	1.93	3.02	1.73	1.46
Kuwait	79.93	104.69	51.79	105.00
Lebanon	5.62	7.65	--	--
Libya	3.00	3.54	--	--
Lithuania	--	--	2.00	3.36
Malawi	--	--	1.32	4.46
Malaysia	307.79	445.62	299.68	421.34
Maldives	0.17	0.23	0.12	0.10
Mauritius	11.06	12.11	4.65	5.70

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Country	2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Mexico	1603.00	1992.52	2350.00	2592.83
Morocco	--	--	7.00	6.26
Mozambique	--	--	1.02	2.28
Nepal	0.70	0.78	25.13	22.62
Netherland	215.40	269.88	361.22	435.02
New Zealand	8.62	11.69	6.51	13.00
Nigeria	3.50	4.14	2.66	4.49
Norway	0.34	0.55	3.30	3.61
Oman	95.92	125.76	108.82	190.30
Pakistan IR	--	--	16.00	14.11
Peru	5.00	14.05	4.00	10.13
Philippines	--	--	1.20	1.86
Qatar	94.30	128.51	69.23	170.44
Reunion	26.37	24.07	26.02	37.34
Russia	34.61	40.20	36.16	36.30
Saudi Arab	103.35	128.22	50.54	92.31
Seychelles	3.66	4.65	0.23	0.33
Sierra Leone	--	--	0.02	0.02
Singapore	520.86	741.89	371.30	607.59
South Africa	6.05	9.06	7.96	13.96
Sri Lanka DSR	12.68	11.88	14.14	15.89
Sweden	0.96	1.49	2.40	3.43
Switzerland	4.22	6.33	3.34	5.39
Taiwan	437.00	573.67	785.30	1036.65
Tanzania Rep	5.62	7.07	3.37	4.69
Trinidad	0.02	0.04	--	--
Uganda	0.35	0.30	--	--
U Arab Emts	481.96	674.31	446.91	751.42
U K	283.34	439.45	163.55	329.63
Ukraine	--	--	2.65	3.67
U S A	603.13	877.31	570.25	1004.20
Vietnam Soc Rep	--	--	100.00	122.34
Zimbabwe	0.11	0.06	--	--
Zambia	0.10	0.23	0.74	1.49
Unspecified	0.15	0.06	--	--
Total	6490.11	8745.25	7070.19	9853.68

23.15 India's Exports of Oil Cake and Oil Meal of Sesame

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	...	...	3.43	0.07
Baharain IS	11.80	0.50	...	...
Bosnia-Hrzgovin	...	...	20.00	1.52
Canada	15.31	1.07	30.60	1.16
Germany	...	...	567.00	114.46
Malaysia	...	...	2.00	0.05
Nepal	1361.85	46.22	3036.89	138.50
Netherland	136.00	19.09	40.00	7.33
Qatar	1.00	0.26	...	...
Singapore	1.00	0.04	5.27	0.47
South Africa	12.50	0.76	...	...
Switzerland	477.00	67.22	0.40	0.04
Taiwan	54.00	5.56	54.00	9.00
U S A	190.00	9.56	16.00	17.00
Total	2260.46	150.28	3759.59	272.60

Country	2009-10		2010.11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	4.00	0.34	--	--
Bangladesh PR	650.00	64.31	4310.00	519.40
Bulgaria	12.00	1.15	--	--
Canada	21.00	2.89	114.17	6.25
France	--	--	0.20	0.02
Germany	439.00	82.88	646.00	99.58
Hong Kong	--	--	17.70	0.99
Malaysia	10.80	1.18	27.94	1.67
Nepal	1879.73	87.69	844.79	43.27
Netherland	245.00	47.22	326.00	64.69
New Zealand	13.45	1.21	1.00	0.11
Nigeria	0.15	0.05	--	--
Singapore	27.60	1.41	4.51	0.17
Uganda	--	--	2.00	0.23
U S A	35.16	1.27	0.36	0.09
Unspecified	121.00	25.28	--	--
Total	3458.89	316.88	6294.67	736.47

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Country	2011-12		2012.13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	4.00	0.46	--	--
Austria	321.50	78.83	662.00	260.64
Bangladesh PR	49.00	6.52	--	--
Belgium	--	--	34.00	12.23
Brunei	--	--	15.16	0.56
Canada	16.50	3.96	--	--
France	--	--	19.00	7.23
Germany	697.00	118.30	151.00	39.99
Malaysia	0.81	0.11	--	--
Maldives	6.05	0.19	--	--
Nepal	855.69	104.24	2150.12	201.30
Netherland	117.00	20.02	380.00	99.25
New Zealand	0.10	0.02	--	--
Slovenia	--	--	103.00	21.08
Switzerland	107.00	31.42	119.00	55.85
Taiwan	414.00	54.86	--	--
U S A	17.38	1.10	--	--
Total	2606.03	420.03	3633.28	698.13

Country	2013-14		2014.15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Austria	1055.00	520.13	302.00	138.62
Brunei	0.12	0.03	--	--
Canada	--	--	1.00	0.41
France	109.09	69.19	20.30	14.52
Germany	90.00	29.53	132.00	53.80
Japan	30.00	11.09	50.00	18.65
Jordan	--	--	1.50	0.24
Korea RP	--	--	35.00	1.29
Malaysia	16.50	5.66	--	--
Mauritius	0.20	0.07	--	--
Nepal	1399.89	163.74	1024.75	177.22
Netherland	708.00	240.69	525.00	173.40
New Zealand	--	--	28.60	3.51
Switzerland	96.00	47.30	--	--
U Arab Emts	--	--	0.50	0.18
U K	--	--	8.50	6.07
Ukraine	10.00	1.69	--	--
U S A	1.10	0.42	8.50	3.07
Total	3515.90	1089.54	2137.65	590.98

23.16 India's Country-wise Exports of Niger Seed

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Algeria	31.00	23.79	...	...
Belgium	587.60	202.94	285.00	137.71
Brazil	432.00	181.35	20.00	12.87
Canada	127.01	48.96	179.81	87.16
Taiwan	10.00	5.58	13.00	8.07
Cyprus	...	...	5.00	2.53
France	400.00	185.74	479.00	250.06
Germany	...	...	19.00	9.42
Greece	42.06	12.36	116.27	57.82
Indonesia	19.00	6.65	39.00	21.61
Italy	231.00	93.41	303.00	146.54
Japan	...	...	10.00	5.23
Kenya	...	...	0.01	0.01
Kuwait	14.72	3.26	...	...
Mexico	478.00	186.02	299.00	156.82
Nepal			0.20	0.05
Netherland	107.64	36.98	18.00	6.34
Portugal	49.62	16.6	100.00	47.15
Russia	1.00	0.48	...	...
Saudi Arab	17.55	4.45	2.00	1.19
Singapore	541.00	227.32	75.00	33.09
South Africa	...	...	0.10	0.14
Spain	249.62	99.64	330.00	174.77
Turkey	18.03	7.06	3.00	1.53
U K	304.00	112.91	526.00	294.90
U S A	18,022.00	7,547.47	10,826.65	4,924.96
Yemen Republic	...	...	75.00	42.86
Total	21682.85	9,002.99	13724.04	6,422.83

Country	2009-2010		2010-2011	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Algeria	--	--	74.48	27.36
Australia	19.00	7.06	--	--
Belgium	402.00	137.93	1251.35	419.15

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Country	2009-2010		2010-2011	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Brazil	112.00	42.23	342.28	128.62
Canada	155.32	85.64	176.44	76.86
China P RP	--	--	100.00	14.62
France	0.50	0.35	--	--
Germany	--	--	58.22	20.46
Greece	125.80	53.80	93.54	32.11
Hungary	19.00	7.25	--	--
Indonesia	38.00	12.88	--	--
Iran	--	--	38.29	14.05
Israel	--	--	21.62	5.00
Italy	259.64	103.49	189.60	65.34
Japan	15.00	6.45	15.82	5.71
Jordan	3.00	1.15	17.68	2.93
Korea RP	4.00	1.39	--	--
Kuwait	12.00	4.45	2.00	0.66
Lebanon	58.00	25.02	77.33	26.72
Mexico	863.00	337.29	558.81	191.27
Morocco	18.00	7.34	--	--
Nepal	3.30	2.38	0.13	0.22
Netherland	--	--	39.20	13.81
Oman	0.10	0.05	--	--
Pakistan IR	2.00	1.05	--	--
Poland	18.00	6.29	20.00	6.36
Portugal	82.00	31.93	215.52	63.12
Russia	--	--	19.00	6.69
Saudi Arab	10.00	3.88	2.00	2.59
Singapore	17.00	4.63	--	--
South Africa	19.00	10.35	--	--
Spain	412.16	157.19	457.75	155.63
Taiwan	4.00	3.07	11.00	5.63
Turkey	20.00	6.81	21.00	7.75
U K	679.28	273.31	1576.05	550.10
U S A	2625.00	1082.28	7483.94	2608.58
Yemen Republic	8.00	5.58	--	--
Total	6004.10	2422.52	12863.05	4451.34

Country	2011-2012		2012-2013	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Algeria	32.00	27.49	332.00	183.45
Argentina	38.00	14.97	31.00	15.66
Australia	26.86	11.73	19.00	9.77
Baharain IS	1.00	0.72	3.00	3.94
Belgium	1718.87	705.14	1597.00	735.75
Brazil	323.62	144.78	361.00	266.60
Canada	340.20	145.26	649.96	327.36
Egypt A RP	--	--	48.00	33.69
France	--	--	252.00	134.04
Germany	342.48	134.42	77.00	33.49
Greece	102.66	37.11	127.78	59.61
Hungary	38.00	16.04	57.00	27.22
Indonesia	92.00	38.99	187.00	93.92
Iran	19.00	8.92	131.00	115.42
Ireland	6.00	2.86	19.00	10.03
Israel	55.13	15.53	45.00	20.34
Italy	480.60	202.88	266.00	117.71
Japan	11.00	4.70	34.00	18.01
Jordan	19.00	6.80	--	--
Korea RP	--	--	4.00	2.02
Kuwait	11.85	4.84	48.91	17.48
Lebanon	197.40	77.47	19.00	9.85
Malaysia	--	--	0.03	0.02
Malta	14.00	5.94	--	--
Mexico	399.62	168.02	398.63	192.62
Morocco	--	--	38.00	16.88
Netherland	420.29	166.32	157.00	69.71
New Zealand	1.00	0.44	1.00	0.45
Oman	--	--	0.22	0.22
Pakistan IR	--	--	60.00	47.24
Poland	--	--	50.00	25.99
Portugal	132.04	45.24	69.00	35.04
Russia	37.00	15.63	38.00	19.49
Saudi Arab	--	--	75.58	52.63
South Africa	1.00	1.16	5.55	2.92

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Country	2011-2012		2012-2013	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Spain	634.26	248.75	701.66	325.99
Taiwan	25.00	10.68	22.00	12.26
Trinidad	1.00	0.36	--	--
Turkey	279.00	167.24	113.00	84.99
U Arab Emts	16.00	14.52	3.24	0.86
U K	2563.45	1058.34	1372.72	646.20
U S A	19845.76	8223.62	10415.68	5158.24
Yemen Republic	--	--	114.60	85.55
Total	28225.09	11726.91	17944.56	9012.66

Country	2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Algeria	195.00	109.91	206.00	123.21
Argentina	15.00	8.33	--	--
Australia	--	--	6.13	4.24
Belgium	1568.00	797.07	870.00	459.76
Brazil	399.00	237.27	473.60	289.28
Canada	556.00	311.90	782.77	499.82
Denmark	--	--	0.03	0.07
France	200.00	129.46	179.00	129.43
Germany	110.00	57.17	76.00	41.04
Greece	98.15	57.51	96.75	64.88
Hungary	76.00	39.66	57.00	33.86
Indonesia	575.00	294.11	391.00	215.85
Iran	57.00	28.97	154.00	95.30
Ireland	29.00	16.36	10.00	6.42
Israel	82.70	50.14	40.00	28.12
Italy	383.00	196.00	289.00	160.16
Japan	15.00	7.71	14.00	8.60
Jordan	10.00	5.10	12.00	7.15
Korea RP	2.00	1.48	--	--
Kuwait	1.10	0.79	11.88	14.28
Lebanon	76.00	39.94	38.00	20.69
Malta	16.00	8.08	--	--
Mexico	466.00	246.58	236.00	133.58

Country	2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Netherland	301.28	167.11	264.00	146.52
Pakistan IR	122.00	208.37	16.00	33.47
Poland	55.00	30.54	53.00	49.22
Portugal	103.00	53.21	54.00	27.76
Qatar	3.00	2.87	--	--
Russia	38.00	20.13	19.00	10.31
Saudi Arab	51.00	37.41	--	--
Singapore	--	--	0.10	0.04
South Africa	12.00	6.59	--	--
Spain	530.98	273.55	371.80	198.40
Taiwan	3.00	2.72	13.00	6.78
Thailand	2.00	1.47	1.00	0.70
Trinidad	--	--	5.00	9.74
Turkey	165.80	121.70	38.00	21.22
U Arab Emts	17.08	21.63	16.00	21.79
U K	1192.90	628.09	474.00	261.92
Ukraine	--	--	1.50	2.56
U S A	13234.07	7076.78	12861.35	7746..43
Yemen Republic	80.00	65.29	25.00	22.99
Total	20841.06	11361.00	18155.91	10895.59

23.17 India's Country-wise Exports Linseed Oil and its Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	40.45	21.51	...	...
Australia	8.65	4.69	19.78	13.91
Baharain IS	...	...	0.34	0.31
Bangladesh PR	11.00	8.27	--	--
Belgium	16.00	9.34	13.56	5.91
Bhutan	19.35	19.72	...	...
Brazil	1904.90	867.81	...	...
Canada	4.40	2.26	3.75	3.01
Chile	...	...	24.00	17.83
China P RP	1963.12	880.56	16.00	11.88
France	12.58	3.83	--	--
Germany	140.39	85.02	73.51	44.75
Greece	...	...	32.62	13.31
Guinea	1.41	0.90	...	...
Hong Kong	0.50	0.26	...	...
Indonesia	40.00	53.72	10.00	6.13
Israel	6.00	3.74	44.00	34.95
Italy	774.51	610.95	--	--
Japan	134.14	142.34	5.68	3.08
Jordan	16.00	8.08	3.00	3.32
Kenya	4.14	0.86	11.64	5.22
Korea RP	73.52	38.79	16.00	11.54
Kuwait	...	...	25.88	17.12
Lebanon	18.98	7.00	...	...
Malaysia	1658.28	1627.20	10.00	7.36
Maldives	1.50	0.96	0.61	0.17
Mauritius			0.15	0.11
Mexico	54.21	26.16	...	...
Morocco	47.36	25.38	...	...
Mozambique	0.33	0.12	...	...
Nepal	0.30	0.17	...	...
Netherland	132.34	61.09	44.00	29.64
New Zealand	...	...	0.63	0.25
Nigeria	...	...	0.14	0.25
Norway	...	...	0.84	0.44
Oman	1.50	2.67	0.20	0.10
Reunion	...	...	0.07	0.05

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Russia	428.20	218.16	162.00	93.49
Saudi Arab	3.84	7.18	4.68	3.46
Singapore	284.30	166.53	44.51	29.44
South Africa	17.09	9.40	179.68	128.95
Spain	5.12	3.00	...	...
Sri Lanka Dsr	77.52	42.91	12.64	8.82
Taiwan	86.00	42.59	40.00	27.29
Tanzania Rep	0.19	0.13	...	...
Thailand	1666.00	737.28	20.00	5.34
Trinidad	...	...	0.20	0.05
Turkey	57.00	27.68	19.00	13.77
U Arab Emts	507.99	299.63	54.76	38.45
U K	176.41	288.58	0.01	0
U S A	45.08	29.50	42.29	21.07
Yemen Republic	6.17	2.86	0.23	0.06
Total	10446.77	6388.83	936.40	600.83

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	28.35	16.62	8.96	6.16
Baharain IS	--	--	0.20	0.19
Bangladesh PR	15.62	11.80	--	--
Belgium	16.00	11.52	--	--
Canada	14.76	7.90	--	--
China P RP	5.03	7.36	131.00	78.72
Congo D. Rep.	0.41	0.46	--	--
Congo P Rep	--	--	0.20	0.32
Croatia	--	--	0.09	0.05
Denmark	0.02	0.02	--	--
Fiji is	--	--	0.60	0.34
France	19.74	19.32	0.80	0.30
Germany	0.01	0.00	6.00	1.51
Greece	3.00	2.13	18.47	15.23
Hong Kong	--	--	0.30	0.34
Indonesia	16.00	15.85	--	--
Ireland	0.20	0.19	--	--
Israel	1.52	1.24	4.56	4.18
Italy	0.02	0.07	--	--

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Jamaica	--	--	5.00	3.39
Japan	0.08	0.78	0.03	0.02
Kenya	5.51	5.71	0.86	1.12
Liberia	--	--	0.27	0.30
Malaysia	77.20	57.39	8.44	8.93
Maldives	1.54	0.51	0.98	0.56
Malta	20.00	14.35	--	--
Mauritius	7.80	5.93	--	--
Myanmar	14.95	11.11	--	--
Netherland	--	--	0.50	0.09
New Zealand	5.32	2.47	1.35	1.07
Nigeria	--	--	4.00	1.91
Norway	2.40	1.41	0.00	0.00
Oman	1.15	0.62	1.51	0.40
Pakistan IR	16.00	10.65	--	--
Philippines	0.20	0.19	0.04	0.93
Poland	--	--	0.37	0.24
Qatar	0.02	0.05	0.04	0.09
Reunion	0.04	0.03	2.50	1.79
Saudi Arab	3.58	9.82	0.99	0.71
Singapore	6.99	4.48	9.45	6.68
Slovenia	0.26	0.56	--	--
South Africa	32.95	24.93	0.00	0.00
Sri Lanka DSR	17.30	8.97	0.00	0.00
Sudan	--	--	0.08	0.19
Switzerland	--	--	7.01	4.32
Syria	133.60	81.19	--	--
Tanzania Rep	1.52	1.29	--	--
Thailand	20.00	5.39	38.00	8.84
Turkey	3.15	1.98	--	--
U Arab Amts	35.17	44.21	26.79	26.32
U K	8.78	2.76	49.91	15.54
U S A	42.69	25.30	10.42	9.76
Yemen Republic	0.47	0.17	--	--
Total	579.35	416.73	340.87	201.47

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	9.08	9.06	19.53	37.06
Baharain IS	6.00	6.49	0.40	0.75
Bangladesh PR	47.30	28.88	31.34	30.81
Benin	6.00	0.76	6.12	11.38
Canada	34.06	11.17	26.64	12.44
Congo d. Rep.	--	--	8.29	0.44
Cote d' Ivoire	--	--	4.00	8.27
Croatia	0.40	0.62	--	--
Ethiopia	--	--	1.80	3.65
France	1.08	1.33	0.50	0.69
Gabon	--	--	0.12	0.30
Germany	5.27	2.44	2.66	5.01
Greece	0.00	0.00	1.17	1.46
Hong Kong	1.00	0.58	--	--
Iraq	--	--	1.00	1.16
Ireland	1.40	0.36	--	--
Israel	1.50	1.70	1.52	1.90
Italy	--	--	0.01	0.01
Jamaica	--	--	0.20	0.10
Japan	0.28	0.30	0.20	0.22
Kenya	2.08	2.13	0.03	0.04
Kuwait	0.00	0.00	2.62	2.48
Liberia	0.25	0.36	3.00	1.71
Malaysia	20.31	21.36	31.61	22.66
Maldives	0.06	0.06	11.85	8.14
Malta	18.00	17.82	--	--
Mexico	0.00	0.00	0.20	0.60
Nepal	13.81	11.33	0.20	0.45
New Zealand	6.60	5.10	1.15	1.18
Nigeria	0.11	0.14	--	-
Oman	1.38	0.47	2.24	3.79
Philippines	0.30	0.30	0.10	0.24
Qatar	0.04	0.05	--	--
Reunion	8.87	5.87	--	--
Saudi Arab	2.54	2.54	17.23	11.38
Senegal	--	--	0.10	0.18
Singapore	10.32	9.98	43.38	25.11
South Africa	0.20	0.06	1.02	3.76

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Sri Lanka DSR	7.49	9.40	2.52	5.03
Switzerland	0.13	0.13	0.49	1.38
Taiwan	0.30	2.00	0.20	0.88
Thailand	16.03	20.66	12.42	34.30
Togo	1.01	1.76	--	--
Trinidad	1.20	0.44	0.50	0.26
U Arab Emts	80.24	125.42	25.91	32.68
U K	97.01	36.54	12.83	20.51
U S A	43.94	32.00	107.27	130.88
Total	445.59	369.61	382.37	423.29

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Angola	0.30	0.33	-- --	
Australia	22.50	20.42	23.93	32.75
Baharain IS	--	--	0.35	0.45
Bangladesh PR	2.49	3.93	11.23	13.41
Belarus	15.00	5.50	--	--
Canada	1.00	1.80	0.50	0.94
Ethiopia	--	--	0.50	1.00
Fiji is	--	--	0.58	0.37
Germany	5.01	1.99	--	--
Ghana	0.28	0.42	0.15	0.28
Iraq	2.79	2.94	--	--
Israel	1.52	2.08	--	--
Japan	0.10	0.08	--	--
Kenya	0.65	0.83	0.95	1.85
Korea RP	--	--	16.10	18.49
Kuwait	5.50	5.23	4.81	8.28
Lebanon	3.00	4.44	--	--
Malaysia	85.74	94.91	46.22	51.42
Maldives	10.87	8.84	16.17	13.91
Mauritius	--	--	0.06	0.31
Morocco	--	--	1.00	1.29
Myanmar	18.60	19.65	21.56	21.22
Nepal	10.31	9.83	23.15	23.35
Netherland	--	--	0.50	0.24

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
New Zealand	0.37	0.50	0.10	0.33
Nigeria	--	--	0.37	0.51
Norway	15.00	2.88	0.12	0.15
Papua N GNA	--	--	0.08	0.14
Philippines	--	--	0.79	3.07
Qatar	0.13	0.25	0.04	0.18
Rwanda	--	--	0.20	0.27
Saudi Arab	21.18	25.36	37.63	44.09
Senegal	2.00	4.12	--	--
Seychelles	--	--	0.02	0.01
Singapore	45.71	34.34	21.55	21.39
South Africa	0.62	0.93	4.09	4.91
Sri Lanka DSR	42.50	44.87	21.37	26.69
Switzerland	1.00	1.37	2.00	4.53
Tanzania rep	0.56	0.66	1.48	4.57
Thailand	0.14	0.45	1.04	9.43
Togo	1.00	1.25	--	--
Trinidad	0.39	2.80	0.06	0.07
U Arab Emts	18.16	31.12	20.25	34.50
U K	11.74	19.62	16.56	22.89
U S A	130.00	166.40	29.37	39.17
Zambia	0.10	0.05	0.40	0.37
Total	476.26	520.19	325.28	406.83

23.18 India's Country-wise Exports of Sunflower Seeds

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Baharain IS	...	...	36.00	10.50
Belgium	448.00	151.25	1,243.00	481.85
Canada	0.05	0.03		
Taiwan	...	...	163.61	53.17
China P RP	52.00	27.46	588.50	299.92
Croatia	18.00	7.99	40.00	19.88
Germany	35.02	15.99	88.00	52.59
Greece	...	...	4.00	1.54
Iran	...	...	...	...
Israel	...	...	90.00	57.12
Italy	...	...	7.84	2.02
Kenya	...	...	0.02	0.02
Korea RP	8.87	1.57	...	...
Kuwait	...	...	28.00	11.52
Maldives	0.21	0.04	0.30	0.10
Mauritius	...	...	7.00	2.41
Myanmar	...	...	3.65	1.26
Nepal	32.58	8.17	639.26	351.47
Netherland	451.92	204.87	597.00	357.30
Pakistan IR	101.07	139.50	195.00	252.97
Philippines	80.00	47.25	1,381.19	431.65
Poland	36.00	16.21	18.00	12.04
Portugal	121.88	28.39	81.18	25.44
Qatar	...	...	2.00	0.61
Saudi arab	...	...	6.00	1.75
Slovenia	15.32	18.91	18.00	9.42
South africa	73.00	33.19	55.00	38.19
Spain	21.46	4.62	...	...
Sri Lanka DSR	...	...	3.14	0.32
Thailand	209	67.37	40	44.52
Turkey	...	...	11.76	3.05
Uganda	0.10	0.05	...	...
U Arab Emts	310.00	51.60	0.07	0.02
U K	419.09	189.78	632.86	297.02
Ukraine	...	...	24.00	30.26
U S A	117.92	35.84	0.04	0.03
Total	2551.49	1,050.08	6004.42	2,849.94

Country	2009-2010		2010-2011		2011-12	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	--	--	2.00	0.90	--	--
Australia	102.04	28.30	50.96	14.40	--	--
Baharain IS	32.64	8.88	--	--	--	--
Bangladesh PR	0.08	0.05	--	--	--	--
Belize	--	--	--	--	0.03	0.13
Belgium	176.98	62.29	298.72	129.83	271.50	100.78
Benin	--	--	--	--	0.20	0.24
Canada	--	--	--	--	0.35	0.22
Taiwan	49.00	17.61	138.66	40.15	310.00	95.32
China P RP	1.57	0.76	0.04	0.18	--	--
Cote D' Ivoire	150.00	75.78	--	--	--	--
France	--	--	0.75	2.52	0.08	0.01
Germany	40.28	15.49	21.98	7.79	--	--
Greece	27.70	7.29	--	--	--	--
Guinea	1.80	0.66	--	--	--	--
Ireland	--	--	--	--	9.00	4.43
Israel	19.00	4.65	--	--	--	--
Italy	79.46	21.24	--	--	49.83	22.66
Japan	18.13	5.35	--	--	--	--
Jordan	--	--	2.00	0.80	--	--
Korea RP	--	--	--	--	39.50	13.46
Kuwait	--	--	--	--	5.60	2.15
Malaysia	--	--	--	--	--	--
Mauritius	4.00	1.20	15.34	1.72	4.00	1.61
Myanmar	0.00	0.01	1.00	2.35	2.98	1.34
Nepal	0.50	2.04	37.10	12.46	314.60	79.94
Netherland	485.24	203.38	163.85	82.76	0.26	0.37
New Zealand	12.77	4.30	--	--	--	--
Pakistan IR	245.03	162.18	82.85	108.25	638.52	659.79
Philippines	1381.74	361.99	1462.32	425.03	1430.99	502.18
Poland	--	--	35.28	9.74	--	--
Portugal	142.45	40.07	--	--	--	--
Reunion	16.46	3.72	--	--	--	--
Singapore	--	--	--	--	0.05	0.02
Saudi Arab	25.00	7.10	0.30	0.16	--	--

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Country	2009-2010		2010-2011		2011-12	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
South Africa	15.95	5.74	--	--	21.56	15.53
Spain	74.60	20.17	0.35	0.99	18.75	5.16
Sudan	--	--	40.57	92.82	0.22	0.04
Thailand	202.03	65.52	84.76	100.94	77.30	92.07
Turkey	--	--	3.00	0.84	8.82	2.84
U Arab Emts	--	--	--	--	2.00	0.61
U K	1324.63	559.22	1766.07	926.30	1011.04	638.58
Ukraine	--	--	--	0.30	--	--
U S A	2.00	1.12	--	--	966.07	489.84
Vietnam SOC Rep	0.10	0.40	--	--	--	--
Total	4631.18	1686.51	4207.90	1960.91	5183.25	2729.32

Country	2012-2013		2013-2014		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Afghanistan TIS	--	--	0.61	0.13	--	--
Angola	--	--	4.00	8.33	6.00	18.43
Australia	--	--	277.00	114.65	1599.38	616.66
Baharain IS	--	--	--	--	13.00	4.29
Bangladesh PR	0.50	0.91	0.30	0.65	--	--
Belize	--	--	--	--	0.30	0.48
Belgium	270.00	114.63	--	--	--	--
Taiwan	66.00	30.42	119.00	102.18	--	--
China P RP	3.00	43.51	--	--	1.50	8.93
Djibouti	13.88	6.17	--	--	0.50	2.17
Egypt A RP	6.50	6.67	--	--	0.01	0.03
France	--	--	0.09	3.71	--	--
Germany	18.00	13.61	25.00	16.56	--	--
Greece	--	--	--	--	6.00	2.75
Hong Kong	--	--	--	--	0.92	3.93
Indonesia	1.28	1.03	--	--	--	--
Iran	0.17	0.10	--	--	--	--
Iraq	2.00	1.05	156.00	69.11	--	--
Ireland	--	--	5.00	2.61	5.00	2.54
Japan	54.00	26.28	24.00	10.43	54.00	23.44
Jordan	3.00	1.39	--	--	3.00	1.33

Country	2012-2013		2013-2014		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Korea RP	14.00	6.98	--	--	7.00	3.34
Kuwait	0.56	0.52	36.00	15.40	--	--
Malaysia	15.00	12.54	--	--	25.00	10.38
Mauritius	--	--	0.05	1.89	--	--
Myanmar	5.00	16.05	78.57	32.19	78.57	48.90
Nepal	103.38	54.51	78.57	32.19	48.90	17.28
Netherland	34.71	58.66	1.08	33.08	2.41	26.69
New Zealand	51.65	21.00	80.00	31.50	258.00	104.15
Oman	1.00	0.48	--	--	--	--
Pakistan IR	569.85	1601.32	504.23	1521.12	861.36	1928.04
Philippines	1735.08	706.88	1788.00	718.70	1732.05	655.23
Portugal	18.00	7.96	5.00	2.41	--	--
Saudi Arab	--	--	13.00	6.87	1.00	2.67
Serbia	--	--	0.13	0.26	--	--
South Africa	23.72	7.22	6.00	2.59	10.00	5.33
Spain	0.54	3.26	2.07	8.85	2.19	16.42
Sudan	20.00	6.97	--	--	--	--
Tanzania Rep	0.15	0.38	3.04	13.54	0.36	1.52
Thailand	89.36	178.40	27.63	62.56	104.47	133.52
Turkey	7.00	3.26	109.00	58.67	0.27	0.16
Uganda	--	--	0.12	0.88	--	--
U Arab Emts	27.00	12.95	0.51	0.38	11.00	4.49
U K	1946.50	1374.69	822.00	520.29	696.00	375.73
Union of Serbia & Montenegro	0.01	0.02	--	--	--	--
U S A	1.00	1.21	--	--	--	--
Unspecified	--	--	0.01	0.03	--	--
Vietnam SOC Rep	108.00	52.71	--	--	--	--
Zambia	--	--	--	--	30.00	20.40
Total	5209.84	4373.76	4166.01	3359.59	5558.19	3992.36

23.19 India's Exports of Sunflower Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	2.50	0.85	...	...
Bangladesh PR	27.42	13.14	...	...
Bhutan	60.00	57.11	...	...
Brunei	26.76	12.26	13.76	7.87
Canada	45.58	11.11	--	--
Djibouti	15.37	7.27	...	...
Germany	0.41	0.05	...	...
Hong Kong	1.40	0.71	...	...
Korea RP	3.00	1.77	...	...
Kuwait	41.23	16.83	75.52	38.7
Madagascar	...	...	0.60	0.26
Malaysia	177.39	81.08	37.93	25.84
Maldives	...	...	0.60	0.19
Nepal	115.36	17.15	40.95	38.25
New Zealand	1.97	0.98	...	...
Oman	12.00	5.45	...	...
Philippines	1.20	0.38	...	...
Reunion	...	...	0.72	0.41
Saudi Arab	1919.00	1063.54		
Singapore	324.12	143.23	108.61	73.97
Sri Lanka Dsr	85.43	50.11	10.70	9.46
Switzerland	1.20	0.69	...	...
U Arab Emts	4876.21	2264.21	...	...
U K	0.20	0.13	...	...
U S A	4.08	2.61	...	...
Total	7741.83	3750.66	289.39	194.95

Country	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	17.20	13.10	38.01	15.65	26.03	24.59
Belgium	--	--	0.07	0.06	0.20	0.12
Brunei	8.00	5.91	0.10	0.08	0.70	0.69
Canada	0.06	0.03	--	--	1.92	2.17
Colombia	--	--	--	--	1.82	1.97
Congo P Rep	--	--	2.00	1.58	17.47	12.78
Djibouti	15.63	7.54	31.21	16.80	87.00	78.79

Country	2009-10		2010-11		2011-12	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Gambia	0.45	0.44	0.55	0.29	--	--
Germany	0.37	0.49	--	--	--	--
Ghana	--	--	0.38	0.22	0.41	0.31
Hong Kong	0.06	0.06	2.06	1.25	1.75	1.44
Japan	--	--	0.24	0.19	0.60	1.06
Jordan	14.00	7.81	--	--	--	--
Kenya	0.14	0.13	--	--	0.15	0.16
Kuwait	130.72	76.90	57.49	32.09	156.72	129.96
Madagascar	72.02	56.62	--	--	--	--
Malaysia	96.10	64.16	96.67	57.38	114.86	118.24
Maldives	4.16	2.40	1.48	0.76	--	--
Mauritius	38.97	24.56	--	--	--	--
Nepal	42.86	59.22	208.19	143.22	122.23	59.58
New Zealand	5.00	3.09	2.00	1.48	2.02	1.40
Nigeria	--	--	--	--	1.14	0.97
Oman	1.47	1.62	15.57	9.14	--	--
Philippines	--	--	0.20	0.12	--	--
Singapore	303.92	216.70	628.93	376.83	597.35	526.34
Sri Lanka DSR	72.62	50.72	101.29	56.37	138.40	146.93
Switzerland	--	--	0.30	0.14	1.00	1.24
Tanzania Rep	0.10	0.10	--	--	0.72	0.33
U Arab Emts	32.31	18.31	--	--	13.74	10.91
U K	--	--	--	--	9.40	8.89
U S A	1.35	1.14	3.58	2.49	8.59	3.33
Yemen Republic	0.03	0.02	--	--	--	--
Total	857.54	611.08	1190.32	716.14	1304.22	1132.21

Country	2012-2013		2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Angola	--	--	--	--	1.00	1.05
Australia	15.29	17.02	57.30	45.78	30.73	29.26
Baharain IS	--	--	11.00	10.88	8.00	6.91
Belgium	0.45	0.63	0.30	0.33	--	--
Bangladesh PR	--	--	0.00	0.01	30.00	23.10
Botswana	--	--	0.05	0.09	--	--
Brunei	0.36	0.39	14.22	15.46	2.61	4.37
Canada	0.07	0.08	0.98	1.10	2.11	2.78
Congo D Rep	--	--	--	--	14.00	13.31
Congo P Rep	16.00	16.25	16.06	16.13	58.00	73.35
Djibouti	29.00	30.28	--	--	--	--
Ethiopia	--	--	58.00	62.74	58.00	59.33

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Country	2012-2013		2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Finland	--	--	0.24	0.19	--	--
Gabon	--	--	--	--	0.45	0.49
Gambia	--	--	0.13	0.15	--	--
Germany	0.20	0.25	--	--	0.56	1.61
Ghana	0.01	0.03	0.12	0.13	10.20	8.73
Greece	3.98	5.39	--	--	--	--
Hong Kong	0.10	0.22	2.00	1.68	25.00	20.58
Iraq	--	--	0.04	0.02	--	--
Japan	0.50	0.64	0.04	0.05	--	--
Kenya	--	--	--	--	5.23	4.62
Kuwait	0.13	0.11	0.44	0.37	--	--
Liberia	0.01	0.01	--	--	0.24	0.14
Madagascar	--	--	--	--	--	--
Malaysia	94.65	108.68	83.34	80.47	119.36	105.71
Maldives	0.03	0.04	--	--	--	--
Mauritius	--	--	--	--	5.40	6.04
Nepal	37.44	23.27	60.08	16.87	15.00	10.32
Netherlandantil	--	--	0.10	0.13	0.57	1.02
New Zealand	0.28	0.27	1.58	2.55	21.34	18.73
Nigeria	--	--	--	--	1.20	0.85
Papua N GNA	--	--	--	--	5.00	3.82
Oman	0.60	0.60	--	--	--	--
Philippines	--	--	--	--	0.10	0.80
Qatar	--	--	--	--	10.00	9.89
Reunion	0.18	0.19	--	--	--	--
Saudi Arab	--	--	6.00	14.59	32.00	27.27
Seychelles	1.52	2.76	19.40	15.82	55.04	41.16
Sierra Leone	--	--	--	--	0.07	0.09
Singapore	574.42	641.55	619.31	658.40	715.67	580.66
Sri Lanka DSR	135.44	111.77	80.54	96.88	124.72	118.11
Switzerland	--	--	--	--	0.17	0.30
Taiwan	--	--	0.01	0.13	--	--
Tanzania Rep	--	--	0.91	1.01	16.30	15.23
Thailand	--	--	0.60	0.58	4.53	4.11
U Arab Emts	33.40	33.72	153.00	142.09	210.16	173.44
U K	4.70	7.79	7.88	12.26	1.13	2.19
U S A	4.35	5.44	1.94	2.45	18.25	15.69
Vietnam SOC REP	--	--	2.25	40.70	--	--
Total	953.11	1007.36	1197.86	1240.04	1602.14	1385.06

23.20 India's Country-wise Exports of Safflower Seed

Country	2006-2007		2007-2008	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Baharain IS	73.00	14.55	34.37	7.08
Bangladesh PR	0.40	0.48	--	--
Belgium	2,805.70	499.20	2,558.03	530.32
Cameroon	50.00	15.96	--	--
Taiwan	1,206.50	235.01	981.52	247.91
Egypt A RP	--	--	98.00	52.72
Germany	128.00	22.97	111.64	32.37
Greece	18.00	3.56	117.00	56.31
Iran	...	...	77.42	14.51
Israel	...	...	112.00	48.23
Italy	99.00	18.72	89.92	19.98
Japan	548.00	99.23	291.26	67.66
Korea DP RP	36.00	6.49	...	...
Korea RP	90.00	16.99	108.32	20.43
Kuwait	...	...	46.64	10.35
Lebanon	...	...	58.00	30.21
Malaysia	...	...	534.48	111.99
Mexico	0.25	0.03	...	...
Nepal			13.06	2.36
Netherland	224.00	40.82	849.79	167.21
Oman	239.00	19.86	259.26	21.84
Philippines	271.00	51.25	346.00	63.31
Poland	...	...	112.00	39.00
Portugal	204.00	37.27	688.23	150.21
Saudi Arab	18.00	3.92	...	...
Union of Serbia & Montenegro	280.12	56.25	...	...
Singapore	...	...	78.00	24.66
South Africa	112.00	22.47	53.00	13.06
Spain	413.00	74.02	339.02	76.67
Thailand	200.12	36.52	...	...
Turkey	...	...	135.00	59.38
U Arab Emts	322.00	29.59	39.69	7.36
U K	599.00	110.63	253.00	60.41
U S A	842.33	210.35
Total	7937.09	1,415.80	9226.98	2,145.87

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Country	2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Baharain IS	207.00	83.66	180.00	63.37
Belgium	2368.00	1011.76	1803.00	623.84
China P RP	144.00	66.45	1208.75	487.14
Egypt A RP	42.00	45.01	--	--
France	--	--	143.96	65.04
Germany	37.00	16.66	--	--
Greece	8.00	3.73	10.00	3.87
Hungary	--	--	54.00	20.90
Indonesia	--	--	0.40	0.23
Iran	--	--	48.00	62.21
Iraq	--	--	2.00	0.79
Israel	48.00	20.61	27.00	9.24
Italy	19.00	8.39	86.00	36.44
Japan	346.00	144.68	375.00	128.32
Jordan	11.00	4.91	--	--
Korea RP	261.00	123.05	272.00	106.12
Kuwait	84.50	36.34	146.00	53.39
Mexico	8.00	13.17	--	--
Morocco	18.00	7.71	--	--
Nepal	102.94	33.39	27.03	10.25
Netherland	72.00	30.97	129.00	45.15
New Zealand	25.00	9.76	28.00	9.74
Oman	22.00	9.67	--	--
Pakistan IR	0.25	0.18	54.00	18.41
Philippines	1524.00	610.36	889.50	307.53
Poland	--	--	38.00	13.74
Portugal	90.00	39.93	397.90	143.86
Saudi Arab	18.00	8.42	27.00	15.02
South Africa	26.00	11.28	74.00	26.28
Spain	43.00	19.10	24.00	56.86
Taiwan	1786.00	752.32	874.00	325.92
Thailand	20.00	10.10	44.00	14.98
Turkey	26.00	21.16	64.00	53.65
U Arab Emts	180.00	80.13	189.00	86.42
U K	401.88	163.79	354.95	125.77
U S A	4.50	4.03	--	--
Yemen Republic	11.00	1.87	--	--
Total	7954.07	3392.62	7570.49	2914.47

23.21 India's Country-wise Exports of Safflower Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Guinea	1.20	0.66	...	...
Hong Kong	0.04	0.02	...	...
Korea RP	1.60	1.32	...	...
Maldives	...	...	14.00	13.57
Nepal	5.00	4.00		
Netherland	2.50	1.13	...	...
New Zealand	3.15	1.98	...	...
Oman	...	...	20.00	20.18
Singapore	21.56	11.46	12.70	3.58
South Africa	...	...	0.05	0.03
U Arab Emts	2.47	3.83	...	...
U Arab Emts	0.50	0.55	...	...
Total	53.02	33.86	50.69	41.82

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	--	--	1.35	0.83
Bangladesh PR	21.20	15.57	48.40	44.27
Canada	--	--	0.40	0.27
Hong Kong	--	--	0.52	0.55
Japan	--	--	0.20	0.15
Mauritius	--	--	0.20	0.12
Nepal	24.00	4.44	0.00	0.00
New Zealand	4.52	2.87	4.10	3.60
Singapore	0.91	0.93	9.77	3.54
South Africa	0.10	0.09	0.30	0.15
Taiwan	--	--	72.00	20.09
U Arab Emts	7.60	7.47	24.89	14.23
U S A	1.80	2.04	--	--
Total	60.13	33.41	162.13	87.80

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	3.07	2.98	3.96	5.09
Bangladesh PR	--	--	12.00	12.44
Canada	0.05	0.06	18.24	14.79
Chile			1.00	1.00

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Guinea	2.73	4.67	--	--
Hong Kong	1.49	1.44	2.33	3.47
Japan	0.22	0.33	--	--
Jordan	--	--	2.00	0.98
Kenya	0.50	0.60	--	--
Malaysia	0.47	0.46	0.25	0.35
Nepal	16.51	4.20	--	--
Netherland	0.56	0.72	--	--
New Zealand	2.00	1.85	0.16	0.22
Oman	0.18	0.19	--	--
Philippines	--	--	0.90	1.57
Singapore	40.37	23.86	16.71	21.10
South Africa	0.30	0.29	--	--
Tanzania rep	0.03	0.14	--	--
U Arab Emts	21.80	21.72	26.66	20.26
U S A	9.10	11.08	21.60	24.89
Total	99.38	74.59	105.81	106.16

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Australia	0.20	0.80	0.71	0.96
Baharain IS	--	--	0.40	0.42
Canada	--	--	0.00	0.00
China P RP	--	--	522.78	696.43
Congo P REP	--	--	0.40	0.56
Hong Kong	2.62	2.86	6.36	6.31
Indonesia	--	--	1.00	0.71
Ireland	--	--	0.02	0.03
Japan	--	--	5.00	2.14
Malaysia	--	--	1.83	2.28
New Zealand	0.40	0.64	0.14	0.24
Singapore	0.96	1.39	21.52	21.99
South Africa	--	--	0.20	0.17
Tanzania Rep	0.12	0.09	--	--
U Arab Emts	34.16	35.91	37.51	39.72
U S A	1.30	1.01	91.33	142.99
Total	39.76	42.70	689.20	914.95

23.22 India's Country-wise Exports of Castor Oil and its Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Afghanistan TIS	...	...	54.00	36.57
Algeria	35.09	19.45	...	...
Argentina	259.62	131.78	65.00	39.97
Australia	1468.28	737.23	1276.42	858.12
Baharain Is	6.60	3.53	6.00	5.88
Bangladesh PR	29.59	15.15	3.00	3.23
Belgium	559.91	263.16	808.01	509.31
Brazil	4000.22	1803.33	2659.12	1524.27
Bulgaria	...	...	10.00	9.17
Belarus	88.04	41.24	...	...
Canada	132.99	72.60	131.14	83.95
Chile	16.00	9.07	35.00	24.29
Taiwan	2345.03	1163.48	1952.40	1265.03
China P RP	52442.04	23131.92	82241.39	45908.00
Colombia	62.09	30.91	54.00	36.14
Congo P REP	5.33	2.83	3.33	1.83
Czech Republic	27.83	14.84	...	...
Egypt A Rp	386.84	193.02	255.00	177.45
Equitl Guinea	...	...	0.06	0.04
Finland	329.00	136.86	457.00	270.52
Fiji Is	2.00	0.66	--	--
Denmark	474.64	241.42	249.00	169.28
France	51823.89	21572.03	76865.00	45033.10
Germany	5415.11	2576.65	4641.23	2991.16
Ghana	...	...	0.19	0.02
Greece	90.20	44.42	64.00	46.47
Guatemala	18.76	10.38	7.80	3.24
Guinea Bissau	0.04	0.02	...	...
Hong Kong	140.02	71.18	167.40	108.85
Indonesia	282.19	141.03	348.02	251.89
Iran	779.05	353.34	928.80	643.13
Iraq	320.99	158.95	229.00	152.30
Israel	713.40	355.65	197.00	155.02
Italy	1731.19	898.17	1145.80	811.01
Cote D' Ivoire	0.30	0.13

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Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Japan	18945.88	8518.01	16395.81	9763.09
Jordan	17.13	8.24	105.00	79.51
Kenya	370.15	193.61	277.60	187.59
Korea RP	4568.06	2199.56	8320.59	3621.03
Kuwait	284.64	134.97	182.20	139.19
Latvia	348.17	182.27	198.00	136.62
Lebanon	49.52	26.67	64.00	44.42
Liberia	2.03	1.23	2.40	1.11
Lithuania	...	...	85.00	53.70
Malaysia	952.43	485.50	677.08	449.85
Maldives	0.01	0	...	...
Mauritius	23.58	5.96	23.65	9.36
Mexico	731.98	354.69	338.90	224.68
Morocco	--	--	18.00	13.73
Mozambique	41.04	25.52	18.00	12.35
Nepal	38.00	20.72	66.75	31.92
Netherland	51060.46	23130.49	61772.22	36283.48
New Zealand	24.11	11.44	19.15	16.36
Nigeria	117.75	58.73	128.79	78.15
Oman	5.00	2.90	...	...
Pakistan IR	16.00	8.00	...	...
Peru	34.18	19.31	65.09	48.07
Philippines	111.93	57.51	144.00	94.34
Poland	106.09	50.44	129.00	86.23
Qatar	...	...	17.00	13.44
Denmark	474.64	241.42	249	169.28
Reunion	1.13	0.55	2.69	1.65
Romania	10.20	6.10	...	...
Russia	2245.62	1125.88	2535.00	1766.29
Saudi Arab	772.48	344.86	495.83	349.41
Singapore	536.30	290.50	410.00	297.57
Slovenia	22.00	12.22	66.00	42.88
South Africa	1743.62	863.9	2543.43	1659.30
Spain	1624.55	722.05	1693.00	989.37
Sri Lanka DSR	63.68	26.49	121.67	78.69

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Sweden	...	...	0.10	0.14
Switzerland	16.00	8.57	57.00	31.99
Syria	96.05	51.34	225.09	146.21
Tanzania Rep	0.74	0.16	0.05	0.03
Thailand	9524.81	4439.8	13018.32	8182.90
Togo	0.60	0.34	...	...
Trinidad	...	...	18.58	5.61
Turkey	2567.15	1265.6	2787.79	1802.49
U Arab Emts	1038.65	540.46	1471.10	1020.79
U K	5640.10	2630.48	5215.14	3181.60
Ukraine	813.00	402.95	771.00	515.00
U S A	28810.72	12614.09	36159.06	21473.59
Venezuela	...	...	16.00	12.58
Vietnam Soc Rep	126.86	66.36	69.00	45.41
Yemen Republic	23.95	11.28	2.89	0.94
Zambia	2.80	2.48	...	...
Unspecified	...	...	84.04	53.06
Total	257515.13	115116.55	331665.42	194165.03

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Argentina	216.00	137.62	95.21	70.92
Australia	982.27	637.04	997.36	813.98
Baharain IIS	38.00	22.83	5.00	4.31
Bangladesh PR	24.65	17.31	10.80	10.70
Belgium	2,813.44	1,651.20	8,157.10	7,185.97
Benin	--	--	1.20	0.40
Brazil	8,037.13	4,188.98	3,511.40	2,535.50
Brunei	--	--	2.53	2.83
Bulgaria	10.00	8.75	10.00	10.87
Canada	15.43	9.86	37.60	29.97
Chile	34.27	26.16	16.00	14.16
Taiwan	1,859.35	1,130.25	1,852.09	1,552.32
China P RP	1,47,430.05	79,627.04	1,39,303.73	1,02,442.99
Colombia	122.00	79.22	44.00	36.06
Congo P Rep	3.60	2.12	2.05	2.37
Denmark	20.00	12.19	--	--

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Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Djibouti	--	--	0.06	0.04
Dominic Rep	--	--	16	12.95
Egypt A RP	493.16	297.55	202.00	176.39
El Salvador	--	--	2.00	2.10
Finland	476.00	248.97	427.79	303.24
Fiji is	1.00	0.90	--	--
France	41,868.70	22,087.66	91,908.35	46,292.76
Germany	2,196.69	1,370.59	1,526.53	1,257.00
Ghana	15.20	9.18	1.86	0.71
Guatemala	3.51	2.10	13.59	7.66
Guyana	1.00	0.64	--	--
Hong Kong	125.04	78.04	144	125.28
Indonesia	24.08	15.48	104.10	103.41
Iran	550.32	349.64	749.00	648.93
Iraq	412.60	261.01	193.00	143.80
Israel	168.60	124.68	469.08	396.20
Italy	931.31	694.67	249.97	229.96
Cote d' Lvoire	0.95	0.31	--	--
Japan	10,679.92	6,004.31	13,527.41	10,822.70
Jordan	48.00	34.29	184.60	172.24
Kenya	36.17	24.44	56.44	43.58
Korea DP RP	--	--	113.00	105.68
Korea RP	4,347.94	2,583.76	4,857.62	4,030.68
Kuwait	139.94	83.75	170.22	138.75
Latvia	169.00	113.61	166.00	143.18
Lebanon	34.00	23.77	32.60	24.82
Liberia	3.89	1.53	4.31	2.56
Libya	--	--	2.00	1.90
Lithuania	65.00	36.72	170.00	145.08
Malaysia	964.94	895.95	1,129.97	984.99
Maldives	0.14	0.14	4.56	3.15
Mauritius	3.16	1.55	8.71	4.78
Mexico	1,068.33	649.6	1,171.22	958.59
Morocco	56.34	38.04	18.00	23.82
Mozambique	22.31	15.73	--	--
Nepal	66.66	29.28	51.65	43.63
Netherland	65,273.80	33,881.18	62,917.49	46,504.93
New Zealand	15.98	13.02	23.77	25.22

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Nigeria	53.60	30.10	176.00	149.04
Norway	16.00	11.26	36.00	29.36
Oman	--	--	21.66	14.89
Panama republic	0.20	0.10	--	--
Peru	18.00	13.59	48.00	45.22
Philippines	51.00	30.87	71.00	53.56
Poland	50.09	27.29	48.00	46.32
Reunion	2.66	1.22	0.64	0.38
Russia	1,777.67	1,098.33	2,644.00	2,299.40
Saudi Arab	425.67	278.18	370.64	339.82
Senegal	1.00	0.36	--	--
Singapore	578.29	377.12	769.92	614.37
Slovenia	--	--	23.00	16.29
South Africa	1,689.26	1,038.89	1,592.81	1,336.56
Spain	591.70	289.73	100.8	96.21
Sri Lanka DSR	192.82	90.56	99.17	60.60
Suriname	--	--	0.29	0.08
Sweden	764.00	378.18	--	--
Syria	520.50	310.82	258.00	241.16
Tanzania Rep	27.20	17.24	4.70	2.80
Thailand	15,592.00	8,334.34	11,982.87	9,486.38
Trinidad	3.00	2.52	--	--
Tunisia	2.00	1.61	2.00	2.01
Turkey	2,463.10	1,435.07	2,842.07	2,380.29
Turkmenistan	--	--	0.60	0.61
Uganda	1.01	0.60	0.03	0.02
U Arab Emts	953.49	581.37	1,644.52	1,392.82
U K	5,631.41	3,121.34	5,389.76	4,061.52
Ukraine	442.50	277.92	490.40	411.33
U S A	42,224.54	22,177.55	30,094.63	20,287.55
Uzbekistan	2.00	3.32	4.00	5.42
Venezuela	18.00	12.11	36.00	30.47
Vietnam SOC Rep	128.10	75.34	197.01	165.07
Yemen Republic	2.20	1.38	4.02	4.81
Zambia	9.89	4.54	6.41	6.84
Zimbabwe			4.50	4.92
Unspecified	2,330.30	1,186.54	1,145.45	730.58
Total	368433.07	198732.03	394771.87	272910.79

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Algeria	18.00	19.63	52.00	45.11
Argentina	418.00	450.97	529.42	437.67
Armenia	--	--	0.40	0.81
Australia	1,338.81	1,405.59	988.71	877.64
Azerbaijan	--	--	1.00	1.31
Baharain IS	5.00	5.77	8.20	9.23
Bangladesh PR	14.82	17.38	45.33	37.31
Belgium	7,473.75	7,733.31	3,887.61	2,972.89
Benin	7.00	5.35	--	--
Brazil	4,500.60	4,244.36	7,000.64	5,261.04
Bulgaria	10.00	14.57	--	--
Belarus	--	--	1.13	2.81
Canada	162.10	163.52	105.57	92.44
Chad	--	--	5.00	5.29
Chile	22.00	20.84	38.00	35.99
Taiwan	1,626.38	1,607.15	1,654.68	1,362.50
China P RP	1,65,473.42	1,50,246.76	2,34,457.92	1,75,058.02
Colombia	224.00	215.27	440.00	387.16
Costa Rica	1.80	2.67	--	--
Cuba	--	--	71.00	71.73
Dominic Rep	16.00	15.52	--	--
Egypt A RP	751.02	848.7	835.72	721.32
El Salvador	1.80	2.44	5.00	6.66
Ethiopia	--	--	6.00	9.61
Equtl guinea	0.05	0.07	--	--
Finland	573.37	513.25	539.00	487.97
Fiji is	2.00	1.00	7.16	5.18
France	68,874.38	65,176.55	68,650.01	50,592.55
Gambia	1.00	1.13	0.40	0.85
Germany	1,288.84	1,444.23	1,206.33	1,093.24
Ghana	102.74	110.46	111.22	118.42
Greece	34.00	35.06	--	--
Guadeloupe	0.20	0.27	--	--
Guatemala	26.00	32.78	32.00	38.46
Haiti	--	--	2.00	2.63
Hong Kong	144.00	157.95	112.00	96.98
Indonesia	160.00	180.33	159.46	145.70
Iran	738.00	775.85	1,171.11	1,000.99

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Iraq	56.73	49.88	12.80	6.19
Ireland	18.00	21.28	--	--
Israel	319.00	328.85	737.88	648.07
Italy	1,435.94	1,358.92	1,647.60	1,273.29
Japan	15,059.78	14,787.52	16,466.40	12,813.37
Jordan	381.39	378.15	472.80	430.15
Kenya	98.39	103.74	104.38	99.72
Korea DP RP	64.00	72.97	128.60	108.69
Korea RP	5,838.98	5,912.09	5,757.33	4,679.90
Kuwait	338.00	367.29	304	259.33
Latvia	316.00	335.60	322.14	274.77
Lebanon	48.00	54.08	50.00	43.97
Liberia	7.07	3.87	19.69	7.30
Libya	--	--	28.17	4.39
Lithuania	146.00	142.39	204.00	156.54
Malaysia	1,072.23	1,087.08	1,341.95	1,142.49
Maldives	2.81	4.84	2.87	4.81
Mauritius	22.72	5.54	16.92	8.31
Myanmar	5.00	4.84	--	--
Mexico	2,388.00	2,397.10	2,203.80	1,822.37
Morocco	54.00	63.19	54.00	56.42
Mozambique	18.00	21.97	54.00	48.51
Nepal	37.38	25.58	100.82	115.12
Netherland	82,774.05	63,734.35	73,128.28	53,203.60
Netherlandantil	--	--	0.09	0.04
New Zealand	13.54	16.24	22.05	21.31
Nigeria	80.20	101.55	208.39	219.22
Norway	72.36	76.87	18.04	14.35
Oman	5.80	4.00	17.00	19.78
Panama republic	4.00	5.90	4.00	4.90
Paraguay	--	--	90.00	70.42
Peru	64.00	71.88	96.00	91.62
Philippines	38.30	40.21	35.00	45.09
Poland	18.00	19.11	44.24	36.67
Portugal	2.00	2.32	--	--
Qatar	2.00	2.80	2.40	2.50
Reunion	2.70	1.72	2.40	1.76
Romania	0.05	0.20	--	--

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Russia	4,046.00	4,166.84	3,576.32	2,896.67
Saudi Arab	525.54	580.60	537.94	488.02
Seychelles	0.05	0.02	0.6	0.48
Sierra Leone	--	--	110.00	81.62
Singapore	941.71	954.82	925.11	718.67
Slovenia	62.20	57.59	66.00	49.50
South Africa	2,301.50	2,351.86	2,311.43	1,950.56
Spain	212.20	219.03	108.00	75.81
Sri Lanka DSR	173.90	127.75	80.15	57.57
Sudan	--	--	28.10	26.68
Sweden	217.00	233.11	17.00	16.00
Switzerland	2.00	1.74	--	--
Syria	935.00	885.86	34.18	23.88
Tanzania rep	16.83	14.11	30.68	23.01
Thailand	17,344.34	16,437.22	20,601.95	15,012.22
Trinidad	11.88	6.26	5.00	6.08
Tunisia	30.00	33.47	--	--
Turkey	4,032.00	3,928.51	4,115.42	3,216.42
Uganda	0.50	0.19	--	--
U Aarab Emts	1,664.03	1,891.74	2,029.06	1,848.93
U k	7,715.56	7,614.36	7,153.08	5,519.45
Ukraine	975.00	1,037.34	584.00	494.89
U s a	48,843.22	47,588.61	58,881.90	45,048.66
Uzbekistan	16.00	17.53	--	--
Venezuela	--	--	18.00	21.26
Vietnam Socrep	360	381.04	368.24	317.75
Yemen Republic	21.48	18.97	41.72	28.66
Zambia	10.06	4.82	11.74	8.99
Zimbabwe	10.96	9.41	7.60	7.91
Total	455282.46	415615.41	527465.28	396654.16

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Algeria	18.00	16.26	18.00	15.58
Argentina	555.00	484.08	512.00	492.68
Australia	1,015.77	949.19	1,152.36	1,147.93
Baharain IS	40.00	40.62	36.20	34.35
Bangladesh PR	32.00	33.34	44.05	45.26

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Belgium	3,685.00	3,010.53	3,957.00	3,479.56
Benin	18.00	17.2	--	--
Botswana	0.20	0.14	0.05	0.06
Brazil	4,742.90	3,796.64	744.67	658.57
Bulgaria	--	--	22.00	20.27
Canada	260.52	244.84	184.66	186.73
Chile	44.00	36.30	63.50	59.92
Taiwan	1,873.05	1,644.77	1,852.05	1,769.13
China P RP	2,15,268.48	1,67,855.35	1,57,301.27	1,31,540.57
Colombia	300.00	258.68	156.00	149.18
Dominic Rep	16.00	17.16	--	--
Egypt A RP	1,014.00	938.09	1,347.03	1,244.09
El Salvador	7.40	10.19	5.20	6.97
Ethiopia	--	--	0.50	0.65
Finland	680.00	544.09	347.00	268.18
Fiji is	2.41	1.00	2.90	2.67
France	66,714.11	51,462.50	67,343.52	55,765.76
Germany	1,658.61	1,591.36	1,738.55	1,778.02
Ghana	194.25	193.88	357.45	389.88
Greece	36.00	32.25	88.00	81.74
Guadeloupe	1.00	0.65	--	--
Guatemala	--	--	50.00	54.69
Guinea	0.01	0.01	--	--
Haiti	4.00	3.91	10.50	13.57
Honduras	2.00	2.79	8.00	11.08
Hong Kong	86.04	77.92	246.07	255.21
Indonesia	102.00	92.16	132.00	132.02
Iran	1,518.80	1,387.21	856.4	866.94
Iraq	37.90	43.16	102.84	97.19
Israel	866.47	718.50	814.60	733.98
Italy	2,481.60	1,995.71	2,836.50	2,501.91
Japan	13,618.30	10,899.44	16,432.46	14,195.75
Jordan	523.25	512.44	370.70	360.56
Kenya	103.75	106.17	78.00	79.60
Korea DP RP	60.00	46.59	17.00	16.38
Korea RP	7,043.83	5,967.27	7,038.00	6,388.78
Kuwait	274.00	257.57	530.07	537.58
Latvia	254.00	218.55	117.20	122.16

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Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Lebanon	68.00	62.84	48.00	47.47
Liberia	--	--	0.78	1.23
Libya	10.00	9.94	--	--
Lithuania	200.00	165.06	175.6	158.92
Malawi	1.18	2.34	0.10	0.03
Malaysia	1,303.16	1,127.90	49,809.56	41,412.38
Maldives	0.03	0.02	0.07	0.10
Mauritius	11.60	8.91	2.38	5.06
Myanmar	25.00	26.44	5.03	5.20
Mexico	1,959.02	1,706.67	2,197.81	2,030.01
Morocco	68.00	64.88	75.00	81.52
Mozambique	52.50	44.77	18.14	18.94
Nepal	38.40	49.19	67.62	65.7
Netherland	79,157.89	61,791.98	80,579.80	68,188.05
Netherlandantil	0.04	0.04	0.10	0.15
New Zealand	17.02	18.78	17.30	21.25
Nigeria	252.52	250.41	246.00	257.77
Norway	72.00	69.63	18.00	17.52
Oman	24.00	26.23	8.60	11.88
Pakistan IR	--	--	20.00	21.72
Panama republic	76.00	85.41	45.00	52.88
Peru	63.2	64.57	82.00	88.4
Philippines	80.00	76.00	52.9	51.95
Poland	--	--	108	96.82
Qatar	22.02	21.17	38.00	30.42
Reunion	3.83	2.09	2.09	2.06
Romania	18.00	17.16	--	--
Russia	3,419.00	2,961.74	3,529.50	3,262.04
Saudi Arab	335.93	326.08	821.8	778.17
Singapore	773.97	714.36	906.07	889.61
Slovenia	110.00	92.12	44.00	37.92
South Africa	2,483.03	2,249.88	2,237.22	2,137.30
Spain	257.00	213.90	222.00	194.28
Sri Lanka DSR	235.20	179.33	172.07	128.21
Sudan	2.97	3.32	7.85	7.62
Sweden	11.20	10.37	--	--
Switzerland	--	--	0.01	0.01
Syria	32.00	31.41	48.00	48.38

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Tanzania Rep	47.13	38.17	113.50	115.54
Thailand	22,772.05	17,574.79	20,738.98	17,399.67
Trinidad	2.00	2.22	5.00	6.49
Tunisia	22.00	18.78	44.00	40.61
Turkey	4,972.80	4,152.18	5,714.70	5,129.00
Uganda	0.80	0.92	0.02	0.03
U Arab Emts	2,402.24	2,308.03	2,631.20	2,594.03
U K	7,682.50	6,343.40	7,766.84	6,799.15
Ukraine	539.00	478.92	408.00	389.35
U S A	50,109.58	40,201.78	59,373.75	51,775.88
Uzbekistan	32.00	56.42	16.00	17.12
Vietnam SOC REP	380.30	340.37	433.00	422.53
Yemen Republic	25.40	25.04	46.60	52.12
Congo d. Rep.	2.05	1.99	0.60	0.73
Zambia	6.03	7.83	6.80	9.66
Unspecified	7.39	12.37	--	--
Total	505339.63	399546.68	505819.69	430408.03

23.23 India's Country-wise Exports of Dehydrated Castor Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	2	1.25	...	...
Australia	28.22	16.25	39.91	31.01
Bangladesh PR	...	...	3	2.33
Belgium	186.3	114.52	84	67.2
Brazil	...	...	30	43.69
Canada	...	...	0.5	0.18
China P RP	16.2	10.66	17.29	12.21
Egypt A RP	...	...	16	9.96
Greece	...	...	40.02	2.85
Iran	...	...	4	2.95
Italy	58.6	35.49	77	59.27
Japan	183	101.88	218.41	181.52
Kenya	3.6	1.97	...	...
Korea RP	37.48	22.54	46	26.83
Kuwait	49.64	29.58	32	30.96
Lebanon	...	...	16	11.64
Malaysia	51.66	34.17	36.4	29.18
Nepal	0.28	0.14	2.84	2.28
Netherland	4616.64	2005.87	38	27.95
New Zealand	34.56	20.29	63.05	48.81
Nigeria	32	18.06	20	18.13
Russia	...	...	32	28.18
Saudi Arab	...	...	47	36.14
Singapore	23.66	14.62	16.14	13.19
South Africa	229.6	142.89	222	170.31
Spain	...	...	3	2.42
Taiwan	26	19.02	23	20.57
Tanzania REP	0.9	0.4	...	...
Thailand	...	...	17.09	11.14
Togo	0.05	0.03	...	...
U Arab Emts	87.84	55.57	237	187.65
U K	134.64	76.56	189	161.51
U S A	441.9	243.24	191.24	170.71
Total	6244.77	2965	1761.89	1410.77

Country	2009-2010		2010-2011		2011-12	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	26.80	19.95	33.00	32.24	13.80	17.74
Bangladesh PR	6.00	5.43	8.91	1.94	--	--
Belgium	118.00	88.10	34.00	34.70	17.00	21.23
Benin	16.00	8.63	--	--	--	--
China P RP	66.00	48.35	33.09	31.99	--	--
Congo P Rep	--	--	0.60	0.51	--	--
Egypt A RP	64.00	39.54	--	--	16.00	18.96
Ethiopia	--	--	--	--	5.17	1.25
Germany	--	--	17.09	11.63	--	--
Ghana	0.05	0.01	--	--	--	--
Indonesia	6.20	4.62	51.42	63.71	48.00	71.02
Iran	--	--	10.00	9379	5.28	3.25
Israel	62.00	40.34	--	--	--	--
Italy	46.00	35.40	75.00	73.93	102.12	97.14
Japan	140.00	103.43	161.00	149.71	203.00	230.25
Kenya	--	--	--	--	2.20	3.61
Korea RP	20.00	16.45	50.09	42.03	12.00	16.13
Kuwait	32.00	24.67	48.00	54.40	48.00	60.25
Lebanon	16.00	11.95	--	--	--	--
Liberia	--	--	0.12	0.19	--	--
Malaysia	75.00	55.11	72.00	73.12	98.85	125.38
Nepal	14.81	2.87	--	--	1.75	3.58
Netherland	48.80	35.82	48.66	41.92	48.00	57.96
New Zealand	39.00	30.32	55.00	58.15	--	--
Nigeria	120.00	76.36	22.00	55.52	64.00	78.87
Oman	5.00	3.43	--	--	6.00	7.66
Russia	--	--	33.00	30.72	16.00	17.19
Saudi Arab	16.00	10.33	36.68	30.03	48.80	51.03
Singapore	10.05	7.39	--	--	1.04	0.42
South Africa	341.00	250.04	287.05	285.09	241.00	289.06
Sri Lanka DSR	0.69	0.41	10.00	10.32	--	--
Taiwan	38.80	27.13	8.00	8.52	3.00	3.61
Tunisia	14.00	11.19	14.00	13.76	16.00	20.28
Turkey	6.00	4.23	10.00	10.83	8.00	10.76
Turkmenistan	3.00	2.56	--	--	--	--
U Arab Emts	305.90	193.11	95.16	122.71	107.07	125.78
U K	137.00	96.88	80.00	75.96	51.03	64.31
U S A	325.99	250.74	175.03	155.70	276.60	347.57
Total	2120.09	1504.79	1468.90	10848.33	1459.71	1744.29

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Country	2012-2013		2013-2014		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	25.00	25.39	51.09	56.00	60.47	71.93
Bangladesh PR	--	--	2.39	4.87	2.38	4.90
Belgium	17.00	19.11	--	--	49.00	54.79
Brazil	187.00	168.33	62.00	60.63	--	--
Cambodia	--	--	0.60	1.32	--	--
China P RP	--	--	0.04	0.17	--	--
Cote D'Ivoire	2.00	1.33	--	--	--	--
Fiji IS	0.80	0.86	--	--	--	--
France	17.00	15.83	47.00	49.77	29.00	30.08
Greece	--	--	--	--	1.40	2.56
Ghana	0.10	0.16	--	--	--	--
Indonesia	64.00	77.58	71.80	98.79	113.60	164.22
Israel	--	--	--	--	16.00	20.85
Italy	27.00	28.03	48.01	49.67	30.00	31.43
Japan	186.00	184.78	159.00	161.50	243.00	270.37
Korea RP	12.00	0.02	--	--	--	--
Kuwait	8.00	9.65	32.00	36.86	32.00	38.96
Lebanon	--	--	--	--	32.00	34.23
Madagascar	--	--	0.14	0.07	0.05	0.03
Malaysia	97.20	108.09	97.18	113.17	80.10	99.01
Nepal	--	--	2.29	2.23	--	--
Netherland	48.00	49.78	43.00	49.25	52.80	56.95
New Zealand	4.00	4.53	--	--	--	--
Nigeria	32.00	35.29	48.00	56.52	32.00	38.25
Reunion	0.25	0.25	0.47	0.48	0.40	0.71
Russia	--	--	16.00	15.99	--	--
Saudi Arab	16.00	17.67	1.00	3014	1.00	3.00
Singapore	1.04	0.42	--	--	--	--
South Africa	184.00	189.73	107.00	109.26	68.00	78.78
Sri Lanka DSR	10.50	8.31	1.27	1.09	2.00	1.59
Sudan	--	--	1.00	1.50	--	--
Taiwan	6.00	6.52	30.00	32.75	16.00	18.44
Tanzania Rep	--	--	--	--	1.00	1.19
Thailand	--	--	--	--	0.40	0.56
Tunisia	00	0.01	16.00	16.99	--	--
Turkey	16.00	16.83	4.37	7.70	32.00	40.37
Uganda	--	--	1.00	1.21	--	--
U Arab Emts	28.12	32.62	44.05	53.60	51.14	57.50
U K	64.00	67.71	66.45	70.12	48.60	56.95
U S A	396.70	405.40	170.00	190.32	44.63	63.47
Yemen Republic	--	--	1.00	1.27	7.20	3.14
Total	1449.71	1474.23	1124.15	4257.10	1046.17	1244.26

23.24 India's Country-wise Exports of Hydrogenated Castor Oil (OPL Wax)

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Algeria	126.53	80.17	766	561.91
Argentina	95	51.32	139	96.91
Australia	133.3	70.21	336	232.48
Bangladesh PR	1	0.81	2	1.64
Belgium	1194	582.38	1908	1455.68
Brazil	30	15.82	68	47.98
Canada	159	90.67	153.48	136.58
Chile	...	...	6	6.28
China P RP	18.5	12.88	327	250.34
Colombia	100	42.54	85	53.87
Denmark	96	52.03	168	128.83
Egypt A RP	...	...	247	210.7
France	121	65.78	33	24.27
Germany	21.08	11.59	293.2	305.57
Ghana	17	10.11	18	12.39
Greece	26.5	12.24	75	51.57
Hong Kong	31.09	17.82	117	91.99
Indonesia	22	11.55	78.15	48.48
Iran	145	79.55	166	113.23
Israel	...	...	16	11.36
Italy	1505.28	802.76	1495.2	1052.63
Japan	3623.43	1879.58	3260.45	2356.87
Kenya	1	0.56	2.16	1.96
Korea RP	420.88	207.35	1133	690.23
Kuwait	12	6.87	75	53.47
Malaysia	60	31.51	108.35	74.49
Mexico	58	34.71	126	85.44
Morocco	...	...	52	37.78
Nepal	0.64	0.37	3.3	2.81
Netherland	3318.81	1656.12	4737.28	3520.42
New Zealand	9	5.14	17	16.64
Nigeria	...	...	33	24.59
Pakistan IR	32	16.89	79.2	57.05
Philippines	...	...	125	95.59
Poland	...	...	16	14.47
Russia	66	37.53		
Saudi Arab	599.79	294.73		274.05
Singapore	338.8	154.34	441.1	250.28
South Africa	131.19	62.72	325	272.56
Spain	873.53	470.16	377	829.7

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Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Sri Lanka DSR	8	2.98	1170	32.03
Sudan	9	4.34	115	
Sweden	14	6.97	30	24.31
Switzerland	0.1	0.03	...	...
Syria	30	16.3	...	...
Taiwan	70	34.05	62.3	46.26
Thailand	36	20.87	10	6.07
Turkey	764.07	366.83	1190.52	927.39
U Arab Emts	513.53	285.95	739.4	518.46
U K	1089.87	577.9	998	719.63
U S A	2228.6	1164.22	1953.97	1353.88
Ukraine	82	42.53	...	...
Unspecified	...	...	87	68.2
Vietnam SOC REP	189.3	98.35	70	46.72
Total	18421.82	9490.13	23834.06	17296.04

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Argentina	159.00	103.21	208.50	149.04
Australia	294.00	192.54	272.00	239.10
Bangladesh PR	5.00	3.92	11.00	10.20
Belgium	2419.68	1467.21	2641.00	2209.76
Brazil	108.00	74.66	89.00	72.66
Canada	169.00	132.49	231.00	202.12
China P RP	298.29	191.75	254.50	180.48
Colombia	100.00	79.02	50.00	34.55
Czech republic	--	--	4.00	3.38
Denmark	48.00	31.48	408.00	355.08
Dominic rep			20.00	20.65
Egypt A RP	83.00	53.15	105.01	84.80
France	22.00	13.72	26.00	22.41
Germany	117.82	101.15	221.80	232.13
Greece	49.00	31.43	48.00	36.97
Guinea	--	--	9.92	5.55
Hong Kong	173.00	104.10	40.00	32.79
Indonesia	56.00	33.05	83.00	74.64
Iran	287.65	177.80	611.90	516.23
Israel	16.00	10.99	55.00	53.25
Italy	2638.12	1681.68	2752.34	2339.98

Country	2009-10		2010-11	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Japan	3682.96	2427.78	4042.61	3438.47
Kenya	14.00	9.27	--	--
Korea DP RP	--	--	52.00	46.61
Korea RP	887.13	544.87	705.77	581.87
Kuwait	--	--	88.00	74.60
Malaysia	363.00	242.64	194.33	165.12
Mexico	409.42	270.12	317.00	251.17
Morocco	191.00	133.04	64.00	66.81
Nepal	12.70	8.10	17.90	13.03
Netherland	5295.77	3407.74	4627.76	3964.14
New Zealand	2.00	1.52	7.00	6.24
Nigeria	34.00	26.04	0.00	0.00
Oman	14.00	13.61	--	--
Pakistan IR	86.00	53.79	58.24	53.26
Philippines	152.92	97.39	178.00	141.64
Saudi Arab	754.00	484.50	566.00	509.03
Singapore	449.00	284.66	377.00	263.99
South Africa	438.66	301.36	509.70	410.02
Spain	1021.57	646.97	969.00	862.36
Sudan	107.00	68.91	--	--
Sweden	40.00	24.81	--	--
Syria	25.00	16.19	51.00	44.54
Taiwan	93.33	65.17	185.00	163.13
Tanzania rep	12.00	7.00	--	--
Thailand	54.00	37.38	20.00	18.80
Tunisia	16.00	9.86	--	--
Turkey	656.25	452.82	1356.56	1091.40
U Arab Emts	792.33	506.08	896.02	796.46
U K	580.39	360.10	804.00	683.74
U S A	3443.89	2218.03	3714.12	3114.41
Ukraine	--	--	16.00	15.55
Unspecified	553.00	342.86	131.00	113.05
Uruguay	--	--	1.00	1.17
Vietnam SOC REP	210.37	136.63	154.00	136.21
Total	27435.28	17682.63	28244.98	23902.57

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Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Argentina	250.00	292.40	535.00	506.97
Australia	414.84	452.92	340.73	301.79
Bangladesh PR	--	--	16.00	15.02
Belgium	3086.00	3426.06	3989.52	3420.82
Brazil	566.00	558.77	1771.79	1500.24
Canada	78.00	87.88	137.35	130.74
China p RP	259.00	317.04	63.00	61.36
Colombia	135.00	153.18	112.00	115.27
Denmark	288.00	315.30	96.00	90.87
Egypt a RP	137.59	128.60	164.20	148.76
France	535.00	515.52	1077.60	917.12
Germany	411.19	402.89	261.86	240.14
Greece	24.00	24.87	48.17	30.60
Guinea	7.00	11.19	0.00	0.00
Hong Kong	34.00	38.15	54.00	49.76
Indonesia	150.88	150.53	124.00	104.33
Iran	571.00	646.69	532.00	507.98
Israel	42.00	42.38	27.00	23.35
Italy	2520.05	2699.58	1827.49	1540.07
Japan	4774.20	5404.10	4247.66	3822.69
Jordan	--	--	17.00	13.82
Kenya	--	--	2.28	2.54
Kiribati Rep	26.00	24.72	--	--
Korea DP RP	--	--	20.00	36.12
Korea RP	1048.44	1185.88	890.84	933.31
Kuwait	291.62	325.30	245.68	189.53
Liberia	11.40	2.69	--	--
Malawi	--	--	1.00	1.95
Malaysia	523.65	573.59	572.00	505.72
Mexico	309.23	370.63	393.04	344.52
Morocco	154.00	188.36	91.00	87.76
Nepal	29.74	37.56	28.74	54.87
Netherland	7015.04	7775.51	7545.20	6466.62
New Zealand	12.00	13.11	2.00	2.29
Nigeria	44.00	44.11	0.00	0.00
Pakistan IR	141.00	142.55	49.00	39.86
Philippines	178.50	201.97	90.68	76.76
Poland	6.00	6.60	16.00	12.66

Country	2011-12		2012-13	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Qatar	11.00	13.35	--	--
Russia	102.00	128.70	9.50	7.76
Saudi Arab	443.50	479.22	664.85	588.69
Singapore	840.00	917.98	353.10	353.65
South Africa	613.00	662.75	389.15	355.92
Spain	1157.81	1255.36	969.34	843.31
Sri Lanka DSR	0.00	0.00	0.00	0.00
Sudan	107.00	107.88	34.00	28.93
Sweden	--	--	44.00	37.40
Syria	91.00	92.41	--	--
Taiwan	113.50	122.50	150.81	127.98
Tanzania Rep	22.88	17.56	35.00	29.70
Thailand	176.57	176.25	3.30	3.00
Turkey	1687.65	2004.64	1610.40	1626.40
U Arab Emts	888.56	968.63	1035.70	879.73
U K	858.01	921.91	1190.98	1034.98
U S A	4526.34	5184.07	5052.36	4510.31
Uzbekistan	1.00	1.24	--	--
Vietnam SOC REP	150.00	166.01	158.60	128.51
Total	35864.19	39781.10	37090.92	32852.48

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Algeria	96.00	92.80	--	--
Argentina	461.00	434.84	199.00	194.64
Australia	309.00	298.11	416.74	421.62
Bangladesh IR	8.00	8.49	10.00	10.22
Belgium	3281.00	3028.17	3494.00	3395.14
Brazil	2191.00	2004.66	799.00	780.59
Canada	90.00	80.83	126.00	130.58
China P RP	30.00	30.23	61.00	63.79
Colombia	48.00	45.40	78.00	75.37
Denmark	192.00	177.78	48.00	46.86
Dominic Rep	--	--	2.40	3.06
Egypt A RP	155.20	145.19	116.00	109.63
France	1052.72	933.65	1246.36	1242.39
Germany	83.90	80.15	183.00	184.06

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Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Greece	44.00	40.63	78.00	76.73
Guatemala	--	--	16.60	22.73
Guinea	1.51	2.05	2.00	2.74
Hong Kong	54.00	52.56	18.00	19.41
Indonesia	117.50	104.35	96.00	92.57
Iran	722.00	715.70	296.00	297.39
Iraq	--	--	0.03	0.11
Israel	41.00	36.45	26.00	24.93
Italy	1875.00	1674.42	2029.11	1961.16
Japan	5048.00	4834.99	5523.07	5693.46
Jordan	20.00	19.87	25.00	25.72
Kenya	25.40	27.65	41.50	41.58
Korea DP RP	10.00	18.58	--	--
Korea RP	917.00	993.01	927.26	948.71
Kuwait	96.00	79.44	163.20	162.02
Lebanon	--	--	36.00	36.30
Malaysia	609.00	580.97	700.30	716.88
Mexico	411.10	390.73	458.02	460.86
Morocco	80.00	81.36	149.00	148.33
Myanmar	--	--	3.00	4.44
Nepal	35.43	33.68	70.25	68.34
Netherland	8130.35	7301.63	9114.03	8925.69
New Zealand	--	--	8.00	9.12
Pakistan IR	105.00	91.97	70.00	67.85
Panama Republic	6.00	7.00	9.00	10.82
Philippines	107.50	98.74	180.90	166.15
Portugal	--	--	1.00	1.37
Qatar	30.00	28.20	38.00	39.30
Russia	18.00	16.18	17.00	16.75
Saudi Arab	295.00	276.50	494.69	497.10
Singapore	487.00	472.49	612.00	600.66
Slovenia	12.00	11.73	4.00	3.89
South Africa	382.68	371.59	517.30	541.71
Spain	952.00	867.17	1243.00	1204.31
Sri Lanka DSR	3.25	4.91	2.00	2.85

Country	2013-14		2014-15	
	Quantity (1000 kgs)	Values in (₹ Lakhs)	Quantity (1000 kgs)	Values in (₹ Lakhs)
Sudan	--	--	34.00	33.84
Sweden	110.00	77.61	109.00	106.89
Taiwan	116.40	100.62	443.00	460.71
Tanzania Rep	116.00	107.76	72.00	70.53
Thailand	51.00	45.60	83.00	75.19
Turkey	1619.30	1585.52	1673.60	1671.02
U Arab Emts	1239.55	1126.95	1134.60	1102.17
U K	1781.00	1578.53	750.00	720.34
U S A	4461.47	4230.57	5487.69	5477.27
Uganda	--	--	10.00	6.25
Ukraine	17.60	21.42	--	--
Vietnam SOC REP	186.00	170.74	91.10	90.40
Total	38331.86	35640.16	39636.75	39364.51

23.25 India's Country-wise Exports of Oil Cake and Oil Meal of Castor Seed

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Belgium	106.00	4.48	101.00	7.89
China P RP	1364.00	65.44	1003.00	67.89
France	3815.00	180.91	4908.00	292.28
Germany	151.08	7.64	446.00	38.47
Italy	160.00	15.05	52.00	4.18
Japan	...	...	40.00	2.96
Korea RP	209326.29	8710.07	187103.85	9557.89
Malaysia	145.00	8.05	783.00	53.41
Nepal	20.00	0.88	44.99	1.64
Netherland	869.40	46.09	642.00	25.52
New Zealand	16.00	0.93	...	...
Oman	19.00	1.20	20.00	2.27
Singapore	3615	212.99	8350.00	422.97
Sri Lanka Dsr	...	...	100.00	6.70
Taiwan	61529.30	2676.21	35716.62	1927.02
U Arab Emts	112.00	3.50	...	...
U S A	113.00	10.31	80.00	4.74
Vietnam SOC REP	...	...	297.00	12.23
Total	281361.07	11943.75	239687.46	12428.06

Country	2009-2010		2010-2011		2011-12	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Belgium	88.00	4.32	196.89	12.30	150.00	12.85
China P RP	547.00	39.64	4101.09	293.36	526.00	43.05
France	4699.00	209.46	4221.57	215.29	6262.00	367.09
Germany	--	--	--	--	--	--
Italy	--	--	--	--	59.00	5.22
Japan	0.10	0.01	435.68	35.47	1020.00	100.17
Korea DP RP	--	--	--	--	2660.00	124.75
Korea RP	233524.00	8018.68	222620.10	9735.00	308351.98	15860.80
Kuwait	--	--	--	--	107.00	8.10
Malaysia	1073.00	72.05	1132.00	64.27	1028.22	68.11
Nepal	--	--	16.20	0.49	--	--
Netherland	--	--	--	--	--	--
New Zealand	--	--	--	--	--	--
Oman	--	--	--	--	28.00	2.41
Saudi Arab	600.00	22.04	--	--	--	--

Country	2009-2010		2010-2011		2011-12	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Singapore	1900.00	62.46	1.00	0.05	--	--
Sri Lanka DSR	298.00	23.82	470.00	41.42	98.00	6.18
Taiwan	47695.00	1930.72	49887.11	2333.94	59861.43	3401.23
Togo	200.00	7.13	--	--		
Turkey	--	--	--	--	19.00	1.49
U Arab Emts	--	--	--	--	--	--
Uganda	--	--	--	--	1.15	0.23
U S A	--	--	32.00	3.68	--	--
Vietnam SOC REP	2043.00	93.26	491.00	19.21	1989.00	113.41
Unspecified	667.00	30.85	454.00	18.29	--	--
Total	293334.10	10514.45	284058.64	12772.85	322299.35	20115.09

Country	2012-2013		2013-2014		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Baharain IS	0.50	0.05	0.25	0.04	--	--
Belgium	131.00	12.53	234.00	21.10	230.00	23.56
Benin	100.00	11.69	--	--	--	--
Brazil	32.00	5.10	--	--	--	--
Canada	--	--	--	--	20.00	5.87
China P RP	40.00	2.29	33.00	4.59	1997.00	207.95
France	8851.00	521.42	3582.00	217.94	5563.50	450.58
Germany						
Iran	20.00	2.23	200.00	23.86	200.00	26.00
Italy	375.00	37.38	429.00	47.75	436.00	47.82
Japan	2684.00	307.91	13982.00	1719.96	16850.00	2075.60
Jordan	--	--	--	--	1.00	0.52
Korea RP	348447.56	18053.56	504458.03	28073.52	417231.00	27883.62
Malawi	--	--	--	--	0.40	0.48
Malaysia	1471.90	106.76	1565.00	109.59	1107.00	94.18
Maldives	--	--	--	--	2.00	0.48
Nepal	--	--	40.00	1.79	--	--
Netherland	--	--	--	--	21.00	1.75
New Zealand	--	--				
Oman	--	--	20.00	2.01	40.00	4.34
Singapore	--	--	--	--	--	--
South Africa	0.30	0.02	--	--	--	--
Spain	--	--	0.15	0.09	--	--
Sri Lanka Dsr	101.63	7.08	100.00	6.57	103.00	8.88

Country	2012-2013		2013-2014		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Taiwan	71373.80	4361.09	75696.77	4863.67	81704.40	6198.57
Thailand	988.00	354.37	--	--	--	--
U Arab Emts	--	--	--	--	--	--
U S A	96.00	7.98	112.00	10.14	122.00	9.40
Vietnam SOC REP	2309.00	150.29	2010.00	118.67	--	--
Total	437021.69	23941.75	602462.20	35221.28	525628.30	37039.60

Note: Source for the tables from 23.1 to 23.25 is DGCI&S, GOI, Kolkata

23.26. India's Share in world Exports of Oilseeds and Oleaginous Fruits

(Quantity in)

Year	World	India	India's Share (%)
1980	9487	30	0.3%
1985	7896	20	0.3%
1990	10477	83	0.8%
2000	14388	244	1.7%
2012	78800	1528	1.9%
2013	78999	1419	1.8%

Source: UN International Trade Statistics Year Book 2012 & 2013

24. IMPORTS OF OILSEEDS AND OILS

24.1 Imports of Vegetable Oils

Year	Vegetable oils Imports		Total of Agril. Products (₹ Crore)	Total of country's imports (₹ Crore)	% share of Agric. products to total imports	% share of vegetable oils to total Agric. Imports	% share of vegetable oils to total imports
	Quantity ('000 tonnes)	Value in (₹ Crore)					
2000-01		6093	12086	228307	5.3	50	2.669
2001-02	4322	6465	16257	245200	6.6	40	2.637
2002-03	4365	8780	17609	297206	5.9	50	2.954
2003-04	5290	11683	21973	359108	6.1	53	3.253
2004 -05	4751	11077	22812	501065	4.6	49	2.211
2005-06	4288	8961	21499	660409	3.2	43	1.357
2006-07	4269	9540	29638	840506	3.5	32	1.135
2007-08	4903	10301	29906	1012312	3.0	34	1.018
2008-09	6719	15819	37183	1374436	2.7	43	1.151
2009-10	8034	26483	59528	1363736	4.3	44	1.942
2010-11	6905	29860	57334	1683467	3.4	52	1.777
2011-12	8445	46255	82819	2345463	3.5	56	1.972
2012-13	11014	61107	109611	2669162	4.1	56	2.289
2013-14	10434	56488	105149	2714182	3.9	54	2.081

Source: Agricultural Statistics at a Glance and DGCIS, Kolkata

24.2 Imports of Edible Oils and Exports of Oil cakes

Year	Edible Oil Imports		Exports of Oil cakes	
	Qty ('000 t)	Value (₹ crores)	Qty ('000 t)	Value (₹ crores)
1980-81	1633	669	886	125
1981-82	1350	624	824	118
1982-83	1090	395	1120	149
1983-84	1383	733	979	152
1984-85	1227	843	829	137
1985-86	1036	735	807	134
1986-87	1474	626	1045	190
1987-88	1945	969	1127	213
1988-89	1083	730	1609	409
1989-90	324	209	2841	612
1990-91	526	326	2448	609
1991-92	226	248	3650	922
1992-93	103	167	3679	1545
1993-94	114	167	4821	2324
1994-95	347	624	4151	1798
1995-96	1062	2260	4331	2349
1996-97	1417	2929	4788	3495
1997-98	1266	2765	4498	3435
1998-99	2622	7589	3488	1942
1999-00	4196	8046	2594	1638
2000-01	4268	6093	2418	2045
2001-02	4322	6465	2782	2263
2002-03	4365	8779	1776	1847
2003-04	5290	11683	3250	3348
2004 -05	4751	11077	3603	3178
2005-06	4288	8961	5976	4875
2006-07	4269	9540	6437	5504
2007-08	4903	10301	6909	8141
2008-09	6714	15819	6743	10269
2009-10	8034	26483	4671	7832
2010-11	6678	29860	677	10811
2011-12	8445	46255	7406	11796
2012-13	11014	61107	6578	16520
2013-14	10453	56572	6577	17070

Source: Various issues of Economic Survey, GOI

24.3 Imports of Oilseeds and Oilseed Products 2000-01 to 2014-15 (April – March)

Oilseeds and Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crore)	Quantity (1000 kg)	Value (₹ crore)	Quantity (1000 kg)	Value (₹ crore)
Soybean	132.00	0.31	57.00	0.09	18.00	0.06
Groundnuts	...	...	...	...	...	...
Copra	...	...	...	...	...	...
Linseed	1654.00	2.00	424.00	1.00	1486.00	2.00
Rapeseed/Colza	...	...	...	...	...	...
Sunflower	...	...	...	...	0.29	0.01
Palm nuts and kernels						
Sesame seeds	47.00	0.13	3.00	0.01	1063	2.00
Mustard Seeds	1489	3	2131	4	1839	4.00
Jajoba seeds	1.00	0.04	...	...	...	...
Other oilseeds	1997.00	4.80	353.00	0.59	28.00	0.13
Flours and Meals of Soybean	1.00	0.00	4.00	0.02	19.00	0.05
Safflower (including assorted saffron)	...	...	3.00	....	...	...
Soybean crude oil Degummed	216072.00	315.00	1124030.00	1871.00	934500.00	2049.00
Other Soybean oil its fractions	366912.00	589.00	233889.00	402.00	262034.00	577.00
Groundnut oil its fractions	30.00	0.25			0.48	0.01
Crude Palm oil and fractions	994233.00	1242.00	1726498.00	2436.00	2691238	5176
Refined Palm oil and fractions	2060690.00	2829.00	1006621.00	1319.00	361387.00	717.00
Refined Palm Kernel oil	1923.00	5.00	2504.00	5.00	2843.00	7.00
Sunflower seed oil crude	205457.00	360.00	66257.00	134.00	37388.00	102.00
Sunflower seed oil	315113.00	553.00	59273.00	119.00	28.00	102.00
Safflower seed oil	10172.00	29.24	7986.00	23.00	...	...
Cotton seed oil	11633.00	20.00	2749.00	5.00	...	...
Other cotton seed oil	12174.00	26.00	9001.00	2.00	...	...
Coconut Crude	18.00	0.08	6872.00	10.00	16652.00	35.00
Coconut refined oil and fractions	8559.00	17.00	16737.00	27.00	13763.00	28.00
Crude Palm oil and Fractions	35812.00	62.00	49370.00	72.00	40358.00	79.00
Crude Linseed oil and fractions	409.00	1.00	153.00	0.00	160.00	1.00
Other Linseed oil and fractions	1932.00	5.00	1834.00	6.00	47.00	0.12
Castor oil and its fractions	3.00	0.06	6.00	0.10	6.00	0.08
Sesame oil and fractions	19.00	1.00	112.00	0.39	31.00	0.40
Jajoba Oil	0.19	0.02	0.00	0.01	1.00	0.06
Rice bran oil	2768.00	4.00	5617.00	8.00	4056.00	8.00
Cotton seed oil	6835.00	18.00	2164.00	9.00	311.00	1.00

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Oilseeds and Oilseed Products	2000-01		2001-02		2002-03	
	Quantity (1000 kg)	Value (₹ crore)	Quantity (1000 kg)	Value (₹ crore)	Quantity (1000 kg)	Value (₹ crore)
Groundnut oil other than edible	231.00	1.00	9.00	0.021		
Hydrogenated castor oil	...	...	...	...	0.025	0.0004
Other Veg. Oils and fats	9469.00	30.00	108647.00	273.00	45556.00	151.00
Castor oil dehydrated	7.00	0.10	12.00	0.20	30.00	0.27
Linseed oil Boiled etc	...	...	...	...	0.02	0.03
Cake and meal of Groundnut	...	...	...	...	100.00	0.03
Oilcake and oilmeal of soybean	79.00	0.10	3290.00	1.00	95.00	0.03
Deoiled meal of Soybean, SE	3651.00	4.00	11665.00	12.00	51.00	0.07
Oilcake and meal of Linseed, Exp. Variety	1331.00	1.00	272.00	0.00	150.00	0.00
Oilcake and meal of Linseed	489.00	0.21	79.00	0.05	...	...
Oilcake and meal of sunflower seed	...	...	...	...	...	...
Oil cake and meal of Rape/colza	648.00	0.16	97.00	0.02	382.00	0.10
Oil cake and meal of Rape/Colza	125.00	0.09			76.00	0.02
Oil cake and meal of Mustard seeds, Exp	10414.00	2.00	6775.00	2.00	6795.00	2.00
Oil cake and meal of Mustard seeds, SE	5041.00	1.00	6544.00	2.00	295.00	0.29
Oil cake and meal of other oilseeds, NES	476.00	0.14	24.00	0.005	0.00	0.00
Oil cake and meal of other oilseeds, NES	853.00	0.24	392.00	0.17	148.00	0.07
Total	4288898.00	6125.00	4462452.00	6744.00	4422937.00	9043.00

Oilseeds and Oilseed Products	2003-2004		2004-2005		2005-2006	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Soybean	0.57	0.003	0.47	0.002	1.77	0.004
Groundnuts	...	...	0.050	0.002	...	...
Copra	1144.14	1.90	1157.00	1.80	1790.00	2.29
Linseed	918.96	1.69	550.85	0.99	973.10	1.57
Rape/Colza Seeds	0.48	0.03	0.00	0.00		0.00
Sunflower Seeds	1.12	0.02	5.02	0.01	0.03	0.0004
Palm Nuts and Kernels	0.04	0.001	0.61	0.17	0.46	0.11
Sesame Seeds	1066.88	4.02	1486.00	5.80	4207.75	11.83
Mustard Seeds	1792.96	3.89	2673.55	6.05	2553.20	5.28
Castor Oil Seeds	917.00	1.53	...	...	...	...

Oilseeds and Oilseed Products	2003-2004		2004-2005		2005-2006	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Safflower Seeds	...	...	2.55	4.51	539.11	1.11
Jajoba Seeds	9.00	0.02	0.00	0.00	0.00	0.00
Other Oilseeds	4803.00	6.51	14184.00	16.92	24950.78	29.47
Flours and Meals of Soybean	54.16	0.32	19.79	0.15	7.10	0.09
Soybean crude oil Degummed	839416.66	2195.09	1005855.89	2705.18	1619593.68	3788.36
Other Soybean oil its fractions	154081.67	437.31	86796.80	249.82	31538.70	111.55
Groundnut Oil Refined and its Fractions	2.30	0.04	3.38	0.07	34.04	0.11
Crude Palm oil and fractions	2848054.13	5739.95	1558431.58	3227.45	1959920.13	3639.38
Refined Palm oil and fractions	1178381.37	2678.47	1944933.45	4463.82	489263.74	924.03
Sunflower seed oil crude	107374.59	288.69	34791.00	98.11	67834.00	176.79
Safflower Seed Oil	2490.00	10.44	2018.00	7.39	0.00	0.00
Sunflower Oil Edible and Non-edible	2092.56	5.78	1519.07	4.36	3045.19	7.88
Cotton Seed Oil Crude	...	...	...	...	...	...
Other Cotton Seed Oil	...	...	0.08	0.01	3.04	0.01
Coconut Crude oil and fractions	37.25	0.10	1285.35	4.16	1106.00	2.82
Coconut refined oil and fractions	13722.71	29.69	11925.14	36.71	2963.47	8.64
Crude Palm kernel oil and fractions	130116.55	263.92	89976.10	245.07	108768.29	290.96
Refined Palm Kernel oil and Fractions	10910.61	23.38	8999.48	24.07	899.06	3.79
Refined Rapeseed Oil of Edible grade	...	...	1.20	0.004	1.20	0.005
Crude Mustard Oil	16.00	0.04	...	...	...	...
Refined Mustard Oil of Edible Grade	8.00	0.02	19.39	0.04	30.50	0.06
Crude Linseed oil and fractions	110.38	0.47	...	...	...	...
Other Linseed oil and fractions	14.59	0.03	506.84	1.92	2012.49	7.69
Castor oil and its fractions	1.40	0.04	1.26	0.02	1.01	0.02
Sesame oil and fractions	36.50	0.72	35.42	0.59	58.30	0.94
Other Fixed Vegetable Fats and Oils and Fractions	4972.23	14.08	5104.71	17.66	5084.57	15.72
Cotton Seed Oil of Edible Grade	0.20	0.01	576.79	1.44	16259.20	38.17
Cotton Seed Oil of Non-Edible Grade	892.42	2.70	3440.66	11.02	25338.87	85.20
Groundnut oil other than edible	30007.64	36.45	16380.79	49.02	70962.17	197.71
Other Hydrogenated castor oil	352.77	1.06	54.09	0.19	67.46	0.29

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Oilseeds and Oilseed Products	2003-2004		2004-2005		2005-2006	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Other Veg. Oils and fats	12579.63	45.24	28379.92	103.40	179033.49	595.20
Linseed Oil Edible and Non-edible	37.57	0.23	72.87	0.40	21.39	0.41
Castor oil dehydrated other than Edible grade	52.70	0.05	1.83	0.03	12.77	0.19
Other vegetable Oils and Fats Edible and Non-edible	1643.79	2.84	3915.02	8.12	2414.43	6.19
Oil cake and Oil meal of Soybean	281.32	0.18	32.80	0.07	385.13	0.58
Cake and meal of Groundnut	367.02	0.14	119.96	0.08	207.30	0.12
Cake and meal of Cottonseeds	0.00	0.00	0.00	0.00	105.95	0.05
Oilcake and meal of Linseed,	921.82	0.34	1019.03	0.67	92.99	0.08
Oilcake and meal of sunflower seed	201.42	0.13	353.25	0.24	224.93	0.14
Oil cake and meal of Rape/Colza	338.95	0.16	181.96	0.11	...	...
Oilcake and meal of Coconut	70587.62	40.70	57908.68	38.01	94349.95	51.45
Oilcake and meal of Palm Nuts and Kernels Seeds Exp	8267.92	2.49	857.00	0.48	1996.00	1.09
Oil cake and meal of Mustard seeds, Exp	6231.89	2.74	6486.46	3.17	10199.03	4.96
Oil cake and meal of other oilseeds, NES EXP.	432.90	0.17	159.21	0.11	414.64	0.17
Oil cake and meal of Mustard seeds, SE	1066.16	0.58	484.10	0.32	396.34	0.24
Oil cake and meal of other oilseeds, NES SE	557.57	0.32	...	...	...	...
Others Residues of Oilseeds SE	1731.72	1.11	303.35	1.13	455.41	0.34
Oil cake and meal of Mowra Exp.	...	...	36.10	0.02	...	...
Oil cake and meal of Other Oilseeds NES Exp Variety	432.90	0.17	159.21	0.11	414.64	0.17
Total	5439533.74	11846.01	4893207.11	11340.97	4730532.80	10013.27

Oilseeds and Oilseed Products	2006-2007		2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Soybean	43.51	0.37	29.06	0.11	38.18	0.21
Groundnuts	...	...	...	...	240.00	0.14
Copra	...	...	...	...	...	...
Linseed	657.08	1.23	818.50	2.23	297.74	0.72
Rape/Colza Seeds		0.00		0.00		0.00
Sunflower Seeds	597.86	0.98	4274.65	7.00	239.16	5.43

Oilseeds and Oilseed Products	2006-2007		2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Palm Nuts and Kernels	200.42	0.21	89.44	0.00		0.00
Sesame Seeds	1208.35	3.82	7088.95	23.97	6492.55	40.96
Mustard Seeds	3204.75	6.74	2515.74	6.45	1449.75	8.06
Castor Oil Seeds	...	...	...	...	...	...
Safflower Seeds	444.00	0.87	...	...	...	...
Jajoba Seeds	...	...	...	...	...	...
Other Oilseeds	53378.83	94.70	44858.95	114.96	33459.47	82.06
Flours and Meals of Soybean	18.21	0.06	7.83	0.02	11.69	0.04
Soybean crude oil Degummed	1198264.25	3032.86	1120218.41	2673.41	698114.50	1866.00
Other Soybean oil its fractions	18085.53	70.82	18674.02	74.84	658.40	5.94
Groundnut Oil Refined and its Fractions	9.05	0.04	1.30	0.03	8.28	0.27
Crude Palm oil and fractions	2541628.85	5112.35	3276662.05	6121.91	4348132.55	9083.40
Refined Palm oil and fractions	224753.32	516.79	238238.26	590.16	1201294.50	2781.19
Sunflower seed oil crude	108866.87	322.44	87086.03	254.06	279361.59	1183.43
Safflower Seed Oil	0.24	0.00	0.09	0.00	2506.31	24.00
Sunflower Oil Edible and Non-edible	32581.54	100.52	153.86	0.89	7348.29	44.96
Cotton Seed Oil Crude	...	...	...	...	...	...
Other Cotton Seed Oil	1.04	0.06	2.51	0.06	1.74	0.43
Coconut Crude oil and fractions	46.00	0.17	...	...	2998.00	13.89
Coconut refined oil and fractions	14050.00	51.69	8119.00	35.26	12231.00	67.53
Crude Palm kernel oil and fractions	126478.00	319.61	147029.79	531.70	148454.09	699.42
Refined Palm Kernel oil and Fractions	972.76	3.56	292.59	1.09	4374.01	13.17
Refined Rapeseed Oil of Edible grade	1.10	0.00	0.60	0.002	...	...
Crude Mustard Oil	...	...	...	...	50.68	0.35
Refined Mustard Oil of Edible Grade	5.53	0.03	...	...	...	...
Crude Linseed oil and fractions	...	...	...	...	...	...
Other Linseed oil and fractions	3271.78	12.96	5216.20	16.79	1010.96	7.05
Castor oil and its fractions	0.93	0.02	1.10	0.03	43.25	0.45
Sesame oil and fractions	56.04	0.89	43.37	0.79	91.03	1.29
Other Fixed Vegetable Fats and Oils and Fractions	3742.61	10.63	6902.26	18.16	6009.44	29.43
Cotton Seed Oil of Edible Grade	189.52	0.75	0.02	0.001	1.79	0.04

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Oilseeds and Oilseed Products	2006-2007		2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Cotton Seed Oil of Non-Edible Grade	4835.38	18.56	63.83	0.31	0.24	0.06
Groundnut oil other than edible	19835.43	57.03	0.10	0.0004	...	...
Other Hydrogenated castor oil	203.99	0.93	2.49	0.11	4.20	0.19
Other Veg. Oils and fats	111573.65	402.04	142482.97	618.83	8226.58	49.00
Linseed Oil Edible and Non-edible	6.05	0.08	3.79	0.08	1.25	0.05
Castor oil dehydrated other than Edible grade	13.06	0.11	0.23	0.01	0.28	0.02
Other vegetable Oils and Fats Edible and Non-edible	1881.23	9.24	423.30	1.40	145.61	4.06
Oil cake and Oil meal of Soybean	1212.86	1.10	83.35	0.47	52.35	0.48
Cake and meal of Groundnut	381.00	0.25	0.00	0.00	149.50	0.10
Cake and meal of Cottonseeds	518.90	0.23	63.99	0.06	0.00	0.00
Oilcake and meal of Linseed,	5.60	0.01	46.00	0.04	65.98	0.07
Oilcake and meal of sunflower seed	33.60	0.02	39.00	0.03	105.00	0.07
Oil cake and meal of Rape/Colza	...	...	...	...	...	...
Oilcake and meal of Coconut	42432.46	25.32	30848.79	20.49	22231.19	21.58
Oilcake and meal of Palm Nuts and Kernels Seeds Exp	0.00	0.00	151.94	0.11	496.00	0.41
Oil cake and meal of Mustard seeds, Exp	11020.07	6.59	37485.59	26.55	87876.07	34.01
Oil cake and meal of other oilseeds, NES EXP.	311.93	0.19	1205.91	0.87	1809.39	1.20
Oil cake and meal of Mustard seeds, SE	803.30	0.47	1750.44	1.46	40.98	0.06
Others Residues of Oilseeds SE	258.74	0.18	365.91	0.21	0.00	0.00
Oil cake and meal of Other Oilseeds NES Exp Variety	311.93	0.19	1205.91	0.87	1809.39	1.20
Total	4528397.15	10187.73	5184548.12	11145.84	6877932.96	16072.42

Oilseeds and Oilseed Products	2009-2010		2010-2011		2011-2012	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Soybean	51.16	0.18	4.58	0.04	121.00	0.49
Groundnuts	485.00	2.09	3454.00	3.52	1236.00	1.93
Copra	--	--	--	--	--	--
Linseed	261.83	0.69	410.85	1.00	64.18	0.17
Rape/Colza Seeds	1.98	0.03	100.20	0.29	--	--

Oilseeds and Oilseed Products	2009-2010		2010-2011		2011-2012	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Sunflower Seeds	276.89	5.23	3.00	0.00	2.50	0.02
Palm Nuts and Kernels	--	--	--	--	--	--
Sesame Seeds	9228.55	53.26	8727.92	37.66	609.28	3.93
Mustard Seeds	344.50	1.82	150.86	0.99	78.13	0.33
Castor Oil Seeds	--	--	--	--	--	--
Safflower Seeds	--	--	--	--	--	--
Jajoba Seeds	--	--	--	--	--	--
Other Oilseeds	56350.87	112.05	42695.92	71.61	40461.64	87.37
Flours and Meals of Soybean	--	--	--	--	15.46	0.08
Soybean crude oil Degummed	1100115.63	4112.55	1132006.88	4899.03	894680.56	5443.92
Other Soybean oil its fractions	763.76	4.80	23.95	0.32	18.03	0.31
Groundnut Oil and its Fractions	99.79	0.11	--	--	93.00	0.07
Crude Palm oil and fractions	4797323.50	14878.71	4123681.75	16942.24	5204183.00	27096.52
Refined Palm oil and fractions	1305017.33	4233.71	866993.04	4004.00	1361563.80	7433.19
Sunflower seed oil crude	515479.78	2088.63	613508.75	3041.55	778710.25	4892.53
Safflower Seed Oil	6000.61	33.37	3866.36	23.44	9363.00	73.39
Sunflower Oil Edible and Non-edible	6035.73	24.51	25.54	0.43	3.32	0.06
Cotton Seed Oil Crude	5069.00	22.30	--	--	--	--
Other Cotton Seed Oil	1.35	0.35	1.20	0.28	1.06	0.29
Coconut Crude oil and fractions	10696.00	39.26	--	--	--	--
Coconut refined oil and fractions	3113.00	13.77	1062.67	5.65	3014.21	27.23
Crude Palm kernel oil and fractions	232245.73	819.80	153600.78	898.61	134897.75	937.50
Refined Palm Kernel oil and Fractions	7369.51	27.80	1048.05	7.57	1124.61	9.38
Refined Rapeseed Oil of Edible grade	2.22	0.03	222.28	1.28	283.87	1.92
Crude Mustard Oil	76.00	0.30	115.00	0.37	0.20	0.001
Refined Mustard Oil of Edible Grade	--	--	--	--	--	--
Crude Linseed oil and fractions	208.00	1.11	44.00	0.20	132.00	0.91
Other Linseed oil and fractions	2152.52	11.97	1405.78	10.22	1881.27	15.25
Castor oil and its fractions	55.81	0.39	6.68	0.16	48.00	0.87
Sesame oil and fractions	64.74	1.40	835.37	4.39	97.58	1.88
Other Fixed Vegetable Fats and Oils and Fractions	8450.12	44.70	11327.47	45.90	18474.71	97.84
Cotton Seed Oil of Edible Grade	0.12	0.006	0.20	0.006	60.41	0.50

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Oilseeds and Oilseed Products	2009-2010		2010-2011		2011-2012	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Cotton Seed Oil of Non-Edible Grade	0.02	0.00	1.62	0.06	--	--
Groundnut oil other than edible	--	--	0.18	0.008	--	--
Other Hydrogenated castor oil	1.33	0.05	5.92	0.75	7.25	0.42
Other Fats and Oils and their fractions	3755.00	19.77	4505.42	30.42	6291.64	53.83
Linseed Oil Edible and Non-edible	2.03	0.02	217.03	0.60	18.41	0.16
Castor oil dehydrated other than Edible grade	0.04	0.008	--	--	0.09	0.002
Other vegetable Oils and Fats Edible and Non-edible	183.59	5.09	544.13	7.81	468.75	6.29
Peanut Butter	945.77	5.61	274.85	3.42	336.50	5.37
Oil cake and Oil meal of Soybean	77.58	0.96	75.50	1.13	33.74	0.43
Cake and meal of Groundnut	99.79	0.11	--	--	129.00	0.11
Cake and meal of Cottonseeds	166.00	0.14	--	--	--	--
Oilcake and meal of Linseed,	42.99	0.05	145.18	0.15	47.21	0.07
Oilcake and meal of sunflower seed	6195.00	4.56	3636.00	2.65	846.00	0.87
Oilcake and meal of Coconut	70590.77	53.97	35508.25	30.70	39666.93	47.45
Oilcake and meal of Palm Nuts and Kernels Seeds Exp	15176.69	5.30	7391.00	2.22	41.00	0.07
Oil cake and meal of Mustard seeds, Exp	32130.61	33.08	22033.93	25.95	36592.72	38.45
Oil cake and meal of other oilseeds, NES EXP.	56.00	0.34	166.12	0.15	171.03	0.12
Oil cake and meal of Mustard seeds, SE	1216.88	5.32	1756.81	8.79	2635.60	8.71
Oil cake and meal of other oilseeds, NES SE	1726.50	0.62	1170.00	0.40	1162.00	0.30
Others Residues of Oilseeds SE	187.74	0.20	7206.68	2.71	4027.00	1.67
Oil cake and meal of Mowra Exp.	--	--	0.04	0.04	--	--
Oil cake and meal of Other Oilseeds NES Exp Variety	56.00	0.34	166.12	0.15	171.03	0.12
Total	7967705.63	26670.464	7050127.86	30118.864	8543864.72	46292.323

Oilseeds and Oilseed Products	2012-2013		2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Soybean	1072.40	365.52	--	--	--	--
Groundnuts	57.30	0.43	--	--	--	--
Copra	--	--	--	--	281.00	2.03
Linseed	22.00	0.09	270.40	1.25	697.48	2.27
Rape/Colza Seeds	75.00	0.09	19.78	0.76	--	--
Sunflower Seeds	1408.56	4.18	1086.82	3.76	1245.00	4.01
Palm Nuts and Kernels	--	--	1.18	1.63	--	--
Sesame Seeds	38050.45	296.03	72928.09	808.64	34767.79	380.00
Mustard Seeds	--	--	176.64	0.98	130.03	0.60
Castor Oil Seeds	--	--	0.86	0.02	--	--
Safflower Seeds	--	--	--	--	33.00	0.16
Jajoba Seeds	--	--	--	--	--	--
Other Oilseeds	41551.76	101.52	52810.20	158.10	43305.79	133.13
Flours and Meals of Soybean	6.18	0.13	127.48	0.71	91.31	0.59
Soybean crude oil Degummed	1123073.00	7611.05	1345133.00	8307.63	2317045.00	12907.75
Other Soybean oil its fractions	21.05	0.56	29.24	0.45	133.91	3.18
Groundnut Oil and its Fractions	3.00	0.004	--	--	--	--
Crude Palm oil and fractions	7004027.00	36162.54	5134890.50	26440.43	6970994.50	33055.16
Refined Palm oil and fractions	1422106.08	7763.61	2549419.31	12914.95	1193527.86	5839.34
Sunflower seed oil crude	1136618.00	7619.93	1075397.63	6881.76	1712439.75	9555.76
Safflower Seed Oil	13373.00	115.95	10231.10	101.48	9799.08	104.87
Sunflower Oil Edible and Non-edible	19.09	0.23	164.71	1.68	251.06	2.13
Cotton Seed Oil Crude	103.00	0.21	--	--	--	--
Other Cotton Seed Oil	5.66	0.95	3.10	0.72	5.02	1.33
Coconut Crude oil and fractions	--	--	--	--	6205.34	49.43
Coconut refined oil and fractions	1001.88	6.40	1645.57	8.73	3467.91	30.76
Crude Palm kernel oil and fractions	219398.63	1187.38	260074.69	1436.33	191837.72	1311.56
Refined Palm Kernel oil and Fractions	2654.00	11.38	1647.00	9.24	231.00	1.88

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Oilseeds and Oilseed Products	2012-2013		2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Refined Rapeseed Oil of Edible grade	126.19	1.06	116.67	1.05	3686.19	23.93
Crude Mustard Oil	87.00	0.57	142.00	0.80	465.83	2.46
Refined Mustard Oil of Edible Grade	0.80	0.02	--	--	--	--
Crude Linseed oil and fractions	--	--	0.06	0.03	--	--
Other Linseed oil and fractions	3163.68	24.78	2349.04	20.83	1064.48	8.75
Castor oil and its fractions	21.41	0.50	35.12	0.92	48.83	1.61
Sesame oil and fractions	116.60	2.92	5247.68	48.60	2978.86	27.90
Other Fixed Vegetable Fats and Oils and Fractions	18728.15	110.56	5016.73	35.90	2213.09	22.41
Cotton Seed Oil of Edible Grade	0.32	0.01	0.70	0.02	16.07	0.96
Cotton Seed Oil of Non-Edible Grade	2.43	0.08	0.19	0.01	0.18	0.05
Groundnut oil other than edible	--	--	--	--	0.03	0.02
Other Hydrogenated castor oil	115.87	1.66	31.20	1.00	1.75	0.15
Other Fats and Oils and their fractions	11363.59	94.54	7098.23	45.09	4559.41	32.77
Linseed Oil Edible and Non-edible	16.45	0.60	0.90	0.02	198.63	1.18
Castor oil dehydrated other than Edible grade	5.51	0.07	2.60	0.13	1.78	0.05
Other vegetable Oils and Fats Edible and Non-edible	4190.83	36.88	5970.03	37.49	7564.65	43.99
Oil cake and Oil meal of Soybean	78.27	1.13	274.80	2.27	24.98	4.49
Cake and meal of Groundnut	3.00	0.004	193.16	0.60	--	--
Cake and meal of Cottonseeds	11.52	0.013	349.52	0.48	1.00	0.01
Oilcake and meal of Linseed,	668.00	0.64	1104.69	1.31	2637.88	4.67
Oilcake and meal of sunflower seed	70968.71	101.64	66429.42	104.95	40880.52	70.21
Oilcake and meal of Coconut	37926.54	49.04	25797.78	37.25	88322.24	136.26

Oilseeds and Oilseed Products	2012-2013		2013-2014		2014-2015	
	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)	Quantity (1000 kg)	Values in (₹ Crore)
Oilcake and meal of Palm Nuts and Kernels Seeds Exp	571.00	2.05	697.86	2.17	162.00	0.87
Oil cake and meal of Mustard seeds, Exp	29098.81	39.25	23598.78	33.05	22395.75	36.14
Oil cake and meal of other oilseeds, NES EXP.	47.97	0.06	17.00	0.02	327.96	0.40
Oil cake and meal of Mustard seeds, SE	4351.50	13.96	3947.00	14.27	1629.12	13.12
Oil cake and meal of other oilseeds, NES SE	1821.00	0.66	503.00	0.40	--	--
Others Residues of Oilseeds SE	2228.00	1.49	4018.38	3.11	7701.11	4.78
Oil cake and meal of Mowra Exp.	--	--	--	--	--	--
Oil cake and meal of Other Oilseeds NES Exp Variety	47.97	0.06	17.00	0.02	327.96	0.36
Total	11190408.16	61732.431	10659016.84	57471.04	12673699.85	63823.48

Note: Source for the tables from 24.3 to 24.14 is DGCI&S, GOI, Kolkata

24.4 India's Country-wise Imports of Sunflower Seeds

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	...	...	0.21	0.06
China P RP	1.00	0.77	0.03	0.30
France	...	...	150.19	412.28
Germany			15	25.30
Italy	0.5	0.38	0.15	0.11
Russia	...	...	60	101.20
Spain			0.19	0.16
Tanzania REP	0.43	2.06	12.00	1.78
U Arab Emts	0.05	0.07
Ukraine	4,272.00	694.71
U S A	0.72	1.65	1.34	1.93
Total	4274.65	699.58	239.16	543.18

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Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	0.92	7.16	--	--
Germany	0.1	0.35	--	--
Russia	274.99	514.34	--	--
South Africa	--	--	3.00	0.01
Thailand	0.01	0.02	--	--
U S A	0.87	1.24	--	--
Total	276.89	523.11	3.00	0.01

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Germany	--	--	0.50	0.58
Tanzania rep	--	--	1,399.06	415.99
U Arab Emts	2.50	1.58	--	--
U S A	--	--	9.00	1.28
Total	2.50	1.58	1408.56	417.85

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	--	--	7.00	5.73
Germany	0.80	4.72		
Malawi	155.00	51.58	104.00	37.28
Moldova	--	--	745	225.44
Tanzania Rep	931.00	319.13	--	--
U K	0.02	0.08	--	--
Ukraine	--	--	389.00	132.76
Total	1086.82	375.51	1245.00	401.21

24.5 India's Country-wise Imports of Sunflower Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	64368.00	19043.29	123437.00	56166.44
Brazil	...	...	1969.00	1218.52
Germany	2.73	2.69	...	...
Indonesia	800	228.76	...	...
Malaysia	...	...	16.39	12.57
Qatar	15.25	5.93	...	...
Russia	...	...	28,265.00	11,392.36
Singapore	135.91	80.09	...	...
U Arab Emts	...	...	25.02	16.76
U K	...	...	2.93	1.99
U S A	...	...	11.43	16.43
Ukraine	21918.00	6133.53	132940.59	54004.50
Total	87239.89	25494.29	286667.36	122829.57

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	9833.20	3644.94	26000.00	11373.07
Belgium	0.58	1.28	1.34	2.06
France	--	--	10.45	19.06
Germany	22	18.89	0.41	6.76
Indonesia	--	--	4127.00	2669.65
Netherland	10000.44	4138.07	0.68	0.86
Russia	44237.00	18024.70	8079.00	3502.15
Singapore	6.6	5.67	0.09	0.14
Slovak Rep	2.09	3.93	--	--
U Arab Emts	0.25	0.08	2.3	1.42
U K	0.52	0.64	9.81	11.76
U S A	2500.45	925.47	11751.22	5902.41
Ukraine	454905.16	184514.55	550128.75	272209.77
Unspecified	--	--	13423.25	8498.50
Total	521508.04	211278.14	613533.62	304196.75

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Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	18787.00	12016.31	30709.00	20202.47
Austria	0.19	0.43	--	--
Belgium	1.12	2.72	--	--

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	9800.00	5856.88	--	--
Egypt A RP	4540.00	2376.01	--	--
France	3300.00	1761.60	--	--
Germany	1.86	2.41	0.19	0.49
Korea RP	1020.00	660.96	--	--
Malaysia	0.15	0.09	--	--
Myanmar	2000.00	1159.62	--	--
Paraguay	1623.00	1029.88	--	--
Russia	5913.00	3550.48	11118.00	7169.23
Singapore	--	--	16.85	19.21
Spain	--	--	178	157.84
U S A	0.40	0.26	--	--
Ukraine	731726.88	460841.21	1094613.00	734463.54
Total	778713.60	489258.86	1136635.04	762012.78

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	3896.00	2661.86	396.00	424.58
Austria	2.66	6.73	--	--
Belgium	--	--	0.02	0.15
Bulgaria	--	--	3004.00	1718.22
Germany	4.75	10.66	2.47	6.64
Greece	3.79	7.35	--	--
Poland	0.57	1.51	0.9	2.03
Russia	--	--	248	188.92
Singapore	--	--	387.9	523.34
Spain	109	105.73	71.63	64.20
U S A	0.13	0.44	1.01	2.32
Ukraine	41.52	30.00	26.88	17.00
Ukraine	1071501.63	685514.34	1708413.88	952735.78
Total	1075560.05	688338.62	1712552.69	955683.18

24.6 India's Country-wise Imports of Sesame Seed

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	18.30	8.09	...	...
China P RP	19.00	6.69	...	...
Djibouti	...	...	38.00	24.84
Ethiopia	...	...	646.08	422.94
Guinea	...	...	18.00	9.60
Italy	0.50	0.21	...	...
Japan	0.02	0.04	0.04	0.13
Korea DP RP	...	...	0.03	0.48
Mozambique	...	...	36.40	22.73
Nigeria	...	...	1896.00	1146.69
Pakistan ir	36.00	29.27	494.00	253.52
Russia	152.00	76.88	113.00	69.67
Somalia	6813.00	2247.11	2942.00	1930.63
Tanzania REP	...	...	76.00	45.32
Turkey	...	...	95.00	119.26
Uganda	...	...	38.00	22.72
U Arab Emts	...	...	100.00	27.89
Unspecified	50.13	28.90	...	...
Total	7088.95	2397.20	6492.55	4096.43

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Burkina FASO	286.00	172.12	--	--
Ethiopia	1634.00	1055.11	114.00	65.13
Nigeria	348.07	217.43	133.00	75.42
Pakistan IR	2537.15	1556.00	38.00	23.87
Somalia	2423.97	1230.31	7791.45	3258.39
Sudan	--	--	171.23	108.63
Tanzania rep	1323.76	723.55	--	--
Togo	57.00	30.12	--	--
U Arab Emts	442.60	219.40	442.00	191.47
U S A	--	--	38.24	43.15
Unspecified	176.00	122.17	--	--
Total	9228.55	5326.21	8727.92	3766.06

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Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Djibouti	--	--	608.00	518.04
Egypt A RP	--	--	19.00	14.81
Ethiopia	190.00	126.38	2452.00	2089.61
Greece	38.00	30	48.00	50.14
Italy	--	--	19.00	14.26
Japan	0.05	0.15	0.06	0.06
Mozambique	--	--	200	88.27
Netherland	1.30	2.54	--	--
Nigeria	--	--	7486.05	5887.71
Pakistan IR	129.93	68.55	2957.60	2229.26
Saudi Arab	19.00	37.06	--	--
Somalia	43.00	27.12	7983.06	5,408.28
Sudan	--	--	12708.50	10536.56
Togo	--	--	1684.15	1411.67
U Arab Emts	131.00	59.21	1866.00	1340.45
U K	--	--	0.03	0.02
Unspecified	57.00	41.7	19.00	14.27
Total	609.28	392.71	38050.45	29603.41

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Burkina FASO	54.00	59.30	29.00	30.59
Chad	417.99	406.92	--	--
China P RP	0.43	0.47	--	--
Djibouti	57.00	66.98	--	--
Egypt A RP	216.00	221.77	--	--
Ethiopia	1140.00	1551.27	475.00	669.22
Germany	13.52	25.26		
Ghana	135.00	141.45	18.00	22.61
Greece	--	--	19.00	33.18
Israel	18.00	34.77	--	--
Italy	--	--	37.00	63.06
Kenya	33.00	39.03	24.00	30.03
Korea RP	--	--	618.00	961.02
Madagascar	11.00	6.93	--	--
Mozambique	91.00	69.45	282.00	313.61
Netherland	--	--	0.16	0.24
Nigeria	11876.02	13521.88	1774.31	2265.99

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Pakistan IR	14783.76	19218.54	1516.61	1522.50
Singapore	315	314.09	37.00	66.08
Somalia	25745.53	26446.08	20146.42	21622.17
Sri Lanka DSR	3.00	3.92	--	--
Sudan	16444.58	17119.56	8815.46	9238.91
Taiwan	--	--	12.82	29.31
Tanzania rep	65.00	54.66	797.00	914.16
Togo	660.56	689.3	147.00	193.24
U Arab Emts	791.71	813.65	--	--
Uganda	56.00	58.31	--	--
Unspecified	--	--	19.00	23.52
Total	72928.1	80863.59	34767.78	37999.44

24.7 India's Country-wise Imports of Mustard Seeds

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Canada	2513.00	643.82	1440.00	795.53
Germany	1.5	0.67	9.75	10.7
U Arab Emts	1.2	0.47	...	...
U K	0.04	0.02	...	...
Total	2515.74	644.98	1449.75	806.23

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Canada	333.00	173.68	150.86	98.65
Germany	9.5	7.67	--	--
Unspecified	2.00	0.74	--	--
Total	344.50	182.09	150.86	98.65

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Canada	78.00	32.73	--	--
Netherland	0.13	0.15	--	--
Total	78.13	32.88	--	--

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Canada	169.04	84.93	109.15	49.79
Germany	7.60	12.83	1.88	1.55
Unspecified	--	--	19.00	8.63
Total	176.64	97.76	130.03	59.97

24.8 India's Country-wise Imports of Soybean Crude Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Afghanistan Tis	...	...	250.00	72.94
Argentina	860723.94	205452.18	493905.50	133777.15
Brazil	244230.00	58212.16	172378.00	44744.49
China P RP	...	...	28590.00	7166.35
Indonesia	1000.00	238.09	...	...
Malaysia	...	...	2749.00	768.74
U Arab Emts	14264.47	3438.66	...	...
Unspecified	...	...	242.00	70.57
Total	1120218.41	267341.09	698114.50	186600.24

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	651426.69	247387.80	916433.75	392422.28
Brazil	176122.69	67502.27	109900.00	51607.28
China P RP	--	--	1887.00	723.04
Indonesia	--	--	3712.00	1939.14
New Zealand	--	--	250.00	106.38
Pakistan IR	--	--	1225.00	741.99
Panama republic	--	--	250.00	108.92
Paraguay	5210.00	2152.61	5000.00	2026.06
Saudi Arab	7728.00	3402.65	15559.00	6916.80
U Arab Emts	4817.25	1628.92	--	--
U S A	254811.02	89180.39	77399.12	33077.47
Unspecified	--	--	391.00	233.28
Total	1100115.65	411254.64	1132006.87	489902.64

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	740238.38	449517.75	777632.00	530230.83
Brazil	112362.00	69047.92	218684.00	148941.16
China P RP	500	294.91	--	--
Germany	--	--	12842.00	9317.10
Ghana	210.00	126.68	--	--
Indonesia	1535.00	949.04	--	--
Malaysia	250.00	144.94	--	--
Paraguay	5988.00	3724.74	4000.00	2730.52
Saudi Arab	15023.00	9288.96	5000.00	3046.03
Thailand	15381.00	9401.75	9967.00	6134.17
U Arab Emts	--	--	6942.00	4557.56
U S A	0.15	0.09	74083.00	47332.76
Unspecified	--	--	13923.00	8815.12
Vietnam SOC REP	3193.00	1895.19	--	--
Total	894680.53	544391.97	1123073	761105.25

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	1078775.00	664728.55	1723201.63	957637.54
Brazil	225743.02	139436.16	440105.00	248690.60
China P RP	23.00	18.94	--	--
Indonesia	6000.00	3290.87	--	--
Nepal	--	--	145.80	78.21
Paraguay	2500.00	1605.35	91697.00	51143.59
Saudi Arab	3000.00	1906.38	5000.00	2764.34
Spain	--	--	35220.00	18972.23
Taiwan	--	--	1.65	1.51
U S A	24100.00	16619.57	--	--
Ukraine	--	--	17699.00	9471.78
Vietnam SOC REP	4992.00	3156.92	3975.00	2014.91
Total	1345133.02	830762.74	2317045.08	1290774.71

24.9 India's Country-wise Imports of Soybean Oil and its Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	2313.04	704.28	...	...
Brazil	66.01	29.26	110.00	80.45
Germany	...	...	2.19	6.49
Philippines	0.13	0.05	...	...
U S A	16,294.84	6750.63	546.21	506.97
Total	18674.02	7484.23	658.40	593.91

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	--	--	16.00	13.66
Germany	--	--	4.20	12.91
Japan	--	--	3.45	4.98
Nepal	9.00	5.19	--	--
U Arab Emts	--	--	0.30	0.16
U K	0.04	0.06	--	--
U S A	754.73	474.96	--	--
Total	763.77	480.21	23.95	31.71

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	0.04	0.10	--	--
Germany	2.90	11.93	11.15	31.34
Japan	3.99	7.53	0.37	0.45
Korea RP	0.10	0.29	--	--
U S A	11.00	10.84	9.53	24.30
Total	18.03	30.69	21.05	56.09

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
France	--	--	0.53	2.37
Germany	10.25	23.65	76.44	240.28
Netherland	--	--	1.19	4.24
Taiwan	16.00	14.86	36.30	29.54
U Arab Emts	--	--	0.04	0.13
U S A	2.99	6.55	19.40	41.78
Total	29.24	45.06	133.90	318.34

24.10 India's Country-wise Imports of Crude Palm Oil and its Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	500.00	117.60	...	...
Cambodia	1055.19	190.72	5139.00	986.40
Germany	1000.00	178.13	...	...
Indonesia	2900979.50	538581.54	3585776.25	743032.12
Malaysia	311797.28	60711.63	668761.88	146476.00
Singapore	8738.00	2025.80	2829.00	1205.97
Sri Lanka DSR	8560.02	1676.46	5353.42	1070.14
Thailand	41478.06	8241.75	78295.00	15124.69
Unspecified	2554.00	467.31	1978.00	444.40
Total	3276662.05	612190.93	4348132.55	908339.73

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	1250.00	397.27	8647.00	3858.59
Australia	5000.00	1100.74	--	--
Bangladesh PR	2000.00	984.45	--	--
Belgium	1000.00	528.30	--	--
Bulgaria	--	--	2000.00	814.26
Cambodia	5452.00	1774.15	6186.00	2512.40
China P RP	--	--	1282.00	597.11
Ecuador	--	--	250.00	102.47
Germany	--	--	2000.00	1206.41
Indonesia	4099477.75	1268904.55	3471204.50	1435463.80

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Kuwait	--	--	250.00	105.77
Malaysia	655576.00	204839.61	555077.88	225874.32
New Zealand	--	--	500.00	249.29
Saudi Arab	--	--	245.00	102.97
Singapore	--	--	3250.00	1398.11
South Africa	--	--	5963.05	1228.19
St Lucia	996.58	227.86	--	--

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Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Tanzania rep	--	--	245.00	97.97
Thailand	29321.00	10553.80	24594.00	9726.49
Turkey	--	--	1500.00	618.79
U Arab Emts	--	--	300.00	145.17
U S A	--	--	250.00	144.79
Unspecified	250.00	73.27	41937.13	10791.12
Total	4800323.33	1489384	4125681.56	1695038.02

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Cambodia	4072.00	1819.28	400.00	317.39
China P RP	18602.00	9791.93	--	--
Indonesia	4079828.50	2128125.18	4552059.00	2315501.58
Korea RP	1250.00	662.4	250.00	108.79
Malaysia	1053177.75	545057.35	2423396.50	1287561.59
Panama republic	750.00	393.38	--	--
Sweden	6500.00	3480.68	...	...
Thailand	36965.00	18803.42	19921.54	8945.82
U Arab Emts	38.00	6.14	--	--
U S A	--	--	6000.00	3004.06
Total	5201183.25	2708139.76	7002027.04	3615439.23

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Indonesia	3286945.00	1687831.97	3892736.50	1839721.69
Malaysia	1629119.88	846999.00	2959874.50	1404071.39
Philippines	26142.00	13450.48	30063.00	14600.34
Thailand	192683.77	95761.60	88320.68	47122.97
Total	5134890.65	2644043.05	6970994.68	3305516.39

24.11 India's Country-wise Imports of Refined Palm Oil and its Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Bangladesh PR	2153.49	521.30	587.57	119.19
Bhutan	36973.07	15868.47	1934.94	929.68
Brazil	0.20	0.04	...	...
France	8.33	1.65	...	...
Indonesia	163166.79	34981.17	874057.54	201635.95
Italy	...	...	0.10	0.06
Korea rp	...	...	1.34	0.67
Malaysia	35923.82	7639.72	323433.01	75164.19
Singapore	...	...	1,229.00	254.73
U Arab Emnts	8.00	1.69	51.00	14.55
U S A	3.02	1.18	...	...
Unspecified	1.54	0.86	...	...
Total	238238.26	59016.09	1201294.50	278119.02

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	--	--	1,000.00	444.75
Indonesia	829051.69	271251.46	583974.19	269232.13
Korea RP	2.53	1.39	--	--
Malaysia	466927.06	149360.93	276018.72	127017.80
Myanmar	121.63	47.18	--	--
Nigeria	--	--	0.10	0.12
Singapore	4168.11	1524.82	--	--
Sri Lanka DSR	150	60.30	--	--
U K	0.23	0.22	--	--
U S A	--	--	6000.00	3705.19
Unspecified	4596.00	1125.10	--	--
Total	1305017.25	423371.40	866993.01	400399.99

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Country	2001-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	1497.00	818.07	--	--
Germany	2001.20	1068.65	1.20	6.18
Indonesia	892559.06	491157.00	1179910.63	638829.14
Ireland	125.00	68.07	--	--
Israel	2982.00	1611.17	--	--
Korea RP	1000.00	562.49	--	--
Malaysia	455480.59	244780.22	238431.38	135788.29
Nigeria	0.23	0.58	0.10	0.16
Poland	250	135.69	--	--
Portugal	250	135.69	--	--
Singapore	1019.90	577.24	3750.00	1720.28
Switzerland	--	--	0.75	0.79
Thailand	3097.00	1680.47	--	--
U Arab Emts	540.00	299.80	--	--
U K	511.84	278.93	11.97	15.47
U S A	--	--	0.05	0.28
Total	1361313.82	743174.07	1422106.08	776360.59

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	--	--	11997.00	5665.67
Belgium	--	--	3.24	4.42
France	--	--	4.68	6.05
Indonesia	1910878.00	964920.79	897384.63	437739.27
Iran	--	--	12630.00	6184.58
Korea RP	0.05	0.05	--	--
Malaysia	638526.99	326554.42	271508.38	134334.06
Nigeria	0.40	0.24	--	--
U K	13.68	19.52	--	--
Total	2549419.12	1291495.02	1193527.93	583934.05

24.12 India's Country-wise Imports of Safflower Seed Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Australia	...	...	21.00	20.61
Japan	0.09	0.11	...	...
Mexico	...	...	925.00	918.47
Netherland	...	...	1552.00	1454.25
U S A	...	...	8.31	6.30
Total	0.09	0.11	2506.31	2399.64

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	5850.00	3166.20	1708.00	1012.61
Australia	147.00	166.74	149.00	111.5
U S A	3.61	3.62	2009.36	1220.18
Total	6000.61	3336.56	3866.36	2344.29

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	9363.00	7338.56	10300.00	8578.37
Australia	--	--	111.00	125.71
Kazakhstan	--	--	956.00	981.28
Mexico	--	--	44.00	48.41
U S A	--	--	1962.00	1861.67
Total	9363.00	7338.56	13373.00	11595.44

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Argentina	9007.00	8745.95	3000.00	2830.54
Australia	22.00	24.01	170.00	192.66
Kazakhstan	1200.00	1373.39	--	--
Mexico	--	--	5518.00	6218.83
U S A	2.10	4.48	1111.07	1244.88
Total	10231.10	10147.83	9799.07	10486.91

24.13 India's Country-wise Imports of Crude Palm Kernel Oil

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Indonesia	137204.89	49645.49	121871.09	57239.69
Italy	0.49	0.12	...	...
Malaysia	9549.00	3405.89	23497.00	10831.47
Singapore	...	...	999.00	623.59
Sri Lanka DSR	275.41	118.45	81.00	36.31
Thailand	...	...	2006.00	1211.26
Total	147029.79	53169.95	148454.09	69942.32

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	--	--	1000.00	463.30
Indonesia	199969.16	70159.00	150482.78	88435.39
Malaysia	32276.57	11820.46	2118.00	962.54
Total	232245.73	81979.46	153600.78	89861.23

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
China P RP	1000.00	850.29	--	--
Indonesia	126901.80	88662.34	193144.80	104087.99
Malaysia	6987.93	4234.19	24252.82	13211.35
Thailand	--	--	2001.00	1438.63
U S A	8.00	2.92	--	--
Total	134897.73	93749.74	219398.62	118737.97

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Ghana	--	--	80.00	59.43
Indonesia	225480.83	123263.26	128853.71	88689.81
Malaysia	30581.85	18382.87	60898.00	40781.53
Thailand	4012.00	1986.60	2006.00	1625.67
Total	260074.68	143632.73	191837.71	131156.44

24.14 India's Country-wise Imports of Refined Palm Kernel Oil and its Fractions

Country	2007-2008		2008-2009	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
France	0.11	0.20	...	...
Indonesia	...	...	2000.65	591.66
Malaysia	289.78	107.96	2289.72	694.72
Singapore	...	...	83.64	30.20
U Arab Emts	2.70	1.12	...	...
Total	292.59	109.28	4374.01	1316.58

Country	2009-10		2010-11	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Indonesia	2005.16	757.15	44.00	25.88
Malaysia	5364.35	2021.81	1004.04	729.78
Total	7369.51	2778.96	1048.04	755.66

Country	2011-12		2012-13	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Malaysia	1124.61	937.72	2654.00	1138.29
Total	1124.61	937.72	2654.00	1138.29

Country	2013-14		2014-15	
	Quantity (1000 kg)	Values in (₹ Lakhs)	Quantity (1000 kg)	Values in (₹ Lakhs)
Indonesia	322.00	242.20	231.00	187.61
Malaysia	1325.00	681.89	--	--
Total	1647.00	924.09	231.00	187.61

Note: Source for the tables from 24.3 to 24.14 is DGCI&S, GOI, Kolkata

24.15 Trade Policy Changes in Edible oils

April, 1994	Import of RBD Palmolein placed on OGL with 65% import duty.
March, 1995	Import of all edible oils (except coconut oil, palm kernel oil, RBD palm oil, RBD palm stearin) placed on OGL with 30% import duty.
1996-97 (in regular Budget)	Further reduction in import duty to 20% +2%(special duty of customs) bringing total import duty to 22%. Another special duty of custom @ 3% was later imposed bringing the total import duty to 25%.
July, 1998	Import duty further reduced to 15%.
1999-2000	Import duty raised to 15% (basic) + 10%(surcharge)=16.5%.
December, 1999	Import duty on refined oils raised to 25% (basic) + 10% (surcharge) = 27.5%. In addition, 4% SAD levied on refined oils.
June, 2000	Import duty on crude oils raised to 25% (basic) + 10% (surcharge)=27.5% and on refined oils raised to 35%(basic)+10%(surcharge)+4%(SAD)=44.04%. Import duty on Crude Palm Oil (CPO) for manufacture of vanaspati retained at 15% (basic) + 10%(surcharge)=16.5%.
November, 2000	Import duty on CPO for manufacture of vanaspati raised to 25% and on crude vegetable oils raised to 35%. Import duty on CPO for other than vanaspati manufacture raised to 55%. Import duty on refined vegetable oils raised to 45%(basic)+4%(SAD)=50.8%. Import duty on refined palm oil and RBD palmolein raised to 65%(basic)+4%(SAD)=71.6%.
March, 2001 (As amended on 26.4.2001)	Import duty on crude oils for manufacture of vanaspati/refined oils by the importers registered with Directorate of VVO&F raised to 75% (for others import duty levied at 85%) except soyabean oil, rapeseed oil and CPO at 45%, 75% and 75% respectively. The duty on refined oils including RBD Palmolein raised to 85% (basic) except in the cases of Soyabean Oil and Mustard oil where the duty is placed at 45%(basic) and 75%(basic) respectively due to WTO binding. In addition, 4% SAD levied on refined oils.
October, 2001	Import duty on Crude Palm Oil and its fractions, of edible grade, in loose or bulk form reduced from 75% to 65%.
November, 2001	Import duty on crude sunflower oil or safflower oil reduced to 50% upto an aggregate of 1,50,000 MTs (Tariff Rate Quota) of total imports of such goods in a financial year subject to certain condition. Import duty on refined rape, colza or mustard oil reduced to 45% upto an aggregate of 1,50,000 MTs (Tariff Rate Quota) of total imports of such goods in a financial year subject to certain condition.
March, 2002	Statusquo on import duty structure of vegetable oils/edible oils maintained. Import of vanaspati from Nepal be levied SAD @ 4%.
August, 2002	SAD is not applicable on vanaspati imported from Nepal under TRQ.
March, 2003	Statusquo on import duty structure of vegetable oils/edible oils maintained.
April, 2003	Import duty on Refined Palm Oil and RBD Palmolein reduced from 85% to 70% and SAD not applicable on edible oils.
July, 2004	Import duty on Refined Palm Oil and RBD Palmolein raised from 70% to 75%
February, 2005	Import duty on Crude Palm Oil and Crude Palmolein raised from 65% to 80% Import duty on Refined Palm Oil and RBD Palmolein raised from 75% to 90%
2006-2007 (Budget)	With effect from 1.3.2006, edible oils attract a special additional duty of Customs @ 4% and Import Duty on Vanaspati and similar products raised from 30% to 80%.
August, 2006	With effect from 8.8.2006, special additional duty of customs not applicable on vanaspati imported from Nepal w.e.f. 11.8.2006, import duty on Crude Palm oil/Crude Palmolein reduced from 80% to 70% and import duty on refined Palm Oil/RBD Palmolein reduced from 90% to 80%.
January, 2007	W.e.f.24.1.2007, import duty on Crude Palm Oil /Crude Palmolein reduced from 70%to 60%, import duty on refined Palm Oil/RBD Palmolein reduced from 80%to 67.5%, import duty on Crude Sunflower oil reduced from 75%to 65% and import duty on refined Sunflower oil reduced from 85%to75%.

2007-08 (Budget)	With effect from 1.3.2007, import duty on Crude Sunflower Oil has been reduced from 65% to 50% and import duty on refined Sunflower Oil and other Oils has been reduced from 75% to 60%. Further edible oils (except Soybean oil, rapeseed oil and mustard oil) will attract education cess of 3% of the aggregate of customs duty. With effect from 1.3.2007, all edible oils will not attract Special Additional Duty of customs @ 4%.
April, 2007	With effect from 13-04-2007 import duty on Crude Palm Oil /Crude Palmolein has been reduced from 60% to 50 % and import duty on refined Palm Oil /RBD Palmolein has been reduced from 67.5% to 57.5%
July, 2007	With effect from 23.7.2007 import duty on Crude Palm Oil and Refined Palm Oil/Palmolien reduced to 45% and 52.5% respectively and Import Duty on Crude and refined sunflower oil reduced to 40% and 50.0% respectively. Import Duty on Crude/Refined Soybean Oil reduced to 40%.
March, 2008	With effect from 21.3.2008 import duty on Crude Palm Oil/Palmolien and Refined Palm Oil/Palmolien has been reduced from 45% to 20% and 52.5% to 27.5% respectively and import duty on Crude and Refined Sunflower Oil has been reduced from 40% to 20% and 50% to 27.5% respectively and import duty on Crude & Refined Mustard/Rapeseed Oil has been reduced from 75% to 20% and 75% to 27.5% respectively.
April, 2008	With effect from 1st April, 2008, the customs duty on crude and refined forms of Palm Oil, Palmolein, Palm Kernel Oil, Soyabean Oil, Rapeseed/Mustard Oil, Sunflower Oil, Safflower Oil, Groundnut Oil, Coconut Oil and some other Vegetable Oils has been reduced to zero percent and 7.5% respectively, vide Notification no.42/2008-Customs.
November, 2008	w.e.f 18.11.2008 the custom duty on degummed Soybean oil has been increased to 20% vide notification No. 122/2008-Customs. w.e.f 20.11.2008 the export of edible oils is permitted in branded consumer packs of up to 5kgs, subject to a limit of 10,000 tons during the next one year up to 31st Oct, 2009 vide notification no. 60(RE-2008)/2004- 09.w.e.f 20.11.2008 the export of fish oil is permitted vide notification no. 39(RE- 2008)2004-09.
March, 2009	w.e.f 24.03.2009 custom duty on crude Soybean oil has been reduced to zero percent vide Notification No. 27/2009-customs. Ban on export of edible oils (except coconut oil and oils of minor forest origin through Kochi port) extended up to 16.03.2010 vide Notification No. 98 (RE-2008)/2004-09 dt. 17-4-2009.
August, 2009	w.e.f. 31.8.2009 Min.of Finance vide Notification No: 30/2009, dated: 31.8.2009 exempted service tax for transportation of edible oils through National Waterways.
September, 2009	w.e.f. 04.09.2009 Min. of Commerce & Industry, vide Notification No: 04/2009-14, dated: 4th September, 2009 prohibited export of edible oil in branded consumer packs of upto 5 kgs.
February, 2010	w.e.f. 27.02.2010 Min. of Finance vide Notification No: 08/2010-Service Tax, dated: 27th February, 2010 exempted from service tax on transport by rain on edible oils
November, 2010	w.e.f. 01.11.2010 Min. of Commerce & Industry, Department of Commerce vide Notification No: 09(RE-2010)/2009-2014, dated: 1st November, 2010 permitted for export of 10,000 tons of edible oil in branded consumer packs from 01.11.2010 to 31.10.2011
March, 2011	w.e.f. 01.03.2011 Ministry of Finance vide Notification No: 27/ 2011-CUSTOMS, dated; 1.3.2011 imposed 10% Custom duty on export of Deoiled Rice Bran
August, 2012	w.e.f. 01.08.2012 Ministry of Commerce & Industry, Department of Commerce vide Notification No: 9 (RE-2012)/2009-2014, dated: 1st August, 2012 ban on export of edible oil in branded consumer packs.
January, 2013	w.e.f. 23.01.2013 Ministry of Finance, Department of Revenue (Central Board of Excise and Customs) vide Notification No: 02/2013-CUSTOM, dated: 23rd January, 2013 imposed 2.5% import duty on Crude Edible Vegetable Oils.
March, 2013	w.e.f. 01.03.2013 Ministry of Finance vide Notification No: 9-2013-CUSTOMS, dated; 1.3.2013, withdraw the exemption from Education Cess and Secondary & Higher Education Cess on import of soybean oil, rapeseed oil, olive oil as duty has reduced to below WTO bound rate.

Name of Oil	15.2.2005	28.2.2005	11.8.2006	13.1.2007	23.7.2007	20.3.2008
Cude palm oil & crude olein	80%+2% cess =81.6%	80% +4%SAD+2% cess=88.8%	70%+4% SAD+2% cess=78.2%	50% +3% Ed Cess Effective 51.5%	45% +3% Ed Cess Effective 46.35%	20% +3% Ed Cess Effective 20.6%
Vanaspati (Hydrogenated fat)				80%+3% Ed Cess + SAD 4% Effective 89.6%	80%+3% Ed Cess + SAD 4% Effective 89.6%	80%+3% Ed Cess + SAD 4% Effective 89.6%
Crude Sunflower Oil				50% +3% Ed Cess Effective 51.5%	40% +3% Ed Cess Effective 41.2%	20% +3% Ed Cess Effective 20.6%
Other crude edible oil for vanaspati & refiners	90% +2% cess= 91.8%	90% +4%SAD+ 2% cess= 99.4%	90% +4%SAD+ 2% cess= 99.4%	90% + 3% Ed Cess Effective 92.7%	90% + 3% Ed Cess Effective 92.7%	...
Refined Palm oil & RBD Palmolein	90% +2% cess= 91.8%	90% +4%SAD+ 2% cess= 99.4%	80% +4%SAD+ 2% cess= 88.8%	57.5% + 3% Ed Cess Effective 59.23%	52.5% + 3% Ed Cess Effective 54.08%	27.5% + 3% Ed Cess Effective 28.3%
Refined rapeseed oil	75%+ 2% cess= 76.5%	75%+4% SAD+ 2% cess= 83.5%	75%+4%SAD+ 2% cess= =83.5%	75%	75%	27.5% + 3% Ed Cess Effective 28.33%
Refined sunflower oil & other oils	85%+ 2% cess= 86.7%	85%+4% SAD+ 2% cess= 94.1%	85%+4% SAD+ 2% cess= = 94.1%	60% + 3% Ed Cess Effective 61.8%	50% + 3% Ed Cess Effective 51.5%	27.5% + 3% Ed Cess Effective 28.33%
Refined soybean oil	45%	45% + 4%SAD 50.8%	45% + 4%SAD 50.8%	45%	45%	45%
Degummed soybean Oil	45%	45% + 4%SAD 50.8%	45% + 4%SAD 50.8%	45%	40%	40%

Name of Oil	1.4.2008	18.11.2008	18.3.2009
Cude palm oil & crude olein	Nil	Nil	Nil
Vanaspati (Hydrogenated fat)	7.5%+3% Ed Cess + SAD 4% Effective 12.03%	7.5%+3% Ed Cess + SAD 4% Effective 12.03%	7.5%+3% Ed Cess + SAD 4% Effective 12.03%
Crude Sunflower Oil	Nil	Nil	Nil
Refined Palm oil & RBD Palmolein	7.5% + 3% Ed Cess Effective 7.73%	7.5% + 3% Ed Cess Effective 7.73%	7.5% + 3% Ed Cess Effective 7.73%
Refined rapeseed oil	7.5% + 3% Ed Cess Effective 7.73%	7.5% + 3% Ed Cess Effective 7.73%	7.5% + 3% Ed Cess Effective 7.73%
Refined sunflower oil & other oils	7.5% + 3% Ed Cess Effective 7.73%	7.5% + 3% Ed Cess Effective 7.73%	7.5% + 3% Ed Cess Effective 7.73%
Refined soybean oil	7.5%	7.5%	7.5%
Degummed soybean Oil	Nil	20%	...

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Name of Oil	1.3.2011	16.03.2011	17.1.2013	23.01.2013	24.12.2014	19.09.2015
Cude palm oil & crude olein	Nil	Nil	2.5%+3% Edu.Cess =2.58%	2.5%+3% Edu.Cess =2.58%	7.5%	12.5%
Vanaspati (Hydrogenated fat)	7.5%+3% Edu.Cess + 4% SAD=12.03%	7.5%+3% Edu.Cess + 4% SAD=12.03%	2.5%+3% Edu.Cess + 4% SAD=12.03%	2.5%+3% Edu.Cess + 4% SAD=12.03%		
Crude Sunflower Oil	Nil	Nil	2.5%+3% Edu. Cess =2.58%	2.5%+3% Edu. Cess =2.58%	7.5%	12.5%
Crude Rapeseed Oil	Nil	Nil	2.5%+3% Edu. Cess =2.58%	2.5%+3% Edu. Cess =2.58%		
Refined Palm oil & RBD Palmolein	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	15%	20%
Refined rapeseed oil	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%		
Refined sunflower oil & other oils	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	15%	20%
Refined soybean oil	7.5%	7.5%	7.5%+3% Edu. Cess =7.73%	7.5%+3% Edu. Cess =7.73%	15%	20%
Degummed soybean Oil	Nil	Nil	2.5%+3% Edu. Cess =2.58%	2.5%+3% Edu. Cess =2.58%		

Source; SEA Handbook 2014

Note : 1. Indian Government has issued Notification dt. 16th November 2001 thereby lowering import duty for fixed quantity of 1,50,000 tons. 50% for Crude Sunflower & Safflower Seed Oil and 45% for Refined Rapeseed Oil.

2. Indian Government has issued Notification No. 63(RE-2003) 2002-07, dt. 12th May 2004 thereby fixing TRQ off 1,50,000 tonness of crude sunflower and safflower oil at 50% import duty and 150000 tonnes of Rapeseed oil at 45% import duty

3. 2% Education Cess imposed on Custom Duty with effect from 9.7.2004 except on Soybean Oil.

3. Education Cess has been increased to 3% from 13.1.2007

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Oils	w.e.f. 14.12.12	w.e.f. 31.12.12	w.e.f. 15.1.13	w.e.f. 23.1.13	w.e.f. 31.1.13	w.e.f. 15.2.13	w.e.f. 1.3.13	w.e.f. 15.3.13	w.e.f. 28.3.13	w.e.f. 15.4.13	w.e.f. 15.5.13	w.e.f. 31.5.13	w.e.f. 14.6.13
Crude Palm Oil	447	447	447	802	815	848	849	838	829	827	831	843	852
R&D Palm Oil	476	476	476	853	860	896	894	870	855	857	836	854	859
Other Palm Oil	462	462	462	828	838	875	872	854	842	842	834	849	856
Crude Palmolein	481	481	481	860	867	909	911	871	860	864	840	860	866
R&D Palmolein	872	835	863	863	870	912	914	874	863	867	843	863	869
Other Palmolein	483	483	483	862	869	911	913	873	862	866	842	862	868
Crude Soybean Oil	580	580	580	1190	1219	1229	1202	1147	1093	1054	1075	1075	1043

Oils	w.e.f. 27.6.13	w.e.f. 31.7.13	w.e.f. 14.8.13	w.e.f. 30.8.13	w.e.f. 13.9.13	w.e.f. 30.9.13	w.e.f. 15.10.13	w.e.f. 30.10.13	w.e.f. 14.11.13	w.e.f. 29.11.13	w.e.f. 13.12.13	w.e.f. 31.12.13	w.e.f. 15.1.14
Crude Palm Oil	852	820	808	833	827	809	811	849	914	914	912	892	877
R&D Palm Oil	859	855	851	875	868	862	862	893	950	841	947	922	897
Other Palm Oil	856	838	830	854	848	836	837	871	932	928	930	907	887
Crude Palmolein	866	868	854	879	880	883	866	897	957	949	954	925	899
R&D Palmolein	869	871	857	882	883	886	869	900	960	952	957	928	902
Other Palmolein	868	870	856	881	882	885	868	899	959	951	956	927	901
Crude Soybean Oil	1043	952	928	951	963	966	952	1006	1023	1025	995	958	944

Oils	w.e.f. 31.1.14	w.e.f. 15.2.14	w.e.f. 28.2.14	w.e.f. 14.3.14	w.e.f. 31.3.14	w.e.f. 15.4.14	w.e.f. 30.4.14	w.e.f. 15.5.14	w.e.f. 30.5.14	w.e.f. 13.6.14	w.e.f. 30.6.14	w.e.f. 15.7.14	w.e.f. 31.7.14
Crude Palm Oil	857	866	914	966	964	935	920	905	897	860	854	862	836
R&D Palm Oil	880	897	957	1023	1002	964	943	938	945	895	888	903	874
Other Palm Oil	869	882	936	995	983	950	932	922	921	878	871	883	855
Crude Palmolein	896	895	964	1030	1012	979	961	946	953	903	896	911	884
R&D Palmolein	899	898	967	1033	1015	982	964	949	956	906	899	914	881
Other Palmolein	898	897	906	1032	1014	981	963	948	955	905	898	913	883
Crude Soybean Oil	917	916	972	1002	985	961	980	946	962	938	960	963	927

Oils	w.e.f. 14.8.14	w.e.f. 29.8.14	w.e.f. 15.9.14	w.e.f. 30.9.14	w.e.f. 15.10.14	w.e.f. 31.10.14	w.e.f. 14.11.14	w.e.f. 28.11.14	w.e.f. 15.12.14	w.e.f. 31.12.14	w.e.f. 15.1.15	w.e.f. 30.1.15	w.e.f. 13.2.15
Crude Palm Oil	811	743	722	725	725	704	734	710	699	669	705	681	669
R&D Palm Oil	842	752	728	750	750	737	761	740	723	696	729	707	710
Other Palm Oil	827	748	725	738	738	721	748	725	711	683	717	694	690
Crude Palmolein	851	771	731	762	755	743	764	747	731	700	739	724	719
R&D Palmolein	854	774	734	765	758	746	767	750	734	703	742	727	722
Other Palmolein	853	773	733	764	757	745	766	749	733	702	741	726	721
Crude Soybean Oil	935	890	843	838	852	837	847	836	849	843	894	864	792

Oils	w.e.f. 27.2.15	w.e.f. 13.3.15	w.e.f. 31.3.15	w.e.f. 15.4.15	w.e.f. 30.4.15	w.e.f. 15.5.15	w.e.f. 29.5.15	w.e.f. 15.6.15	w.e.f. 30.6.15	w.e.f. 15.7.15	w.e.f. 31.7.15	w.e.f. 14.8.15	w.e.f. 31.8.15
Crude Palm Oil	684	686	656	658	650	650	657	680	662	650	635	593	532
R&D Palm Oil	706	703	665	682	659	670	676	690	682	674	656	624	571
Other Palm Oil	695	695	661	670	655	660	667	685	672	662	646	609	552
Crude Palmolein	715	707	667	684	662	676	682	701	683	680	667	626	593
R&D Palmolein	718	710	670	687	665	679	685	704	686	683	670	629	596
Other Palmolein	717	709	669	686	664	678	684	703	685	682	669	628	595
Crude Soybean Oil	803	800	734	726	752	758	789	800	763	742	716	700	704

Oils	w.e.f. 15.9.15	w.e.f. 30.9.15	w.e.f. 15.10.15	w.e.f. 30.10.15	w.e.f. 13.11.15	w.e.f.	w.e.f.	w.e.f.	w.e.f.	w.e.f.	w.e.f.	w.e.f.	w.e.f.
Crude Palm Oil	508	531	573	575	557								
R&D Palm Oil	554	573	612	617	603								
Other Palm Oil	531	552	593	596	580								
Crude Palmolein	566	586	625	631	616								
R&D Palmolein	569	589	628	634	619								
Other Palmolein	564	588	627	633	618								
Crude Soybean Oil	696	684	705	754	741								

Note: Custom duty on import of edible oil is collected @tariff value declared by the Government of India on time to time basis

Source: SEA Data Bank

25. CONSUMPTION AND VALUE OF OUTPUT OF OILSEEDS AND OILS

25.1 Private Final Consumption Expenditure On Oilseeds and Oils (1970-71 to 2011-12) (At 1999-2000 Prices)

(₹ crore)

Year	Oilseeds and Oils	Total Food Items	Private final consumption expenditure in domestic market
1970-71	5934 (5.4)	58497 (53.7)	108932 (100)
1971-72	7070 (5.6)	67204 (53.5)	125585 (100)
1972-73	6695 (5.0)	69257 (51.3)	135108 (100)
1973-74	8915 (5.6)	85358 (53.5)	159600 (100)
1974-75	10012 (5.7)	93290 (53.2)	175372 (100)
1975-76	8319 (4.3)	99133 (51.6)	192094 (100)
1976-77	11017 (5.2)	109204 (51.3)	213206 (100)
1977-78	15884 (6.6)	121362 (51.0)	238133 (100)
1978-79	12060 (4.4)	136067 (50.0)	273882 (100)
1979-80	12954 (4.2)	153795 (50.0)	310028 (100)
1980-81	15854 (4.5)	173778 (49.0)	354312 (100)
1981-82	19832 (4.9)	203898 (50.0)	408424 (100)
1982-83	19584 (4.3)	225178 (49.1)	458503 (100)
1983-84	19173 (5.3)	195410 (54.1)	361141 (100)
1984-85	20295 (5.7)	200849 (54.0)	371551 (100)
1985-86	17829 (4.6)	208178 (53.8)	387057 (100)
1986-87	19996 (5.0)	208234 (52.1)	399272 (100)
1987-88	23973 (5.8)	213613 (51.7)	412957 (100)
1988-89	20396 (4.6)	226228 (51.6)	438732 (100)
1989-90	21093 (4.6)	236254 (51.3)	460504 (100)
1990-91	15369 (5.0)	147305 (48.4)	304183 (100)
1991-92	18032 (5.1)	175767 (49.9)	352494 (100)
1992-93	19492 (4.9)	196882 (49.4)	398407 (100)
1993-94	21237 (4.0)	266181 (50.4)	528445 (100)
1994-95	21265 (3.5)	297320 (49.1)	604987 (100)
1995-96	24611 (3.5)	340043 (49.0)	694331 (100)
1996-97	29906 (3.6)	422134 (51.0)	827033 (100)
1997-98	24077 (2.7)	426901 (47.5)	898436 (100)
1998-99	38571 (3.7)	513948 (49.3)	1042802 (100)
1999-00	28850 (2.5)	534450 (45.9)	1163742 (100)
2000-01	23456 (1.9)	536721 (43.1)	1244100 (100)
2001-02	25532 (1.9)	595259 (43.6)	1366313 (100)

Year	Oilseeds and Oils	Total Food Items	Private final consumption expenditure in domestic market
2002-03	27546 (2.0)	528360 (37.5)	14095951 (100)
2003-04	41336 (2.6)	584368 (37.1)	1576257 (100)
2004-05	46259 (2.8)	611949 (35.4)	1730316 (100)
2005-06	34306 (4.8)	714236 (33.1)	2159537 (100)
2006-07	33593 (4.3)	788719 (31.7)	2488688 (100)
2007-08	41570 (4.7)	894525 (31.4)	2850394 (100)
2008-09	45257 (4.6)	990511 (30.4)	3257945 (100)
2009-10	44177 (4.0)	1139376 (30.6)	3721454 (100)
2010-11	64028 (4.4)	1472086 (29.0)	5081769 (100)
2011-12	55764 (4.2)	1317591 (30.1)	4373962 (100)

Note: Figures in parantheses represent percentages to the total Private Final Consumption Expenditure.

Source: National Accounts Statistics, Government of India, Various years.

Ministry of Statistics and Programme Implementation; <http://data.gov.in> <https://data.gov.in>

25.2 Domestic Production, Import and Availability of Oilseeds / Edible Oils in India

Year	Domestic Production ('000 tonne)		Import of Edible Oils ('000 tonne)	Total Availability of Edible oils *('000 tonne)	Import as percentage of total availability
	Edible Oilseeds	Edible Oil			
1971-72	9080.00	2543.00	86.00	2629.00	3.27
1975-76	10610.00	2922.00	67.00	2989.00	2.24
1980-81	9370.00	2560.00	1633.00	4193.30	38.95
1985-86	10830.00	2964.00	1036.00	4000.40	25.91
1990-91	18610.00	4877.00	525.80	5402.80	9.73
1995-96	22110.00	5668.00	1062.00	6730.00	15.78
2000-01	18440.00	4499.00	4267.90	8766.90	48.68
2005-06	27980.00	6906.00	4288.10	11194.10	38.31
2006-07	24290.00	5900.00	4269.40	10169.40	41.98
2007-08	29760.00	6964.00	4903.00	11867.00	41.32
2008-09	28160.00	6778.00	6714.00	13492.00	49.76
2009-10	24880.00	6170.00	8034.00	14204.00	56.56
2010-11	32479.00	8120.00	6677.60	14797.60	45.17
2011-12	29799.00	7450.00	8445.00	15895.00	53.13
2012-13	30939.70	7735.00	11013.70	18748.70	58.74
2013-14	32414.30	8104.00	10453.20	18557.20	56.33

* Edible Oil plus Vanaspati

Source: Economic Survey (Various Issues), GOI, New Delhi

25.3 Value of Output from Oilseeds (At 1999-2000 prices) in India

₹ Crore

Commodity	1999-00	2000-01	2001-02	2002-03	2003-04
Oilseeds	28625	26637	29550	22612	34841
Linseed	342	290	306	260	307
Sesame	925	1023	1412	877	1648
Groundnut	6660	8164	9080	5322	10686
Rapeseed & Mustard	6926	5138	6132	4590	7617
Castor	1225	1186	1180	821	1142
Coconut	5148	5143	5042	5231	5257
Nigerseed	218	169	186	135	167
Safflower	284	221	241	195	147
Sunflower	857	804	871	1108	1225
Soybean	5951	4443	5012	3897	6542
Others	90	57	87	177	102

25.4 Value of Output from Oilseeds (At 2004-05 prices) in India

₹ Crore

Commodity	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Oilseeds	46053	52787	49571	54495	49165	48074	60233
Linseed	306	296	306	281	286	333	282
Sesame	1845	1810	1923	2132	1705	1634	2490
Groundnut	11165	13403	11241	15496	10860	9058	14263
Rapeseed & Mustard	12047	13357	11969	9361	11722	11222	13259
Castor	1317	1575	1449	1703	1858	1614	2215
Coconut	7177	7532	7770	7418	7646	8233	8808
Nigerseed	200	196	192	204	190	158	162
Safflower	265	342	356	336	255	249	221
Sunflower	1894	2189	1878	2399	1815	1353	1032
Soybean	9587	11956	12332	15052	12696	14000	17149
Others	81	86	103	99	84	165	287

25.5 Value of Output from Oilseeds (At Current prices) in India

₹ Crore

Commodity	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Oilseeds	46053	50748	51568	69358	65580	70208	100190
Linseed	306	299	332	369	410	517	447
Sesame	1845	1718	1855	2623	2621	2732	3941
Groundnut	11165	13211	13241	21370	15457	14063	24907
Rapeseed & Mustard	12047	13184	13074	13626	16247	15653	19839
Castor	1317	1383	1674	2512	2662	2760	6126
Coconut	7177	6883	6539	6360	7519	10831	15988
Nigerseed	200	188	198	281	269	241	295
Safflower	265	308	347	478	376	362	312
Sunflower	1894	2263	2195	3415	2584	1618	1419
Soybean	9587	11177	11931	18148	17218	21018	25908
Others	81	93	125	152	130	325	913

Source: National Accounts Statistics, CSO, Min. of Statistics & Programme Implementation, GOI Reports 2007 & 2013

25.6 Average Value of Consumption (Rs.) of Edible Oils Per Person for a Period of 30 Days (All India)

NSS Rounds	Edible oils		Food Total	
	Rural	Urban	Rural	Urban
49th Round (Jan.- June 1993)	11.5	17.5	159.2	220.5
50th Round (July1993-June 1994)	12.5	20.1	177.8	250.3
51st Round (July 1994- June 1995)	14.24	22.93	188.9	271.49
52nd Round (July 1995-June 1996)	15.76	24.81	207.78	299.98
53rd Round (Jan 1997- Dec.1997)	15.98	23.6	231.99	320.26
54th Round (January - June 1998)	16.54	25.52	232.4	339.71
55th Round 1999-2000 (July 1999 – June 2000)	18.16	26.81	288.8	410.86
NSS 56th Round (July 2000 – June 2001)	16.92	24.9	278.57	400.57
NSS 57th Round (July 2001 – June 2002)	18.32	26.84	276.35	402.31
NSS 58th Round (July – December 2002)	21.23	31.32	292.27	429.79
NSS 59th Round (January–December 2003)	24.61	34.99	299.86	429.01
NSS 60th Round (January–June 2004)	25.97 (Sch. Type 1)	37.53 (Sch. Type 1)	304.6 (Sch. Type 1)	441.48 (Sch. Type 1)
	31.1 (Sch. Type 2)	43.12 (Sch. Type 2)	357.35 (Sch. Type 2)	528.73 (Sch. Type 2)
NSS 61st Round (July 2004-June 2005)	25.72	36.37	307.6	447.41
NSS 62nd Round (July 2005-June 2006)	25.46	35.02	333.15	467.82
NSS 63rd Round (July 2006-June 2007)	27.22	37.52	363.42	517.25
NSS 64th Round (July 2007-June 2008)	33.29	46.43	404.33	582.43
NSS 66th Round (July 2009-June 2010)	38.92	52.85		
NSS 68th Round (July 2011-June 2012)	53.00	70.00	756.00	1121.00

Source: Various NSS Reports

25.7 Demand Projections of Vegetable Oils in India

Consumption Details	2020	2030	2040	2050
Projected Population (Billion)	1.32	1.43	1.55	1.68
Per capita consumption (kg/annum)	16.43	17.52	18.62	19.16
Vegetable oil requirement for direct consumption lmt)	21.69	23.13	24.58	25.29
Vegetable oil requirement for non-industrial use (mt)	3.57	6.34	9.69	10.61
Total vegetable oil requirement (mt)	25.26	29.47	34.27	35.90
Vegetable oil availability form secondary sources (mt)	5.05	5.89	6.85	7.18
Total vegetable oil requirement from annual oilseed crops (mt)	20.21	23.58	27.42	28.72
Total vegetable oilseeds requirement from nine annual oilseed crops (mt)	67.37	71.45	80.65	82.06

Source: Dr. R.S. Paroda . Status Paper of ISOR, IIOR, Hyderabad

Vegetable oil requirement for industrial use is estimated to grow by 15% in 2020, 20% in 2030 and 25% in 2040. Per capita consumption considering 50,60,70 and 75 per cent above the prescribed consumption level during 2020, 2030, 2040 and 2050 respectively.

26. Varieties and Hybrids

26.1 Varieties and Hybrids in Groundnut

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
AK-12-24	Selection from local	1971	361(E) 30-6-1973; 786(E) 2-2-1976	100-105	1250	Erect variety, 70-71% Shelling	49	Vidarbha region of Maharashtra, Orissa, M.P. and Rajasthan
AK-159	JL 24 x CGC 4018	2002	937(E) 4-9-2002	100-105	2000-2200	High yielding spanish bunch with medium maturity, Toler. to Tikka	48	Maharashtra
AK-265		2007		115-120	1903	Drought tolerant. Resistant foliar and fungal diseases		Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu
AK-303	(ICGV 88384 x JL 24) x (ICGV 88438 x ICG 5240)	2009		120-125	2100		47-49	Maharashtra
ALG-06-320	ICGV 86590 (X14- 4-B-19-8 x PI 239747)	2011	S.O. 211(E) 29/01/2010		3500	125 to 130		
ALR 3 (ALG 63)	[Robut33-I x ICG(FDRS)68] x (NCAC17090 x ALR1)	1999	821(E) 13-9-2000	110-115	1939	Multiple foliar disease resistant for rained <i>kharif</i>	50	Tamil Nadu
ALR-1 (VB)	Pol2 x PPG4	1987	915(E) 6-11-1989	115-120	1840	Multiple foliar disease resistant for rained <i>kharif</i>	49	Pollachi tract of Coimbatore
ALR-2 (ACG-56)	Selection from ICGV86011	1997	360(E) 1-5-1997	105-110	1740	Multiple foliar disease resistant		Tamil Nadu
Abhaya (TPT 25)	K134 x TAG 24	2006		105-110	2300 (K) 3756 (R)	Tolerance to LLS and Drought	52	Andhra pradesh
ANDG 50		2006				Tolerant to thrips	53	Jharkhand, Orissa, West Bengal NEH States
B-95 (Koyana)	M13 x Shulamith	1993		115-125	3345	Large seeded HPS type	48	Southern Maharashtra

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
BAU-13	BAU6 x M13	1993		125-135	2191(K)	Large seeded HPS type	48	Bihar, Jharkhand, Uttar Pradesh, Rajasthan, Gujarat, Maharashtra, Tamil Nadu
BG-1	X-Ray mutant of 41-C	1979	499(E) 8-7-1983		2000	Semi-spreading	48	Bihar and Jharkhand
BG-3 (VB)	Early Runner x Asiniya Mwitunde	1986	386(E) 15-5-1990	115-120	2200-2500	Bold pods with sound mature kernels (93-95%)	49	Bihar and Jharkhand
Bheema		2010			3500-5000			
Bhuvana (DH-2000-1)		2004				Suitable for rainfed conditions		West Bengal, Orissa, Jharkhand and Assam
Birsa Bold-1 (BAU 13)	(Asiniya Mwitunde x BG1) x M13	1993	636(E) 2-9-1994		2500-3000		50	Bihar
Birsa Gtroundnut (BG-2)	X-ray mutant of 41-c	1983	499(E) 8-7-1983	115-120	2200	Resistant to Tikka	49	Bihar
BSR-1 (ICGV-86143)	ICGV44 x (Robot33-I x NCAC2821)	1997	360(E) 1-5-1997	105-110	2845	Fresh seed dormancy for 2-3 weeks in Spanish group		Tamil Nadu
C-364					2700 (R)			Northern Region
C-501	D3 x Ah2177	1961		123	1750	Moderately resistant to Tikka. Suitable for sandy loam soils	48	Punjab
Chandra (AH-114)	Early Runner x Asiniya Mwitunde	1977	1319-12-1978	130-135	2500	Spreading variety	48	Uttar Pradesh
Chitra (MA-10)	SpanishSB-1 x EC1688	1985	540 (E) 24-7-1985	115-120	2000	Resistant to ELS and rust	49	Uttar Pradesh, Haryana, Punjab, Bihar, Rajasthan
Co- (Gn) 5	(CO2 x ICGS 86010) x {(CO2 x (VG 119 x ICGS 50))}	2002	1177(E) 25-8-2005	125	1585	Tolerant to rust and bud necrosis, leaf miner and Spodoptera	53-54	Tamil Nadu
Co- (Gn)4 (TNAU 269)	TMV 10 x ICGS 82	2001	1134(E) 15-11-2001	105-110	1500	High yielding spanish bunch with medium maturity	52	Tamil Nadu

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
Co-1	AH6279 x TMV3	1979	19(E) 14-1-1982	105-110	1300(R) 2200(I)	Bunch variety	50	Tamil Nadu
Co-2	EMS induced mutant from POL 1	1983	258(E) 14-5-1986	105-110	1650 (R) 2700(I)	Bunch variety	40	Tamil Nadu
Co-3 (TNAU-56)	VRI-3 (VG55) x JG-24	1998	821(E) 13-9-2000	105-110	1750-2150	Bold kernel and tolerant to PBND. Suitable for <i>kharif</i> and <i>Rabi</i> summer	49	Tamil Nadu
CO-6		2012			1914	<i>Kharif</i> , Resistant to LLS & Rust	50-51	Tamil Nadu
CSMG 884 (Prakash)	Kaushal x Chandra	1998	425(E) 8-6-1999	115-125	2281	High yielding Virginia varieties with medium maturity, Tolerant to drought	49	Uttar Pradesh, Maharashtra, Rajasthan
CSMG-84-1 (Amber)	Selection from MA10	1992	615(E) 17-8-1993	125-135	2704 (K)	High yielding Virginia varieties with medium maturity, Tolerant to drought	50	Rajasthan, UP, Haryana and Punjab
CSMG-9510 (Utkarsh)		2004						Uttar Pradesh, Rajasthan, Haryana and Punjab
DG-40		1994		90-100	2000-2500	Early maturing red seeded suitable for residual moisture situation	45	Karnataka, Goa
DG-52- 1(SMRUTI)	Pollachil x RS60	1996	1(E) 1-1-1996	105-110	1980	Suitable for paddy fallow residual moisture situation	48	Orissa
Dh. 3-30	Spanish Improved x US4	1975	19(E) 14-1-1982	125	2800	Bunch variety	47	Northern Karnataka
Dh-40		1994		105-110	2000-2500	Fresh seed dormancy for 2-3 weeks in Spanish group; Suitable for paddy fallow residual moisture situation	49	Maharashtra, Tamil Nadu, Kamataka, Orissa, Gujarat
Dh-8	Selection from RS144	1987		115	3200	Moderately resistant to tikka, LLS and rust	46	Karnataka

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
Dh-86 (Prutha)	Dh 40 x Dh 8	2005	122(E) 2-2-2005	125-127	3081	Tolerant to thrips and jassids	48	Gujarat, Southern Rajasthan, Bihar, Orissa, Western plains, NEH Region
Divya (CSMG- 2003-19)	AMBER x ICG-1697	2011	S.O. 2326(E)	120 to 128	3000	Resistant to leaf spots and tolerant to BND		Rajasthan and Uttara Pradesh
DRG-12 (Manikya)	Robut33-I-MP-I x TAPS	1994	408(E) 4-5-1995	115-120	2604	Suitable for Rabi summer Tolerant to rust, late leaf spot and PBND	47	AP, TN, Karnataka and Maharashtra
DRG-17 (Mukta)	Robut33-I x TAPS	1994	408(E) 4-5-1995	120-125	2100 (K)	Tolerant to LLS, PBND and moisture stress	49	Rajasthan, Haryana, Punjab and UP
DSG-1	Selection from Mardur local	1995	647(E) 9-9-1997	130-135	1500-2000	Drought tolerant	49	Karnataka
DSR-1		1997			1500			Tamil Nadu
Faizpur-1-5		1976	786(E) 2-2-1976	100-110	2000-2500	Bunch variety	52	Uttar Pradesh
Gangapuri				110	2000	Moderately resistant to foliar diseases	49.5	All India
GAUG-1	AK10 x AK12-24	1973	499(E) 8-7-1983	95-100	1500	Bunch variety	50	Gujarat
GAUG-10	G224-3 x GO343	1973	499(E) 8-7-1983	110-120	1800	Spreading variety	50	Gujarat
GG-11(VR)	M13 x GAUG10	1987	10(E) 1-1-1988	110-114	1400-1900	Suitable for pre-monsoon sowing	49	Gujarat
GG-12	Shulamith x GAUG10	1991	814(E) 4-11-1992	110-115	1467	Early maturity and high yield	50	Gujarat
GG-14	GG 11 x R-33-190- 215-1-B-2-B-B	2003	283(E) 12-3-2003	120-125	2159	Tolerant spodoptera and leaf miner	52	Gujarat

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
GG-15 (JSP-35)		2004	786 2-2-1976	116	1737	Susceptible for all diseases	47	Tamil Nadu, Andhra Pradesh, Karnataka, Kerala and South Maharashtra
GG-16 (JSP-39)	JSP-14 x JSSP-4 S-94-15-B-10-1-B-B	2006	1572(E) 20-9-2006	115-121	2000	Moderately resistant to rust	46	Tamil Nadu, Andhra Pradesh, Karnataka, Kerala and South Maharashtra
GG-2	J 11 x EC 16659	1983	295(E) 9-4-1985	105-110	3100	Early flowering	49.6	Gujarat
GG-2 (J-127-5-1)	J11 x EC16659	1985	295(E) 9-4-1985		3100	Bunch variety	49	Sourashtra Region of Gujarat
GG-20	GAUG10 x Robut33-I	1992	814(E) 4-11-1992	120-125	2040	Large seeded HPS type	51	Gujarat
GG-3 [J9(E)]	GAUG1 x JL24	1991	408(E) 4-5-1995	100-105	1283	Early maturity and remain dark green till harvest	51	Madhya Pradesh, Maharashtra
GG-5	277-5-1 x JL-24	1996	425(E) 8-6-1999	100	1270	Early maturity and high shelling %	49	Gujarat
GG-6	CGC 3 x FESR-5-P6- B1-B1-1-1-1B-B	1999	283(E) 12-3-2003	115-120	2782	High shelling % and high oil	50	Gujarat
GG-7 (J 38)	S 206 x FESR 8	2001	1134(E) 15-11-2001	96-105	2149	High yielding Spanish bunch with medium maturity	49	Gujarat, Southern Rajasthan
GG-8(J-53)	27-5-1 x JL-24	2006	1572(E) 20-9-2006	104-107	1700	Moderately resistant to rust, BND, collar rot and moderately susceptible to tikka, rust and stem rot	46	Northern Maharashtra and Madhya Pradesh
Girnar -1 (CGC-4018) (SB)	x 14-4-B-19-B x NCAci7090	1988	471(E) 5-5-1985	95-105	2000(R)	Tolerant to Alternaria, rust, leaf spots and resistant to drought	48	Peninsular
Girnar-2 (PBS-24030)	M 13 x R 33-1	2007		120-130	2907 (Pod)	Tolerant to rust, leaf spot PSND and sucking pests		Rajasthan, Punjab, Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
Girnar 3 (PBS 12160)	Girnar 1 x ICGS 11	2010	S.O. 733(E) 01/04/2010	104-111	1520	Tolerant to leaf miner and thrips; recommended for Kharif season	45	Manipur , Orissa and West Bengal
GJG- HPS-1 (JSP- HPS-44)	JSP- 21 X VG-5	2008	S.O. 2137(E) 31/08/2010	110 to 120	2120	Rose colour seed	48.5	
GJG-9 (J69)	GG 5 X ICGV 90116 & K-98-33-B-20-1-B-B	2010	S.O. 1708(E)26/07/2012	103	3483	Suitable for Summer, tolerant to stem rot	49	Gujarat
GJG-17 (JSP-48)		2013			1798	Suitable for Kharif, spreading groundnut area. Tolerant to stem rot	48	Gujarat
GJG-22 (JSSP 36)		2013			1770	Suited to Kharif, semi spreading groundnut area. Tolerant to collar rot	52	Gujarat
GJG-31 (J-71)	CG-2 X PBS-21065 & K-98-34-B-3-1-B-B	2012	S.O. 1708(E) 26/07/2012	117	1632	Tolerant to stem rot, Free from PBND, Suitable for Summer	49	Gujarat
GPBD 4 (Vikas)	KRG-1 x ICGV 86855	2004	642(E) 31-5-2004	105-110	1900-2000	Resistant to rust and tolerant to LLS		Karnataka, AP, Tamil Nadu, Kerala
GPBD-5	TG 49 X GPBD 4	2010	S.O. 2137(E) 31/08/2010	105 to 110	1500	Resistant to LLS and rust	46	Jharkand Manipur
Greeshma	TIR-46(Female) x JuG-37 (Male)	2009		95-100	1500-1900	Tolerant to Drought, LLS	48-50	Andhra Pradesh
HNG 10	GG11 x Robut33-I	1998	425(E) 8-6-1999	125-130	1918	High yielding Virginia varieties with medium maturity	51	Uttar Pradesh, Rajasthan, Parts of Madhya Pradesh
HNG-69	CSMG-84-1 x PG-1	2009	S.O. 211(E) 29/01/2010	131	2800	Tolerant to Collar rot, stem rot and Early Leaf Spot, thrips	50	Rajasthan and Punjab

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
HNG-123	CHANDRA X RSB- 87		S.O.456(E) 16/03/2012		3000	Virginia bunch variety, Tolerant collar rot, stem rot, LLS, Spodoptera	49	Rajasthan, UP & Punjab
ICG (FDRS) 4 (ICGV-87157)	Argentine x PI259747	1989		110	1577 (R)	A high-yielding breeding line resistant to rust and tolerant of late leaf spot	48	Peninsular India
ICG (FDRS)10 (ICGV-87160) (SB)	Ah65 x NCAC17090	1990	386(E) 15-5-1990	105-115	2200 (K)	Resistant to foliar diseases, rust and tolerant to late leaf spot and bud necrosis	48	Andhra Pradesh, Karnataka, Tamil Nadu and Parts of Maharashtra
ICGS 1 (ICGV 87119)	Selection from Robut 33-1	1990		115-120	2321	Suitable for spring season	51	Haryana, Punjab, UP, and Rajasthan
ICGV- 00350	ICGV 87290 xICGV 87846	2012	S.O.456(E) 16/03/2012	114	3000-4400	Tolerant to LLS, rust, stem rot, High fodder value	48	Tamil Nadu & Andhra Pradesh
ICGS 11	Selection from Robut 33-1	1986	867(E) 26-11-1986	120	1600	Tolerant to end of season drought and BND	49	All India
ICGS 37 (SB)	Selection from Robut33-1	1990	639(E) 17-8-1990	115-120	3000-4000	Tolerant to drought	48	Gujarat, Northern Maharashtra, Madhya Pradesh under irrigated rabi summer
ICGS 44 (ICGV-87128)	Selection from Robut 33-1	1988		110-115	2000-2500	Field tolerance to PBND	49	Gujarat, Northern Maharashtra and MP
ICGS 44 (ICGV-87128)	Selection from Robut33-1	1988	471(E) 5-5-1985	110-115	2000-2500	Tolerant to early/leaf spot and PBND under rabi summer; Suitable for paddy fallow residual moisture situation	49	Gujarat, Northern Maharashtra and Madhya Pradesh for Summer cultivation
ICGS 76 (ICGV87141) (VB)	TMV10 x Chico	1989	915(E) 6-11-1989	115-125	2500-3500	Tolerant to drought	43	Tamil Nadu, Karnataka, Kerala, Southern Maharashtra and Andhra Pradesh except North Coastal districts

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
ICGS-1 (ICGV-87119)	Selection from Robut33-I	1990	386(E) 15-5-1990	115-120	2300 (R)	For spring situation in Potato/Toria fallow	51	Haryana, Punjab, UP, Jharkhand and Rajasthan
ICGS-11	Selection from Robut33-I	1986	258(E) 26-11-1986	110-115	2000	Tolerant to PBND under <i>rabi</i> summer	49	Andhra Pradesh, Karnataka, Parts of Madhya Pradesh, and Maharashtra
ICGS-5 (ICGV-87121) (SB)	Robut33-I x NCAC316	1992	615(E) 17-8-1993	110-120	2385		51	Uttar Pradesh
ICGV 86325 (VB)	ICGS20 x G201	1995	408(E) 4-5-1995	115-125	2700	Tolerant to rust, LLS and PBND	45	Southern Maharashtra, AP, TN, Karnataka and Kerala
ICGV 91114	(ICGV 86055 x AICGV 86533) F2-P8-B1- B1-B1_B1	2006		90-95	2000	Moderately tolerant to rust and late leaf spot foliar diseases	48	Andhra Pradesh
ICGV-86590 (ICGS-86) (SB)	x 14-4-B-19-B x P1259747	1991	793(E) 22-11-1991	105-110	1785 (K)	Resistant to rust and LLS	42	Andhra Pradesh except North coastal districts, Karnataka, Tamil Nadu, Kerala, Maharashtra
ICUG 92035	ICGV 86033 x ICG 2214	2004	1566(E) 5-11-2005	97-101	2500-3000	Moderately resistant to ELS, LLS, PBND and Tikka, Spodoptera litura, leaf miner and thrips	48	Rajasthan
ICUG-92195 (Pratap Munghali-1)	(ICGV 86055 x ICG (FDRs 10)	2005	1566(E) 5-11-2005	97-102	1800-2800	Moderately resistant to Tikka, PBND and Spodoptera disease	48-50	Rajasthan
J-11	Ah42.18 x Ah4354	1964		100-105	1300	Bunch variety	49	Gujarat and Andhra Pradesh
Jawan (SB)	J11 x Asriya Mwitunde	1986	258(E) 26-11-1986		1230I, 2000(I)	Bunch type	48	Orissa

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
JCG 88 (Jagtiyal-88)	J11 x TG(E)1	1998	401(E) 15-5-1998	105-110	1396 (K), 1500-2300 (S)	Tolerant to A. flavus, A.niger and PBND	48-56	Andhra Pradesh
JGN-3 (Jawahar Groundnut-3)	Jyoti x JL-24	1997	425 (E) 8-6-1999	105-110	1806	High yield and drought tolerant	50	Madhya Pradesh
JGN-23	L-24 x ICG	2009			1631	Tolerant to ELS and LLS		Madhya Pradesh
JL-220 (Phule Vyas)	JL 80 x VG 77	1999	821(E) 13-9-2000	90-95	2000-2400	Early maturity, pod rarely 3-4 seeded	48	Maharashtra
JL-24 (Phule Pragathi)	Selection from EC94943	1979	596(E) 13-8-1984	95-100	1600	Bunch variety	47	Gujarat
JL-286 (Phule Unap)	JL-86 x NCAC-343	2004		93-95	2231	Moderately tolerant to thrips, leaf minor and spodoptera	49-50	All India
JL-501	Selection from TAG-24	2009		102	1600	Resistant to PBND, foliar diseases	48.3	Gujarat, Rajasthan
JM-2	Selection from Exotic-1	1982	499 (E) 8-7-1983	105				
Jyoti	Selection from exotic 7	1976	786(E) 2-2-1976	105-110	1600	Bunch variety It is susceptible to tikka disease	53	Madhya Pradesh
K-134 (Vemana)	Kadiri 3 x JL 24	1993	1(E) 1-1-1996	100-105	1677	High yielding Spanish bunch with medium maturity, Tolerant to PBND leaf spots and drought	45.9	Andhra Pradesh, Tamil Nadu
Kadiri 71-1	Selection from AH 288	1971			1390	Moderately resistant to Tikka disease	47	Rayalaseema of Andhra Pradesh
Kadiri-2	Selection from Nigerian culture MK374	1980	470(E) 19-2-1980	105-110	1800	Semi-spreading variety	47	Srikakulam, Visakhapatnam and Chittoor dist. of Andhra Pradesh.

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
Kadiri-3	Selection from Robut33-I	1980	470(E) 19-2-1980	105-110	2100	Semi-spreading variety	49	Andhra Pradesh, All India
Kadiri-4	Dh3-30 x NCAc2230	1997	662(E) 17-9-1997	100-110	2259	Suitable for Rabi summer Tolerant to rust, late leaf spot and PBND	48	Andhra Pradesh
Kadiri-5	JL 24 x VG55-7	2002	122(E) 2-2-2005	110-115	2033	Tolerant to LLS and drought	48	Andhra Pradesh
Kadiri-6 (K-1240)	JL24 x Ah 316S	2002	122(E) 2-2-2005	100-110	3100 (K) 3800 (R)	Tolerant to LLS and drought	48	Andhra Pradesh
Kadiri-7	{ICGV86522 x ICG(FDRS)10} x ICGV 91172	2009		120-125	5357	Tolerant to Leaf spot	53	All India
Kadiri-8	{ICGV86522 x ICG(FDRS)10} x ICGV 91172	2009		120-125	5000	Tolerant to Leaf spot	53	All India
Kadiri-9	Kadiri-4 x Vemana	2009		105-110	2500	Tolerant to Leaf spot, rust, Dry root rot and Collar rot		Andhra Pradesh
Kadiri haritandhra (K 1319)	91/57-2 X P146177		S.O. 733(E) 01/04/2010	122 to 122	3728	Multiple diseases and insect pests resistant, possess fresh seed dormancy upto 20 days; recommended for Rabi- summer season	48	Karnataka and Maharashtra
Karad 4-11	Selection from local	1982	19(E) 14-1-1982	150	1000	Spreading variety	48	Satara, Sangli, Sholapur and Pune districts of Maharashtra
Kisan (OG-1-13-3)	Spanish improved x B31	1985	832 (E) 18-11-1985	100-135	1600	Resistant to Tikka and leaf miner	50	Orissa
Konkan Gaurav (SB)	Selection from ICGS-1	1991	615(E) 17-8-1993	105-125	1800-2000	Rabi and Kharif seasons		Maharashtra
Kopergaon 1	Selection from local	1982	19(E) 14-1-1982	125	1250	Semi-spreading variety, Suitable for heavy soils	47	Sangli and Kolhapur districts of Maharashtra

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
Kopergaon 3	Selection from local	1933		100-105	1900	Bunch and erect variety	37	Western Maharashtra
Koushal (G-201)	Selection from T28	1985	295(E) 9-4-1985	108-112	1700	Resistant to ELS and early maturing	49	All India
KRG-1	Selection from Argentina	1983	499(E) 8-7-183	125	1200 (R) 2230 (I)	Susceptible to Tikka disease and leaf miner	49	Raichur, Bellary and Gulbarga dist. of Karnataka (for Rabi/ summer season)
Kuber	Seection from EC 1704	1978	1319 12-1978	105-110	1500-2000	Bunch variety	48	Bihar
LGN 2 (Manjra)	Robut33-1 x TMV10	2000	92(E) 2-2-2001	115-120	1800-2000	High yielding Virginia varieties with medium maturity	50	Maharashtra
LGN-1	JL-24 x NcAc-17090	2007	122 (E) 6-2-2007		1500-1700	Moderate resistance to LLS, rust, stem rot and PBND ^{Early} Maturing High yielding		Maharashtra
M-13	Selection from NC13	1973	361(E) 30-6-1973; 1004 23-3-1978	130-138	2750	Moderately resistant to Tikka disease, bold pods and kernels	49	All India
M-145	AI-1 x D3	1968	361(E) 30-6-1973	125	2200	Spreading variety	51	Punjab
M-197	C501 x U 4-7-2	1985	832 (E) 18-11-1985	118-120	1800	Semi-spreading	51	Loamy soils of Punjab
M335 (VR)	M13 x F7	1986	10(E) 1-1-1988	120-125	2300	Tolerant to late leaf spot. Suitable for sandy areas for irrigated conditions	51	Punjab
M-37	AI x C6-4-7-2	1982	19(E) 14-1-1982	120-125	1650		51	Punjab
M-522	Punjabi x F334-AB14	1995	1(E) 1-1-1996	110-120	2525	High yielding, early maturing for irrigated conditions	51	Punjab
M-548	M37 x Blanco Pure White	2003		123	1508	Resistant and tolerant to leaf spots and collar rot	51	Punjab

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
MA-16	Selection from EC16664	1986		120-125	1408 (R)	Bold seeded, HPS grade tolerant to leaf spots	49	Sourh-Eastern region, UP
MH-1	Selection from Faizpuri-5	1975		125-130	2000	Tolerant to foliar diseases	50	Haryana
MH-2	Selection from Gujarat dwarf mutant	1978	131 9-12-1978	105-110	2000	Bunch variety	49	Haryana
MH-4 (SB)	Selection from MH-2	1990	386(E) 15-5-1990	115	3000	Resistant to tikka disease	47	Haryana
PB-1 (Punjab1)	Selection from Samrala local	1973	361(E) 30-6-1973; 786(E) 2-2-1976	120	1900	Resistant drought and late leaf spot	49	Punjab, Gujarat and Rajasthan
POL-1 (Polachi-1)	Selection from Malayadian Bunch	1975	440(E) 21-8-1975; 786 2-2-1976	110-115	1270	Bunch variety	48	Tamil Nadu
POL-2	Pollachi red x Ah2105	1978	131 9-12-1978	110-115	1,500 (R) 2,700 (I)	Bunch variety	49	Coimbatore, Salem and Trichi dist. of Tamil Nadu.
R-808 (Apoorva)	ICGS11 x Chico	1997	662(E) 17-9-1997	110-120	2426	Tolerant to late leaf spot and PBND and suitable for <i>kharif</i> and <i>rabi</i> summer	49	Karnataka, Andhra Pradesh, Tamil Nadu
R-9251	JLM-1 x TG 23	1997	401(E) 15-5-1998	95-105	2000-2500	Early maturity and tolerant PBND	45-49	Karnataka
RG- 382	BG 2 x Tiftran	2005		129	2203	Moderately resistant to cercospora leaf spot and rust and tolerant to Jassids, leaf miner and thrips	55	Rajasthan
RG-141 (SB)	Robut33-1 x NCAc2821	1989	527(E) 16-8-1991	110-115	2100	Suitable for black soils of Rajasthan, high oil content	51	Rajasthan
RG-144		1989			1756		51	Rajasthan
RS-1	Selection from local collection	1953		135-140	1300	Tolerant to tikka disease	45	Rajasthan

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
RS-138	Selection from Brazilian culture	1989		105-115	2000-2200	Early maturity and high oil	50	Rajasthan
RSB-87	Selection from Brazilian culture	1982	19(E) 14-1-1982	145-150	1750	Semi-spreading	50	Kota region of Rajasthan
RS-HY- 1(Pragathi) (SB)	GDM x TMV2	1991	793 (E) 22-11-1991	110-120	2480 (R)	Moderately resistant to late leaf spot, rust,BND Suitable for paddy fallow residual moisture situation	50	Orissa, West Bengal, Andhra Pradesh, Tamil Nadu and Maharashtra
S-206	Selection from Manvi local	1982	19(E) 14-1-1982	105-110	1900	Bunch variety	50	Karnataka (Northern)
S-230	Selection from Tandur local	1969			1280	Susceptible for foliar diseases	50	Karnataka (Northern)
SB-XI	Ah4213 x Ah4354	1969	4045 24-9-1969	105-110	1300	Bunch variety	49	Maharashtra
SG-84 (ICGS 1) (SB)	Selection from ICGS1	1986	165(E) 6-3-1987	115-125	2062	Suitable for sandy loam areas for irrigated conditions	50	Punjab
SG-99 (ICGV 89280)	ICGV 89280 Genotype of ICRISAT	2004		123	2501		52	Gujarat, South Rajasthan and Northern Maharashtra
Smurti (OG-52-1)	Pollachi 1 x RS 60	1996	1(E) 1-1-1996		1982-3620			Orissa
Sneha	IES 833 x JL-24	1998	937(E) 4-9-2002	120-125	3827	Bunch type		Kerala
Snigdha	Dh(E)32 x JL 24	1998	937(E) 4-9-2002	120-125	3556	Bunch type		Kerala
Somnath (TGS-1) (VR)	TG18A (Induced mutant of TG18A x M13)	1991	793(E) 22-11-1991	120-125	1926	Tolerant to early and late leaf spot	50	Gujarat
Spanish Improved	Selection from Spanish peanut	1982	19(E) 14-1-1982	100-105	2400	Erect variety	44	Maharashtra, Kamataka

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
TAG-24 (SB)	Selection from TGS2	1991	814(E) 4-11-1992	90-95	1311(K), 2493(R)	Fresh seed dormancy for 2-3 weeks in Spanish group, Tolerant to drought; Suitable for paddy fallow residual moisture situation	51	Maharashtra
TGS 341 (Prasuna)	TCG1717 x TCG 1518	2006		105-110	40-50 qha)	Resistant to Kalahasti Melody and highly suitable for table purpose		Andhra Pradesh
TG-37-A		2004	161(E) 4-2-2004	110-115	1900	Tolerant to collar rot. High yield and early		Rajasthan, UP, Haryana and Punjab
TG-1(Vikram)	X-Ray mutant from Spanish Improved	1973			2695	Resistant to foliar diseases, bold pods HPS grade profuse branching	47	All India
TG-14		1985			2470		48	Uplands and Rice fallows
TG-17	Dark green Mutant x TGI	1982	832 (E) 18-11-1985		2000	Fresh seed dormancy for 2-3 weeks in Spanish group	49	Maharashtra (for <i>rabi</i> summer season)
TG-22	Robut-33-1 x TG 17	1992	636(E) 2-9-1994	115-120	2000-2200	Tolerant to acid soils suitable for <i>rabi</i> summer season and tolerant rust and late leaf spot		Bihar
TG-26	BARCG1 x TG23	1995	1(E) 1-1-1996	110-120	1596(K), 2425(R)	Fresh seed dormancy for 2-3 weeks in Spanish group, Tolerant to acid soils suitable for <i>rabi</i> summer season	49	Gujarat, Maharashtra, Madhya Pradesh
TG-3 (SB)	Mutant of Spanish improved	1986	165(E) 6-3-1987		2700-2900	Tolerant to acid soils suitable for <i>rabi</i> summer season	47	Kerala
TG-38 (TG-38 B)	Gamma ray induced mutant from F1 seeds of the cross Girmar-1 x TG-26	2006	1572(E) 20-9-2006	120-126	2800	Tolerant to stem rot, medium bold seed. For <i>Rabi</i> summer cultivation	48	Jharkhand, Orissa, West Bengal, NEH states

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
TGLPS-3 (TDG-39)		2009		120-150	2500	Tolerant to aflavus and LLS		Karnataka
Tirupati-2 (SB)	GAUG1 x NCAcFLA-14	1991	527(E) 16-8-1991	105-110	2100(K), 3500(R)	Possess high pod strength, tolerant to nematode (Kalahasti malady)	49	Andhra Pradesh
Tirupati-5	K-134 x TAG 24			105-110	20-23(K) 40-45(R)	Drought tolerant, High water use efficient and compact stature		Andhra Pradesh
Tirupati-3	Selection from TMV-10	1993	615(E) 17-8-1993	115-120	1200-1300	Resistant to Kalahasti Melody	53	Andhra Pradesh
Tirupati-4 (TCGS-30)	Jl 24 x An 3166	2001	92(E) 2-2-2001	100-105	2490	Early maturity	...	Andhra Pradesh
TKG-10-A		1995			2260		49	Maharashtra
TKG-19-A	TG17 x TGI	1996	1(E) 1-1-1996	120-125	2260	Large seeds, HPS grade, suitable for both <i>kharif</i> and <i>Rabi</i>	46	Konkarn Region of Maharashtra
TLG-45	Tg 19 x TAG-24	2006	122 (E) 6-2-2007	115	1400-1500	High oil content	49	Maharashtra
TMV 9	Ah3490 x Ah477	1970		125	1150(R), 2000 (I)	Bunch type	51	Tamil Nadu
TMV-1	Mass selection from Salam	1940		135	1450	Resistant to drought	50	Tamil Nadu
TMV-10	Natural mutant from Argentina	1979	786(E) 2-2-1970	125	1700	Semi-spreading	54	Tamil Nadu and Maharashtra
TMV-11	Selection from East Africa	1977		120	1200	Bunch variety	49	Tamil Nadu
TMV-12	Selection from Ugandan culture	1982	19(E) 14-1-1982	115-120	1,250(R), 2,100(I)	Bunch variety	51	Tamil Nadu
TMV-13	Selection from Pollachi red local	2006		100-105	1613 (R), 2580 (I)	Moderately resistant to LLS, Rust and Bud necrosis	50	Tamil Nadu

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
TMV-2	Selection from Gudhiatham bunch	1976	786(E) 2-2-1976	120-125	1025	Moderately resistant to rust	49	Tamil Nadu, Andhra Pradesh and Karnataka
TMV-3 (Coromandal)	Selection from Basse	1943		135	1450	Resistant to drought, Tikka disease and leaf miner	50	Tamil Nadu
TMV-4	Selection from North Carolina	1947		135	1450	Spreading variety	50	Tamil Nadu
TMV-6	Selection from Virginia Bunch	1961		125	950	Early maturing	48	Tamil Nadu
TMV-7	Selection from Tenesse white	1975	440(E) 21-8-1967; 540(E) 24-7-1985	105	1400	Early maturing bunch type	50	Tamil Nadu
TMV-8	Selection from Mainpuri local	1968		125	1700	Semi-spreading	50	Tamil Nadu
TPG-41	TG 28A x TTG 22	2004	161(E) 4-2-2004	115-120	2640	Moderately resistant to rust		Maharashtra
TPT-25 (Abhaya)	Female K-134; Male TAG-24. Through hybridization and selection	2006		105-110	2300 (K), 3756 (R)	Tolerant to LLS, sucking insects and Spodoptera	52	All India
Type-28	Selection from Bombay collection	1978	131 9-12-1978	140	1800	Tolerant to tikka disease. Spreading variety	48	Uttar Pradesh
Type-64	Selection from EC 1664	1978	131 9-12-1978	110-115	1500-2000	Tolerant to tikka disease. Semi-spreading	47	Uttar Pradesh
UF-70-10	Introduction from the USA	1984	540 (E) 24-7-1985	...	2000	Spreading variety	52	Vidarbha and Western Region of Maharashtra
Vasundhara (Dh-101)	R9214 x Dh 51-2	2007	122 (E) 6-2-2007	120-130	2879	Tolerant to stem rot, dry root rot thrips, Spodoptera and Helicoverpa		Jharkhand, Orissa, West Bengal, NEH states
VG 9521 (VGI-6)	JI 24 x ICGS 44	2001		107				Tamil Nadu, Andhra Pradesh, Karnataka, Kerala and Southern Maharashtra

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ ha)	Salient Features	Oil Content (%)	Area of Adaptability
VL Moongpahlili 1	Selection from ICGV 86590 (X14-4-B-19-8 x PI 239747)	2009		125-130	1943	Resistant to Tikka and root rot		Andhra Pradesh, Karnataka, Jharkand, Orissa, TamilNadu and West Bengal
Vijetha (R- 2001-2)	ICGS-11 x ICG-4728	2009	S.O. 211(E) 29/01/2010	115-120	1600	Resistance to PBND	46-48	Orissa, Jharkhand, Maharashtra, Tamil nadu and Andhra Pradesh
VRI Gn 6 (VG9816)	JL 24 X ICGS44	2009		100-106	2327	Highly resistant to white rust, Tolerant to Downy mildew, Sclerotinia rot and A. leaf blight	52	Tamil Nadu, Andhra Pradesh, Karnataka and Southern MS
VRI Gn 7		2009		120-125	1865	Moderately resistance to LLS and rust	45	Tamil Nadu
VRI-1(SB)	Selection from Robut33-I	1986	10(E) 1-1-1988	95-105	1790	Fresh seed dormancy for 2-3 weeks in Spanish group	48	Tamil Nadu
VRI-2 (SB)	JL24 x Co2	1989	915(E) 6-11-1989	100-105	1791(R), 2060(I)	High yielding Spanish bunch with medium maturity	48	Tamil Nadu
VRI-3 (VG55) (SB)	Jli x Robut33-I	1990	793(E) 22-11-1991	90-95	1668(R), 2060(I)	High yielding Spanish bunch with medium maturity; Suitable for paddy fallow residual moisture situation	48	Tamil Nadu
VRI-4	VG5 x NC-AcI7090	1996	662(E) 17-9-1997	105-110	2170	High yielding Spanish bunch with medium maturity	47	Tamil Nadu
VRI-5	CG 26 x IOGS 44	2001	1134(E) 15-11-2001	105-110	2384 (R)	Resistant to rust and LLS	51	Tamil Nadu
GJG 18 (JSP-49)			268(E) 28-1-2015					Odisha, West Bengal, Jharkand, Manipur
Raj Mungfali -2 (RG-578)			268(E) 28-1-2015					Odisha, West Bengal, Manipur

26.2 Varieties and Hybrids in Rapeseed and Mustard

Black Mustard (*Brassica nigra*)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Surya (LBM-428)	Selection from local germplasm	2002		82-88	1000-1200		40-41	Andhra Pradesh

Brown Sarson (*B. rapa* ssp. *Brown sarson*)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
B-65				600-800			40	West Bengal
BS-2		1966		115	1200-1500 (R)	Tolerant to drought	45	Uttar Pradesh
BS-70		1966			1200-1500 (I)		45	Uttar Pradesh
BSH-1	Selection from mewar local	1975	440 21-8-1975; 786 2-2-1976	130	1,200-1,500 (I)	Long and bold siliqua	44	Haryana, Rajasthan, Parts of UP and HP
GS-1	PS 66 X YS 31	1993		2180				Gujarat
Gulechin (KOD-100)		1996	1(E) 1-1-1996	1000 (RF)- 1888(IR)			38-40	Kashmir
Gulechin (KS-101)	Selection from EC 132141	1996	1(E) 1-1-1996	230-235	1001 (R)	Resistant to snow and frost		Kashmir and HP
KBS-3	Pusa Kalyani x Yukina	1996	92(E) 2-2-2001		1500-1800	Resistant to white rust and tolerant to cold	44	Himachal Pradesh
Suphala (DS17M)				135-140	1200-1800	Early maturing and bold seeded	42	

Gobi Sarson

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
DGS 1		2007	-		1282-2062	Suitable for sub-tropical areas of Jammu Division	40-44	Jammu & Kashmir
GLS-1	Selection from local material	1985		160				
GSC 101		2013	2013		1793-2190	Double low (low erucic acid and low glucosinolate content)	38.6-42.0	Delhi, Haryana, Jammu & Kashmir, Himachal Pradesh, Punjab and northern Rajasthan
GSC-5	Hyola 401 x (Agat x GSL 8888)	2003		141-168	1719-2390	Low erucic (<2%) and low glucosinolate (26-41 micromoles/g defatted seed meal)	37-43	Punjab
GSL-2		1996			1900-2000		45	Punjab, Rajasthan, Haryana
Him Sarson-1 (ONK-1)		2007/2008	2009	160	1362	Resistance to white rust, Tolerant to downy mildew and aphids	40.3	J&K, Himachal Pradesh, Uttarakhand
HPN-1 (Sheetal)	Selection from an exotic line FC 129127	1994		175-180	1300-1500	Suitable for intercropping with Toria	42	Himachal Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Hyola-401 (Hybrid)		2000 / 1996	2001/1997		1200-1640	Double low (low erucic acid, 0.8 % and low glucosinolate content, 15 micromoles/g defatted seed meal)	42	Haryana, Himachal Pradesh and Punjab
Neelam (HPN3)		1998				Suitable for late sown conditions		Himachal Pradesh
NUDB-26-11		2007	2008		984-1339	Low erucic and low glucosinolate content, suitable for irrigated conditions.	38-42	Himachal Pradesh, Jammu & Kashmir
PGSH-51		1996			1950		44	Punjab, Rajasthan, Haryana
TERI (OE) R-03 (TERI Unnat)		2001		128-138	800-1450	Low erucic acid (< 2%) and high oleic acid (59.5%)	40-44	Madhya Pradesh, Rajasthan and Uttar Pradesh
TERI -Uttam-Jawahar ** [TERI (00) R 9903]	TERI(OE) R03:INGR 98002 x <i>B. napus</i> . Var. Cyclone	2004		130-135	1619-2685	Low erucic acid (< 2%) and low glucosinolate (12.2 micromoles/g defatted seed meal)	43-45	Madhya Pradesh
TH-63(Suman)		1985			1555		46	North Western Zone
TMH-52(Tara52)					812		37	Haryana
YSB-19-7-C		1986			1400		46	WB

Karan rai (*Brassica carinata*)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
African Sarson (PC 5)	Cross, Karak x S67	1996	1(E) 1-1-1996					Punjab
JTC-1*	Mutant from HC1	2001		161-171	1420	Suitable for rainfed conditions	36-41	Delhi, Haryana, Himachal Pradesh and Punjab
Kiran (PBC 9221)	Selection from HC5	1998	401(E) 15-5-1998	170-175	2200-2500	For both rainfed and irrigated areas	40	Rainfed and low fertility areas of Delhi, Haryana and Punjab
PC 5-1 7*	Selection from PC 5	2001		154-192	1515-1725	Suitable for both rainfed and irrigated conditions	33-39	Delhi, Himachal Pradesh and Punjab
Pusa Gaurav (DLSC-1)*	<i>B. carinata</i> x Synthetic amphidiploid (<i>B. nigra</i> x <i>B. oleracea</i>)	1995		170	1717-1950	Suitable for both rainfed and irrigated areas	40	Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab and Rajasthan
Pusa Aditya (NPC-9)	Carinata early mutant x HC-2	2006	1572(E) 20-9-2006	160-173	1400	Highly resistant to white rust, immune to downy mildew and tolerant to <i>Alternaria</i> blight, powdery mildew and <i>Sclerotinia</i>	38-41	All India
Pusa Swarnim (IGC-01)	HC4 x Early Mutant	2002		157-185	1567	Suitable for irrigated and rainfed conditions.	42-43	Delhi, Haryana, Himachal Pradesh and Punjab,

Indian Mustard (Brassica juncea)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
44 S 01		2012			1109-1429	Early maturity rainfed conditions	36.9-42.7	West Bengal, Bihar, Odisha and NEH region
ACN Shatabdi (ACN-9)		2005	2006		800-1000	Suitable for timely sown and late sown condition	36-40	Maharashtra
Agrani (SEJ2)	Early B. juncea x Synthetic amphiploid (B. campestris var. toria x B. nigra)	1997	401(E) 15-5-1998; 283(E) 12-3-2003	95	1700	Early maturing		Punjab, Haryana, Delhi
Ahirwad (RK-01-3)	Krishna x Vardan	2004	1566(E) 5-11-2005	130-135	1534	Moderately resistant to Alternaria blight and tolerant to white rust	39	UP, Uttaranchal, Madhya Pradesh, Part of Bihar and part of Rajasthan
Albeil-1		2014	-		1880-2260	Suitable for irrigated conditions	40-41	Uttar Pradesh, Madhya Pradesh, Eastern Rajasthan and Uttarakhnad
Aravali Mustard		1998	2001		1265	Suitable for rainfed conditions	42	Haryana, Punjab and Rajasthan
Ashirwad (RK-01-03)		2004	2005		1450-2358	Moderately resistant at leaf and pod stage for Alternaria blight and resistant for White rust. Suitable for irrigated late sown conditions	31-41	Madhya Pradesh, Rajasthan, Uttar Pradesh, and Uttaranchal
Basanti (RK 8501)	Varuna x RK 1	2001	1134(E) 5-11-2001	130	1488	Yellow seeded, white rust resistant and Alternaria blight tolerant	41	Uttar Pradesh
Bhagirathi (RW-315)	Varuna x Appressed mutant	1987	834(E) 18-9-1987	120-125	1200(R)	Suitable for mixed cropping and high dose Nitrogen		West Bengal, Orissa

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Bhawani (TK840)		1985		80	1200-1350(l)	Tolerance to aphids	43	Uttar Pradesh
BR - 40	Selection from local material	1960			1200-1400 (R+l)		40	Bihar
Coral 437	(PAC 437A X PAC 437R)	2011	1708(E) 26/07/2012		1831-2581	Hybrid, WRE resistant	39.2-41.2	Delhi, Haryana, Punjab, J&K and Rajasthan
Coral PAC 432 (Hybrid)			2010		1831-2581	Hybrid	40-42	Uttar Pradesh, Uttarakhnad and Rajasthan
Coral PAC 432 (Hybrid)	PAC 432A x PAC 432 R	2009	S.O. 733(E) 01/04/2010	120 to 130	1831-2581	Hybrid	40-42	Uttar Pradesh, Uttarakhnad and Rajasthan
CS 56 (CS-234-2)		2007	2008		1170-1423	Suitable for late sown conditions, salt tolerant, 1000 seed weight more than 6 g.	34.2-38.0	Haryana, Punjab and parts of Rajasthan
CS-52 (DIRA-343)	Selection from DIRA 343	1998	401(E) 15-5-1998	135-145	1120	For sodic and saline soils	41	Uttar Pradesh, Haryana, Rajasthan
CS-54 (CS 614-4-1-4)*	R 8603 Bold B380	2005	122(E) 2-2-2005	109-147	1932	Tolerant to aphids and tolerant to salinity alkalinity	39-41	Haryana, MP, Rajasthan, UP and Gujarat
Dhara Mustard Hybrid-1 (DMH-1)	5247A x 2332 R	2009	11/02/2009	142-152	2053	Resistant to white rust. Tolerant to Downy mildew	38	Punjab, Haryana, Delhi, J&K, Rajasthan
DIRA-367 (Pusa Basant)	(PR 45 x RH 30) x 367-1	1989			1170		42	WB, Bihar, Orissa
Divya-33		2012	2817(E) 19-19-2013	148	1699-3560	Tolerant to high temperature	36.0-40.7	Delhi, Haryana, Jammu & Kashmir, Punjab and parts of Rajasthan

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
DRMRU31		2013	2013		2246-2757	High seed yield & bold seed size	38.7-42.5	Delhi, Haryana, Punjab, Jammu and Rajasthan
Durgamani	Selection from Sriganaganagar material	1974	566(E) 21-9-1974	135-140	1000-1200 (R+)	Resistant to Orobanchae	39	Rajasthan
ELM-079	QM4 x Pusa Bold	2007			1600-2000	Tolerant to Alternaria Blight and resistance to white rust, Sclerotinia stem rot		Punjab
Geeta (RB 9901) (RB24)	Spontaneous mutant of RH-30	2002	283(E) 12-3-2003	145-149	1173	Moderately resistant to white rust	41	Haryana, Punjab, Rajasthan
Gujarat Mustard-1 (GM1, RSK10)	MR71-3-2 x TM4	1990	639(E) 17-8-1990	105	1500-2000	Early maturing		Gujarat
Gujarat Mustard-2 (GM2, SKM 92-66)	Selection from Vedancha material	1997	360(E) 1-5-1997	115	2200-2400	Bold seeded and resistant to Powdery Mildew	40	Gujarat
Jawahar Mustard-2 (JMWR-941-1-2)	Varuna x L4	2004	1566(E) 5-11-2005	135-138	1717-2150	White rust resistant variety	39-42	Madhya Pradesh
Jawahar Mustard-3 (JMM-915)	Varuna x YRT 3	2004	1566(E) 5-11-2005	130-132	1500-2600	Tolerant to Alternaria blight and mustard aphid	40	Madhya Pradesh
Jawahar-1 (JMWR-93-39)	Pusa Bold x L6	1999	425(E) 18-6-1999	125-127	2000-2100	White rust resistant	41	Madhya Pradesh
JD-6 (Pusa Mahak)		2003	1177(E) 25-8-2005	81-114	1600-1700	An early maturing for rainfed areas	39-44	Orissa, WB, Bihar, Jharkhand, Chhattisgarh and Assam
JM 2		2004	2005		1717-2150	White rust resistant variety	39-42	Madhya Pradesh
JM-3		2004	2005		1500-2500	Tolerant to Alternaria blight	40.0	Madhya Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Kanti (RK 9807)	Selection from Kanpur Germplasm	2002	283(E) 12-3-2003	100-105	2000-2200	Suitable for multiple cropping, early sowing (mid September)	40-43	Uttar Pradesh
Karishma (PR 8988)*	PR8611 x Varuna	1995		124-149	1800-2000	Moderately resistant to Alternaria blight, downy mildew and white rust, suitable for irrigated areas	39	North Zone of India
Latha 101	Selection from Eiawah material	1978		150	1500 (l)	Suitable for mixed cropping	41	Uttar Pradesh
Laxmi (RH-8812)	Derivative cross Pant rai 15 x RH 30A	1997	360(E) 1-5-1997	145	2200-2500	Bold and black seeded	40	Haryana
LES 43		2013	2013		1564-2238	Low erucic acid content	36-39.4	UP, UK, MP, Eastern Rajasthan
LET-36		2013			1927-2568	Low erucic acid content	30-39.8	Delhi, Haryana, Punjab, Jammu and Rajasthan
LET-43		2013			1564-2238	Low erucic acid content	36-39.4	UP, Uttarakhand, MP and Eastern Rajasthan
Mahon-8 (Shivalik)*	RLM819 x Varuna	2002		124-135	1442	Suitable for late sown conditions	38-39	Delhi, Haryana, Punjab and Rajasthan
Maya (RK 9902)	Varuna x KRV 11	2002	283(E) 12-3-2003	130-135	2500-2900	Suitable for irrigated conditions resistant to white rust	39-40	Madhya Pradesh and Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Mustard Karishma		1995	-		1800-2000	Moderately resistant to Alternaria blight, downy mildew and white rust. Suitable for irrigated areas.	39	Haryana, Punjab, Rajasthan, Uttar Pradesh
Narendra Ageti Rai - 4		1999	2001		1500-2000	Suitable for early sowing, white rust and downy mildew tolerant	40	Uttar Pradesh
Narendra Swama Rai 8	(T-6342 x Varuna) x (TM-9 x RW-75-123-2)	2004	1177(E) 25-8-2005	130-135	1234-2357	Moderately tolerant to white rust, Alternaria blight and saw fly	36-46	Uttar Pradesh
Nav Gold (YRN-6)	Bio-902 x BM-185-11	2006	1572(E) 20-9-2006	122-134	1418	Moderately tolerant to white rust, Alternaria blight and Sclerotinia stem rot	38	Rajasthan, Haryana, Punjab, Delhi, J&K
NDRE 4 (Narendra Ageti Rai)	TM9 x Seeta	2001	1134(E) 5-11-2001	90-110	1500-2000	Suitable for early sowing, white rust and downy mildew tolerant	40	Uttar Pradesh
NRC HB 101		2008	2009		1382-1491	Suitable for late sown irrigated conditions	35- 42	Madhya Pradesh, Uttar Pradesh, Uttarakhnad and Eastern Rajasthan
NRCDR-02	MDOC 43 x NBPGR 36	2006		131-156	2200	Tolerant to white rust, Sclerotinia stem rot, Alternaria, Downey mildew	39	Rajasthan, Haryana, Punjab, Delhi
NRCDR601 (DMR 601)	NBPGR 272 x RK 9903	2009	S.O. 733(E)		1939-2626	Tolerant to salinity and hightemperature at sowing time	39-42	Delhi, Haryana, Punjab, J&Kand Rajasthan
NRCHB 101	BL 4 x Pusa Bold	2008		135	1438		35-42	Rajasthan, Madhya Pradesh and Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
NRCHB 506(Hybrid)	MJA 05 x MJR 1	2008	454(E)	148	2239		39-43	Rajasthan, Uttar Pradesh
Patna Mustard – 67	Selection from local material	1984	596(E) 3-8-1984	119	1600-1900(I)	Susceptible to Aphids and powdery mildew	38	Gujarat
PBR 210	RLM 619 x EH 8812	2003	122(E) 6-2-2007	150	1580	Resistant to Aternaria blight and white rust		Punjab
PBR-357		2011	2011		1373-3819	Timely sown irrigated conditions	35.8-41.5	Delhi, Haryana, Punjab, Jammu and Rajasthan
PBR-378			2012		1228-3484	Timely sown rainfed conditions	37.7-41.9	Delhi, Haryana, Punjab, Jammu and Rajasthan
PBR-91	(RLM 511 x PR18) x CM1	1996	1(E) 1-1-1996	Early	1600-1800		40	Punjab
PBR-97	(DIR 202 x PR34) x (RLM 619 x Varuna)	1997	662(E) 17-9-1997	136	1900-2200	For raifed areas	42	Punjab
PCR-7 (Rajat)	Selection from JMG 36-6	1997	647(E) 9-9-1997	115	1900	Resistant to lodging and shattering	39	Gujarat, Maharashtra, Rajasthan, Haryana
PM 29			2013					Delhi, Haryana, J&K, Punjab and Rajasthan
PM 30			2013					UP, Uttarkhand, MP and Rajasthan
PR 20061(Pant rai19)		2011	2012		1831-2511	Tolerant to high temperature at earlystage	40.9-41.8	Delhi, Haryana, Punjab, Jammu and Rajasthan
PR-15		1981			1800-2000(I)			Maharashtra

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Prakash	RL18xT9	1976	786 2-2-1976	150-155	1500-2000 (R+)		39	Haryana
Pusa Agrani (Sej 2)		2000 / 1997	1998		1718	Early maturing	40	Haryana, Punjab and Rajasthan, East and North East states
Pusa Bahar (DIR-247)	(Pusa Rai 28 x Varuna) x (Pusa Rai 30 x T6342)	1991	527(E) 16-8-1991		1000		43	West Bengal, Bihar, Assam and Orissa
Pusa Bold (PR 45)	Varuna x BIC 1780	1985	295(E) 9-4-1985	140	1800-2600(l)		42	Delhi and Eastern India (Bihar, Orissa, West Bengal)
Pusa Jai Kisan (BIO-902)	Selection from Varuna	1994	636(E) 2-9-1994		1900-2500	Resistant to lodging and shattering	40	Gujarat, Rajasthan and Maharashtra
Pusa Karishma (LES-39)	Pusa Barani x Zem 1	2004	1566(E) 5-11-2005		2000-2200		38-40	Delhi
Pusa Karishma** (LES 39)		2004		137-161	1731-2506	Low erucic acid (< 2%)	37-38	Delhi
Pusa Kranti (P26/21)	Cream Rai5 x RaiB					Tolerant to Alternaria blight and white rust		
Pusa Mustard 21(LES-1-27))		2007		75-80	1000-1100			J&K, Punjab, Haryana, Rajasthan, Delhi and Western Uttar Pradesh
Pusa Mustard 24 (LET-18))	(Pusa Bold x LEB-15) x LES 29	2009		134-150	2025	Resistant lodging and shattering. Moderately resistant to white rust, Alternaria blight, Downey Mildew, Powdery mildew	32-39	Punjab, Haryana, Rajasthan, Delhi and Western Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Pusa Mustard 25 (NPJ-112)	SEJ-8 x Pusa Jagannath	2009	2009	107	1469	Tolerant to lodging and shattering	39.6	J&J, Punjab, Haryana, Rajasthan, Delhi and Western Uttar Pradesh
Pusa Mustard 28 (NPJ-124)	JEJ-8 X PUSA JAGANNATH	2011	S.O.456(E) 16/03/2012	107 to 107	1993	Tolerant to lodging and shattering . show lower incidence of rust , sclerotia, stem rot , powdery mildew and aphids	40.0-42.8	Delhi, Haryana, Punjab, Uttar Pradesh
Pusa Mustard 29		2012	2012		1467-3005	Low erucic acid, Timely sown irrigated condition	30.0-39.8	Delhi, Haryana, Jammu & Kashmir, Punjab and Rajasthan
Pusa Mustard 30		2012	2012		1290-3778	Low erucic acid, Timely sown irrigated condition	36.0-39.4	Uttar Pradesh, Uttarakhnad, Madhya Pradesh and Rajasthan
PusaMustard 26(NPJ 113)			2011		1481-1895	Suitable for late sown irrigated conditions in Rabi season	30-41	J&K, Punjab, Haryana, Rajasthan, Delhi and UP
PusaMustard 27(EJ 17)			2011		1437-1659	Suitable for early sown irrigated conditions and for multiple cropping	40-45	UP, MP, Uttarakhnad and Rajasthan
Raj VijayMustard-2(JMWFR08-3)			2013		1276-1874	Moderately resistant to white rust	37.1-41.2	Delhi, Haryana, Punjab, Jammu and Rajasthan
Rajendra Anukool		2004	-		1275	Suitable for late to very late sown conditions	40-41	Bihar
Rajendra Rai Pichheti		2003	-		547-1400	Suitable for late conditions after paddy harvest	37-40	Bihar

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
RB 50		2008	2009		846-2425	Suitable for rainfed conditions	39- 40	Delhi, Haryana, Punjab, Jammu & Kashmir, Rajasthan
RCC 4	Selection from multiple crosses involving nine cultivars	1996	92(E) 2-2-2001	155-160	1044	Compact plant type		Himachal Pradesh
RGB 298		2014	-		2062-2245	Tolerant to terminal heat and suitable for rainfed conditions	37.1-41.5	Rajasthan, Punjab, Haryana, Delhi, Jammu and Western UP
RGN 13	RH 30 x Varuna	2002	283(E) 12-3-2003	135-163	2200	Suitable for normal sown irrigated conditions	41-43	Rajasthan
RGN 145		2008	2009		1448-1640	Suitable for late sown irrigated conditions	35- 39	Delhi, Haryana, Punjab, Jammu & Kashmir, Rajasthan
RGN 229			2011		2162-2568	Tolerant to high temperature and salinity during seedling stage	37.8-42.1	Delhi, Haryana, Punjab, J&K and Rajasthan
RGN 236			2011		1485-1808	Tolerant to high temperature and salinity during seedling stage	36.3-40.8	Delhi, Haryana, Punjab, J&K and Rajasthan
RGN-145	Varuna x Tobin	2009		134	1534	Tolerant to white rust, Alternaria Leaf Spot, Pod blight, Powdery and downy mildew	35-39	Rajasthan, J&K, Haryana, Punjab, Delhi, Uttar Pradesh
RGN-48	RSM-204 x B-75	2006	599(E) 25-4-2006	138-157	1600-1700	Tolerant to white rust, Sclerotinia stem rot and downy mildew	41	Haryana, Punjab and Rajasthan

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
RGN-73	RGN-8 x Pusa Bold	2007	122(E) 6.2.2007	120-125	2000	Tolerant o white rust, Sclerotinia stem rot, Alternaria Leaf Spot, Pod blight, Powdery and downy mildew	33-44	Uttar Pradesh, Uttaranchal, Madhya Pradesh, Rajasthan
RH 0119			2012		1047-2156	Thermo-tolerant	38.5-39.8	Haryana
RH 0406			2013		2200-2300	Bold seeded lodging resistant	38-40	Delhi, Haryana, Punjab, Jammuand Rajasthan
RH 0406		2011	2817(E) 19-19-2013					Haryana, Punjab, Delhi and Rajasthan
RH 0406		2011	2011		2200-2300	Bold seeded, lodging resistant	38.0-40.0	Delhi, Haryana, Jammu & Kashmir, Punjab and parts of Rajasthan
RH 0749			2013		2400-2800	Timely sown irrigated condition	39-39.5	Delhi, Haryana, Punjab, J&Kand Rajasthan
RH 0749		2012	2012		2400-2800	Timely sown irrigated condition	39.0-39.5	Delhi, Haryana, Jammu & Kashmir, Punjab and parts of Rajasthan
RH 7361	Rai 62 x Bharatpur 10	1984				Tolerant to Frost		Haryana
RH 785	(Prakash x T59) x T59	1983						Assam, Bihar, Orissa and West Bengal
RH-30	Selection from P26/3-1	1985	295(E) 9-4-1985	130-135	1600-2200 (R+)	Non-shattering suitable for mixed cropping late sowing	40	Haryana

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
RH-781	(RL18 x P26/3-1) x RL 18	1991	527(E) 16-8-1991	140	2000-2250		40	Haryana
RH-8113 (Saurabh)	T59 x RC 781	1987	165(E) 6-3-1987		1400-1800	Moderately resistant to Alternaria blight	42	Haryana, J&K, HP, Punjab, Rajasthan, Delhi and Gujarat
RH-819	Parakash x Bulk pollen	1991	527(E) 16-8-1991	148	1750-2000		40	Rainfed areas of Haryana state
RH-8812 (Laxmi)	PR 15 x RH 30 A	1997	360(E) 1-5-1997		2250-2500	Bold and black seeded	40	Haryana
RK-01-03*		2004		125-135	1450-2358	Moderately resistant at leaf and pod stage for Alternaria blight and resistant for White rust. Suitable for irrigated late sown conditions	31-41	Madhya Pradesh, Rajasthan, Uttar Pradesh and Uttaranchal
RL-1359	RLM 514 x Varuna	1988	1135(E) 1-12-1988		1752		43	North Western Zone
RL-18	Pure line selection	1976	56621-9-1974; 440 21-8-1975; 786 2-2-1976	140-145	1250 (R)		38	Punjab
RL-99-27*		2004		144-153	1130-2696	Suitable for rainfed conditions	39-41	Haryana, Punjab and Rajasthan
RLC-2(ELM 123)			2012		2039-2342	Superior oil quality	36.3-38.9	Delhi, Haryana, Punjab, Jammu and Rajasthan
RLM 185	Gamma ray induced mutant of RL18	1983				Tolerant to drought		Madhya Pradesh and Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
RLM-198	Gamma ray induced mutant of RL18	1977	3161 29-9-1977	152-166	2000	Fertilizer responsive, moderately resistant to aphids	38	All India
RLM-514	Gamma ray induced mutant of RL18	1984	596(E) 13-8-1984	152	1500-2000 (R+)	Moderately resistant to aphids and shattering	40	Punjab
RLM-619	Gamma ray induced mutant of RL18	1985	832(E) 18-11-1985	140	1500 -1600 (R+)	Moderately resistant to downy mildew , white rust and aphids	43	Punjab
RN-393 (Aravali)	Krishna x RS 50	1998	1134(E) 15-11-2001	136	1450	Suitable for rainfed conditions	41	Rajasthan
RRN 573			2013					Rajasthan
RRN-505 (RN-505)	Pusa Bhushan x ABRNT-1	2006	599(E) 25-4-2006	121-127	1200-1400	Tolerant to Sclerotinia stem rot	40	Rajasthan
RSK-10(GM-1)		1989			1807		38	Gujarat
RSPR 03		2007	-		933-2022	Suitable for timely sown conditions, fertilizers responsive	37-40	Jammu & Kashmir especially Sub-tropical area of Jammu Division
RW-4C-6-3-II		1986			1350		38	West Bengal
Sanjucta Asech (4C-6-3/II)	TM4 x RK2	1988				Suitable for mixed cropping		Assam, Bihar, West Bengal, Orissa
Sarama (RW 85-89)	Varuna x B5	1984		115	1700	Moderately resistant to Alternaria blight and aphids	38	West Bengal
Seeta (B 85)	Selection from Madhijura material	1982	19(E) 14-1-1982	95-100	1200-1400 (R+)	Early maturing tolerant to Alternaria blight and aphids	38	West Bengal, Arunachal Pradesh
Shatabdi (ACN-9)	Seeta x RW 351	2005		95-105	800-1000	Moderately susceptible to aphids, white rust, wilt and powdery mildew	32-40	Maharashtra

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Shekhar (KR5610)	Selection from Elawah material	1978		135	1800 (R+)		40	Uttar Pradesh
Shivalik (Mahon-8)		2002	-		1442	Suitable for late sown conditions	38-39	Delhi, Haryana, Punjab and Rajasthan
Shivani (BAUR 9502)	Local Selection	2003	1177(E) 25-8-2005	93	600-750 (Rainfed) 1200-1500 (Irrigated)	Suitable for rainfed, low fertility conditions.	41	Jharkhand
Swaran Jyoti (RH9801)	Selection from RC1670	2002	283(E) 12-3-2003	123-130	1377	Suitable for irrigated late sown conditions	39-43	Haryana, Madhya Pradesh, South Rajasthan and Uttar Pradesh
TH-65		1988			1738		44	Haryana
TL 15		1989						Himachal Pradesh
TLC-1		1983		100	500-1200		40	Punjab
TM-2	Gamma ray induced mutant of RL 9	1993	615(E) 17-8-1993	90-95	1600		38-40	Assam (Rainfed)
TM-4	Varuna x TM1	1993	615(E) 17-8-1993	90-95	1200-1600		38	Assam (Rainfed)
TPM-1		2006	2007		1127-1682	Yellow seeds, High oil yield, Tolerant to powdery mildew	34-39	Western Maharashtra
Urvashi (RK 9501)	Varuna x Kranti	2001	92(E) 2-2-2001	125	1700	Suitable for irrigated conditions	39	Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Varuna (T 59)	Selection from Varanasi local	1976	786 2-2-1976	90-100	2,000-2500 (R+)	Moderately resistant to Alternaria blight, suitable for late and early sowing	40	All India
Vasundhara (RH 9304)	RH839 x RH 30	2002	283(E) 12-3-2003	129-137	2109	Suitable for normal sown irrigated conditions	38-40	Haryana, Madhya Pradesh, South Rajasthan, Uttar Pradesh and Ultranchal
VSL-5 (Jagammath)	Varuna x Synthetic juncea	1999	425(E) 18-6-1999	125-130	1800	Suitable for normal sown irrigated conditions	41	Uttar Pradesh, Rajasthan

Taramira

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Hyola PAC 401	Female H x 401 Male H 401M	2000 / 1997	92(E) 2-2-2001	137-182	1200-1640	Double low (low erucic acid, 0.8 % and low glucosinolate content, 1.5 micromoles/g defatted seed meal)	42	Haryana, Himachal Pradesh and Punjab
ITSA (Improved Taramira Selection -A)	Reselection from oria A	1978	131 9-12-1978	120	800-1000 (I)		44	Punjab
Karan Tara (RTM-3140)	Selection from Sri Ganganagar material	2001	1134(E) 1-5-1997	142	1050	For rainfed areas.	34-35	Haryana, Punjab, Rajasthan and Uttar Pradesh
T 27	Selection from Gurgaon local	1976	786 2-2-1976	150	650 (R)		36	Haryana

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
TMC 1		1980						Rainfed areas of Punjab
TMLC2		1990				Resistant to aphids		Rainfed areas of Punjab

Toria (*Brassica rapa* ssp. *Toria*)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Agrani (B54)	Selection from local germplasm from West Bengal	1982	19(E) 14-1-1982	70-75	1200	Suitable for multiple cropping escapes from aphids due to earliness	40	West Bengal
Bhavani (TK8401)	Selection from Tarai region of Uttar Pradesh	1986	258(E) 14-5-1986	75-80	800-1000	Early maturing		Uttar Pradesh
BR 13	Selection from purnea material	1965						Bihar
BR-23	Selection from purnea (Bihar) material	1993	615(E) 17-8-1993	100	500-600		43	Bihar
DK 1	Selection from Agrani (B54)	1970			800-1,000 (l)	Suitable for sowing after Maize	44	Himachal Pradesh
Jawahar Toria (JMT 689)	Composite from local and T9	1996				Resistant to white rust		Madhya Pradesh
JMT-689	Local collections and T-9	1997	360(E) 1-5-1997					Punjab
M18	Selection from Assam local	1956						

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
M2	Selection from Assam local	Prior to 1952						Assam
M3	Selection from Assam local	Prior to 1953						Assam
ORT (M) 2-4 (Parbati)	BT4 Selection from 100 KR(Gama ray)	2001	1134(E) 15-11-2001	75	1300-1500	For rainfed areas	42	Orissa
ORT(M) 6-2 Anuradha	Selection from gamma irradiated TS29	2002	937(E) 4-9-2002	75	1460	For rainfed areas	44	Orissa
Panchali (TWC-3)	(K1 x T99) x [(TSA x B54) x (T9 x Karmahal)]	1988	1135(E) 1-12-1988	80-85	1200-1400		42	WB
PBT 37	Half sib family developed in TLC 1	1996	1(E) 1-1-1996	95	1347	Resistant to white rust, suitable for Toria-wheat rotation		Punjab
PT 30	Poly cross involving M 3 Female and Number of male parents	1987	165(E) 6-3-1987	90-93	1400-1600	Tolerant to <i>Alternaria</i> blight, downy mildew, white rust		Uttar Pradesh
PT 303	B54 x DSH 17 MD	1985	832(E) 18-11-1985	95	900-1100	Tolerant to <i>Alternaria</i> blight, downy mildew, white rust		Assam, Bihar, Haryana, Punjab, UP, WB
PT 507	Local population from Uttar Pradesh	1990	386(E) 15-5-1990	85-90	1400-1600			Uttar Pradesh
RAUTS-17	Selection from UP 70-SC-17	1990	386(E) 15-5-1990	85	800-1400		43	Bihar

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Sangam		1976	786 2-2-1976	110	1500		44	Haryana
Suman (TH 63)		1985						Haryana
T 16	Selection from Dhaka material	1956						Eastern and Bundelkhand regions of UP
T 9	Selection from 5509, Uttar Pradesh	1975	44021-8-1975; 131 9-12-1978	90-100	1200-1500 (R+I)	Suitable for high fertility soils	44	Uttar Pradesh, Andhra Pradesh and Rajasthan
T11	Selection from Kanpur material	1936						Central region of Uttar Pradesh
T36	Selection from Etawah material	1963			1200-1500(I)	Yellow seeded	43	Uttar Pradesh, Andhra Pradesh and Rajasthan
TH-68		1991	527(E) 16-8-1991	90	1250-1500		44	Haryana, Punjab
TL 15	Selection from Karnal material	1982	19(E) 14-1-1982	85	1000	Suitable for Toria- wheat rotation	44	Punjab
TLC 1 (Toria Ludhian Composite)	Composite of ten elite toria strains	1983				Suitable for Toria-sunflower/ Toria-sugarcane		Punjab
TS- 46	M27 x TS29	2000						Assam for late sown
TS-29		1980		85-90	1200I		44	Assam and Orissa
TS-36	T9 x TS29	1998			1200	Tolerant to <i>Alternaria</i> blight, downy mildew, white rust and drought suitable for late sown	42-43	Assam (RF/IR)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
T5S-38		1998				Tolerant to <i>Alternaria</i> blight and white rust	42-43	Assam (RF/IR)
TWC 2 (Composite 2)	Composite from (ITSA x B54) x (I9 x Karmahal)	1986						Eastern India
Uttara (PT-2002-25)	Selection from PT303	2008	211(E) 29/01/2010	97	1326	Moderately resistant to white rust, downy mildew and powdery mildew		Uttarkhand
VL Toria-3	SELECTION FROM VHC 86	2006	1703(E) 05/10/2007	145		Resistant to anthracnose and pod blight		Uttarkhand
YSH 0401		2009		115-120			43-45	Haryana

Yellow Sarson (*Brassica campestris*)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
66-197-3	Selection from local material	1980			1400-1600 (I)	Suitable for pure and mixed cropping	42	Bihar
Beney (B 9)	Selection from Karimganj material	1982	19(E) 14-1-1982	90-95	1200-1400 I	Suitable for late sown and high dose of nitrogen	46	West Bengal, Tripura, Arunachal Pradesh, Meghalaya and Nagaland
Gujarat Sarson (GS 1)	PS66 x YS31	1989	636(E) 2-9-1994	95	1400	Bold seeded and early maturing		Gujarat
Indira (PYS 6)	Local material of Uttar Pradesh	1984			800-900		44-45	West Bengal

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Jhumka (YSBNC-1)	Single plant selection from Nadia material	1998	401(E) 15-5-1998	90-95	1200-1300	Higher yield in closer spacing	46	West Bengal, Assam Bihar, Orissa
K 88	Selection from Etawah material	1978	131 9-12-1988		1400-1800 (l)	Bold seeded	43	Uttar Pradesh
Kiran (PBC 922)		1998	401(E) 15-5-1998		2200 – 2500		40	Western UP, Northern Rajasthan, Punjab, Haryana, Delhi
Kishna (PR-18)	Selection from Varuna	1984	596(E) 13-8-1984		1380	Tolerant to frost	40	Bihar, Orissa, UP, Haryana, Punjab, MP, Rajasthan
Kranti (PR 45)	Selection from Varuna	1983	2(E) 3-1-1983	135	1500-1800 (l)	Resistant to downy mildew and white rust	40	Uttar Pradesh, Bihar, West Bengal, Orissa, Haryana, Punjab, Delhi
M-27	Selection from Assam local	1978	131 9-12-1978	85-90	1200		45	Assam, Tripura and Orissa
NRCYS 05-02	Selection from IC 355419			181	1439		50	All India
Narendra Sarson-2 (NDYS-2)	Selection from gamma ray induced mutant of YSIK4	1997	647(E) 9-9-1997	125-130	1200-1700	Resistant to downy mildew, powdery mildew and white rust	43	Uttar Pradesh
NDR-8501 (Narendra Rai)	Selection from Atwa material	1990	639(E) 17-8-1990		1333		40	Uttar Pradesh and Madhya Pradesh
Patna Sarson-2 (PS 66)	Selection from Gujarat material	1984	596(E) 3-8-1984	110	1200-1400 (l)		42	Gujarat
Pusa -74	T42 x code 807 strain					Highly tolerant to aphids		

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Pusa Gold	NIC 394 x YST51	1997			3400		45	Bihar, West Bengal, Orissa
Pusa Kalyani (PN 15-5/19)		1974	598(E) 8-10-1974	110-120	1500-1700 (l)	Resistant <i>Alternaria</i> blight, Powdery mildew, white rust and aphids	45	Uttar Pradesh
PYS r**		2004		99-125	1050-1163	For irrigated areas	42-44	Uttarkhand
Ragini (MYSL-203)	Selection from Allahabad material	2000	92(E) 2-2-2001	100-136	1567	Suitable for irrigated conditions	44	Bihar, Eastern Uttar Pradesh and West Bengal
Rajendra Sarson-1 (RAUDY 89-115)	Selection from local material	1996		100	1500-1700	Moderately resistant to <i>Alternaria</i> blight and white rust	46	Bihar, Eastern UP and West Bengal
Rohini (KRV-24)	Selection from Varuna	1985	867(E) 26-11-1986	120-125	1300-1800(l)		40	Uttar Pradesh and Madhya Pradesh
Subinoy (YSB-19-7-c)	IB1939 x IB737	1991	527(E) 16-8-1991		1400-1700		46	West Bengal and Eastern India
Swarna (RAUDYS89-07)	YST151 x Dholi Pendent	1998						Bihar
T 10	Selection from Kanpur material	1957				Bold seeded		Central Uttar Pradesh
T 151	Selection from Aligarh material	1978	131 9-12-1988	120	1400-1500(l)		46	Eastern Uttar Pradesh and Bundelkhand
T 42	Selection from Basti materia	1978	131 9-12-1988	125	1200-1500(l)			Eastern Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Vaibhav (RK-1418)	Biparental mating involving 6 lines/cultivars	1985	832(E) 18-11-1985	140-145	1300-1800(R)	Resistant to <i>Alternaria</i> blight and white rust	38	Uttar Pradesh and Madhya Pradesh
Vardhan (RK-1467)	Biparental mating involving 6 lines/cultivars	1985	832(E) 18-11-1985	120-125	1300-1800(l)		40	Uttar Pradesh and Madhya Pradesh
YSPB- 24	Mass selection from Mewat local	1978	131 9-12-1988	145	1000-1200 (l)		45	Punjab, Haryana and Rajasthan
YST 151	Selection from Barabanki material	1957		130-135	1100-1500	Multi- valved siliquae		Eastern Uttar Pradesh

26.3 Varieties and Hybrids in Soybean

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
ADT-1 (UGM-33)	Selection from "Hill" variety	1990	...	85-90	1200-1500	Tolerant to leaf miner and leaf webber	-	Kaveri delta of Tamil Nadu
Alankar (PK 71-21)	D 63-6094 x D 61-4249	1978	13 19-12-1978	115-120	2200	Resistant to bacterial pustules, tolerant to yellow mosaic	20-21	Northern plains
Ankur (PK-71)	SPS from composite of 22 crosses	1976	786 2-2-1976	115-120	2300	Resistant to bacterial pustules and rust	20-25	Northern plains
Birsa Soy-1	Spontaneous mutant of 'Sepaya Black'	1983	499(E) /8-7-1983	110	2800	Moderately resistant to Bacterial pustule and bacterial blight, resistant to soybean mosaic, yellow mosaic and Cercospora leaf spot	22	Chotnagpur plateau of Bihar
Bragg	Jackson x D 49-2491	1969	4045 24-8-1969; 5505 20-10-1971;	115-120	1800	Resistant to bacterial pustules, susceptible to YMV	20	All India
Clark-63	(Clark x CNS) x (Clark 6 x Blackhawk)	1969	4045 24-9-1969; 361(E) 30-6-1973	85-90	1800	Tolerant to bacterial pustules	18-20	Northern and Central Zone
Co (soya)-7	UGM 69 x JS 335	2005	...	85-90	1366			Tamil Nadu
Co-1	Selection from EC 398321	1982	19(E) 14-1-1982	85-90	1800	Resistant to stem fly & pod borer, moderately to YMV.	20	Tamil Nadu
Co-2	UGM 21 x JS 335	1997	360(E) 1-5-1997	75-80	1800	Tolerant to YMV and leaf miner.	-	Tamil Nadu
Co-3			599 (E) 25-4-2006					

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Davis	Raonoke x (Odgen x CNS) x (Ralsoy x Odgen)	1969	361(E) 30-6-1973	110-115	1 800	Resistant to bacterial pustules	-	Southern Zone
D5b-1	Pure line selection from EC-172576	2008	S.O. 449(E) 11/02/2009	90-95	2000-2500	Resistant to girdle beetle, semiloopers and stem fly	18.27	Karnataka
Durga (JS 72-280)	EC 14437 x Bragg	1982	19(E) 14-1-1982	102-105	2100	Tolerant to bacterial pustules	18-20	Central Zone
Gaurav (JS-72-44)	D 60-9647 x EC 7034	1982	19(E) 14-1-1982	90-95	2200	Tolerant to disease and pests in Gujarat	18-20	Central Zone
GC-00209-4-1-1 (Karune)		2011			7000-8000 (green pods)	Vegetable type		SouthKarnataka
Gujarat Soyabean-1 (J-231)	Selection Punjab-1	1983	...	90-95	1800	Tolerant to disease and pests in Gujarat	-	Low rainfall areas of Gujarat
Gujarat Soyabean-2 (J-202)	Selection from Geduld variety	1983	...	105-110	2300	Tolerant to disease and pests in Gujarat	-	Medium to high rainfall areas of Gujarat
Hara Soy (Himso-1563)	Himso 1520 x Bragg	2001	92 (E) 22-2-2001	108-130	1500-2000	Immune to bacterial pustule, highly resistant to brown spot, bacterial blight, and resistant to frog eye leaf spot and pod blight. First ever culinary purpose variety in soybean.	19	Himachal Pradesh and Uttaranchal
Hardee	D 49-772 x Improved Pelican	1992	860(E) 25-11-1992	105-110	1500 -1800	Tolerant to bacterial pustules, susceptible to yellow mosaic	20	Zone

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Indira Soya-9	Secondary selection from JS 80-21	2001	92 (E) 22-2-2001	110-115	2300	Resistant to rust. Moderately resistant to stem tunneling and girdle beetle and leaf folder	20	Madhya Pradesh
JS 20-29			1146(E) 24-1-2014					MP, Maharashtra, Rajasthan and Uttar Pradesh
JS 20-34			1146(E) 24-1-2014					MP, Maharashtra, Rajasthan and Uttar Pradesh
JS 93-05 (Jawahar Soybean)	Secondary selection from PS 73-22	2002	937 (E) 4-9-2002	90-95	2000 -2500	Resistant to major diseases and insect pests.	19	Central Zone
JS 95-80 (Jawahar Soyabean 95-60)	Selection from Ps 73-22	2006		82-88	1800-2000		18-21	Madhya Pradesh
JS-2	Selection from Tehri Garhwal material	1982	19(E) 14-1-1982	95	1800	Resistant to bacterial pustule, tolerant to Macrophomina	18-20	Central Zone
JS-335 (Jawahar Soyabean)	JS-78-77 x JS 71-5	1994	636(E) 2-9-1994	95-100	2500-3000	Resistant to bacterial pustule and susceptible to YMV.	17-19	Gujarat, Rajasthan, Maharashtra and Madhya Pradesh
JS-71-5	Selection from Lee type exotc material	1991	527(E) 16-8-1991	90-95	2000-2400	Resistant to bacterial pustules and Myrothecium	41	Malva plateau of Madhya Pradesh.
JS-75-46	Improved Pelican x Semmes	1987	165(E) 6-3-1987	105	1600-3100	Tolerant to bacterial pustules, tolerant to Macrophomina	20-22	Central Zone
JS-76-205 (Jawahar Soyabean)	Kalitir x Bragg	1990	386(E) 15-5-1990	105	1600-2000	Resistant to bacterial pustules and seed and seed ling rot	-	Hoshangabad and Narsingpur districts of Madhya Pradesh

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
JS-79-81	Bragg x Harsoy - Desiduous	1994	...	102-105	2800	Resistant to bacterial pustule, bacterial blight and susceptible to YMV	-	Madhya Pradesh.
JS-80-21	JS 75-1 x PK 73-84	1991	527(E) 16-8-1991	105-110	2500-3000	Tolerant to bacterial pustules, viral diseases and foliar insect-pests.	-	Central Zone, North-Eastern Zone especially Meghalaya
JS-90-41	PS 73-7 x Harik	1999	425(E) 8-6-1999	90-100	2500-3000	Moderately resistant to stem fly, semi-looper and tolerant to major diseases	...	Madhya Pradesh
JS-90-60 (Jawahar Soybean)	Sec. Selection from Ps 73-22	2006	...	82-88	1800-2000	Resistant to root rot, bacterial pustules, MLS, stem fly, girdle beetle	18-21	Madhya Pradesh
Kalitur	Indigenous native variety	1971	5505 20-10-1971	120-130	800-1000	Susceptible to YMV, tolerant to bacterial pustules		Madhya Pradesh
KB-79 (SNEHA)	Hardee x Monette	1997	647(E) 1-5-1997	85-93	1700	Resistant to Alternaria, bacterial pustules, YMV, soybean mosaic. Moderate tolerance to Cercospora and bud blight.	20	Karnataka
KDS 44 (Phule Agramai)			268(E) 28-1-2015					Maharashtra, Karnataka, Tamil Nadu and Telangana
KHSb-2	Manloxi x EC 39821	1982	19(E) 14-1-1982	115-120	2200	Moderately tolerant to bacterial pustules	21	Karnataka
KM-1	Pue line from AVRDC, Taiwan	1982	19(E) 14-1-1982	95-100	1300	Tolerant to bacterial pustule	20	Tamil Nadu

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Lee	S-100 x CNS	1973	.361 30-6-1973; 598(E) 8-10-1974; 440(E) 21-8-1975	105-115	2300	Susceptible to YMV, defoliators, bacterial pustules and girdle beetle	20	Northern hill Zone
LSb-1	Selection from MACS 330	2001	92 (E) 22-2-2001	65-71	1200-1500	...		Andhra Pradesh
MACS-1188	JS (SH) 93-01// MACS 450		19/09/2013		2475	High Oil content, early maturity, resistant to podshattering and Rizoctonia and aerial blight, bacterialpustules, charcoal rot, stem fly, pod borer, leaf folder, leafminer and defoliators		Southern zone (Karnataka, Tamil Nadu, A P, SouthMaharashtra)
MACS-124	JS 2 x Improved Pelican	1992	860(E) 25-11-1992	95-105	2500-3200	Resistant to bud blight.	-	Southern Zone
MACS-13	Hampton x EC 7034	1985	295(E) 9-4-1985	90-100	2700	Resistant to bacterial pustules	15-22	Central Zone
MACS-450	Bragg x MACS 111	1999	425 (E) 8-6-1999	90-95	2500	Resistant to yellow mosaic, bacterial pustule. Resistant to defoliators	20	Maharashtra, Karnataka, Tamil Nadu and Andhra Pradesh
MACS-57	JS 2 x Improved Pelican	1992	814(E) 4-11-1992	85-100	2800	Resistant to soybean mosaic bacterial pustules and bud blight.	-	Maharashtra

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
MACS-58	JS 2 x Improved Pelican	1989	599(E) 31-7-1989	90-100	2000-2500	Resistant to bacterial pustules and Myrothecium leaf spot.	-	Central Zone
MAUS 61 (Pratikar)	JS 71-1 x PK-73-94	2002	937 (E) 4-9-2002	95-100	2600-2800	Resistant to Myrothecium leaf spot	20	Southern Zone
MAUS 61-2 (Pratista)	JS 80-21 x KB-60	2002	938 (E) 4-9-2002	100-105	2000-2500		20	Central Zone
MAUS 71 (Sannudhi)	JS 71-5 x JS 87-38	2002	939 (E) 4-9-2002	93-100	2000-2500			North Eastern Zone
MAUS-1 (Aarti)	...	1995	...	90-95	2500-3000	Moderately resistant to bacterial pustules and Myrothecium leaf spots and moderately resistant stem fly	-	Maharashtra
MAUS-2 (Pooja)	Selection from SH 84-14	1997	360(E) 1-5-1997	100-105	2450	Resistant to bacterial pustule and leaf spots. Moderately resistant to leaf miner, stem fly and blue beetle.	20	Maharashtra, Karnataka
MAUS-32 (Prasad)	Selection from JS 80-21	2000	821 (E) 13-9-2000	100-105	3000-3500	Resistant to moderately resistant to common diseases and pests	19	Maharashtra

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
MAUS-47 (Parbhani Sona)	PS -73-7 x Hark	2000	821 (E) 13-9-2000	85-90	2500-3000	Resistant to Collar rot, Anthracnose, Cercospora and Rhizoctonia. Resistant to Grey semi-looper, Tobacco caterpillar, leaf miner and moderately resistant to stem fly.	20	Maharashtra, Madhya Pradesh and Rajasthan
MAUS-81 (Shakti)	KB-74 x JS 335	2003	161 (E) 4-2-2004	93-97	3200	Tolerant to common diseases and pests	21	Madhya Pradesh, Maharashtra, Rajasthan and Gujarat
Monetta (EC-2587)	Exotic variety EC 2587	1985	540(E) 24-7-1985	80-85	1500-2000	Field tolerance to insect-pests		Central Zone
NRC 86 (Ahilya 6)			268(E) 28-1-2015					MP, Rajasthan, Gujarat, UP, Maharashtra
NRC-12 (Ahilya-2)	Induced mutant of Bragg	1997	360(E) 1-5-1997	99	2500-3000	RYMV, Myrothesium leaf spot and tolerant defoliators, stem fly and gridle beetle resistant to bacterial pustules	18	Madhya Pradesh
NRC-2 (Ahilya-1)	Induced mutant of Bragg	1997	92 (E) 22-2-2001	106	2500-3200	Resistant to pod blight and tolerant to Cercospora leaf spot and Anthracnose	-	Madhya Pradesh
NRC-37 (Ahilya- 4)	Gaurav x Punjab 1	2001	93 (E) 2-2-2001	99-105	3500-4000	Moderately resistant to collar rot, bacterial pustule, pod blight and bud blight like syndrome		MP, Bundelkhand region of UP, Rajasthan, Gujarat, Western Parts of Maharashtra

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
NRC-4 (Ahilya)	....	2000	92 (E) 22-2-2001		3500-4000	...	21	Madhya Pradesh, Maharashtra, Rajasthan, Bundelkhand of Uttar Pradesh
NRC-7 (Ahila-3)	Selection from S69-96	1997	360(E) 1-5-1997	90-99	2500-3500	Resistant to bacterial pustules and Myrothecium leaf spots and tolerant to stem fly, girdle beetle, green semi-looper and defoliators	19	Madhya Pradesh
NRC-77		2010		DSR,Indore	2400	Resistant to charcoal rot, Rhizoctonia root rot and moderately resistant to RAB and BP		Southern zoneKarnataka, Tamil Nadu, A P, SouthMaharashtra
Palam Soya (30-1-1)	JS-72-451 x Punjab-1	2003	161 (E) 17-13/2003 ;122(E) 2-2-2005	114-133	2000	Resistant to frog eye leaf spot		Himachal Pradesh and Uttaranchal
Pant Soya - 1241	PK 1039 x PK327	2003	161 (E) 17-13/2003	121	1800-2000	Resistant to YMV, fungal complex and tolerant to Rhizoctonia.		Uttaranchal
Pant Soya - 1092	PK 327 x PK 416	2000	821 (E) 13-9-2000	118	3500	Resistant to yellow mosaic, Bacterial pustule, Cercospora leaf spot and tolerant to Rhizoctonia aerial blight	...	Uttar Pradesh, Uttaranchal

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Pant Soybean 1225 (PS 1225)	PK 515 x PK 327	2009		121	2200	Resistant to Yellow Mosaic Virus, Bacterial Pustules, Rhizoctina Aerial blight, Charcol rot	18	Uttarkhand
Pant Soybean-1024	PK 308 x PK 317	1997	360(E) 1-5-1997	115	2500-3000	Resistant to YMV, rust and bacterial pustules		Northern Plain Zone
Pant Soybean-1029	PK 308 x PK 317	1997	647(E) 9-9-1997	90-95	2500-3000	Resistant to YMV, rust, bacterial pustules and tolerant to Rhizoctonia		Southern Zone
Pant Soybean-1042	Bragg x PK 416	1997	360(E) 1-5-1997	110-119	3000-3500	Resistant to YMV, bacterial pustule and moderately resistant to Rhizoctonia aerial blight	22	Northern Plain Zone
Pant Soybean-471	Hardee x Punjab-1	1988	...	90-95	2500-3000	Resistant to bacterial pustules and Phytophthora		Southern Zone
Pant Soybean-564	(UPSM 534 x Ankur) x Bragg	1991	793(E) 22-11-1991	110-120	2500-3000	Resistant to YMV, and bacterial pustules, tolerant to Rhizoctonia.		Northern Plain Zone
Phule Kalyani (DS-228)	JS 335 x DS-181 (PI 4623133)	2004	1572 (E) 20-9-2006	95-100	2353	Less susceptible to soyabean rust	17	Maharashtra
PK-262	UPSM 97 x Hardee	1983	499(E) 8-7-1983	115-120	2800	Tolerant to yellow mosaic and bacterial pustules	-	Northern Hill and plain Zone
PK-267	UPSM 97 x Hardee	1983	499(E) 8-7-1984	120-125	2500	Tolerant to BP and YMV	22	Northern Hill and plain Zone

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
PK-308	T 31 x Hardee	1985	295(E) 9-4-1985	110	2600	Resistant to bacterial pustules	20-23	Northern Hill and Plain Zone
PK-327	UPSM 8312 x Semmes	1983	2(E) 31-1-1983	100-105	2300	Resistant to bacterial pustules	20-21	Northern Hill and plain Zone
PK-416	UPSM 534 x S 38	1986	258(E) 14-5-1986	115-120	3200-3800	Resistant to YMV, bacterial pustules, tolerant to Rhizoctonia.	23	Northern hill and plain Zone
PK-472	Hardee x Punjab-1	1986	258(E) 14-5-1986	100-105	3300	Resistant to bacterial pustules YMV	18-20	Central Zone
PK-564	UPSM 534 x S 38// Bragg	1991	793(E) 22-11-1991		3000	Resistant to BP and Moderately resistant to YMV	-	Northern plain Zone
Pratap Soya (RAUS 5)	Pusa 16 x JS 335	2002	122(E) 6-2-2005	96-104	3000-3500	Resistant to girdle beetle and moderately to stem fly and defoliators	19-20	North Eastern Zone
Pratap Soya-2 (RKS-18)	MACS-450 x Monetta	2007		92-95	3000-3500	Moderately resistant to Bacterial pustules, girdle beetle and leaf miner	18-20	Karnataka, Tamil Nadu, Maharashtra
PRS 1	Selection from EX-39094	2008		100	1730			High Altitude Uttarakhand
PS-19 (PS 1368)	PK 416 x PK 965		10/04/2013	117 to 125	2121	Resistant to major foliar diseases, YMV, Bacterial pustule& rhizoctonia aerial blight	20	Tarai Bhabarand hills ofUttarakhand
Punjab-1	Selection from Nanking variety	1975	440(E) 21-8-1975; 13 19-12-1978	95-100	2100	Susceptible to bacterial pustules	-	Central, northern plain and Hill Zones

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Pusa 9712 (DS 9712)	Induced mutation in the black seeded line DS 74	2004	1566(E) 5-11-2005	110-118	2250	Resistant to Yellow mosaic virus, bacterial pustule, charcoal rot Myrothecium leaf spot		All India
Pusa-16 (DS-73-16)	CNS x Lee	1987	834(E) 18-9-1987	105-115	2800	Resistant to Rhizoctonia, bacterial pustules, tolerant to YMV and major insect-pests.	21	Northern Plain and hill Zone, Northern Eastern Zone and Parts of M.P
Pusa-20 (DS-74-20-2)	Bragg x Lee	1988	10(E) 1-1-1988	110-120	2800	Resistant to Rhizoctonia & bacterial pustules, tolerant to YMV and major insect-pests.	-	Northern Hill Zone
Pusa-22	Punjab-1 x Clark 63	1983	...	110-120	2600	Highly tolerant to yellow mosaic, resistant to Rhizoctonia wilt and Alternaria blight and tolerant to bud blight	-	Northern plain, Northern eastern and parts of central Zone
PUSA-24 (DS-74-24-2)	Shelby x Bragg	1987	834(E) 18-9-1987	105-125	3300	Resistant to bacterial pustules, tolerant to Rhizoctonia, YMV and major insect-pests.	-	Northern plain, Northern hill Zone, Northern Eastern and parts of M.P.
Pusa-37	Bragg x Java 16	1985	...	110-115	2800	Susceptible to yellow mosaic, resistant to bacterial pustule, Rhizoctonia wilt and Alternaria blight	-	Northern Plain, Central and Southern Zone

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Pusa-40	8-3 x Lee	1981	...	95-100	2600	Susceptible to yellow mosaic, resistant to bacterial pustule, Rhizoctonia wilt and Alternaria blight and tolerant to bud blight	-	Southern Zone
Pusa-9814 (DS-9814)	Bragg x DS-93-MM-39	2006	1572(E)	104-134	2200-2300	Moderately resistant to stem fly	18	Punjab, Haryana, Delhi and Uttaranchal
RKS-24	PK-472 x PK 1024	2010	S.O. 283(E) 07/02/2011	95 to 98	2200-2400	Resistant to shattering, Rhizoctonia aerial blight and bacterial pastules.	21	Rajasthan
Shilajeeth	Selection from EC 9309	1980	470(E) 19-2-1980	100-105	2200	Resistant to bacterial pustules, tolerant to Rhizoctonia	20-22	Northern Hill and northern plain Zone
Shivalik (HIM SO-333)	Selection from segregating PK 73-55	1987	386(E) 15-5-1990	120-125	2500-3000	Resistant to yellow mosaic		Himachal Pradesh
SK 744			S.O.456(E) 16/03/2012		1840	Timely sown irrigated condition	21%	Northern Zone(Punjab)
SL-295	PK 416 x Pant Soybean 564	1997	647(E) 1-5-1997	125-130	2000-2500	Resistant to yellow mosaic virus	23	Punjab
SL-4	EC 7965 x Bragg	1984	596(E) 15-5-1990	100-105	1800	Filed tolerance to YMV	20	Northern Plain Zone
SL-525	PK416 x PK 1023	2004	1178(E) 20.7.2007	121	1523	Resistant to YMV and tolerant to stem blight and root knot nematode	22	North Plain Zone
SL-96	Botato x JS 3	1987	165(E) 6-3-1987	110-112	1800	Tolerant to yellow mosaic virus		Punjab

Variety /Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
TAMS-38	Monette x PK472	2004	122(E) 2-2-2005	95	2165	Resistant to leaf spots and Bacterial pustules, pod blight, yellow vein, mosaic virus. Moderately resistant to rust	19	Maharashtra
TAMS-98-21	250 Gy gamma rays mutant of JS 80-21	2007	122 (E) 6-2-2007		2200-2600	High yield potential. Pot shattering resistant. Resistant to major pest and diseases.	20	Maharashtra
Type-49	Selection from indigenous material	1978	13(E) 19-12-1978	125-130	2, 200	Susceptible to yellow mosaic, bacterial pustules and bud blight	20-22	Central Zone
VL Bhat-65	Local selection	2009		121	1128	Resistant to frog eye leaf spot, pod blight and leaf blight		Uttarkhand
VL-Soya 47	Selection from KHSF-3-1-1	2000	340 (E) 3-4-2000	122-125	2500-2700	Resistant/ tolerant to Anthracnose, Cercospora leaf spot, Bacterial leaf blight and Frog eye leaf spot. Tolerant Aphids	23	Hills of Uttaranchal and Himachal Pradesh
VL-Soya-1	Mutant of Bragg	1985	540(E) 24-7-1985	110-113	2000-2500	Tolerant to Cercospora leaf spot	21	Uttaranchal
VL-Soya-2	Selection from VHC 856007	1989	915(E) 6-11-1989	117	2500-2800		-	Hills of Uttaranchal, Himachal Pradesh, Jammu & Kashmir
VL-Soya-21	Selection from VHC 3055	1996	1(E) 1-1-1996	120-122	2500	Resistant to Cercospora leaf spot	-	Hills of Uttaranchal

26.4 Varieties and Hybrids in Sesame

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
AKT-101	N-62-10xR-19	2009		85-92	2200	Moderate resistant to Phyllody, Macrophomina root rot, bacterial blight	50	Summer season in Vidharbha region, Uttarkhand
AKT-64	N-128xC-50	2001	92(E) 2-2-2001	90	600	Tolerant to Macrophomina stem/ root rot, Phytophthora blight and moderately resistant to Phyllody, Medium tall. White seed	50	Kharif season in Vidharbha region
Brijeshwari	Selection from Kangra local	2001		85	500	Moderately susceptible to Powdery mildew	49	Himachal Pradesh
Co-1	TMV-3 x SL- 1878	1983	596(E) 13-8-1984	90	500	Moderately resistant to powdery mildew, phyllody	49	Tamil Nadu
D-7-11-1	Local selection from Dhule	1982	371(E) 29-5-1982	90-95	500	Brown seeds Moderately susceptible to Powdery mildew	51	Maharashtra
DS-1	Gulbarga local x JT-58-135	1997	647(E) 29-9-1997	85-90	400-500	Non-branching, tolerant to bacterial blight and Alternaria leaf spot. White seed	51	Karnataka
DS-5			2012		600-700	White bold seed	49-51	Kharif summer, Karnataka
E-8	Selection from local material of Northern Karnataka	1989	915(E) 6-11-1989	100	500	Moderately resistant to powdery mildew, resistant to bacterial leaf blight. White seed	53	Karnataka
Gouri	Selection from local material	1974	13 19-12-1978	85-90	600-650	Suitable for early kharif and summer.	50	Andhra Pradesh
Gujarat Til- 10	Selection from TNAU-17	2002	1566(E) 5-11-2005	105	750	Resistant to Powdery mildew	47.5	Gujarat

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Gujarat Til-1	Selection from TNAU- 17	1995	19(E) 14-1-1982	85	630	Resistant to leaf roller and bacterial blight	49.2	Gujarat
Gujarat Til-2	Gujarat Til-1 x TC-25	1994	408(E) 4-5-1995	85	790	Branched type, multi-capsules bearing, capsule opposite, capsules having hairiness.	50.2	Gujarat
Gujarat Til-3	Gujarat Til x AHT-85	2009		85	697			Sourashtra region of Gujarat
Gujarat Til-4 (GTil-4) (AT-159)	G. TIL-1 X RT-125	2010	S. O. 1708(E) 26/07/2012		750-800			Kharif, North Saurashtra Zone IV of Gujarat
Haryana Til 1	Selection from NP 6	1978	13 19-12-1978	80	500	Early maturing, dark green, long and thick leaves resistant to Phylloody and leaf curl. White seed	52	Haryana
HIMA (JCS 9426)	No. 5039 x AT-1	2006	SD.IV 17-10-06	75-80	700-1200	Tolerant to capsule borer and gall fly	48	Andhra Pradesh
HT9713 (HT2)			S.O. 952(E), 10-4-2013					Jammu and Kashmir, Punjabm HPm Haryana and Delhi
Jawahar Til PKDS-11 (Venkat)	Bichu local (improved) pirlene selection	2006	599(E) 25-4-2006	87	680-739	Moderately resistant to leaf borer and capsule borer	48	Andhra Pradesh, Tamil Nadu, West Bengal and Madhya Pradesh
Jawahar Til-12 (PKDS-12)	Mahaon local (Improved)	2009		80-85	900-1000	Resistant to leaf borer and capsule borer	50-52	Madhya Pradesh
Jawahar Til-14 (PKDS-8)	JLCS-58 x RT 288 PKDS-8 (8-14-12-2-1-5) pureline selection	2009		88	700-1000	Resistant to leaf roller/ capsule borer and powdery mildew		Madhya Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
JCS-94 (Chandan)	T-85 x L-5107	2002	161(E) 4-2-2004	85	800	Tolerant to Phylloidy, Bacterial Blight and other diseases, branching type. Brown seed	50	Andhra Pradesh (For all seasons i.e. <i>Kharif, rabi</i> and semi- <i>rabi</i>)
JLT-408 (JL-S-9848-2)	PADMA X YUZH1 -8	2012	S. O. 2125(E) 10/09/2012	81 to 85	700 to 800	Moderately resistant to phylloidy, cercospora leaf spot, alternaria leaf spot, macrophomina stem/root rot and powdery mildew.	51-53	Assured rainfall zone of Khandesh and adjoining areas of Vidharba, Marathwada region
JT-7 (Kanchan Tii)	Selection from uniform bulk of NP 6 x Punjab Tii & SH-446.	1978	19(E) 19-12-1978	85	880	Moderately resistant to Alternaria leaf spot	54	Madhya Pradesh
JTS-8	OMT-IOXTC-289	2001	1134(E) 15-11-2001	80	650	Capsules alternate, non hairy; flowers hairy, moderately resistant to Macrophomina stem/ root rot, Alternaria leaf spot, Phytophthora blight and Phylloidy, also resistant to capsule borer. White seed	52	Madhya Pradesh
Kalika (BM-3-70)	Mutant of Vinayak	1978	295(E) 9-4-1985	82	600	Resistant to lodging. Light brown seed	52	Orissa
Kanak	Vinayak x T-4	1978		78	600	Resistance to lodging	44	Orissa
Kayamkulam-1	Selection from Kayamkulam selection	1980	599(E) 25-4-2006	75-80	500	Moderately branched, with narrow oblong capsule, tolerant to drought and Phylloidy. Brownish black	52	Kerala

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Kayamkulam-2	PT-5 8-3 5 x Kayamkulam-1	1978	19(E) 19-12-1978	80-85	636	Resistant to drought	55	Kerala
Krishna	M-3-2 x Venezuela 17/4	1986	386(E) 15-5-1990	85-90	750	Tolerance to Alternaria leaf spot and capsule borer. Black seed	46	Bihar
Madhavi	Selection from local germplasm	1978	470(E) 19-2-1980	70-75	400-450	Early maturing variety.	50	Andhra Pradesh
Mrug-1	Local selection	1984	596(E) 13-8-1984	81	465	Dirty white	53	Gujarat
MT-75 (Pragati)	JLT-26x RT-127	2002	283(E) 12-3-2003	88	600-800	Resistant to Phyllody, leaf curl & powdery mildew, moderately resistant to Phytophthora blight, Macrophomina stem/root rot, capsule borer budfly	50	Haryana, Rajasthan, UP, Bihar, Chhattisgarh, AP, Karnataka, Maharashtra and Gujarat
N-128	Local selection	1983	2(E) 3-1-1983	120	450	Mono-capsular habit	53	Maharashtra
N-32	Selection from local material of Chhatapur distt.	1970	499(E) 8-7-1983	90-100	770	Moderately resistant to leaf spots, resistant to gallfly and capsule borer	53	Madhya Pradesh
N-58-2		1982	371(E) 29-5-1982	105	500	White seeded	54	Maharashtra
N-8	Selection from local Borl til	1983	2(E) 3-1-1983	125-130	500	Brown Tinge colour seed	51	Maharashtra
OS-Sel-164 (Nirmala)	Mutant of B-67	2002	283(E) 12-3-2003	86	800-900	Tolerant to Phyllody and wilt, resistant to bacterial leaf spot and powdery mildew, moderately resistant to stem/root rot. Alternaria leaf spot. White seed	41.2	Orissa

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Padma (JLT-26)	Phule Til-1 xN-32.	1991		72-75	600-700	Moderately resistant to Macrophomina stem/ root rot	50	Maharashtra
Paiyur-1	Six white 2511 x SI-2314	1996		79	965	Tolerant to Macrophomina stem/ root rot	53	Coastal districts of Tamil Nadu
Patna-64		1984	596(E) 13-8-1984	81	350	Dirty white	49	Gujarat
Phule Til-1	D-7-I-IxN-58-2	1978		90-95	500-600	Bold seeded. White seed	50	Maharashtra
Prachi (ORM 17)	Mutant of Tilttama (B-67)	2002	161(E) 4-2-2004	95	850	Moderately resistant to stem/root rot and phyllody	42	Orissa
Pratap (C-50)	Selection from local collection of Kota distt.	1971	2446 17-6-1971	100-105	500	Dull White seed	50	Rajasthan
Punjab Til-1	Selection from local material from Konara	1971	5505 20-10-1971 440(E) 21-8-1975 13 19-12-1978	80-85	700	Tolerant to Phyllody and White seed	50	Punjab
Purva-1	Selection from local material of Gujarat	1984	596(E) 13-8-1984	120	500	Multi-capsular variety.	50	Gujarat
Rajasthan Til 351 (RT 351)	NIC 8409 X RT 127		25/03/2011		700-800	Resistant to Macrophomia, Leaf curl, Phyllody, Moderately resistant to cercospora & capsule borer	48-50	

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Rajeshwari	Selection from N-62-39	1988	599(E) 31-7-1989	85-90	500 (Kharif) 700-800 (Rabi-summer)	Medium height, 2-3 effective branches bearing capsules from the middle of the plant height, tolerant to stem rot and powdery mildew.	47	Telangana region of AP, rainfed condition / summer season
Rama (Imp. Sel.5)	Selection from 'Khosla' local	1989		85-90	1000-1500	Resistant to Alternaria, Phyllody and hairy caterpillar Reddish brown seed	45	West Bengal
RT-103	C-7 x A6-5	1994	408(E) 4-5-1995	75-88	600-800	Tolerant to Alternaria stem & root rot, bacterial leaf blight & Phyllody and good level of resistance against insects	48	Rajasthan
RT-125	Type-13 x RT-I	1994	408(E) 4-5-1995	71-83	600-900	Tolerant to Alternaria stem & root rot, Alternaria leaf spot, bacterial leaf blight & Phyllody. White seed	49	Rajasthan, Punjab, Haryana, Western UP
RT-127	SI 3500 x Patan 54	2001	92(E) 2-2-2001	85	750	Bold seeds, drought hardy, tolerant to Macrophomina stem/ root rot, Phyllody, bacterial leaf spot, powdery mildew, gallfly and mites White seed	51	Rajasthan

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
RT-346 (Rajasthan Til)	RT 127 x HY 24			69-96	733	Resistant to phyllody and leaf curls and moderately resistant to capsule borer	50.2	Rajasthan, Haryana, Himachal Pradesh, Punjab, Gujarat, Maharashtra, Karnataka, Western Uttar Pradesh
RT-46	T-12 x Punjab Til-1	1990	639(E)/17-8-1990	76-85	600-800	Resistant to dreaded oozing complex and tolerant to Alternaria rot, Alternaria and gall fly.	49.4	Rajasthan, Punjab, Haryana, Western UP
RT-54	A6-3 x ES 6-1	1992	860(E) 25-11-1992	73-83	600-800	Resistant to leaf blight, Alternaria stem & root rot, tolerant to Alternaria gall fly	44.1	Rajasthan, Gujarat, Maharashtra, Andhra Pradesh
Sarada	YLM 17 x PS 202	2008		80-85		Resistant Macrophomina stem/ root rot		Andhra Pradesh
Shekhar (SH-446)	T-4 x T-12	2001	1134(E) 15-11-2001	80-85	700-800	Moderately Resistant Macrophomina stem/ root rot, Phytophthora blight, powdery mildew and tolerant to leaf curl and budfly	49	Bundelkhand in UP
Shubra (OSC207)			S.O. 268(E)/28-1-2015		800-900	Golden yellow bold seed, delayed shattering, synchronous maturity	48-52	Odisha
Smarak (OSC 560)			S.O. 268(E)/28-1-2015		800-900		46-50	Odisha (Kharif, summer)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Soma	Selection from Type-38 (Punjab)	1985		80-85	700	Multi-loculed, determinate plant type, tolerant to leaf spot disease. White bold seed	51.2	Summer rice fallows (Kerala)
Surya	Selection from Type No. 42-1	1985		87	700	Multi-loculed, tolerant to leaf spot and Phyllody diseases, eight locules, suitable for <i>rabi</i> upland as inter crop Grey seed	51.4	Summer rice fallows (Kerala)
SVPR-1 (TSS-6)	Selection of Western Ghat (TN)	1993	615(E) 17-8-1993	84	800	Tolerant to Phyllody, Alternaria leaf spot, 4 loculed. White seed	50	Southern Tamil Nadu
Swetha Til	E-8 x IS- 13	1997	425(E) 8-6-1999	80-85	<i>Kharif</i> 650 <i>Rabi</i> summer - 1100	Determinate, tolerant to gallfly, capsule borer, Phyllody, leaf curl and powdery mildew. White seed	51	Telangana in A.P. for late <i>kharif</i> rainfed and <i>rabi</i> summer situations
Tapi (JLT-7)	N-58-2xC-50	1987	471(E) 5-5-1988	80-85	600-700	Bold seeded, early maturity. White seed	50	Maharashtra
Tarun	T-13 x HT-37	2005		90	533	Moderately resistant to diseases and pests	55	Rajasthan, Uttar Pradesh, Maharashtra, Andhra Pradesh, Karnataka, Bihar
TC-25	EC-7 x TS-24-I	1977	499(E) 8-7-1983	80-85	700	Moderately tolerant to diseases and pests. White seed	48.4	Punjab
TC-289	Punjab Til-1 xEC-4619	1985	10(E)/1-1-1988	90-100	700	Tolerant to macrophomina stem/ root rot	51.6	Punjab

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Thilak	Pureline selection from North Kerala local	1998	599(E) 25-4-2006	84	648	Highly branched type, suitable for both rice fallows and <i>rabi</i> uplands, tolerant to moisture stress Blackish Brown	51	Summer rice fallows (Kerala)
Thilarani	Thilak x Kayamkulam 1	2002	599(E) 25-4-2006	80	580	Moderately resistant to powdery mildew	51	Kerala
Thilathara	CST-785xB-14	1999	599(E) 25-4-2006	78	650	Resistant to powdery mildew	52	Summer rice fallows, Kerala
Thilothama	PT-5 8-3 5 x Kayamkulam-1	1982		80-85	600	Multi-capsuled, shy branching and tolerant to phyllody. Brown bold seed	46	Rice fields in Kerala
Tilottama (B-67)	Selection from local material (Jimardi Ducca-2)	1981	596(E) 13-8-1984	75-80	800-1000	Resistant to Alternaria, Phyllody and hairy caterpillar. Blackish Brown seed	40	West Bengal
TKG-21 (JT-21)	Punjab Til-1 x TC-25	1993	615(E) 17-8-1993	75-78	500-690	Tolerant to Alternaria bacterial and Alternaria leaf spot.	55	Eastern UP, Madhya Pradesh, Bihar, Orissa, WB and NE states
TKG-22	HT-6 x JLT-3	1994	408(E) 4-5-1995	76-81	600-700	Resistant /tolerant to Phytophthora blight	53	Eastern UP, Madhya Pradesh, Bihar, Orissa, WB and NE states
TKG-306	CST-785 x TKG-22	2006	SD.IV 17-10-06	80	408	Resistant to Phytophthora blight, phyllody and moderately resistant to Macrophomina, cercospora, powdery mildew	50	Madhya Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
TKG-308	JLT26 x JLT7	2008		82	660	Moderately resistant to Macrophomina, Cercospora Bacterial leaf spot and leaf curl	50	Madhya Pradesh
TKG-55 (JT-55)	TC-25xTNAU-10	1998	425(E) 8-6-1999	76-78	630	Tolerance to Phytophthora blight	52.6	Eastern UP, Madhya Pradesh, Bihar, Orissa, WB and NE states
TMV-3	Local x Malabar wild	1968	165(E) 6-3-1987	80	600	Tolerant to leaf miner. Black seed	48	Tamil Nadu, Karnataka, Andhra Pradesh
TMV-4	Selection from variety sattur local of Tamil Nadu	1976	295(E) 9-4-1985	88	650	Moderately resistant to Macrophomina stem/ root rot	51	Tamil Nadu
TMV-5	Pure line selection from Sivangundam	1978	19(E) 19-12-1978	75-80				
TMV-6	Selection from local material of AP	1978	19(E) 19-12-1978	88	460	Tolerant to drought. Brown seed	49	Tamil Nadu
TYPE -13	Selection	1967	CVRC 13 19-12-1978	90-95	400-700	Tolerant to lodging. White seed	47	Bundelkhand in UP and MP
TYPE-12	Selection	1962	CVRC 13 19-12-1978	85-90	400-700	Tolerant to Phyllody & leaf curl. White seed	47	Central & Western UP
TYPE-4	T-10xT-3	1959	CVRC 13 19-12-1978	85-90	400-600	Drought susceptible, heavy soils not suitable. White seed	51	For alluvial soils of UP

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
TYPE-78	NP-6 x T-4	1993	408(E) 4-5-1995	80-85	600-800	Resistant to lodging, tolerant to Phyllosticta & leaf curl diseases. White seed	50	Uttar Pradesh
TYPE-85	Selection from Kopergaon 5-9	1962		90-95	500	4 loculed capsules. White seed	51	Maharashtra
Uma ((OMT) 11-6-3	Mutant of Kanak	1990	860(E) 25-11-1992	75-80	603	Non-shattering. Pale White seed	51	Orissa
Usha	Mutant of Kanak	1989		70-75	700	Tolerant to foliar diseases Biscuit colour and Alternaria.	47	Orissa
Vinayaka (SEL-140	Selection from Matnasani local	1972	280(E) 13-4-1989	80	500	Tolerant to leaf spot.	49	Orissa
VRI (SV)-1	Selection from local material	1996	360(E) 1-5-1997	90	600	Moderately resistant to powdery mildew	48	Tamil Nadu
VRI (SV)-2	VS 9703, Vs 9003 x TMV 6	2005	599(E) 25-4-2006	80-85	700	Moderately resistant to Phyllosticta, root rot and shoot webber	51	Tamil Nadu
YLM -11 (Varaha)	Vinayaka x Kanak	1993	408(E) 4-5-1995	80-85	900-1000	Uniform maturity. Dark brown seed	53	Andhra Pradesh
YLM-17 (Gautama)	Vinayaka x Kanaka	1993	408(E) 4-5-1995	75	850-1000	Uniform maturity, tolerant to Alternaria leaf spot.	53	Andhra Pradesh
DSS-9	MUTANT OF PHULE TIL X E-8	2010	1708(E) 26/07/2012	90 to 95	700 to 800			Karnataka

26.5 Varieties and Hybrids in Sunflower

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
CO-1	V Selection	1983		65-70	600	Very early type	36	Tamil Nadu
EC 68415	V Introduction. Population	1972	1980	100-110	800-1000	Suitable for <i>Kharif</i> and <i>rabi</i>	40	Karnataka
EC 68414 PARA-DOVIK	V	1972	1980	100-110	800-1000	Suitable for late planting, drought tolerant	40	All India
Gujarat Sunflower 1	V	1995	408(E) 4-5-1995					
MLSFH-82	H	2002		90-95	1400-1500		40-41	All India
Morden	V Selection from Cernianka-66, Population	1979	1982	80-85	800-1500	Short duration variety	34-35	All India
BSH-1	H CMS- 234 A X RHA- 274	1980	1982	85-90	1000-1500	Resistant to rust and downy mildew	40-42	All India
RUMSUM RECORD	V		1982	105-110	1000-1500		41	Punjab
SURYA (PKV-SUF-72-37)	V Mass selection from Latur bulk Maharashtra state	1983	1983	90-95	800-1000	Black seeds with white stripes	32-35	Maharashtra
MSFH-1	H MHS 71 X MHR 48 (SINGLE CROSS)	1987	1987	85-90	1300-1500		39-41	Maharashtra, AP, Karnataka, TN
MSFH-8	H MHS 71 X MHR 57 (SINGLE CROSS)	1987	1987	90-95	1500-1800	Moderately resistant to rust, Alternaria	42-44	Maharashtra, AP, Karnataka, TN
NDSH-1 (NDSH-15)	H CMS-234A x 859R	2003		88-90	1400	Early hybrid	40	Andhra Pradesh
APSH-11	H CMS 7-1 A x RHA 271	1987	1988	95-100	1300-1500	Resistant to Alternaria and moderately resistant to rust	39-41	Maharashtra, AP, Karnataka, TN
MSFH-10	H MHS 41 X MHR 4	1988	1988	90-95	1600-1800	Resistant to rust and other foliar diseases	40-42	All India

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
MSFH-17	MHS 79 X MHR 46	1987	1989	90-95	1500-1800	Moderately resistant to rust, Alternaria	35-38	Maharashtra, AP, Karnataka, TN
LSH-1LD MRSH-1	CMS 338A X MRHA-11	1988	1991	85-90	800-1400	Resistant to downy mildew	34-36	Marathwada region of Maharashtra
LSH-3LD MRSH-3	CMS 207A X MRHA-1	1988	1991	95-98	1400-2200	Resistant to downy mildew	35-38	Marathwada region of Maharashtra
KBSh-1	CMS 234 X RHA 6 D-1	1992	1992	90-95	1500-2000	High yield with high oil. Resistant to rust, downy mildew and tolerant to head borer	40-42	All India
PSFH-67	234 AX P 35 R	1993	1993	90-95	1000-1500	Spring season	38-40	Punjab
SS-56	Selection from EC-100106	1994	1994	82-88	800-1400	Early maturity, Resistant to downy mildew	34-36	Maharashtra
GAUSJF 15 (Guj. Sun-1)	Selection through Mutation Breeding	1994	1995	92-98	1200-1800	Medium duration Tolerant to Alternaria leafspot and rust	35-39	Gujarat
TNAU-SUF-7 (CO-4)	Derivative of dwarf X Surya	1994	1995	85-90	1000-1700	Susceptible to Alternaria leaf spot	38-41	All India
Jwalamukhi	SF OIA/SF OIR.	1995	1996	95-115	2500-2800	Resistant to leaf rust, MR to Alternaria leaf spot and tol. to jassid	40- 42	All India
PKVSF-9 (AKSF-9)	Selected from Canadian gene pool	1995	1996	82-85	1200-1300	Moderate resistant to downy mildew and Alternaria leaf spot	38-40	Vidharba region of Maharashtra
PKVSH 27	CMS-2A X AK-1R	1995	1996	80-85	1300-1600	Moderate resistant to downy mildew Alternaria leaf spot and rust	38-40	Vidharba region of Maharashtra
TNAU-SUF-10 (CO-3)	Mutant from CO 2 (5KR of gamma rays)	1993	1997	85-90	1000-1300	Moderately resistant to leaf hopper, head borer ash weevil and diseases Alternaria and rust	38-40	Tamil Nadu

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
DSH-1	DSF-15A X RHA 857	1997	1998	85-87	1600-2000	Resistant to downy mildew, tol. to jassids	36-39	Karnataka
PAC-1091	(1091 A X 1091 B) X 1091 R	1997	1998	95-100	1700-1800	Tol. to alternaria, rust & downy mildew	37	All India
PAC-36	(36 A X 36B) X 36R	1997	1998	85-87	1200-2000	Resistant to downy mildew, Tol. to downy mildew	36-39	All India
SUNGENO-85	2 A X 45 R.	1998	1998	85-90	1500-2000	Res. to downy mildew, tol. to Alternaria and rust	38-40	All India
LS-11 (Sidheswar)	Selection from germplasm line EC-689099	1999	1999	80-85	1200-1400	Tolerant to downy mildew, rust and Alternaria	36-39	Maharashtra
TCSH-1	CMS 234 A X RHA 272	2000	2000	85-90	1800-1900	Tolerance to rust, Alternaria leaf spot, Jassids and white fly	37	Tamil Nadu
MLSFH-47 (AH-11-34)	8A XR-52	2000	2001	85-100	2200-2500	Res. to downy mildew, tol to rust, Alternaria leaf spot, Jassids and head borer		Maharashtra, AP, Karnataka, Tamil Nadu
KBSH-44	CMS 17 A X RHA 95-C-1	2003	2003	90-95	1700-2000	Early maturity, Resistant to downy mildew	36-38	AP, Karnataka, Tamil Nadu
PSFH-118	CMS-10A X P-61-R	2002	2004	92-95	1500-2800	Resistant to Basal stem rot and Head rot. Tolerant to Heliothis and white flies.	38-41	Punjab
SH-416	CMS 8 X RH 6-4-1(SINGLE CROSS)	2003	2004	95-100	1500-1700	Resistant to downy mildew and virus under field condition		Gujarat, Maharashtra, AP, Karnataka, Tamil Nadu
DRSF-108	Selection form GP lines gene pool	2003	2005	95-100	1200-1400	Moderate resistant to downy mildew	36-39	All India
KBSH-42	CMS-851 AX RHA 95-C-1	2002	2005	88-92	1400-2500	Tolerant to Moisture stress	39-41	Karnataka

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
KBSH-41	CMS- 234 A X RHA 95 – C-1	2002	2005	90-95	1000-1700	Tolerant to Moisture stress	40-42	Karnataka
PRO -009	SFOO3A x SF002R	2004	2005	85-90 Highly tolerant to downy mildew disease	1500-1800	Moderately tolerant to insect-pests of sunflower	40-42	Maharashtra, AP, Karnataka, Tamil Nadu
HSFH-848	CMS-91A X RHA 298	2002	2005	95-100	1200-1500	Resistant to Alternaria Helianthus and Rhizoctonia bataticola	40-42	Haryana
DRSH-1 (PCSH-243)	ARM- 243 A X 6D-1	2005	2006	95-105	1300-1600	High oil hybrid	42-44	All India during rabi-summer
LSF-8	Interspecific cross derivative H. tuberosus X Morden	2006	2007	90-95	1300-1600	Tolerant to downy mildew, rust and Alternaria	36-39	Maharashtra Kharif
CO-5 (COSFV-5)	Gene pool of H. annuus X H. praecox	2006	2007	100-105	1300-1500	Moderate resistant to Alternaria leaf spot, rust, and SND	39-40	Tamil Nadu
DRSF-113	Selection from GP lines gene pool		2007	90-98	1200-1500		36-39	All India
TAS-82	Mutant of surya		2007	90-95	800-1300	Tolerant to thrips, white fly, necrosis and leaf hopper	38-40	Maharashtra Vidharbha Kharif
LSFH-35 (Maruti)	CMS-234A X RHA-1-1	2003	2008	95-100	1600-1900	Resistant to downy mildew	36-38	Maharashtra
RSFH-1 (Tunga)	CMS 103A X R-64 NB	2004	2008	95-100	1300-1600		40-41	Karnataka
KBSH-53	CMS 335 A X RHA 95-C1	2009	2009	95-100	1200-1700	Tolerant to Powdery mildew	40-42	Karnataka

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
PAC 334	334 A X 334 R		2009	100-105	1700-1800	Res. to downy mildew and Tolerant to necrosis and Alternaria leaf spot	32	Maharashtra, AP, Karnataka, Tamil Nadu
PSH-569	CMS 234 X P69 R		2010	100	2000-2200	Moderately resistant to stem and headrot	40	Punjab
RSFV-901 (Kanthi)			2012	95-100	1200-1400	Tolerant to necrosis (Ilar group)		Karnataka
RSFH-130	CMS 104A X R-630		2012	95-100	1200-1500	Tolerant to necrosis	40	Karnataka
C0-2	derivative of multiple cross of Russian material		2012	85-90	1900-2200	Moderate resistant to Alternaria leaf spot, rust, and tolerant to thrips and leaf hopper	38-40	Tamil Nadu
Olisun 3794 (PAC 3794)	3794A X 3794R		2013	84-92	1594	Resistant to Downy mildew disease and highly tolerant to Necrosis, powdery mildew and Alternaria Disease	High oleic content	MS, TN, KK, AP under both rainfed and irrigated (both <i>Kharif</i> and <i>rabi</i>)
MDSFH-411 *	1105A X 704 R		2013	87	1865	Resistant to Downy mildew disease and tolerant to powdery mildew and white fly	34.66	All India

26.6 Varieties and Hybrids in Linseed

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
BAU-204-1	Victoria x EC 2796	1990		135-140	1221 (Seed)/ 681 (Fibre)	Duel purpose variety resistant to rust and tolerant to Alternaria blight	42	Uttar Pradesh, Bihar and West Bengal
BINWA (KL-210)	Flak -1 x SPS-47/7-10-3	2004	122(E) 2-2-2005	176-180	700-1000	Resistant to rust and wilt and moderately resistant to Alternaria blight and powdery mildew	40	Himachal Pradesh, Haryana, Punjab, Jammu & Kashmir
C429	N3 x 1 P 135	1955	2(E) 3-1-1983	115	1000	Resistant to rust	44	Maharashtra
Garima (LHCK-39)	T126 x Neelum	1985	540(E) 24-7-1985	125-130	1228-1491	Resistant to rust and moderately resistant to powdery mildew, wilt, Alternaria	43	Uttar Pradesh (Excl. Bundeikhand), Bihar, WB and Assam
Gaurav (LCK 152) (Double purpose)	Selecion 3 x Ec1552	1986	834(E) 18-9-1987	137-140	1000(S) 900(F)	Resistant to rust, Tolerant to powdery mildew and Alternaria blight	43	UP (Excl.Bundeikhand) Bihar, WB and Assam
Himalini	K2 x Kangra local	1984	295(E) 9-4-1985	150-175	1300	Resistant to wilt, rust tolerant to powdery mildew	42	Punjab, HP, Haryana and Rajasthan
Hira	H432 x NP(RR) 9	1964	13 19-12-1978	132	1200	Tolerant to rust, wilt and drought	43	Bundeikhand of UP
Janaki	New river x LC216	1988			1100	Resistant to rust, wilt, powdery mildew	42	Himachal Pradesh
Jawahar -9	(RL102-7 x Q-7) x J-23	1999	425(E) 8-6-1999	140-145	1000(RF)/ 1200(IR)	Resistant to rust, rot, wilt and powdery mildew	44	Madhya Pradesh
Jawahar-1 (JLS (J)-1)	Selecion K29	1981	19(E) 14-1-1982	120	900	Resistant to rust	44	Madhya Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Jawahar-17	Selection of No.55	1982	19(E) 14-1-1982	117	300(R)/ 1300(I)	Tolerant to wilt PM	43	Madhya Pradesh
Jawahar-18					800(R)/ 1300(I)		43	Madhya Pradesh
Jawahar-23 (SPS-23-10)	EC9832 x Hira	1985	540(E) 24-7-1985	120-130	723-814	Resistant to powdery mildew, wilt and rust	44	Bundelkhand of UP, Madhya Pradesh, Rajasthan, MS, Orissa and Karnataka
Jawahar-552	No. 55 x R 67	1984	596(E) 13-8-1984	115	900	Resistant to rust and moderately resistant to powdery mildew	34	Madhya Pradesh
Jawahar-7	Selection No.55	1982	19(E) 14-1-1982		300(U)/ 700		43	Madhya Pradesh
Jeevan (DLP-21) (Double purpose)	Sumit x LC216	1987	10(E) 1-1-1988	175-180	1100(S) 1000(F)	Resistant to wilt, rust, powdery mildew	45	Himachal Pradesh, Punjab, Haryana, UP, Bihar, WB and NEH states
JLS-27 SUYOG (SLS-27)	(Kiran x KL 168) x Kiran	2004	161(E) 4-2-2004	118-125	1500	Moderately resistant to powdery mildew and rust		Madhya Pradesh, Chhatisgarh, Rajasthan, Maharashtra, Orissa and Karnataka
JLS-9	(RL 102 x R-7) x J-23	1999		115-125				Madhya Pradesh
K2	Kanpur local x Kangra local	1975	440 21-8-1975	170	1100	Resistant to rust and wilt	46	Punjab, Haryana and Himachal Pradesh
Kartika (IA 18)	Kiran x LCK 88062	2005	1566(E) 5-11-2005	98	1200-1400	Moderately resistant to rust, wilt, Alternaria blight and bud fly. Resistant to Powdery mildew		Chhatisgarh,

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Kiran (RLC-6)	(Afg8 xR1) x Afg8	1987	10(E) 1-1-1988	120-126	800	Resistant wilt, rust, powdery mildew, Tolerant to Alternaria and budfly	43	MP, Maharashtra, Karnataka, Orissa and Rajasthan
KL-210	Flak-1 x SPS/477-10-3	2002		118-123				Haryana, Punjab, HP, J&K
KL-224 (Baner)	EC-21741 x LC 216	2005	1177(E) 25-8-2005	171-203	422	Resistant to rust, moderately resistant to Alternaria and powdery mildew	40	Haryana, Punjab, HP and J&K
Laxmi 27 (LMH 27)	Neelum/KP1/ Neelum/RR9/// Neelum/RI// Neelum/Afg8	1987	165(E) 6-3-1987	110-120	1200	Resistant to rust powdery mildew	45	Bundelkhand region of Uttar Pradesh
LC 2023					1126		40	
LC-185	MPRR37 x Kangra local	1970	440 21-8-1975; 13 19-12-1978	170	500	Tolerant to rust resistant to wilt	46	Himachal Pradesh and Punjab
LC-2063	1509 x LC 54	2007			1400-1500	Tolerant to Alternaria and aphids		Punjab
LC-54	K2 x Kangra local	1982	19(E) 14-1-1982	160	1300	Resistant to rust, wilt and powdery mildew	42	Punjab, HP, Haryana and adjoining Rajasthan
LCK-8528 (SHIKHA) (Double purpose)	Hira x CRISTA	1998	401(E) 15-5-1998	135-140	1200(S) 1000(F)	Resistant to rust, wilt and powdery mildew	42	Bihar, WB, Assam and UP (Excl. Bundelkhand)
LCK-9211	Gaurav x Janki	1998		150-160	1379		41	Himachal Pradesh, Punjab, Haryana, Jammu & Kashmir

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
LCK-9216 (RASHMI) (Double purpose)	Gaurav x Janaki	1999	1050(E) 26-10-1999	135-140	1003(S)/ 1033(F)	Resistant to rust, wilt, moderately resistant to Alternaria blight and budfly	42	Uttar Pradesh, Rajasthan, Bihar, Assam and West Bengal
LCK-9313 (Shekhar)	Laxmi 27 x EC 1387	1998	92(E)/2-2-2001	135-140	920(RF)/ 1555(IR)	Resistant to rust, powdery mildew and wilt	43	Uttar Pradesh, Bihar, Assam and West Bengal
LMS-4-27	(Shubrah x J1) x (J1 x Kiran)	2004		103				Maharashtra, CG, Orissa, AP
Meera (R1933) (Double purpose)	(RL-75-6-2 x RL-29-8) x LCK8528	2000	340(E) 3-4-2000	135-140	1600(S) 1200(F)	Moderately resistant to Alternaria blight, Resistant to rust, powdery mildew and wilt	42	Uttar Pradesh, West Bengal, Assam and Rajasthan
Mukta	H 626 x NP(RR) 9	1964	13 19-12-1978	127	1200		45	Eastern Uttar Pradesh
Nagarkot (KL-31) (Double purpose)	New river x Lc 216	1995	408(E) 4-5-1995	165-170	1200 (Seed)/ 1000 (Fibre)	Resistant to rust, powdery mildew	40	Himachal Pradesh, Punjab, Haryana, UP, Assam and West Bengal
Neela (B 67)	Local selection	1982	19(E) 14-1-1982	130	900	Resistant to bud fly	40	West Bengal
Neelum	T1/NP (RP)-9	1978	13 19-12-1978	140-145	1500	Resistant to rust and wilt	43	Central and Western Uttar Pradesh
NL 97	R-7 x RLC-4	2001	92(E) 2-2-2001	115-120	800-1000	Tolerant to drought, moderately resistant to rust, powdery mildew	42	Vidarbha region of Maharashtra
NL-142	R-7 x RLC-6	2004		118-123				MP, Rajasthan and Bundelkhand Region of Uttar Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Padmini (LMH-62)	(EC41628 x EC77959) x (DPL-20 x Neelum)	1999	1050(E) 26-10-1999	123	940	Resistant to rust, wilt and powdery mildew	43	Madhya Pradesh, Maharashtra, Rajasthan, Orissa and Uttar Pradesh
Parvati (LMH-16-5) (Double purpose)	(EC41628 x EC77959) x (DPL 20 x Neelum) x (EC216 x Hira) x (BR-1 x NP-440)	2000	92(E) 2-2-2001	140-146	1644 (S) 1035 (F)	Resistant to rust, powdery mildew and moderately resistant to Alternaria blight	41	Uttar Pradesh, Bihar, Rajasthan and Assam
PKV NL 260			2010		428(U)	Dwarf star shaped white flower, early maturity, light brown seed, moderately resistant to PM & rust	36.38	Himachal Pradesh, J&K, Uttarakhnad, Punjab and Haryana
Pusa-2 (L.S-2)	Selection from BS112	1984	295(E) 9-4-1985		1000	Resistant to rust	45	HP, Punjab, Haryana, Rajasthan, MP, MS, Karnataka and Orissa
Pusa-3 (L.S-3)	K 2 x T 603	1984	295(E) 9-4-1985	150	1300		45	Punjab, HP, Haryana and Rajasthan
R 552	No. 55 x B67	1984		118-125				Madhya Pradesh
RL-914	(RR9 x R93) x Flak 1 x LC-54	2002	937(E) 4-9-2002	130-137	1252 (R)	Early to medium duration variety	40.16	Bundelkhand of UP, MP and Rajasthan
RL-993		1998			1439(S)/ 1011(F)		42	Bihar, Uttar Pradesh, West Bengal, Assam and Rajasthan
RLC 78 (Deepika)	Kiran x Ayogi	2006						
RLC-4 (Jagadamba)		1995			600		46	Maharashtra
RLC-78 (Deepika)	Kiran x Ayogi	2006		112	1579	Moderately resistant to rust, wilt, Alternaria, bud fly. Resistant to Powdery mildew		

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
RLC-81 (Indiara Aisi)	Kiran x Ayogi	2004	1566(E) 5-11-2005	101-106	735-780	Moderately resistant to powdery mildew	39	Maharashtra, CG, Orissa and AP
RLU-6 (Pratap Aisi-1) (Double purpose)	Acc 750 x RL 29-8	2002	1703(E)	129-135	1900-2000	Resistant to rust, moderately resistant to powdery mildew, wilt and Alternaria blight	40-42	Rajasthan
Ruchi (LCK-5021)	GARIMA x LCK 88062	2008	07/12/2010	130 to 135	1366 to 1400			Assam , Jarkhand, UP, Bihar, West Bengal
S-36		1966			500		44	Maharashtra
Sharda (LMS-4-27)	Shubrahi/J1//J1/ Kiran	2006	1572(E) 20-9-2006	98-108	762	Moderately resistant to wilt, powdery mildew and bud fly	41	Chhatisgarh, Orissa, Maharashtra and Karnataka
Sheela (LCK 9211)	Gaurav x Janaki	2000	92(E) 2-2-2001	155-160	1379	Resistant to powdery mildew, rust and wilt	41	Himachal Pradesh, Haryana, Punjab and Jammu & Kashmir
Sheetal	Bengal 46 x R556 x Afg. 14	1994		150-160	824(RF)		43	Madhya Pradesh, Rajasthan, Uttar Pradesh, Karnataka, Maharashtra, and Orissa
SLS 67 (Shival)			2011		1366(S) 1055(F)		39.84	UP (Except BKD), Bihar,JKD, WB, Assam andNEH Region
SLS-27	(Kiran x KL 168) x Kiran	2004		118-125				Rajasthan, UP, MP, Maharashtra, Orissa, AP, Karnataka and CG
Subhara (LHCK-21)	Mukta x K2	1985		130-135	1157-1385		45	Uttar Pradesh, Bihar, WB and Assam
Surabhi (KL-1)	LC 216 x LC 185	1995	408(E) 4-5-1995	165-170	900-1000	Resistant to rust and powdery mildew	42	HP, Punjab, Haryana, and Adjoining of Rajasthan
Suyog (SLS-27)			2012		1600 (I)		40	MP limited irrigation facility

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Swetha (LHCK-131)	Mukta x T1206	1985	540(E) 24-7-1985	130-135	883-1286	Resistant to rust, moderately resistant to alternaria and powdery mildew	44	Bihar, WB, Assam and UP (Exl. Bundelkhand)
T-397	T491 x T1193-1	1960	596(E) 13-8-1984	120-125	1100	Moderately resistant to rust and wilt	44	Bundelkhand of UP, Bihar, Assam, MP and Rajasthan
Triveni	Chambal x Neelum	1993		120-125	1300(I)/ 1000(R)	Tolerant to wilt, powdery mildew	44	Rajasthan

26.7 Varieties and Hybrids in Niger

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Birsa Niger- 1	Composite (CH-26+N-122)+5+H-78-25+RCR-2	1995	1(E) 1-1-1996	95-100	600-700	Light pinkish stem at maturity, earliness. Light Black seed	40.7	Bihar
Birsa Niger-2 (BNS-8)	Local Selection	2005	122(E) 2-2-2005	96-100	700-800		35-38	Jharkhand, Madhya Pradesh, Chhatisgarh, Orissa, Karnataka and Andhra Pradesh
Birsa Niger-3 (BNS 11)	Local Selection	2009		98	581	No lodging and shattering	33	Jharkhand, Chhatisgarh, Madhya Pradesh, Orissa, Maharashtra, Andhra Pradesh
BNS-10 (Pooja-1)		2009			650-700	Duration 95-100 days, Shining black seed, Resistant to pests, diseases	36-38	All niger growing states
DNS-4		2012			500-600	Shining Black seed, robust growth habit	39-41	Kharif, Karnataka
GA-10 (Deomali)	Selection from local material (Orissa)	1992	86(E) 25-11-1992	115-120	450	Dark Black seed	42	Tribal areas of Orissa
GA-5	Selection from local material of Semiliguda	1990		120-125	400	Dark Black seed	39	Tribal areas of Orissa
Gujarat Niger - 1	Selection from local material	2001		95-100	700	Black seed	40	Niger growing areas of Gujarat
IGP-76	Selection from population of N-12-3	1985	295(E) 9-4-1985	100-120	475	Black seed	40	Maharashtra
IGPN-2004-1, (Phule Karala-1)		2010			650-700	Duration 95-100 days, Shining black seed, Resistant to Alternaria, powdery	39-41	Kharif season in MS and Karnataka (High rainfall areas of Maharashtra)

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Jawahar Niger Composite-1		2006			650-700	Duration 90-100 days, Blackseed	38-40	MP, MS, Bihar, Rajasthan and Karnataka
JNC-1	Derived from Composite-1, Chilkapura, Ghoti No.2, IGP1+2+3, IGP 72, RCR-18 and Ootacmund	2006	1572(E) 20-9-2006	95-102	600	Black seed	38	Madhya Pradesh
JNC-6	Composite (No.-5 + DN-36+UN-4 +BNS-I+No.71+CHH-7+Phule-4 +RCR-238)	2002	937(E) 4-9-2002	95-100	500-600	Higher tolerance to Cercospora and Alternaria leafspot	40	Madhya Pradesh, Bihar, MS, Karnataka and Rajasthan
JNS-9	Selection Mandla local	2006	599(E) 25-4-2006	95- 100	550-700	Tolerant to niger caterpillar, semi-looper and hairy caterpillar	39	Madhya Pradesh, Bihar, Maharashtra, Karnataka and Orissa
KBN-1	Improvement of Kanakapura local	2009		80-90	400-600	Resistant to Alternaria leaf spot	37	Karnataka
N-5	Selection from Local material of MS.	-		95-100	450	Black Small seed.	40	Maharashtra
N-5		2001			600-650	Duration 95-100 days, Smallblack and sickle shaped seed	36-39	Bihar and Maharashtra
No/71	Selection from local material of Raichur	1991		105	450-500	Bold Black seed.	42	Karnataka
NRS-96-1	JLSF-103 x Gmu-2160	2003	122(E) 2-2-2005	94	300-350	Black seed	39	Rajasthan, Gujarat, Maharashtra and Karnataka
Ootacmund	Selection from indigenous material	1991	527(E) 16-8-1991	105	600	Plant height 120-140, light-green foliage, semi-spreading, stem colour purple to green with purple tinge on the stem here and there.	40	Madhya Pradesh

Variety/ Hybrid	Pedigree	Year of release	Year of Notification	Maturity (days)	Yield (kg/ha)	Salient Features	Oil Content (%)	Area of Adaptability
Paiyur-1	Selection from local material	1997	647(E) 9-9-1997	90	500	Black seed	40	Tamil Nadu (Hilly region)
Phule Karala-1 (IGPN-2004-1)	Local Selection	2009		90-105	400-600	Resistant to Cercospora leaf spots, Alternaria leaf spot. Powdery mildew and root rot		Maharashtra, Karnataka
Puja		2003		96-100	600	Black seed	39	Bihar
RCR-317	Selection from local material of Karnataka	1988	1135(E) 1-12-1988	90	450	Black seed	40	Karnataka
Srilekha		1999		87	500	Black seed	43	Karnataka
Utkal Niger-150		2011			650-700	Duration 105-110 days, Blackseed, Tolerant to Alternaria, Cercospora, cuscuta	38-40	Odisha

26.8 Varieties and Hybrids in Safflower

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
A-1	A-482-1 X A-300	1969	1978	125-130	1200-1500	Moderately resistant to wilt, aphid	28	Karnataka, Bihar, Orissa, Rajasthan
A-300	Selection from local bulk	1957	1978	115-130	1500-1800	Moderately tolerant to wilt	28-30	Karnataka
CO-1	Sel. P1250528	1979	19(E) 14-1-1982	110	1100	Non-spiny	33	Tamil Nadu
Girna (JLSF-88)	A 1 x G 1254	1990	814(E) 4-11-1992	127	1800	Moderately tolerant to wilt	31	Khandesh region of Maharashtra
HUS-305 (Malaviya Kusum)	Sel. From germplasm	1986	471(E) 5-5-1988	165	1500	Tolerant to salt and wilt	36	Uttar Pradesh
JLSF-414 (Phule Kusuma)	JLSF-103 x GMU -216 (a)	2003	122(E) 2-2-2005	125-140	1200-1500 (R)	Tolerant to moisture stress	28-29	All India
K-1	Sel.N 852	1969		110	900	Moderately tolerant to wilt	30	Tamil Nadu
MRSA 521		2006		120-130	1000-1500 (R); 2200-2500 (I)	Resistant to wilt and tolerant to Alternaria and aphids	27	All India
N-62-8	Selection from local	1982	371(E) 29-5-1982	130	650		30	Maharashtra
N-630	Selection from local	1942						Maharashtra
Nagapur-7	Selection from local	1983	2(E) 3-1-1983	145	700		31	Maharashtra
NARI-38	Hus-305 x Manjira	2007		129-140	2038	Resistant to wilt (Fusarium oxysporum)	28	Maharashtra
S-144	GMU 372	1976	1978	128	1000-1500	Tolerant to aphid	29.5	Karnataka, Bihar
TYPE - 6503	Developed by selection	1977	1978	170-190	1200-1400	Moderately tolerant to aphid	28	UP

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
TARA (143-20)	A derivative of cross N 62-8 X carthm s palcesthim m.	1978	1978	120-125	1000-1200	Erect growth	28	Maharashtra
MANJIRA	C-438	1976	1978	120-125	1000-1100	Moderately tolerant to aphid	28	AP
Bhima	A-300	1982	1982	135-140	1400-1600	Moderately tolerant to aphid	28-30	Western Maharashtra
S-4	Developed by selection from population of A-300 variety		1983	130-140	1200-1500	Moderately tol. to aphid	28	
JSF-1	Sel.IC 11839	1984	1987	140-145	1500-1600	Moderately tolerant to aphid	28-30	Madhya Pradesh, Chhattisgarh
NIRA (NRS- 209)	NS 1572 X EC 32012	1986	1987	120	1300-1500	Tolerant to slat and wilt	28	Maharashtra
MALVIYA KUSUM 305 (HUS-305)	Germplasm identity no. unknown	1986	1988	132-150	1100-1300	Tolerant to slat and wilt	36	UP, West Bengal
Sagar mutyalu (APRR-3)	EC-27250 (SF-429)	1985	1988	115-125	1000-1300	Res. to rust	28	AP
JSI-7	Sel. JSF-1909	1990	1991	142-147	1300-1400	Non-spiny	28	Madhya Pradesh and Chhattisgarh
Girna (JLSG-88)	A1 X G1254	1990	1992	130-135	1500-1800	Moderately resistant to wilt	28-30	Khandesh of Maharashtra
Sharda (BSF-168-4)	Sel. No. 168	1990	1993	125-130	1200-1800	Moderately resistant to aphid and wilt	29	Marathwada region of Maharashtra
A-2	(A-1 X 166-6) X 328	1997	1997	120-125	1200-1700	Non-spiny, moderately resistant to rust and powdery mildew, tolerant to aphids	31	Karnataka

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
MKH-11	MS-5008 X NMK-3480	1997	1998	120-125	2200-3500	Moderately tolerant to wilt, Alternaria and aphid	28	All India
DSH-129	MS 9(O) X A1	1997	1998	120-125	2200-3500	Resistant to wilt, Moderately tolerant to Alternaria and aphid	30	All India
JSI-73	JSI-42 X JSI-7	1997	1999		1400-1500	Non-spiny, moderately resistant to rust, powdery mildew, wilt and aphid	31	Madhya Pradesh, Chhattisgarh
NARI-6	CO-1 X JL-6	2000	2001	126	1000-1100	Non-spiny, moderately tolerant to wilt	30	All India
NARI-NH-1	MMS X C2829-5-3a-6	2002	2002	127	1500-1900	Non-spiny, Moderately resistant to Alternaria, wilt and aphid	30	All India
Phule Kusum (JLSF-414)	JLSF- 103 X GMU -216 (a)	2003	2005	125-140	1200-2200	Tolerant to moisture stress	28-29	All India
JSI-97	NS133-1 X JSI-62	2004	2005	130-135	1500-1600	Non-spiny, tolerant to aphid, wilt and Alternaria	30	Madhya Pradesh, Chhattisgarh
NARI-H-15	MSV -10-1-5 X GMU-2369	2005	2006	126-129	2000-2200	Tolerant to aphid	28	All India
JSI-99	MEXICAN DWARF X BH-5	2004	2006	115-120	1100-1500	Tolerant to aphid, Rust and Alternaria	28-29	Madhya Pradesh, Chhattisgarh
Parbhani kusuma (PBNS-12)	PBNS -9-97 X PI 248567	2001	2007	135-140	1500-2000	Moderately tolerant to aphid, Alternaria	29	Maharashtra

Variety/Hybrid	Pedigree	Year of release	Year of Notification	Days to Maturity	Yield (kg/ha)	Salient Features	Oil Content (%)	Recommended Regions/Areas
PBNS-40	Irrigated material from C-40. PRO.3	2006	2007	118-128	1500-1600	Non-spiny, Moderately tolerant to Alternaria wilt, aphid	27	All India
AKS-207	((BHIMA X TARA) X N 7) X ((AKS 15 X A1) X AKS -68))	2006	2007	120-135	1400-2000		30	Vidarbha region of Maharashtra
SSF-708	NARI-2 X JSI -99		2012	115-120	1300-2200	Moderately tolerant to aphid	29	Western maharashtra
PKV-Pink (AKS 311)	NARI-6 X JLSF-344		2013	135-140	1500	Moderately tolerant to wilt	30	Vidharbha region of Maharashtra
NARI -H-23*	TMS -3-1-9-1 X D-152-12		2014	114-156	1710	Tolerant to wilt and aphids	31	Ms, KK,MP, Chattisgarh, Rajasthan, WB
NARI-57	Carmex X C-2829-5-2		2015	118-151	1500	Resistant to wilt	29	MS, KK,MP, WB, Rajasthan, UP, Punjab, Jharkhand
TYPE-65	Local Selection	1977		120	1200(R)	Moderately tolerant to aphid	33	Uttar Pradesh

26.9 Varieties and Hybrids in Castor

Variety/Hybrid (2)	Pedigree (3)	Year of release (4)	Year of Notification (5)	Days to Maturity (6)	Yield (kg/ha) (7)	Salient Features (8)	Oil Content (%) (9)	Recommended Regions/Areas (10)
Aruna	V A INDUCED MUTANT OF H.C. 6	1976	1976	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	AP, Karnataka, Orissa, Rajasthan
Bhagya (R-63)	V High oil line x MI 415	1978	13 19-12-1978	120-150	1000	Tolerant to white flies and jassids	51	Andhra Pradesh
CO-1	V Selection from Anamalai local				2 kg/Tree	Bold capsule, perennial type	49	Tamil Nadu
Eb-16-A	V			220	1400 (R)	Bold capsules	51	Bihar
GAUC-1 (VI-9) (Vijapur inbred 9)	V VP-1 x VP-9	1983	596(E) 13-8-1984	180-240	1200-1500	Drought tolerant	46	Gujarat and Maharashtra
GAUCH -1	H Selection from S-20 inbred line	1976	1976	100-110	1200-1300		46-47	Gujarat
GCH-3 (JHB-67)	H TSP 10R x JI-15	1976		150-160	1300	Medium tall and purple stem	47	Gujarat
HC1 to HC8	H			240-270	280-438		48-56	Andhra Pradesh
JUNAGADH-1	V Local selection	1968	596(E) 13-8-1984		1200		48	Gujarat
PCH-1	H VP-1 x PCS 124	1999		180	2000 (R)		48	Rainfed areas of AP
Pb-No.1	V	1965	440 21-8-1975		1200		52	Punjab
S-20	V	1961			955	Double bloom	46	Gujarat
SA-1	V Derivative of TMV 1 x RC1094	1970		145	1100	Non-dehiscent capsule	54	Tamil Nadu
SA-2	V Mutant from TMV 1	1970		180-240	900	Suitable for rainfed situations	49	Tamil Nadu

Variety/Hybrid	(2)	Pedigree	(3)	Year of release	(4)	Year of Notification	(5)	Days to Maturity	(6)	Yield (kg/ha)	(7)	Salient Features	(8)	Oil Content (%)	(9)	Recommended Regions/Areas	(10)
SKI (Gujarat Castor-2)	V			1996						2769(I) 1191(R)				49		All Castor Growing Areas	
TMV-1	V	Derivative of the cross Namakkal x Hospet irrigated						195		1166		Rose colour stem with compact spike		51		Tamil Nadu	
TMV-2	V	Derivative of the cross Namakkal x Hospet irrigated		1946				210		1166		Rose colour stem non-dehiscent capsule		50		Tamil Nadu	
TMV-3	V	Selection from South Arcot local		1946				240		930		Rose colour stem non-dehiscent capsule		55		Tamil Nadu	
TMV-4	V	Selection from SA-2		1981		596(E) 13-8-1984				1100				50		Tamil Nadu	
TYPE-28	V	A selection from Bombay collection.		1978		1978		100-110		1985		Tolerant to wilt & root rot & resistant leafhopper		48-50		All India	
TYPE-3	V	Developed by selection.		1978		1978		100-110		1985		Tolerant to wilt & root rot & resistant leafhopper		48-50		All India	
TARAI-4	V	Developed by selection.		1978		1978		100-110		1985		Tolerant to wilt & root rot & resistant leafhopper		48-50		All India	
SOUBHAGYA	V	A derivative of the cross between aruna x short mutant.		1978		1978		100-110		1985		Tolerant to wilt & root rot & resistant leafhopper		48-50		AP	
KALPI-6	V	Developed by selection		1978		1978		100-110		1985		Tolerant to wilt & root rot & resistant leafhopper		48-50		All India	

Variety/Hybrid (2)	Pedigree (3)	Year of release (4)	Year of Notification (5)	Days to Maturity (6)	Yield (kg/ha) (7)	Salient Features (8)	Oil Content (%) (9)	Recommended Regions/Areas (10)
GIRIJA	V Developed by selection from the early maturing material from Anand.	1978	1978	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India
CH-1	H Selection from GCH-3	1978	1978	90-100	1000-1200		48-49	Punjab, Haryana
BHAGYA	V A derivative of the cross between high oil line x exotic m.i.415	1978	1978	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	AP
KISAN	V A derivative of the cross between Spanish improved x b-31.	1982	1982	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India
RC-8	V A mutant from RC-1188.	1982	1982	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India
VIJAPUR INBRED-9	V A selection from S-20.	1983	1984	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India
TMV-5	V SA2/S2 48-2 inbred line	1985	1985	140-150	920		47-49	Tamil Nadu
GCH-2 (VHB-150)	H VP-1/JI-35	1986	1986	100-110	1700	Resistant to root rot	47-49	Gujarat
GCH-4 (SHB-18)	H VP-1 X 48-1	1987	1988	100-210	1800-2000	Resistant to leafhopper	48-50	All India
AKC-1	V Mass selection from B-7 variety	1984	1995	90-100	1200	Tolerant to semilooper & capsule borer	45	Maharashtra
DCS-9 (Jyothi/ REC-9)	V 240/Bhagya, inbred line	1995	1995	90-100	1000-2400	Tolerant to wilt	49	Rainfed areas of A.P., Tamil Nadu and Karnataka

Variety/Hybrid	(2)	Pedigree	(3)	Year of release	(4)	Year of Notification	(5)	Days to Maturity	(6)	Yield (kg/ha)	(7)	Salient Features	(8)	Oil Content (%)	(9)	Recommended Regions/Areas	(10)
GC-2 (SKI-273)	V	1-21/V1-9, inbred line		1996	1996	1996	90-100	1200-2100		Tolerant to wilt		47-49		Gujarat			
TMV-6 (TVC31/RV74)	V	VP-1/RC982, inbred line		1997	1997	1997	110-120	930		Moderately resistant to wilt, Alternaria leafspot, rust, tolerant to leafhoppers, semilooper capsule borer		52		Tamil Nadu			
GCH-5 (SHB-145)	H	GEETA/SH-72		1995	1997	1997	110-120	1740-2820		Resistant to wilt, jassids		50		All India			
DCH 32 (Deepti)	H	LRES-17/REC-5		1997	1998	1998	85-95	1030-2460		Resistant to jassids and leaf hoppers		48		Rainfed areas of A.P., Karnataka, TN, MS and Orissa			
Kranti (PCS-4)	V	(PB-1/151-B)//(JC-44/413A), inbred line		1999	1999	1999	110-120	1365		Moderately tolerant to semilooper and resistant to drought		48-50		Andhra Pradesh			
TMVCH 1	H	LRES-17/TMV-5		1999	1999	1999	160-170	1200		Resistant to leaf hoppers and jassids and moderately resistant to Botrytis		49		Rainfed areas of Tamil Nadu			
GCH 6 (JHB-665)	H	JP 65 X JI-96		1999	1999	1999	95-210	1400-2300		Tolerant to Macrophomina root rot & wilt		48		Rainfed & irrigated late kharif regions of Gujarat, Rajasthan and Maharashtra			
DCH 177	H	DPC-9 x DCS-9 (Jyothi)		1998	2000	2000	90-180	1500-1600		Moderately resistant to wilt		49		Tamil Nadu, Karnataka, AP and Maharashtra			
RHC 1	H	VP-1 X TMV-5-1		2002	2002	2002	90-120	2500-3000				49		Rainfed and irrigated areas of Rajasthan			
Haritha (PCS 124)	V	PPL-4 X 48-1, inbred line		2002	2004	2004	90-120	1400-1600		Resistant to wilt		48-51		Rainfed areas of Andhra Pradesh			
Kiran (PCS 136)	V	Selection from JI-1-130-1 inbred line		2002	2004	2004	90-180	1200-1500		Tolerant to Botrytis and jassids		49		Rainfed areas of Andhra Pradesh			

Variety/Hybrid (2)	Pedigree (3)	Year of release (4)	Year of Notification (5)	Days to Maturity (6)	Yield (kg/ha) (7)	Salient Features (8)	Oil Content (%) (9)	Recommended Regions/Areas (10)
DCH 519	M -574 X DCS -78	2006	2006	100-180	1700-2000	Resistant to wilt and jassids	49	Both rainfed and irrigated areas, all over the country
SAGAR SHAKTI	SP 19 X SM 35	2006	2006	100-115	2000	Tolerant to wilt, Alternaria blight, leaf hoppers, Jassids and white fly	49	All India
GCH 7 (SHB-758)	SKP -84 X SKI-215	2007	2007	110-210	3000-3500	Tolerant to white fly, jassids and thrips and resistant to nematode-wilt complex	49	Irrigated areas of Gujarat
Jwala (48-1)	High oil Mutant x Mauthners Dwarf	2007	2007	110-120	1100-1500	Resistant to wilt, capsule borer and tolerant to jassid and Botrytis	48	All India
YRCH-1	DPC9 X TMV 5	2010	2010	120-115	1800		49	Tamil Nadu
K-8501 (chandraprabha)	KALPI-6 X BHAGYA	2010	2010	225-235	1800-2000	Resistant / tolerant to Capsule borer & castor semilooper	53.8	Rainfed areas of UP
DCS-107	DCH-177 x JI-133	2011	2011			Resistant to wilt and tolerant to leaf hopper	49	All India
JI-273 (GC-3)	F7 T (JP-65 X JI-88) X 48-1	2012	2012			Resistant to wilt, tolerant to Macrophomina root rot	49.6	Irrigated areas of Gujarat
DSP-222	D 12X D 117	2012	2012			Resistant to wilt	48.4	Irrigated areas of Gujarat, Rajasthan, UP, Haryana

27. CHEMICAL COMPOSITION AND QUALITY

27.1 Quality of Cooking Oils

Oil	Availability (2012-13)** (Lakh tones)	Stability index	Nutritional Index
Coconut	3.90	Very high	Low
Cotton seed	11.57	0.4	1.9
Groundnut	10.80	1.6	2.5
Niger	0.31	0.7	0.2
Palm	24.89	5.8	1.6
Rapeseed-mustard	7.8	1.2	2.1
Rice bran	0.33	1.4	6.0
Safflower	2.12	0.2	2.8
Sesame	23.47	1.2	2.8
Soybean	1.80	0.5	2.0
Sunflower	2.1	0.4	4.0

Note: ** Based on final estimate (released by Ministry of Agriculture on 14 February 2014)

27.2 Fatty Acid Proportion (%) in Cooking Oils

Oil	Saturated	Mono-unsaturated	Poly unsaturated (PUFA)
Coconut	95	5	-
Cotton seed	28	22	50
Groundnut	19	47	34
Niger	12	36	52
Palm	46	46	8
Rapeseed-mustard	13	70	17
Rice bran	18	45	37
Safflower	9	16	75
Sesame	18	43	39
Soybean	15	30	55
Sunflower	15	25	60

27.3 Oilseeds: Chemical Composition

Oilseeds	Oil %	Prot. %	Sugar %	Fibre %	Ash %
Groundnut	42-52	26	12	3.0	3
Sesame	41-43	18	12	6.0	5
Niger	33-40	18	18	12.0	5
Sunflower	37-40	19	12	24	3
Castor	45-52	15	5	25	2
Soybean	15-24	40	26	5.0	5
Rapeseed	31-44	25-32	-	-	7
Safflower	29-33	15	15	33	6
Linseed	30-58	11-32	-	-	-

27.4 General Characteristics of Vegetable Oils

Vegetable. Oil	MOC P	Sp.gr.	S.V.	I.V.	Colour
Groundnut	-5 to 3	0.91	186-194	88-98	Yellow
Sesame	-3 to 4	0.92	188-193	103-114	Yellow
Niger	-9	0.92	189-193	126-134	Pale yellow
Sunflower	-16 to 18	0.92	186-194	130-135	Pale yellow
Castor	-10 to 18	0.96	176-187	81-89	Yellow –Brown
Soybean	-8 to 18	0.93	189-195	120-141	Pale yellow
R&M	0	0.91	174	87-122	Br. Yellow
Safflower	-18 to 25	0.92	186-183	141-152	Straw
Linseed	-	0.91	192-198	153-194	-

27.5 Fatty Acids of Oilseeds

Oil	16:0	18:0	20:0	18:1	18:2
Groundnut	8-10	1-3	1-2	40-52	26-37
Sesame	9.0	4.0	-	40	44
Niger	5.0	2.3	-	39	52
Sunflower	7-10	4-8	0-3	17-32	60-75
Castor	86-94*	-	-	0-8	0-4
Soybean	10-11	3-5	6-9**	20-25	48-53
Rapeseed	2-3	24-61	6-12	9-34	11-18
Safflower	6	3	-	13	78
Linseed	4-16	1-10	35-65	13-35	8-67

* Ricinoleic acid ** Linolenic *** Erucic acid

27.6 Composition of Oilseed Cakes

Per cent/Cake	Crude prot.	Sugar	Ash	Crude fibre
Groundnut	48	30	5	4
Sesame	40	38	6	5
Niger	34	20	11	9
Sunflower	37	26	6	13
Castor	20	50	15	-
Soybean	59	30	6	3
R & M	42	-	7	-
Safflower	26	34	-	28

27.7 Essential Amino Acids of Oilseeds

Am.acid	G'nut	Ses.	Niger	Sunf.	Castor	Soy.	R&M	Saf.	Lin	FAO
Isoleucine	4.1	4.2	3.8	4.7	3.5	3.4	4.4	1.7	5.0	4.7
Leucine	6.1	7.4	7.4	6.4	4.2	4.8	7.8	2.7	5.8	7.0
Lysine	3.6	2.6	3.7	3.2	2.2	4.0	5.4	1.3	3.7	5.5
Methio	0.9	2.8	2.0	1.6	1.2	2.0	0.4	0.7	1.6	3.5
Cystine	1.5	2.2	3.5	1.7	-	1.8	1.1	0.5	-	-
Phenyl alanine	5.1	6.4	4.4	4.5	3.4	5.8	3.9	1.9	4.3	6.0
Thresnine	2.1	3.1	2.7	3.4	2.5	2.5	4.9	1.4	3.4	4.0
Trypto-valine	5.0	3.9	4.2	5.0	4.4	3.3	5.6	2,4	5.1	5.0

27.8 Minerals of Oilseed Meals

% comp.	Ash	Ca	P	Mg	Mn
Soybean	5.9	0.3	0.7	0.3	0.03
Groundnut	4.5	0.2	0.6	0.1	0.03
Sunflower	7.7	0.5	0.5	-	0.02
R&M	6.3	0.6	1.4	0.6	0.05
Linseed	5.6	0.4	0.9	0.6	0.03
Safflower	6.4	0.3	0.6	-	-
Sesame	10.3	2.0	1.3	-	0.05

27.9 Carbohydrates Composition of Oilseed Meals

Constituent	Soybean	Peanut	Sesame	Safflower	Mustard	Sunflower
Carbohydrate	16.0	17-39	10-11	20.0	5-12	18.5
Sucrose	8.0	8-14	0.2	1.4	2-8	3.4
Raffinose	1-1.2	0-0.9	0.6	1.8	0.3-1.0	2.9
Stachyose	0.4-0.45	1.6	0.4	-	-	-
Aratrinose	0.01-0.02	-	-	-	-	0.3
Glucose	0.04-0.06	0.8-2.0	3.6	0.02	0.3-1.0	0.4
Fructose	-	0.4	3.4	0.13	-0.2-2.0	0.2
Starch	-	13-18	-	-	2-5.0	-

27.10 Vitamin Content of Oilseeds

Constituent	Soybean	Rapeseed	Sunflower	Groundnut	Sesame
itamin A (g/g) (B-Caroteno)	(0.2-2.4)	--	(1.1-1.6)	26 units	60 units
Thamine (g/g)	11-17.4	5.2	16-29	9.9	10
Niaccin(g/g)	--	160	80-150	128-167	44
Riboflania (g/g)	2.3	3.7	3.6	1.32	3.4
Pantothenic acid	12.0	9.5	44.8	0.27	6.0
Pyridoxine acid	6.4	--	--	3.0	--
Biotin acid	0.6	--	--	0.03	--
Folic acid	2.3	2.3	--	2.8	--
Choline (mg/g)	3.4	6.7	--	1.7	13.4
Ascorbic acid	0.2	--	--	0.06	0.05
Tocopherols acid	1.2	0.27	0.63-0.70	2.6-5.9	0.30

27.11 Antinutritional / Toxic Factors in Oilseeds

Oilseed	Antinutritional/toxic constituent
Groundnut	Aflatoxin
Sesame	Oxalates and Phytates
Niger	--
Sunflower	Polyphenols
Castor	Ricinine and allerger
Soybean	Protease inhibitor
R&M	Haemagglutinings and phytates
R&M	Phenolic compounds
Safflower	Linamarin
Linseed	Phytic acid

Source: Tables 27.1 to 27.11 personal communication from G. Nagaraj, Principal Scientist (Biochemistry), Retd., Directorate of Oilseeds Research, Hyderabad

27.12 Chemical Composition of Groundnut Kernel (g/100g)

Constituent	Testa	Germ	Cotyledon
Moisture	9.01	-	3.9-13.2
Protein	11-13.4	26.5-27.8	21.4-36.4
Oil	0.5-1.9	39.4-43.0	35.8-54.2
Total Carbohydrates	48.3-52.2	-	6.0-24.9
Reducing Sugar	1.0-1.2	7.9	0.1-0.4
Sucrose	-	12	1.9-6.4
Starch	-	-	0.9-5.3
Crude fibre	21.4-34.9	1.6-1.8	1.6-1.9
Ash	1.9-4.6	1.9-3.2	1.8-3.1

Source: Cobb, W.Y. and Johnson, B. R.. 1973. 1973. Physicochemical properties of peanuts. In: Peanuts-culture and uses. pp. 209-261. APRES, USA.

27.13 Characteristics of Groundnut Oil

Characteristic	Range
Melting point °C	0-3 °C
Iodine value(IV)	82-106
Acetyl value	8.5-9.5
Saponification value(SV)	188-195
Free Fatty Acids(Ffa) %	0.02-0.6
Unsaponifiable %	0.3-0.7
Characteristic	Range
Refractive index(RI) ND 20	1.4697-1.4719
Density at 20 °C (g/cc)	0.91
Colour visual	Light Yellow
Lovibond	Yellow 15-25
	Red 1-2

Source: Williams, K. A. 1966. Oils, fats and fatty foods their practical examination. pp. 307. J.A. Churchill Ltd., London

27.14 Fatty Acid Composition of Groundnut Oil

Fatty acid	Range	Average
Saturated Fatty Acids*		
Myristic(14:0)	0.01-0.23	0.09
Palmitic(16:0)	9-24.9	12.6
Stearic(18:0)	0-5.5	1.7
Arachidic(20:0)	2-10.2	4.2
Behenic(22:0)	0.7-3.9	2.1
Lignoceric(24:0)	0-2.8	0.3
Unsaturated Fatty Acids*		
Palmitole(16:1)	0.6-3.3	1.4
Oleic(18:1)	38.7-56.2	47
Linoleic(18:2)	16.2-38.4	29.9
Eicosenoic(20:1)	0.74-2.27	3

* The first number indicates the number of carbon atoms in the fatty acid. The subsequent number after colon indicates the number of double bonds in the chain

Source: Rao, P. U. and Rao, P. S. 1981. Chemical composition of fatty acid profile of high yielding varieties of oilseeds. Ind. J. Agric. Sci., 51:703-707. Cobb and Johnson(1973)

27.15 Amino Acids in Groundnut Protein

Amino Acid	Composition percentage	
	Protein isolation	Indian sample
Glycine	5.9	-
Alanine	4.05	-
*Valine	4.4	2.8
*Leucine	6.55	4.8
*Isoleucine	3.6	3
Serine	4.95	-
*Threonine	2.7	2.5
Tyrosine	4	-
Proline	4.7	-
*Methionine	1.4	0.9
Cysteine	1.45	1.4
*Lysine	3.45	3.9
*Histidine	2.22	2.1
*Arginine	11.6	9.6
Aspartic acid	11.7	-
Glutamic acid	18.9	-

*Essential amino acids.

27.16 Oil Content of Rapeseed & mustard Types

Rapeseed-mustard Group of crops	Oil per cent
Raya (B. juncea)	40
Brown sarson (B. campestris)	43
Toria (B. campestris)	35
Yellow sarson (B. napus)	41
Taramira (B. sativa)	28

Source: Anand, I.J. 1976, Oil quality vis-a-vis aphid resistance in Brassicae Workshop meeting of oilseeds Res. Workers. Nagpur, India. Anand J., Malik R.S. and Rawat, D.S. 1979. Breeding rapeseed- mustard oil crops for productivity and improved quality In: Proc. Symp. On rapeseed and mustard, CFTRI, Mysore, India. pp 58-70.

27.17 Characteristics of Rapeseed & mustard Seed

Component	<i>Brassica napus</i>	<i>Brassica campestris</i>
Seed coat %	16.5	18.7
Seed oil %	41.5	40
Hull oil %	16	16.2
Kernel Oil %	47.1	4
Protein % (defatted meal)	44.7	44.2
Crude fibre % (defatted meal)	11.8	11.7
Protein % (defatted hull)	18.7	20.6
Crude fibre % (defatted meal)	34.3	31.6

Source: Applequist, L.A. and Ohlson, 1972. Rapeseed. Elsevier Publ., Amsterdam.

27.18 Physical Characteristics of Rapeseed Oil

Characteristic	Value
Specific gravity 25 degree C	0.906-0.910
Refractive index 30 degree C	1.469-1.485
Iodine number	87-122
Saponification value	170-200
Unsaponifiables	0.750-1.219
Colour	Yellow brown
Titre	11.5-15o C
Acid value	0.26-2.53

Source: Sonntag, N.O.V. 1979. Composition and characteristics of individual fats and oils In.: Baileys industrial Oil and fat products (ed). D.Swern.pp 289-478. John Wiley & Sons, New York.
Shenolikar, I.S.1985. Nutritional qualities of rapeseed-mustard In: Oilseed Production – Constraints and opportunities pp.635-659. Oxford & IBH Publ.

27.19 Fatty acid Composition of Rapeseed Species

Fatty acid	Conventional cultivars (High Erucic Acid)		Zero erucic acid c ultivars
	<i>B.napus</i>	<i>B.campestris</i>	
16:00	3.8	3.2	9.2
18:01	11.2	26.6	59.8
18:02	13.7	17.5	19.4
18:03	8.1	8.8	10.2
20:01	9.6	11.8	0.2
22:01	52.3	31	0.3

Source: Downey, R.k., and Robberen.G.1989. Brassica species In: oilseed crops of the world ed. R.K. Downey, G.Robbelen and A Ashri Mc Gram Hill Pub. New York pp.339-362

27.20 Glucosinolate Levels (mg/g meal) of Brassicas

Glucosinolates	<i>B.napus</i>	<i>B.campestris</i>
Butenylisothio cyanate	2.7	3
Pentenylisothio cyanate	6.8	2.3
Vinyl oxazolidinethione	8.7	2.3

Source: Jones (1979)

27.21 Characteristics of Safflower Seed

Component	% constituent
Hull	33 - 45
Kernel	55 - 65
Moisture	5-8
Oil	31 - 32
Protein	14 - 19
Ash	5-7
Crude Fibre	32 - 34

Source: Weiss, E.A. 1983. Oilseed crops. Longmans, London. Lata,T.S.Prakash, V. 1984. Studies on the proteins from safflower seed (*Carthamustinctorious L.*) J.Agric.& Food Chem. 32(6) : 1412-1416.

27.22 Safflower Oil Quality

Constituent	Range
Free fatty acids	0.15 - 0.01%
Iodine value	136 - 146
Saponification value	186 - 195
Refractive index at 25oC	1.473 - 1.476
Unsaponifiables	0.3 - 1.3 %

Source: Vibhakar, S. Rajalakshmi, S. Nagaraja, K.V. and Kapur, O.P. 1981. Physico chemical characteristics of safflower oil Ind. Food Packer. 35 (1) : 11-12.

27.23 Fatty Acid Composition of Safflower Oil

Fatty acid	% composition
Palmitic (16:0)	5.0 - 7.5
Stearic (18:0)	1.4 - 1.8
Arachidic (20:0)	1.2 - 3.6
Oleic (18:1)	6.1 - 7.6
Linoleic (18:2)	74.9 - 78.4

Source: Coulatabad, C.D., Ankalgi. R.F., Vijay Kumar, S. and Habib, A.F.1982. Fatty acid composition of important safflower varieties of Karnataka Oilseeds J. 12: 29-32

27.24 Amino Acid Composition of Safflower meal

Amino acid	% in air dried meal
Arginine	3.8
Cystine	0.5
Histidine	1.0
Isoleucine	1.7
Leucine	2.7
Lysine	1.3
Methionine	0.7
Phenylalanine	1.9
Threonine	1.4
Tryptophan	0.6
Valine	2.4

Source: Weiss (1983)

27.25 Sunflower Seed Characteristics

Character	Composition
Hull %	21 -27
Oil (Kernel) %	48 -53
Protein %	14 -19
Soluble sugars %	7.5 -9.4
Crude fibre %	16 - 27
Ash %	2.4 - 3.0

Source: Dorrel, D.G. 1978. Processing and utilization of oilseed sunflower (In) Sunflower science and Technology Agronomy - a series of monographs Ed. Carter. J.C. PP.407-440 Amer Soc. Agron. Madison, Wisconsin, U.K. pp.407-440

27.26 Some Characteristics of Sunflower Oil

Characteristic	Value
Specific gravity	0.9909 - 0.9187
Refractive index 40 oC	1.4636 - 1.4681
Colour (7+5 R)	1.0 - 12.7
Acid value	0.7 - 25.7
Iodine value	101.4 - 135.0
Saponification value	1.93 - 2.00
Unsaponifiables	0.20 - 1.93

Source: Kamath, K.S. Govindham, P.E. Paul, T.M. Chatterjee, K.L. and Mathew, J.V . 1979. Sunflower seed oil - Physico chemical characteristics and industrial use. Research and Industry 24:168-170.

27.27 Fatty Acid Composition of Sunflower Oil

Fatty acid	Composition
Myristic	5.0 – 7.0 %
Palmitic	3.0 – 5.0 %
Stearic	0.3 – 0.8 %
Arachidic	0.6 – 0.8 %
Oleic	22 – 50 %
Linoleic	40 – 67 %

Source: Bernardini, (1985)

27.28 Amino Acid Composition of Sunflower Protein

Amino acid	g/1000g	Amino acid	g/1000g
Essential		Non-essential	
Arginine	59.2	Alanine	24.5
Histidine	14.4	Aspartic acid	54.9
Isoleucine	29.2	Glutamic acid	143
Leucine	38.4	Glycine	33.9
Lysine	19.5	Proline	31.1
Methionine	11.4	Serine	26.3
Cysteine + cystine	13.4	Tyrosine	14.3
Tryptophan	10		
Phenylalanine	29.4		
Valine	34.9		
Threonine	22.3		
Total	279.1		327.9

Source: Tkachuk, R. and Irvine, G.N. 1969. Amino acid composition of cereals and oilseed meals cereal chem. 46:216-218.

27.29 Seed Composition of Sesame

Constituent	Composition
Moisture	6 - 7 %
Proteins	20 - 21 %
Oil	48 - 55 %
Sugars	14 - 16 %
Fibre	6 - 8 %
Minerals	5 - 7 %

Source: Bernardini, E.1985. Oilseeds, Oils and fats Vol..Interstampa, Roma

27.30 Quality Characteristics of Sesame Oil

Constituent	Composition
Oil %	48.8 - 49.1
Sp. Gravity of oil	0.992 - 0.924
Refractive index 25oC	1.4760 - 1.4770
Acid value	1.1 - 2.2
I.V	103.6 - 112.8
S.V	188.6 - 191.2
F.F.A. %	1-3
Unsaponifiables %	1.4 - 2.5
16:0 %	8.4 - 11.9
18:0 %	3.5 - 7.9
20:0 %	0 - 1.4
18:1 %	34.6 - 47.3
18:2 %	27.9 - 47.2
18:3 %	0 - 1.8

Source: Tyagi, P. and Vasistha, A.K. 1983. Component fatty acids and glycerides of oils from different genetic varieties of *Sesamum indicum*. J. Oil Technol. Assoc. India 15:28-32.

27.31 Essential Amino Acids of Sesame Protein

Amino acid	Range of g/100g
Arginine	12-13
Histidine	2-3
Isoleucine	3-4
Leucine	6-7
Lysine	2-3
Cysteine	1-2
Methionine	3-4
Phenylalanine	4-6
Threonine	3-4
Tryptophan	1-3
Valine	4-5

27.32 Proximate Composition of Soybean

Constituent	Whole seed	Cotyledons	Hulls
Crude Protein %	39-42	42-43	9
Constituent	Whole seed	Cotyledons	Hulls
Crude fat (Oil) %	18-22	20-24	1
Carbohydrates	31-37	27-23	86
Ash	49-5.0	4.2-4.5	4.5

Source: Carter and Hopper (1942)

27.33 Characteristics of Soybean Oil

Characteristic	Range
Melting point	-8-18 0C
Iodine value	120-140
Saponification value	189-195
Unsaponifiables	0.2-1.6 %
Titre	20 – 21 0C
Characteristic	Range
Specific gravity 25/25 0C	0.917-0.921
Refractive index 25 0C	1.470-1.476

Source: Sontag (1979)

27.34 Fatty Acid Composition of Soyabean Oil

Fatty acid	% composition
Palmitic	7-12
Stearic	2-5.5
Oleic	19-30
Linoleic	48-58
Linolenic	5-8.8

Source: Patterson (1989)

27.35 Essential Amino Acids of Soybean

Amino Acid	Content (g/16g)
Lysine	6.4
Methionine	1.1
Cysteine	1.4
Tryptophan	1.4
threonine	3.9
Isoleucine	4.6
Leucine	7.8

Amino Acid	Content (g/16g)
Phenylalanine	5
Valine	4.6
Arginine	7.3
Histidine	2.6
Tyrosine	3.8
Serine	5.5
Glutamic acid	11.8
Glycine	4.3
Proline	5.5

Source: Vaidehi, M.P. and Kadam, S.S.,1989. Soybean, In Head book of world food legumes cd. D.K. Solankhe, and S.S. Kadam. Vol.III pp.1-32 Boca Ratan .FL CRC press.

27.36 Seed Composition and Oil Quality of Niger

Constituent	Range
Oil %	30.0 – 32.4
Crude protein %	26.0 – 30.6
I.V	112.8 – 129.0
Refractive index at 25oC	1.4695 – 1.4722
Unsaponifiables %	0.2 – 1.7
Colour of the oil	3Y + 0.6R
16:0 %	6.0 – 9.4
18:0 %	5.0 – 7.5
18:01	13.4 – 39.3
18:02	45.4 – 65.8
20:00	0.2 – 1.0

Source: Nagaraj, G.1995. Quality and utility of oilseeds. DOR, Hyderabad

27.37 Amino Acid Composition of Niger Varieties

Amino Acid	Range of g/100g protein
Alanine	3.3-3.4
Arginine	7.8-8.6
Aspartic Acid	7.6-7.9
Cystien	2.0-2.4
Glutamioacid	18.5-18.8
Glycine	4.3-4.4
Histidine	2.4-2.9
Isoleucine	3.6-4.6
Leucine	5.2-5.7

Amino Acid	Range of g/100g protein
Lysine (Total)	3.1-3.7
Methionine	1.9-2.3
Phenyl alanine	4.1-4.7
Proline	3.5-4.0
Serine	4.2-4.4
Threonine	2.6-2.7
Tyrosine	2.6-4.1
Valine	4.0-4.5

Source: Nagaraj, G.1995. Quality and utility of oilseeds. DOR, Hyderabad

27.38 Castor Oil Characteristics and Fatty Acid Composition

Physical Characteristics	Range	Fatty acid	Per cent Range
I.V	81-91	Palmitic	0.9 – 1.2
S.V	176-187	Stearic	1.0 – 1.2
Density	0.945-0.965	Oleic	3.2-3.3
f.f.a	2%	Linoleic	3.4-3.7
Refractive index	1.4748-1.4810	Ricinoleic	89.89.4
Hydroxyl value	155-169	Dihydroxy	1.3-1.4

Source: Patternson, H.B.W.1989. Handling and storage of oilseeds, oil, fats and meal pp.87-180. Elseviour Applied Science, New York.

27.39 Quality of Linseed and its Oil

Constituent	Composition
Oil %	30-55
Protein %	11-32
Sp.gravity of oil	0.91-0.93
Refractive index 25oC	1.4756-1.4802
Acid value %	0.7-2.9
Saponification value	192-198
Palmitic acid %	4-16
Constituent	Composition
Stearic acid %	0.3-10
Oleic acid %	13-35
Linoleic acid %	7-18
Linolenic acid %	36-67

27.40 Essential Amino Acids of Linseed

Amino acid	g/16g N
Isoleucine	4.96
Leucine	5.76
Lysine	3.68
Methionine	1.6
Phenylalanine	4.32
Threonine	3.36
Tryptophan	1.6
Valine	5.12

27.41 Fatty Acid Profile of Rice Bran Oil

Fatty Acid	Cereal Bran Oils	
	Rice Bran	Corn Bran
Myristic	0.4-1.0	0-1.7
Palmitic	12-18	8-12
Stearic	1-3	2-5
Oleic	40-50	14-49
Linoleic	29-42	34-62
Linolenic	0.5-1.0	0
Arachidic	0	0
Beheric&Lignoceric	0-2	0

Source: Gopala Krishna, A.G. Nutritional properties of unsaponifiable matter in rice bran oil. In: National Seminar on edible rice bran oil, June 2000, Goa.

27.42 Unsaponifiable Matter Limits for Different Oils

Oil	Codex USM limit (%)	Indian Standards USM limit	
		Refined grade	Raw grade I&II
Palm oil	<1.2	1.2%	1.2%
Peanut oil	<1.0	..	..
Rapeseed oil	<2.0	1.2-1.5	2
Mustard oil	<1.5	..	..
Rice bran oil	..	..	6
Safflower oil	<1.5	..	1.5
Sesame oil	<2.0	3.5	2.5
Soybean oil	<1.5	1	1.5-2.0
Sunflower oil	<1.5	1.5	..
Cottonseed oil	<1.5	1.0-1.2%	..
Corn oil	<2.8	1.5%	2.5
Olive oil	<1.5	..	..

27.43 Chemical Composition of Saponifiable Lipids of Rice Bran Oil

Saponifiable Lipids	Per cent in Oil
A. Neutral Lipids	86.0
i. Triglycerides	71.0
ii Diglycerides	3.0
iii Monoglycerides	5.0
iv Free fatty acids	2.0
v Waxes	3.0
vi Oryzanol	2.0
B. Glycolipids	6.0
C. Phospholipids	4.0

27.44 Chemical Composition of Unsaponifiable Lipids of Rice Bran Oil

Unsaponifiable Lipids	Per cent in oil
A. Sterols	4.2
I B-Sitosterol	1.8
ii Campesterol	0.88
iii Stigmasterol	0.51
B. 4-Methyl Sterols	0.27
I Citostadienol	0.4
ii Gramisterol	0.17
iii Obtusifoliol	0.16
C. Triterpene alcohols	0.03
I 24-methylene cycloartenol	1.2
ii Cycloartenol	0.49
D. Less polar compounds	0.48
I Squalene	0.8
ii Tocopherols	0.12
iii Tocotrienols	0.04

27.45 Composition of Unsaponifiable Matter of Different Oils

	Phytosterols	4-Methyl sterols	Triterpene alcohols	Tocopherols	Others
Palm Oil	0.26	0.04	0.03	0.06	..
Peanut Oil	0.44	0.02	0.04	0.03	..
Rapeseed oil	0.61	0.03	0.05	0.06	..
Rice bran oil	1.80	0.40	1.20	0.08	0.72
Safflower oil	0.35	0.02	0.07	0.02	..
Sesame oil	0.62	0.41	0.18	0.06	..
Soybean oil	0.36	0.07	0.09	0.07	..
Sunflower oil	0.39	0.11	0.07	0.06	..
Cottonseed oil	0.43	0.04	0.05	0.10	..
Corn oil	1.17	0.01	0.01	0.10	..
Olive oil	0.14	0.02	0.14	0.04	..

27.46 Maximum Permissible Aflatoxin Levels in Groundnut and its Products for Human Consumption in Groundnut Importing Countries

Country	Aflatoxin Limit (μ kg-1)
Belgium	5
Columbia	10
Cuba	0
Czechoslovakia	5
Denmark	10
Dominican Republic	0
Finland	5
France	1a or 5b
Germany	2a
Hong Kong	20
Ireland	5a
Italy	5a
Japan	0
Jordan	15a
Luxembourg	5
Malaysia	0
The Netherlands	0
Norway	5a or 20b
Poland	0
Portugal	0
Russia	5
Singapore	10
Surinam	5a
Sweden	5a
Switzerland	1a or 5b
United Kingdom	4b
Yugoslavia	10

Note: a Aflatoxin B1; b Total of Aflatoxin (B1, B2, G1, G2)

27.47 Aflatoxin Limits in Groundnut Cake/Animal Feed in Various Countries

Country	Groundnut Cake/Animal Feed	Aflatoxin Limit (μ kg ¹)
Belgium	Animal feed	20
Brazil	Groundnut cakea	50
France	Groundnut cake	20
Germany	Animal feed	5
Italy	Animal feed	5
Japan	Groundnut cake for animal feed mixes	1000
The Netherlands	Animal feed	20
Norway	Oilseed cake	600
Poland	Animal feed	5
Sweden	Animal feed	5
UK	Animal feed for dairy cattle	5
USA	Groundnut cake for immature animals and dairy animals	20
	Groundnut cake for beef cattle, swine mature poultry	100
	Groundnut cake for finishing swine	200
	Groundnut cake for finishing beef cattle	300
European Union	Animal feed supplements for dairy animals	5
	Complete feed for pigs and poultry	20
	Complete feed for cattle, sheep and goats	50
Zimbabwe	Animal feed	50-400b

a Export control; b Dependent upon animal

Source: Mehan, V. K. 1999. Supplying Aflatoxin free groundnuts and groundnut products: A real challenge. CIPHET, Ludhiana.

27.48 The Fatty acid composition of *Jatropha curcas* oil

Item	Value
Acid value	38.2
Saponification value	195
Iodine value	101.7
Viscosity (31 oC) " Fatty acid"	40.4
Palmitic acid %	4.2
Stearic acid %	6.9
Oleic acid %	43.1
Linoleic acid %	34.3
Other acids %	1.4

Tests	Groundnut	Refined sunflower	Sesame	Rice bran	High Oleic acid sunflower oil	High Oleic acid Safflower oil
	Required range					
Mineral oil	Negative	Negative	Negative	Negative	Negative	Negative
Argemone	Negative	Negative	Negative	Negative	Negative	Negative
Other Tests						
Colour (Lovibond units)	15.0 (in 1 1/2" cell as Y+5R)	9.5 (in 5 1/4" cell as Y+5R)	5.0 (in 5 1/4" cell as Y+5R)	15.0 (in 5 1/4" cell as Y+5R)		
Cloud point/Wax/Sediments	Shall be clear	Nil at 180C	Nil at 180C	Nil at 180C	Nil at 180C	Nil at 180C
Heat & Cold test & Clarity	Shall be passed	Shall be passed	Shall be passed	Shall be passed	Shall be passed	Shall be passed
Organoleptic test	Shall be passed	Shall be passed	Shall be passed	Shall be passed	Shall be passed	Shall be passed

Note: The refined edible oil obtained by solvent extraction shall not contain hexane more than 5 ppm.

27.51 Typical Oil Content and Extraction of Oil from 100 kg of Oilseed by Expeller

Oilseeds	Oil Content	Oil Extraction		Oil left in the cake	
	Kg	Kg	Percentage (%)	Kg	Percentage (%)
Cotton Seed	20	13	65	7	35
Soybean	21	16	76	5	24
Sunflower	36	32	89	4	11
Palm Kernel	41	36	88	5	12
Rapeseed	42	37	88	5	12
Mustard	42	37	88	5	12
Castor Seed	44	40	91	4	9
Linseed	45	42	93	3	7
Groundnut Kernel	48	43	90	5	10
Palm Fruit	50	45	90	5	10
Sesame	53	50	94	3	6
Copra	63	62	98	1	2

Source: Tiny Tech Plant Pvt. Ltd., Tagore Road, Rajkot-360 002, Gujarat.

28. GENERAL INFORMATION**28.1 Germplasm Resources in Oilseed Crops**

Crop	Accessions	Maintaining Centre
Groundnut	8983	ICAR-DGR, Junagadh
Soybean	2500	ICAR-IISR, Indore
Coconut	321 (132 Exotic + 189 Indiginous)	ICAR-CPCRI, Kasaragod
Rapeseed-Mustard	5909	ICAR-DRMR, Bharathpur
Indian Mustard	3462	ICAR-DRMR, Bharathpur
B. campestris var. Toria	948	ICAR-DRMR, Bharathpur
B. campestris var. Brown sarson	231	ICAR-DRMR, Bharathpur
B. campestris var. Yellow sarson	519	ICAR-DRMR, Bharathpur
Taramira	376	ICAR-DRMR, Bharathpur
Gobhi Sarson	214	ICAR-DRMR, Bharathpur
Karan rai	109	ICAR-DRMR, Bharathpur
Others	50	ICAR-DRMR, Bharathpur
Exotic lines	111	ICAR-DRMR, Bharathpur
Castor	3380	ICAR-IIOR, Hyderabad
Sunflower	2140	ICAR-IIR, Hyderabad
Sesame	7260	PC Unit(Sesame & Niger), Jabalpore
Safflower	6901	ICAR-IIOR, Hyderabad
Niger	500	PC Unit(Sesame & Niger), Jabalpore
Oil Palm	96 (Exotic and Indigenous)	ICAR-CPCRI Regional Centre, Palode
Oilseeds	48,076	National Gene Bank, NBPGR

Source: Vision 2020 & 2030: Perspective Plan of concerned Institute and Vision 2025

28.2 Equipment and Machinery Developed for Oilseeds

Animal Drawn Groundnut Planter	ICAR-CIAE
Animal Drawn Groundnut/Tuber Crop Digger	ICAR-CIAE
APAU Power Operated Castor Thresher	ANGRAU
APAU Sunflower Thresher	ANGRAU
Castor Sheller (power operated)	TNAU
Cottage Level Soya Paneer Plant	ICAR-CIAE
Groundnut -cum- Castor Decorticator	ICAR-CIAE
Groundnut Decorticator (Manual)	ICAR-CIAE
Groundnut Decorticator for Women	ICAR-CIAE
Groundnut Decorticator (hand operated)	TNAU
Groundnut Decorticator (power operated)	TNAU
Groundnut Grader	TNAU
Groundnut Decorticator with Feeder and Separator	ICAR-CIAE
Groundnut Decorticator(single shoe)	ICAR-CIAE
Groundnut Pod Stripper	ANGRAU
Groundnut Stripper (Comb type)	TNAU
Groundnut Stripper (Drum type)	TNAU
Groundnut Thresher	ICAR-CIAE
Groundnut Harvester	TNAU
Groundnut Thresher	TNAU
Hand Operated Sunflower Decorticator	ICAR-CIAE
HAU Animal Drawn Mustard Drill	HAU
Integral Extrusion Expelling Unit for Soybean	ICAR-CIAE
Manually Operated Multi-oilseed Decorticator	ICAR-CIAE
Manually Operated Mustard Drill	PAU
Manually Operated Soybean Dehuller	ICAR-CIAE
Mobile Oil Palm Waste Shredder	NRC for Oil Palm
PAU Axial Flow Groundnut Thresher	PAU
PAU Axial Flow Sunflower Thresher	PAU
Phule Sunflower Thresher	MPKV
Power Operated Groundnut Decorticator	CIAE
Power Operated Multi-Oilseed Decorticator	ICAR-CIAE
Power Operated Rice Reaper/Groundnut Harvester	ICAR-CIAE
Power Operated Soybean Dehuller	ICAR-CIAE
Power Tiller Operated Soybean Reaper	ICAR-CIAE
Soy Snack Extruder	ICAR-CIAE
Soyaflaking Machine(3 rollers)	ICAR-CIAE
Soybean Blacher	ICAR-CIAE
Soybean Cake Grinder	ICAR-CIAE
Soyflour Shifter(Manually Operated)	ICAR-CIAE
Sunflower Seed Sheller	TNAU
Sunflower Thresher	PAU
TNAU Animal Drawn Groundnut Digger	TNAU

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TNAU Groundnut Decorticator	TNAU
TNAU Groundnut Thresher	TNAU
TNAU Power Operated Castor Sheller	TNAU
Tractor drawn Mustard Drill attachment to semi-automatic sugarcane planter	IISR
Tractor Drawn Seed Drill for Rapeseed-Mustard	GBPUA&T
Tractor Mounted Groundnut Digger	ANGRAU
Tractor Mounted Groundnut Digger Shaker Windrower	PAU
Tractor Mounted Groundnut Harvester	TNAU
Tractor Mounted Seed-cum-Fertilizer Drill for Oilseeds	PAU
Udaipur Animal Groundnut Digger	RAU
Manual Groundnut Decorticator	ICAR-CIAE
Mustard/Small Seed Sowing Drill	ICAR-CIAE
Tractor Operated Groundnut Digger	ICAR-CIAE
Groundnut Decorticator For Women	ICAR-CIAE
Groundnut Cum Castor Decorticator	ICAR-CIAE
Groundnut/Sunflower Decorticator With Feeder And Separator	ICAR-CIAE
Manual Soyabean Dehuller	ICAR-CIAE
Motorised Soybean Dehuller	ICAR-CIAE
Soybean Blanching Unit	ICAR-CIAE
Soybean Flaking Machine	ICAR-CIAE
Cottage Scale Soy Paneer Plant	ICAR-CIAE
Soy Milk Filtration Unit	ICAR-CIAE
Paneer Pressing Device	ICAR-CIAE
Tractor Drawn Planter-cum-Herbicide Applicator for Groundnut	ICAR-CIAE
List of TBO processing equipments developed by NOVOD Board	
Neem Depulper (Manual)	
Karanja Decorticator	
Tung Decorticator	
Jatropha Decorticator (Manual)	
Neem Decorticator (Mechanical with 2 H.P. Motor)	
Jjoba Seed Dehuller	
Mahua Seed Decorticator	
Wild Apricot Decorticator	
Depulper (for Simarouba, Cheura, Kokum, Olive)	
Decorticator (for Simarouba, Cheura, Kokum, Olive)	
Dehuller (for Simarouba, Cheura, Kokum, Olive)	
Drier (for Simarouba, Cheura, Kokum, Olive)	
Cleaner/grader (for Simarouba, Cheura, Kokum, Olive)	
Oil Expeller for TBOs	

Source: CIAE Perspective Plan Document

Research Highlights 2002 of AICRP on Farm Implements and Machinery, CIAE Campus, Bhopal.

28.3 Economic Advantage of Mechanization in per cent to the farmers

Increase in productivity	12-34
Seed-cum-fertilizer drill facilitates	
Saving in seeds	20
Saving in fertilizer	15-20
Enhancement in cropping intensity	5 - 22
Increase in gross income	29-49

Source: Report of the Sub-Group on Agricultural Implements and Machinery for Formulation of 9th Five Year Plan, Govt. of India.

28.4. Land Marks in Oilseeds Research and Development

1921	Establishment of Indian Central Cotton Committee
1945	Establishment of Indian Central Coconut Committee February
1946	Indian Oilseeds Committee Act IX
1947	Constitution of Indian Central Oilseeds Committee May
1956	Implementation of Project for Intensification of Regional Research on Cotton, Oilseeds and Millets(PIRCOM)
1966	Formation of Oilseeds Development Council Replacing ICOC (April 1st)
1966	Enactment of the Seeds Act, 1966
1966	Directorate of Oilseeds Development (April 1st)
1967	Establishment of All India Coordinated Research Project on Oilseeds
1970	Central Plantation Crops Research Institute
1972	All India Coordinated Research project on Coconut and Arecanut Improvement Project
1972	National Commission on Agriculture's Seed Group
1975	Launching of the World Bank aided National Seeds Programme (1975-85) in three phases leading to the creation of State Seeds Corporations, State Seed Certification Agencies, State Seed Testing Laboratories, Breeder Seed Programmes etc
1976	Central Research Institute for Cotton Research
1977	Establishment of Project Directorate of Oilseeds Research (August 1st)
1979	Establishment of National Research Centre for Groundnut (October 1st) (Presently known as Directorate of Groundnut Research)
1981	Establishment of Coconut Development Board, India (January 12th)
1984	Establishment of NOVOD Board (under the NOVOD Board Act 1983) (March 8th)
1986	Setting up Technology Mission on Oilseeds (May)
1987	Establishment of National Research Centre for Soybean (Presently known as Directorate of Soybean Research)
1988	New Policy on Seed Development
1993	Establishment of National Research Centre for Rapeseed-Mustard (October 20th) (Presently known as Directorate of Rapeseed-Mustard Research)
1995	Establishment of National Research Centre for Oil Palm (February 19th) (Presently known as Directorate of Oil Palm Research)
2000	AICRP on Sesame & Niger and AICRP on Linseed delinked from DOR, Hyderabad (April)
2000	Abolition of posts of Project Coordinators of Sunflower, Safflower and Castor and responsibility entrusted to Project Director, DOR
2002	National Seeds Policy
2004	Integrated Scheme of Oilseeds, Pulses, Oilpalm and Maize (ISOPOM) (April 1st)
2005	Formulation of National Seed Plan
2007	National Food Security Mission
2012	CT: Estobriishing of the sAARc RegionorSeed Bonk.
2014	Genetic Purity Standard For Hybrid Rapeseed & Mustard

28.5 Important Institutional Sources on Oilseeds Research

Indian Council of Agricultural Research, New Delhi
ICAR-Indian Agricultural Research Institute, New Delhi
ICAR-Central Institute of Agricultural Engineering, Bhopal
ICAR-Central Institute of Post-harvest Engineering and Technology, Ludhiana
ICAR-Central Research Institute for Dryland Agriculture, Hyderabad
ICAR-Central Soil Salinity Research Institute, Karnal
ICAR-Indian Institute of Oilseeds Research, Hyderabad
ICAR-Indian Institute of Soil Science, Bhopal
ICAR-National Bureau of Plant Genetic Resources, New Delhi
ICAR-Project Directorate on Biological Control, Bangalore
ICAR-Indian Institute of Seed Sciences, Kuzmou, Mou, UP
ICAR-Project Directorate on Soybean Processing and Utilization, Bhopal
ICAR-National Research Centre for Integrated Pest Management, New Delhi
ICAR-Indian Institute of Soybean Research, Indore
ICAR-Directorate of Groundnut Research, Junagadh
ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur
ICAR-Indian Institute of for Oil Palm Research, Pedavegi, Eluru
ICAR-Central Plantation Crops Research Institute, Kasargod
ICAR-Central Institute for Cotton Research, Nagpur
All India Coordinated Research Project on Groundnut, NRCC, Junagadh
All India Coordinated Research Project on Rapeseed-Mustard, Bharthpur, Rajasthan
All India Coordinated Research Project on Soybean, NRCS, Indore
All India Coordinated Research Project on Castor, DOR, Hyderabad
All India Coordinated Research Project on Linseed, CSAUA&T, Kanpur
All India Coordinated Research Project on Sesame and Niger, JNKVV, Jabalpur
All India Coordinated Research Project on Safflower, DOR, Hyderabad
All India Coordinated Research Project on Sunflower, DOR, Hyderabad

28.6 AICRP Centres Associated with Oilseeds Research

AICRP Centre	University	State	Crops
Adilabad	PJTSAU	Telangana	Soybean
Akola	PDKV	Maharashtra	Sunflower
			Safflower
			Sesame
Almora	PVKS	Uttarakhand	Soybean
Aliyamagar	TNAU	Tamil Nadu	Groundnut
Amaravati	PDKV	Maharashtra	Soybean
Amreli	JAU	Gujarat	Sunflower
			Sesame
Anand	AAU	Gujarat	Groundnut
			Castor
Annigeri	UAS(D)	Karnataka	Safflower
Bangalore	UAS(B)	Karnataka	Sunflower
			Soybean
Barapani	ICAR RE NEH	Meghalaya	Soybean
Bastar	IGKV	Chhatisgarh	Rapeseed-Mustard
Bawal	CCSHAU	Haryana	Rapeseed-Mustard
			Castor
Berhampore	DOA	West Bengal	Rapeseed-Mustard
Bhathinda	PAU	Punjab	Rapeseed-Mustard
Bhavanipatna	OUAT	Orissa	Castor
Bhavanisagar	TNAU	Tamil Nadu	Groundnut
Bhubaneswar	OUA&T	Orissa	Rapeseed-Mustard
			Sesame
			Groundnut
Bikaner	RAU	Rajasthan	Groundnut
Chindwara	JNKVV	Madhya Pradesh	Sesame & Niger
Chiplima	OUAT	Orissa	Groundnut
Chintamani	UAS(B)	Karnataka	Groundnut
Chitradurga	UAS(B)	Karnataka	Groundnut
Coimbatore	TNAU	Tamil Nadu	Sunflower
			Soybean
Dharwad	UAS (D)	Karnataka	Groundnut
			Sesame
			Soybean
			Rapeseed-Mustard
Dholi	RAU	Bihar	Rapeseed-Mustard
			Sunflower
Digraj	BSKKV	Maharashtra	Groundnut

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AICRP Centre	University	State	Crops
Durgapura	RAU	Rajasthan	Groundnut
Faizabad	NDUAT	Uttar Pradesh	Rapeseed-Mustard
			Linseed
Gwalior	JNKVV	Madhya Pradesh	Groundnut
Hanumangarh	RAU	Rajasthan	Groundnut
Hiryur	UAS(B)	Karnataka	Castor
Hisar	CCSHAU	Haryana	Rapeseed-Mustard
			Sunflower
Hoshangabad	JNKVV	Madhya Pradesh	Sesame
			Linseed
Igatpuri	MPAU	Maharashtra	Sesame & Niger
Imphal	CAU	Manipur	Rapeseed-Mustard
Indore	JNKVV	Madhya Pradesh	Safflower
Jabalpur	JNKVV	Madhya Pradesh	Soybean
			Sesame & Niger
Jagdarpur	IGKVV	Chhatisgarh	Rapeseed-Mustard
Jagtial	ANGRAU	Andhra Pradesh	Groundnut
			Sesame
Jahgram	DOA	West Bengal	Groundnut
Jalgaon	MPAU	Maharashtra	Groundnut
			Sesame
Jammu	SKUAS&T	Jammu & Kashmir	Rapeseed-Mustard
Jhansi	CSAUA&T	Kanpur	Soybean
Jobner	RAU	Rajasthan	Rapeseed-Mustard
Junagadh	JAU	Gujarat	Groundnut
			Castor
Kadiri	ANGRAU	Andhra Pradesh	Groundnut
Kalyani	BCKV	West Bengal	Sesame
Kangra	CSKHPKV	Himachal Pradesh	Rapeseed-Mustard
Kanke	BAU	Jharkhand	Rapeseed-Mustard
			Linseed
			Groundnut
Kanpur	CSAUA&T	Uttar Pradesh	Rapeseed-Mustard
			Castor
			Linseed
Kharagaon	JNKVV	Madhya Pradesh	Groundnut
Khudwani	SKUAS&T	J&K	Rapeseed-Mustard
Kota	MPUA&T	Rajasthan	Linseed
			Soybean
Latur	MAU	Maharashtra	Sunflower

AICRP Centre	University	State	Crops
Ludhiana	PAU	Punjab	Rapeseed-Mustard
			Sunflower
			Soybean
Manipur	CAU	Manipur	Soybean
			Rapeseed-Mustard
			Groundnut
Mainpuri	CSAUA&T	Uttar Pradesh	Groundnut
Mandore	RAU	Rajasthan	Sesame
			Castor
Mauranipur	CSAUAT	Uttar Pradesh	Sesame
			Linseed
Mohanpur	BCKV	West Bengal	Groundnut
Mokamha	RAU	Bihar	Castor
Morena	JNKVV	Madhya Pradesh	Rapeseed-Mustard
Nagpur	PDKV	Maharashtra	Sesame
			Linseed
			Rapeseed-Mustard
Nandyal	ANGRAU	Andhra Pradesh	Sunflower
Navgaon	RAU	Rajasthan	Rapeseed-Mustard
New Delhi	IARI	New Delhi	Soybean
Nimpath	Ramakrishna Ashram, Nimpath	West Bengal	Sunflower
Palem	ANGRAU	Andhra Pradesh	Castor
Palampur	CSKHPKV	Himachal Pradesh	Soybean
Pantnagar	GBPUAT	Uttarkhand	Rapeseed-Mustard
			Soybean
Parbhani	MAU	Maharashtra	Safflower
			Soybean
Patna	RAU	Bihar	Linseed
Phaltan	NARI	Maharashtra	Safflower
Pune	ARI/ BVDU	Maharashtra	Soybean
			Linseed
Rahuri	MPAU	Maharashtra	Groundnut
Raichur	UAS(D)	Karnataka	Groundnut
			Sunflower
			Linseed
Raipur	IGKV	Chhatisgarh	Sesame
			Linseed
			Soybean
			Safflower

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AICRP Centre	University	State	Crops
Ranchi	BAU	Jharkhand	Soybean
Ratnagiri	Dr.BSKKV	Maharashtra	Groundnut
S.K.Nagar	SDAU	Gujarat	Rapeseed-Mustard
			Castor
Sagar	JNKVV	Madhya Pradesh	Linseed
Savalvihar	MPKV	Maharashtra	Sunflower
Sehore	J.N.Krishi Vishwa Vidyalaya	Madhya Pradesh	Soybean
Semiliguda	OUAT	Orissa	Niger
Shillogani	AAU	Assam	Sesame
			Rapeseed-Mustard
Shirgaon	Dr.BSKKV	Maharashtra	Groundnut
Solapur	MPAU	Maharashtra	Safflower
Sriganganagar	RAU	Rajasthan	Rapeseed-Mustard
Tandur	ANGRAU	Andhra Pradesh	Safflower
Tikamgarh	JNKVV	Madhya Pradesh	Sesame
Tindivanam	TNAU	Tamil Nadu	Groundnut
Tirupati	ANGRAU	Andhra Pradesh	Groundnut
Udaipur	MPUA&T	Rajasthan	Groundnut
Varanasi	NAU	Uttar Pradesh	Rapeseed-Mustard
			Sesame & Niger
Vridhachalam	TNAU	Tamil Nadu	Groundnut
			Sesame & Niger
Vyara	JAU	Gujarat	Groundnut
Yellamanchili	ANGRAU	Andhra Pradesh	Sesame
Yethapur	TNAU	Tamil Nadu	Castor

Source: Approved copy of XII Plan EFC Document of Oilseeds, IIOR, Hyderabad

28.7 Oilseeds Production Programme

Integrated Scheme of Oilseeds, Pulses, Oil palm and Maize (ISOPOM) (Converging the erstwhile schemes of OPP, NPDP, AMDP & OPDP)
Technology Mission on Oilseeds & Pulses
Research & Development in Post Harvest & Processing Technology (PHT) in Oilseeds, Pulses, Oil palm and Maize including TMOP
Integrated Development of Tree Borne Oilseeds being implemented by NOVOD Board
Directorate of Oilseeds Development
National Oilseeds and Vegetables Oils Development (NOVOD) Board
Intensive Cotton Development Programme
National Seeds Corporation (NSC)
State Seed Corporations
Public Distribution System
Ministry of Food and Civil Supplies, GOI
State Departments of Civil Supplies
Marketing Support
National Dairy Development Corporation (NDDB)
Oilseeds Growers' Federations
Oilseeds Trade Associations
Vanaspati Industry
Ministry of Food and Civil Supplies, GOI
Directorate of Vanaspati, Vegetable Oils and Fats
State Trading Corporation
Import of Vegetable Oils
Ministry of Commerce, GOI
Export of Oils and Oilseed Produce
NAFED House, Siddhartha Enclave, Ring Road, Ashram Chowk, New Delhi-110014, Telephone EPABX : 011-26340019, 26341810, Fax : 091-11-26340261, http://www.nafed-india.com/home.asp
Indian Oil and Produce Exporters' Association (IOPEA)
Central Organisation for Oil Industry and trade (COOIT)
State Trading Corporation
Oilseeds Export Promotion Councils
Price Support
Commission for Agricultural Costs and Prices, GOI
National Agricultural Cooperative Marketing Federation
Processing Technology
Council of Scientific and Industrial Research (CSIR)
Central Food Technological Research Institute (CFTRI)
Indian Standards and Specifications
Bureau of Indian Standards (BSI)
Agmark standards, Directorate of Marketing and Inspection, GOI

28.8. Acts and Regulations Relevant for Oils and Oilseeds

The Agriculture Produce Cess Act, 1940
The Agricultural Produce (Grading & Marketing)Act, 1937
The Edible Oils Packaging (Regulation) Order 1998.
The Vegetable Oil Products Control Order, 1947
The Insecticides Act 1968
The Insectides Rules 1971
Insecticides (price, stock display and submission of reports) Order 1986
Fertilizer (control) order 1985
Fertilizer (Movement) control order 1973
The Vegetable Oil Products (Regulation) Order, 1998
The Vegetable Oil Products (Regulation) Second Amendment Order, 2000
The Solvent Extracted Oil, De-oiled Meal and Edible Flour Control Order, 1967
The Essential Commodities Act, 1955
The Essential Commodities (Special provision) Act, 1981
The Essential Commodities (Amendments) Ordinance, 1998
The Prevention of Food Adulteration Act, 1954 & Rules 1955
The Prevention of Black Marketing & Maintenance of Supplies of Essential Commodities Act, 1980
The Seeds Act, 1966
The Seed rules, 1968
The Pulses, Edible Oilseeds and Edible Oils Storage (Control) Order, 1977
The Seed (Control) Order, 1983
The Consumer Protection Act, 1986
The Plants, Fruits and Seeds (Regulation of import into India) Order, 1989
The Indian Standard Institution (Certification) Marks) Act, 1952
The Packaged Commodities Order 1971
Blended Vegetable Oils Grading and Marketing Rules 1991
The Forward Contracts (Regulation) Order 1998
The Standards of Weights and measures Act, 1976
The Standards of Weights and measures (General) Rules, 1987
The Standards of Weights and measures (Enforcement) Act, 1977
The Standards of Weights and measures (Packaged Commodities) Rules, 1977
Plant Quarantine (Regulation of Import into India) Order, 2003
Plant Quarantine (Regulation of Import into India) (Amendment) Order, 2004
Plant Quarantine (Regulation of Import into India) (second Amendment) Order, 2004
Plant Quarantine (Regulation of Import into India) (third Amendment) Order, 2004
Plant Quarantine (Regulation of Import into India) (first Amendment) Order, 2005
Plant Quarantine (Regulation of Import into India) (second Amendment) Order, 2005
Plant Quarantine (Regulation of Import into India) (Amendment) Order, 2006
Plant Quarantine (Regulation of Import into India) Order (Corrigendum), 2006
Plant Quarantine (Regulation of Import into India) (Amendment) Order, 2006

Plant Quarantine (Regulation of Import into India) (First Amendment) Order , 2006
Plant Quarantine (Regulation of Import into India)(First Amendment) Order ,2007
Plant Quarantine (Regulation of Import into India) (Second Amendment) Order, 2007
Plant Quarantine (Regulation of import into India) (First Amendment) Order, 2008
Plant Quarantine (Regulation of Import into India) (Second Amendment) Order, 2008
Plant Quarantine (Regulation of Import into India) (First Amendment) Order, 2011
Plant Quarantine (Regulation of Import into India) (Second Amendment) Order, 2011
Plant Quarantine (Regulation of Import into India) (First Amendment) Order, 2012
Plant Quarantine (Regulation of Import into India) (Second Amendment), Order, 2012
Plant Quarantine (Regulations of Import into India) (Fourth Amendment) Order, 2012
Plant Quarantine (Regulation of Import into India) (First Amendment) Order, 2013
Plant Quarantine (Regulation of Import into India) (Second Amendment) Order, 2013
Plant Quarantine (Regulation of Import into India) (Third Amendment) Order, 2013
Plant Quarantine (Regulation of Import into India) (Fourth Amendment) Order, 2013
Plant Quarantine (Regulation of Import into India) (Fifth Amendment), Order, 2013
Plant Quarantine (Regulation of Import into India) (First Amendment) Order, 2014
Plant Quarantine (Regulation of Import into India) (Second Amendment) Order, 2014
Plant Quarantine (Regulation of Import into India) (Third Amendment) Order, 2014
Plant Quarantine (Regulation of Import into India) (Fourth Amendment) Order, 2014
Plant Quarantine (Regulation of Import into India) (Fifth Amendment) Order, 2014.
Plant Quarantine (Regulation of Import into India) (Sixth Amendment) Order, 2014
Plant Quarantine (Regulation of Import into India) (First Amendment) Order, 2015
Plant Quarantine (Regulation of Import into India) (Second Amendment) Order, 2015.
Plant Quarantine (Regulation of Import into India) (Third Amendment) Order, 2015
Plant Quarantine (Regulation of Import into India) (Fourth Amendment) Order, 2015
Plant Quarantine(Regulation of Import into India) (First Amendment) Order, 2016
Plant Quarantine (Regulation of Import into India) (Third Amendment) Order, 2016.

Source: DAC, Min. of Agric., GOI; www.agricoop.nic.in; www.plantquarantineindia.org;

28.9 Number of Scientists in Oilseeds Research

Institution	Number of Scientists
ICAR- Indian Institute of Oilseeds Research	43
AICRP on Sunflower, Safflower and Castor	90
ICAR- Directorate of Groundnut Research	33
AICRP on Groundnut	64
ICAR- Indian Institute of Soybean Research	26
AICRP on Soybean	52
ICAR- Directorate of Rapeseed-Mustard Research	31
AICRP on Rapeseed & Mustard	81
AICRP on Sesame and Niger	53
AICRP on Linseed	38
ICAR- Indian Institute of Oil Palm Research	49
Regional Center of IIOPR, Palode, Kerala	12
ICAR- Central Plantation Crops Research Institute	120

Source: Plan Document and Annual Reports and WEB Sites of concerned Institutes

28.10 Funds Released to States under OPP and ODP

Year	Oilseeds Production Programme Amount released (₹ in thousand)	Oilpalm Development Programme Amount released (₹ in thousand)
2001-02	91,22,00	85000
2002-03	76,00,00	39500
2003-04	88,66,00	40804

28.11 ICAR Budget Allocation for Oilseeds Crop Research**28.11.1 Budget of ICAR-IOR and AICORPO during Plan Periods**

(₹ In Lakhs)

Plan Period	Plan	Non-Plan	Total
1969-74(IV)	150	xxx	150
1974-79(V)	292	xxx	292
1979-80(Annual)	111.2	xxx	111.2
1980-85(VI)	484.66	xxx	484.66
1985-90(VII)	729.2	119.65	848.85
1990-91(Annual)	242.67	76.87	319.54
1991-92(Annual)	345.14	72.04	417.18
1992-97(VIII)	1660.37	489.74	2150.11
1997-2002 (IX)\$	2740.01	1247.12	3987.13
2002-2007 (X)\$	2689.40	2271.00	4960.40
2007-2012 (XI)	5167.00	4952.11	5167.00
2012-17 (XII) @	9428.57	(2012-13 to 2014-15)	14380.68

\$AICRP at DOR includes Sunflower, Safflower and Castor for IX and X Plan period (ICAR share) @AICRP at DOR includes Sunflower, Safflower, Castor, Sesame & Niger and Linseed for XII Plan period (ICAR Share + State Share)

Source: DOR Perspective Plan Approved copy of XII Plan EFC on Oilseeds

28.11.2 Budget Allocation and Expenditure of ICAR-IIOR and AICRP

(In ₹ Lakhs)

Year	Allocation			Expenditure				
	Plan		Non-Plan	Total	Plan		Non-Plan	Total
	DOR	AICRP			DOR	AICRP		
1993-94	280.00	...	90.00	370.00	279.99	...	88.49	368.47
1994-95	360.00*	...	90.00	450.00	359.99*	...	89.992	449.982
1995-96	284.07*	...	102.00	386.07	284.068*	...	101.99	386.058
1996-97	300.00	...	135.00	435.00	300.00	...	135.00	435.00
1997-98	100.48	469.55	186.00	756.03	100.48	469.55	178.28	748.31
1998-99	608.00*	...	306.25	914.25	106.88	501.11	272.25	880.25
1999-00	580.00*	...	263.00	843.00	119.63	460.37	249.00	829.00
2000-01	390*	...	270	660	168.22	221.75	269.61	659.58
2001-02	356*	...	302	658	160.98	195.02	277.98	633.98
2002-03	536*	...	358	894	136	398.43	328	862.43
2003-04	515.79*	...	438	953.79	515.60*	...	438	953.60
2004-05	530*	...	488	1018	530*	...	464	994.00
2005-06	672.51*	...	537	1209.51	672.51*	...	537	1209.51
2006-07	410.45*	...	567	977.45	410.45*	...	534.33	944.78
2008-09	370.76	472.00	862.90	1705.66	370.75	472.00	862.90	1705.65
2009-10	400	517	1164.90	2081.90	400	517	1164.90	2081.90
2010-11	500.00	840.00	1105.19	2445.19	500.00	840.00	1105.19	2445.19
2011-12	287.00	1223.00	1295.75	2805.75	287.00	1223.00	1295.72	2805.75
2012-13	405.00	1100.00	1571.50	3076.50	405.00	1100.00	1571.42	3076.42
2013-14	410.00	2177.00	1617.78	4204.78	410.00	2177.00	1571.80	4158.80
2014-15	345.00	1882.00	1818.00	4045.00	345.00	1882.00	1808.90	4035.90

*Including AICRP

Source: Various issues of DOR Annual Reports

28.11.3 Budget of ICAR-DRMR (Formerly NRCRM) During Plan Periods

(₹ In Lakhs)

Plan Period	Plan	Non-Plan	Total
1992-97(VIII)	350	..	350
1997-2002 (IX)	2106	478.85	2584.85
DRMR	935.08	475.78	1410.86
AICRP (R&M)	922.20	...	922.20
2002-2007 (X)\$	9422.90		
DRMR	736.30	844.32	1580.62
AICRP (R&M)	1698.80	...	1698.80
2007-2012 (XI)\$	4487.00		4487.00
2012-17 (XII) \$	9422.90		9422.90

\$ Including AICRP (R&M) (ICAR Share + State Share)

28.11.4 Budget of ICAR-IOP (Formerly NRCOP) During Plan Periods

Plan Period	Plan	Non-Plan	Total
1992-97(VIII)	184.7	..	184.7
1997-2002 (IX)	574.15	421	995.15
2002-2007 (X)	749	1020	1769

28.11.5 Budget of ICAR-DGR (Formerly NRCG) During Plan Periods

Plan Period	Plan	Non-Plan	Total
1980-85(VI)			95.17
1992-97(VIII)	480.87	294.65	775.52
1997-2002 (IX)	1524.03	900.3	2424.33
2002-2007 (X)\$	2608.3	1225	3833.3
2007-2012 (XI)\$	3461.00		3461.00
2012-17 (XII) \$	8764.53		8764.53

\$ NRCG and AICRP on Groundnut (ICAR Share + State Share)

28.11.6 Budget of ICAR-IISR (Formerly NRC- Soybean) During Plan Periods

Plan Period	Plan	Non-Plan	Total
1991-92	129.54	22.59	152.13
1992-93	57	25.48	82.48
1993-94	54.34	24.28	78.62
1994-95	91.81	25.68	117.49
1995-96	100	20	120
1996-97	120	24	144
1997-98	160	29	189
1997-2002 (IX)	1003.59	386.00	1395.59
2002-2007 (X)\$	1550.47	1079.40	2629.87
2007-2012 (XI)\$	3006.00		3006.00
2012-17 (XII) \$	7933.01		7933.01

\$ NRCS and AICRP on Soybean (ICAR Share + State Share)

AICRP on Sesame and Niger	664.83	...	664.83
1997-2002 (IX)	1113.89	22	1135.89
2002-2007 (X)			
2007-2012 (XI)	1944.00		1944.00
2012-17 (XII) \$	3499.00		3499.00

AICRP on Sesame & Niger (ICAR Share + State Share)

AICRP on Linseed	552.6	...	552.6
1997-2002 (IX)	967.58	...	967.58
2002-2007 (X)			
2007-2012 (XI)	1512.00		1512.00
2012-17 (XII) \$	3586.89		3586.89

AICRP on Linseed (ICAR Share + State Share)

Source: Perspective Plan Documents of concerned Institutes and Plan Documents; Approved copy of XII Plan EFC on Oilseeds

28.12 Organisations Working in Oilseeds Research and Development

India

ICAR-Indian Institute of Oilseeds Research
Rajendranagar, Hyderabad - 500 030
Andhra Pradesh, India
Telephone: (040) 24015344/24015463/24015345
Grams: SODHTELHAN
Fax No: +91-040-24017969
E-mail: director.iior@icar.gov.in

ICAR-Directorate of Groundnut Research
PO Box 5, Junagadh 362001 Gujarat
Phones: +91 0285 2673041, 2672461
Fax: +91 0285 2672550
Fax: +91 0285 2672550
Grams Gnutsearch

ICAR-Indian Institute of Oil Palm Research
Pedavegi – 534 450
West Godavari District
Andhra Pradesh, India
Grams: PALMSEARCH, Eluru,
Phone: 91-08812-259532, 259524,
Fax: 91-08812-259531
Email: director.iopr@icar.gov.in; dopr2009@gmail.com,
Website: http://dopr.gov.in

ICAR-Directorate of Soybean Research
Bhawerkua Farm,
Khandwa Road Indore-452 001
Madhya Pradesh
Telephone 0731-2476188
Grams: SOYSEARCH
Fax009- 0731-47052
E-mail: director@nrcsoya.com
director@nrcsoya.nic.in

ICAR-Directorate of Rapeseed-Mustard Research
Sewar. Bharatpur (Raj.) 321 303, India
Phone:05644-260379/260495
Fax: 05644-260419/260565

VMA Oilseeds Research and Development Institute
Harilela House, 6th Floor 28/32,
Mint Road, Mumbai-400 001 Maharashtra

Foreign

Institute for Research on Vegetable Oils
(Essential Aromas And Cosmetics Of Vietnam, Irvac)
104, Huynh Van Banh Ho Chi Minh City, Vietnam

Institute De Recherches Pour Les Heciles Et (IRHO)
Research Institute for Oil and Oilseeds
11, Square Petrar Queve 75116 Paris France

Institute of Wheat and Sunflower
General Toshevo 9 520
Bulgaria

National Institute Of Oilseed Products111, Sutter St San
Francisco, Ca 94104 USA

National Soybean Research Laboratory
170 NSRC
1101 W. Peabody Drive Urbana, IL 61801
217-244-1706 (phone)
217-244-1707 (fax)
nsrl@illinois.edu

National Research Centre for Oil Crops
Inia, Finca Alameda Del Obispo Apartado
240 Cordoba Spain

National Peanut Research Lab
1011,Forrester Dr.,
Se Dawson Ga 31742 USA

Nigerian Institute for Oil Palm Research (NIFOR)
Pmb 1030, Benin City Nigeria

Oil Crops Plant Protection Institute,
Dekki, Cairo, Egypt

Oil Crops Research Institute
Chinese Academy of Agricultural Sciences
No2 Xudong Second Road Wuhan,
Hubei Province P.R.China Postal code: 430062
Phone: 0086-27-86811837
Homepage: www.oilcrops.cn
Fax: 0086-27-86816451

Oil Crops Research Station
Field Crops Research Institute,
Giza, Cairo, Egypt

Oil Palm Research Centre,
Council for Scientific and Industrial Research,
Po Box 74 Kade, Ghana
Oilseeds Research Programme,
Research and Training Institute
Naliendele P.O. Box 509
Metwara, Tanzania

Oilseeds Research Project,
Seclute Experimental Station, Box 355, Songia, Tanzania

Malaysian Palm Oil Board
6, Persiaran Institusi Bandar Baru Bangi
Selangor 43000 Kajang P.O. Box 10620

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50720 Kuala Lumpur Tel: 603-8769 4400
Fax: 603-8925 9446
Tel: 603-8769 4400
Fax: 603-8925 9446
<http://www.mpob.gov.my/>

Palm Oil Research Institute of
No 6, Persiaran Bangi
43000 Kajang Selangor Darul Ehsan
Malaysia
Tel: 603-8259155, 603-8259775
Fax: 603-8259446
Telex: MA 31609

Palm Oil Technology Lab
Malaysian Agricultural
Research and Development Institute Serdang,
Selangor, Malaysia

Sesame Research Laboratory,
Henan Academy of Agricultural Sciences,
Zhengzhou, China

Soybean Research Foundation
115, N Perry St.,
Mason City Il 62664 , USA
Soybean Research Institute
University of Maryland
Eastern Shore Pre, Prensuss Anne
Maryland 21853 USA

Oilseeds Development Organisations

India

Coconut Development Board
Kera Bhavan, SRVHS Road, Kochi,
Kerala State - 682011, INDIA
Phone: 91 - 484 - 2376265, 2377267,
2376553
Fax: 91 - 484 - 2377902
cdbkochi@dataone.in
cdbkochi@gmail.com

Directorate of Cotton Development
14 Ramjibhai Kamani Marg, Ballard Estate
Bombay-400 038
Telephone 022-22611964/26611965
Fax 022-22611449
E-mail dcd@nic.in

Directorate of Non-Edible Oils and Soap Industry,
KVIC, Gramodaya, Irla Road, Vileparle
Bombay-400 056
Directorate of Oilseeds Development
Telhan Bhavan, Himayatnagar
Hyderabad-500 029
E-mail apos@ap.nic.in

Directorate of Vanaspati
Vegetable Oils and Fats
Ministry of Food And Civil Supplies
Block No. 2, 5th Floor, C.G.O Complex
Lodi Road New Delhi-110 003

National Oilseeds and Vegetable Oils Development
(NOVOD) Board,
(Ministry of Agriculture, Department of Agriculture and
Co-operation)
Government of India
86, Sector-18, Institutional Area
Gurgaon – 122015 (Haryana)
Phone 0124-2399258
E-MAIL: novod@novodboard.com
<http://www.novodboard.com/>

Technology Mission on Oilseeds
2nd Floor B Wing, Janpath Bhavan
Janpath, New Delhi-110 001

Foreign

National Oilseed Development Programme
Navalpur, Sarlahi Janakpur Zone
Nepal

Oilseeds Board,
P.O. Box 211 Pretoria 0001 South Africa

Oilseeds Research and Development Co.
146 Shah-Abbas Kabir Avenue
Tehran, Iran

Peanut Marketing Board,
P.O. Box 26, Kingarory
Queensland Australia 071622

Associations

India

All India Cottonseed Crushers Association
Khetan Bhavan, 6th Floor, 198,
198 Khetan Bhvn 6th Floor, Churchgate,
J Tata Road, Mumbai - 400020
022-22821962, 228272151, 22821935, 22821965
aicosea@vsnl.net

The Bombay Commodity Exchange Ltd
Plot No. 2, 3 & 4 Sector – 19 Vashi, Navi Mumbai
Mumbai-400705 Maharashtra, India
Tel: 7666044, 7652593, Fax: 7662597
E-mail: booeind@bom3.vsnl.net.in

Bombay Oilseeds and Oils Exchange Ltd., (BOOE)
Jenabai Building, Post Box No. 13009,
Uysuf Meheralli Road, Bombay-400 020
Maharashtra Telephone 321510
Grams : SEEDSTRADE

The Central Organisation for Oil Industry & Trade
4-M DCM Building, 16 Barakhamba Road
New Delhi - 110001
Telephone: 011 - 43563700, 23712058
Fax : 011 - 23719140
Email: info@cooit.org
http://www.cooit.org/

Groundnut Extractions Export Development Association
142/A, Mittal Towers, 14th Flr., A Wing,
Nariman Point, Mumbai-21
Tel: 22830089 Fax: 22830123
Email: geeda@vsnl.com

Indian Oil and Produce Exporters Association (IOPEPC)
78/79, Bajaj Bhavan, Nariman Point,
Mumbai - 400021. Maharashtra, India.
(91 - 22) 2202 3225 / 9295
(91 - 22) 2202 9236
http://iopepc.org/

Indian Society of Oilseeds Research
C/o Directorate of Oilseeds Research ,
Rajendranagar, Hyderabad-500 030
Andhra Pradesh

Indian Vegetable Oil Export Association
78/79, Bajaj Bvn., 7th Flr., Nariman Point, Mumbai-21
Tel:22023225 Fax:22029236
Email:iopea@bom3.vsnl.net.in

The Indian Vanaspati Producers Association
908-909, Padma Tower-1 5,
Rajendra Place, New Delhi-110008
Phone: 25724310, 25714217, 24522215
Fax 25714217

Mustard Research and Promotion Consortium
307, Jyoti Shikhar Building,
District Centre Janakpuri, New Delhi - 110 058, India
Ph: 91-11-25557293, 25557587
E. Mail : admin@mrpc.co.in
Website : www.mrpc.co.in

The Minor Oilseeds Processors Association of India
C/o. Orissa Oil Industries Ltd., 25,
Ganesh Chandra Avenir
Calcutta-700 013, West Bengal
Telephone 262510
Tx 021-2916, Grams Saloil

The Oils and Seeds Importers Association of India
78-79, Bajaj Bhavan, 7th Floor Backbay Reclamation,
Nariman Point, Bombay-400 021, Maharashtra
Telephone : C/o. 2029295
Tx 011-85637 Tope

Oil Technologists' Association of India - Head Quarter
C/O Harcourt Butler Technological Institute (HBIT)
Nawab Ganj, Kanpur - 208 002. INDIA
Ph.No.: 91-512-2581111, 2563357, 2533967
Fax No.: 91-512-2583418
Email: mail.hq@otai.org (or) gen.secretary@otai.org
Website: www.otai.org

The Solvent Extractors Association of India
142, Jolly Maker Chamber, No.2, 14th Floor,
Backbay Reclamation 225, Nariman Point,
Mumbai-400 021, Maharashtra
Telephone 2021475, 2822979
Fax 91-22 2021692
E-mail: solvent@vsnl.com
Website: http://www.seaofindia.com

The Soybean Processors Association of India
Scheme No. 53, Near Malviya Nagar, A.B. Road, Indore
Phone : +91-731-2556530-33
Fax : +91-731-4004300
http://www.sopa.org/

The Vanaspati Manufacturers Association of India
903, Akashdeep Building,
9th Floor, 26-A, Barakhamba Road,
New Delhi-110 001
Grams: VANASSOC, Fax: 011-3315698

Foreign

African Groundnut Council (AGC)
11, Ahmadu Bello Road,
Victoria Island, B.P.3025 Lagos, Nigeria

African Oil Palm Development Association,
Afopda, Bp 341, Abidjan 15,
Cote D'ivoire

American Soybean Association
ASA World Headquarters •
12125 Woodcrest Executive Drive, Suite 100,
Saint Louis, MO 63141 • 314-576-1770
http://www.soygrowers.com/

American Oil Chemists Society
2710 S. Boulder
Urbana, IL 61802-6996 USA
Phone: +1 217-359-2344
Fax: +1 217-351-8091
Email: general@aocs.org

Asian and Pacific Coconut Community (APCC)
3rd Floor,
Wisma Bakrie, Jalan Rasuna Said,
P.O. Box 343, Jakarta 12920

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Australian Oilseeds Federation
PO Box H236
AUSTRALIA SQUARE NSW 1215
Tel: 02 8007 7553
Fax: 02 8007 7549
<http://www.australianoilseeds.com/>

International Castor Oil Association
24 Burton Avenue
Woodmere, New York 11598 USA
Fax: 516-569-6940
icoa@icoa.org.

National Sunflower Association
2401 46th Avenue SE, Suite 206
Mandan, ND 58554-4829
(701) 328-5100
(888) 718-7033
fax 701-663-8652 (NEW)
<http://www.sunflowernsa.com/>

Papua New Guinea Oil Palm
Research Association, Lae,
Papua New Guinea

Canola Council of Canada
400 - 167 Lombard Avenue
Winnipeg, MB R3B 0T6
Phone: (204) 982-2100
Toll-free: (866) 834-4378
Email: admin@canolacouncil.org

Oilseeds Growers' Federations
Andhra Pradesh Cooperative Oilseeds
Grower's Federation Ltd.,
9th Floor, Parishram Bhavan,
Hyderabad-500 029
Andhra Pradesh

Gujarat Cooperative Oilseeds Growers
Federation Of Ltd.,
4th Floor, Narayan Chambers,
Ashram Bhavan Road,
Ahmedabad-380 009, Gujarat

Karnataka Cooperative Oilseeds
Grower's Federation Ltd.,
17, Richmond Road
Bangalore-560 025

Madhya Pradesh Cooperative Oilseeds
Grower's Federation Ltd.,
214, Maharana Pratap Nagar, Bhagwan Complex,
Bhopal-462 001, Madhya Pradesh

Maharashtra State Cooperative Grower's Federation
P.B.No 104, 24 Ramdas Colony,
Jalgaon-425 001, Maharashtra

Orissa State Cooperative Grower's Federation Ltd.
D-2, Shaheednagar
Bhubaneshwar-751 007, Orissa

Tamil Nadu Cooperative Oilseeds Grower's Federation Ltd.,
42, Pantheon Road, Mercury Apartment, Egmore,
Madras-600 008, Tamil Nadu

Rajasthan State Cooperative Grower's Federation Ltd.,
Nehru Sahkar Bhavan, Bhavani Singh Road
Jaipur, Rajasthan, Telephone 65997,60222
Tx 0365-2018 Tilam In

28.13 Periodicals and CD-ROM Databases in Oilseeds

PERIODICALS

- Brassica (BM)
Mustard Research & Promotion Consortium, New Delhi
- COOIT Update (Q)
Central Organization for Oil Industry and Trade
Bombay
- Cruciferaea Newsletter (A)
Station d' Amelioration des Plantes, INRA, LE RHEU,
France
- Canadian Open Cereals and Oilseeds Journal
Canadian Research Publication, Canada
- DOR Newsletter (HY)
Directorate of Oilseeds Research, Hyderabad
- Food Oils press
PACT Inc., USA
- Groundnut News (HY)
National Research Centre for Groundnut, Junagadh
- Helia (HY)
Institute of Field and Vegetable Crops, University of Novi
Sad, Yugoslavia INTSOY Newsletter (BA)
International Soybean Program, University of Illinois,
USA
- IPS News Bulletin: Vegetable Oils, Soap & Detergent
Industry (W)
IPS Press Service, New Delhi
- Inform (M)
AOCS Press, USA
- International Arachis Newsletter (Q)
ICRISAT, Patancheru, Hyderabad, India
- Jojoba Happenings (Q)
Office of Arid Land Studies,
College of Agriculture, University of Arizona, USA
- Journal of Lipid Science and Technology, (Q)
IICT, Hyderabad
- Journal of the American Oil Chemists Society (M)
American Oil Chemists Society, USA
- Journal of Edible Oil Industry
Business Association of Vegetable Oils and Fats
Producers of Yugoslavia, Yugoslavia
Journal of the Oil Technologists Association of India (Q)
Oil Technologists Association of India, C/o Dept.,
Chemistry, University of Bombay, India
- Journal of Palm Oil Research (HY)
formerly known as ELAEIS)
The Palm Oil Research Institute
of Malaysia (PORIM)
- Journal of Oilseeds Research (HY)
Indian Society of Oilseeds Research, DOR, Hyderabad,
- Journal of Oilseeds Brassica
Society for Rapeseed & Mustard, Bharatpur, Rajasthan
- International Journal of Cereals and Oilseeds,
Academic & Scientific Publishing, UAS
- International Journal of Agriculture and Food Technology
Academic & Scientific Publishing, UAS
- Lipid: Journal for Science and Technology of Fats, Oils
and Waxes (M)
VCH Verlagsgeellschaft, mbH, Germany
- Journal of the Nigerian Institute for Oil Palm Research
NIFOR, Nigeria
- Journal of Essential Oil Research
Taylor & Francis
- Lipid Technology (BM)
PJ Barness Associates, UK
- NRC Oil Palm News (Q)
National Research Centre for Oil Palm, Pedavegi,
Andhra Pradesh
- OSDOC Press Gleanings (Q)
Directorate of Oilseeds research, Hyderabad
- OCL - Oilseeds and fats, Crops and Lipids
EDP Sciences - France
Oils & Fats International (5 issues per year)
International trade Publications Ltd., USA
- Oil Crops in China
Institute of Plant protection, Chinese Academy of Agril
Sciences, Beijing
- Oil Palm Industry Economic Journal (HY)
The Palm Oil Research Institute
of Malaysia (PORIM)
- Oil Palm News
Tropical products Institute, Oil Palm Advisory Bureau,
London
- Oil World (Q)
ISTA Mielke, Gmbh, Germany

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Oleoscope (M)

Centre Technique Interprofessionnel des Oleagineux
Metropolitains (CENTIOM), France

Oils and Fats Review (M)

Oilseeds Research Foundation, Calcutta

Oilseeds & Industrial Crops (Q)

Processors & Grower's Research Organisation,
34, Cavendish Road, London, NW6 7xp, U.K.

Oils and Oilseeds Journal (M)

Bombay Oilseeds and Oils Exchange Ltd.

Oilseeds & Oils(Daily)

Bombay Oilseeds and Oils Exchange Ltd.

Palm Oil Developments (HY)

The Palm Oil Research Institute
of Malaysia (PORIM)

Peanut Research (Q)

American Peanut Research and Education, Tifton, USA

Peanut Science (M)

American Peanut Research and Education Society,
Tifton, USA

Plant Horti Tech (BM)

AVT Plantations and Horticulture Consultants,
Bangalore

Sesame and Safflower Newsletter (A)

Institute of Sustainable Agriculture, Spain

SAARC Oil and Fats Today (M)

Media Today Publication Ltd., New Delhi

Agri-Research Service, USDA, USA

Sarson News (HY)

National Research Centre on Rapeseed-Mustard,
Bharatpur, Rajasthan

SEA News (M)

The Solvent Extractors Association of India, Bombay

SOPA Newsletter(M)

Soybean Processors Association of India, Indore

Soybean Abstracts (Q)

CAB International (CABI), UK

Soybean Genetics Newsletter (A)

Soysource Newsletter

United Soybean Board, USA.

Soyline Newsletter,

United Soybean Board, USA.

Uljarsto: Journal of edible Oil Industry

Business Association of Vegetable Oils and Fats
Producers, Yugoslavia

CD-ROM DATABASES

AGRIS on CD

AGRICOLA

CABCD

CABPESTCD

Crop Science Database

CURRENT CONTENTS SEARCH

FROSTI Food Science and Technology

FSTA (Food Science and Technology Abstracts)

PlantGene CD

SOILCD

CABSACCD

Crop protection Compendium on CD

28.14 Internet Search Engines and useful Web Sites

INTERNET SEARCH ENGINES

Altavista	http://www.altavista.com
Ask Jeeves	http://www.askjeeves.com
Direct hit	http://www.directhit.com
Excite	http://www.excite.com
Fast Search	http://www.alltheweb.com
Do(Infoseek)	http://www.go.com
Lycos	http://www.lycos.com
Hot Bot	http://www.hotbot.com
Inktomi	http://www.inktomi.com/products/portal/search/tryit.html
Northern Light	http://www.northernlight.com
Google	http://www.google.com
IBM Clever Project	http://www.almaden.ibm.com/cs/k53/clever.html
Research Index	http://www.researchindex.com
Sherlock Hound	http://www.sherlockhound.com

USEFUL WEB SITES

National Portal of India / Archives	http://www.india.gov.in
ICAR-Indian Institute of Oilseeds Research	http://icar-iior.org.in/
ICAR	http://www.icar.org.in/
ICRISAT	http://www.icrisat.org
DAC, GOI	http://agricoop.nic.in/
DARE, GOI	http://dare.nic.in/
National Seeds Research & Traing Centre	http://www.dacnet.nic.in/
ARS(USDA)	http://www.ars.usda.gov
Current World Markets and Trade and World Agricultural Production Reports/ Global Agricultural Trade System (U.S. Exports and Imports)/ Production, Supply and Distribution Database (PSD Online) / Export Sales Report	http://www.apps.fas.usda.gov
Archives World Markets and Trade and World Agricultural Production Reports	http://www.usda.mannlib.cornell.edu
Global Agricultural Information Network (Agricultural Attaché Reports):	http://www.gain.bas.usda.gov
World Agricultural Supply and Demand Estimates (WASDE):	http://www.usda.gov/oce/commodity/
Economic Research Service	http://www.ers.usda.gov/topics/crops
National Agricultural Statistics Service	http://www.nass/usda/gpv/publication
NAL Library	http://www.nal.usda.gov
Agril. Economis	http://www.aeco.ttu.edu/aecove
Information system for genetic resources	http://www.dainet.de/genres/genres-e.htm
Agril marketing/prices etc.,	http://www.aec.msu.edu/agecom/fs2/market/contents.htm

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FICCI	www.agroindia.com
APEDA	www.apeda.com
Seed	www.seedquest.com
Agrisurf	www.agrisurf.com
FAO	www.fao.org
DGCIS, Kolkata	http://commerce.gov.in
SEA	http://www.seaofindia.com
Commodity Intelligence	www.commodityindia.com
Cotton trading	www.pcsadv.com/gmsa
IOPIA, India	http://www.iopea.com
SOPA, India	http://www.sopa.org
Palm Oil Research Institute of Malaysia	http://mastic.gov.my/kstas/irpatech/porim.htm
Oil palm	http://www.oilpalm.net
Peanut database	http://nespal.cpes.peachnet.edu.peanutdb
Sunflower	http://www.helianthus.com
Oilcrops	http://www.fhsu.edu/agriculture/oilcrops.htm
Internet IPM Resources Database on Oilseed crops	http://www.ippc.orst.edu/cicp/crops/oilseed.htm
Agricultural Statistics	http://www.library.uiuc.edu/agx/agstats/intro.asp
Indian Agristat.com	http://www.Indiaagrstat.com
GOI Directory of web sites	http://goidirectory.nic.in/
Consortium on E-Resources in Agriculture	http://www.cera.jccc.in
National Oilseeds and Vegetable Oil Development (NOVOD) Board	http://www.novodboard.com
National Bank for Agriculture and Rural Development	https://www.nabard.org
National Archives and Records Administration	http://www.archive.gov.in
ICAR Research Data Repository for Knowledge Management	http://www.krishi.icar.gov.in
Indian Journal Directory	http://directory.indianjournals.com
CastorOil.in: Castor Oil Industry References and Resources	http://www.castoroil.in
Oilseeds Group USDA	http://www.fas.usda.gov
Australian Oilseeds Federation	http://www.australianoilseeds.com
Food and Agriculture Policy Research Institute (FAPRI) International Oilseeds Model	http://www.fapri.org
Natural Resources Institute – Oilseeds Research	http://www.nri.org
International Association of Seed Crushers	http://www.iasc-oils.or
Oilseeds Info & Statistics from Fediol	http://www.fediol.eu
Castor Oil Sourcing Directory	http://www.castoroil.in
USA National Oilseeds Processors Association	http://www.nopa.org

Commission for Agricultural Cost & Prices(CACP)	http://cacp.dacnet.nic.in/
Ministry of Statistics and Programme Implementation	http://mospi.gov.in
Central Statistical Office	http://cso.gov.bw
Directorate of Oilseeds Development (DOD)	http://oilseeds.dacnet.nic.in
National Institute of Agric.Marketing	http://www.ccsniam.gov.in
National Seed Corporation (NSC)	http://www.indiaseeds.com
Reserve Bank of India	http://www.rbi.org.in
ICAR- Directorate of Repeseed-Mustard Research	http://www.drnr.res.in
ICAR-Directorate of Soybean Research	http://www.nrcsoya.nic.in
ICAR-Directorate of Seed Research	http://seedres.in
ICAR-Indian Institute of Oilpalm Research	http://www.dopr.gov.in
ICAR-IASRI	http://www.iasri.res.in
Oilseeds Division, DAC, Min. of Agric., GOI	http://www.nmoop.gov.in
DAC, Development Schemes of Gol.	http://www.agricoop.nic.in
American Peanut Council, Washington	http://www.peanutsusa.com
National Peanut Board, Atlanta, GA	http://nationalpeanutboard.org
The Peanut Institute, Albany, Georgia	http://www.peanut-institute.org
USAID - Peanut Collaborative Research Support Program (CRSP)	http://peanutcrsp.org
National Seeds Corporation Limited, New Delhi	http://www.indiaseeds.com
Protection of Plant Varieties and Farmers' Rights Authority, Govt. of India	http://www.plantauthority.gov.in
NMOOP Oil Seeds development schemes/Guidelines/ Circulars	www.nmoop.gov.in
AGMARKNET - Market arrivals and prices	http://agmarknet.nic.in
APEDA – Oilseed export	http://www.apeda.com
Tree Oils India Limited, Telangana	http://www.treesoilsindia.com
Biofuel Park, Madenur, Hassan, Karnataka	www.http://biofuelkarnataka.in
Oil palm India Limited	http://www.oilpalmindia.com
Handbook of Statistics on Indian Economy	http://www.rbi.org.in
Agricultural Census	http://www.agcensus.nic.in
The Little Green Data Book	http://www.data.worldbank.org
STATE SEED CORPORATION WEBSITES	
National Seeds Corporation Ltd (NSC)	http://www.nsc.gov.in
SFCI (SFCI)	http://www.sfci.nic.in
Andhra Pradesh State Seed Corporation (APSSDC)	http://www.apseeds.ap.nic.in
Bihar Rajya Beej Nigam Limited (BRBN)	http://brbn.bih.nic.in
C.G. Rajya Beej Evam Krishi Vikas Nigam (CGSSC)	www.cgbeejnigam.com
Gujarat State Seeds Corporation Ltd. (GSSC)	http://www.gurabini.com

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Haryana Seeds Development Corporation Ltd. (HSDC)	http://www.haryanaseeds.gov.in
Himanchal Pradesh State Dept of Agriculture (HP)	
Maharashtra State Seeds Corporation Limited (MSSCL)	http://www.mahabeej.com
MP Seeds & Farms Development Corpn. Ltd. (MPSSDC)	http://www.mpssfdc.org
Orissa State Seeds Corporation Ltd. (OSSC)	http://www.osscltd.in
Punjab State Seeds Corporation Ltd. (PSSC)	www.punseed.org
Rajasthan State Seeds Corporation Ltd. (RSSC)	http://www.rajseeds.rajasthan.gov.in
Tamil Nadu (TN)	http://www.agri.tn.gov.in
Telangana State Seeds Development Corporation Ltd. (TSSDCL)	http://www.apseeds.nic
Uttarakhand Seeds and Tarai Development Corpn. Ltd (UKSTDC)	http://www.pantnagarseeds.com
West Bengal State Seed Corporation Ltd., Kolkata	http://www.wbsscl.webstarts.com

29 Pattern of Assistance under Mini Mission-I (Oilseeds) of National Mission on Oilseeds and Oilpalm (NMOOP)

29.1 Pattern of Assistance for seed component under Mini Mission-I (Oilseeds) of NMOOP during XII Plan

S. No.	Components	Pattern of funding	Rate of Assistance
1	Production of breeder seed	100%	ICAR is the nodal agency for the production of breeder seeds of all crops including oilseeds. No support is proposed for breeder seed production programme under NMOOP during Twelfth Plan period. Only the financial liability of Rs. 12.26 crores approximately on the breeder seed production under ISOPOM up to XI plan has been considered under the NMOOP.
2	Purchase of breeder seed / parental lines (for production of hybrid seed)	100%	NMOOP will support purchase of breeder seeds from ICAR/ SAUs etc by the States/seed agencies at the full cost of breeder seeds as fixed by the Seeds Division of the Department of Agriculture & Cooperation during Twelfth Plan period.
3	Production of Foundation seed	75:25	Rs1000/quintal for all varieties/hybrids released during last 10 years and Additional assistance of Rs.100/qtl on the varieties/ hybrids released in last 5 years. 75% of subsidy amount is meant for farmers and 25% for seed producing agencies for meeting expenditures towards certification & production etc. (SDAs/ NSC/SFCI/NAFED/KRIBHCO/IFFCO/HIL/IFFDC/Central Multi-State Cooperatives such as NCCF.
4	Production of certified seed	75:25	-do-
5	Distribution of certified seed	75:25	50% of the cost limited to Rs.1200/quintal for varieties/ composites of oilseeds which are not older than 10 years. Hybrids: Assistance for distribution of certified hybrids seeds @ 50% of the cost with a ceiling of Rs.2500/qtls of hybrids, which are not older than 10 years. Subsidized seed distribution only through own outlets/ dealers by Nodal Agencies with a ceiling of 5 ha/farmer.
6	Distribution of Minikit (Varietal Diversification)	100%	Allocation will be made @ 1 minikit for every 20 ha area each crop @ 100% cost reimbursement. Agencies: NSC/SFCI/NAFED/KRIBHCO/IFFCO/HIL/IFFDC/Central Multi-State Cooperatives such as NCCF/Identified SSCs.
7	Seed Infrastructure Development	100%	The support for continuation of already approved seed infrastructure projects to States/Agencies under ISOPOM during Eleventh Plan period will continue. Allocation would be restricted to maximum of 1% of total outlay under the Mini Mission-I on Oilseeds of NMOOP for the entire implementation period during Twelfth Plan period.
8	Variety Specific Targeted Seed Production (VSTSP)	75:25	75% cost of seed production to NSC/SFCI/selected SSCs/ State Government Agencies / ICAR /SAUs and its KVKs farms and International institutions etc in project mode subject to requirement of foundation/ certified seed and availability of breeder/ foundation seeds. Eligibility: Varieties/hybrids not older than 5 years.

29.2 Pattern of Assistance for Production inputs component under Mini Mission-I (Oilseeds) of NMOOP during XII Plan

S. No.	Components	Pattern of funding	Rate of Assistance
1	Plant Protection Equipments including eco –friendly light trap and Seed Treating Drum.	75:25	For manual sprayers: Knapsack/foot operated sprayers and eco friendly light trap, @ 40% of the cost of procurement subject to a ceiling of Rs. 600/- per equipment (additional 10% assistance to SC / ST / Small / Marginal Farmers / Women, Groups >5 members FPOs and NE States to a ceiling of Rs. 800/- per unit). Seed treating drum with a capacity of 20 kg and 40 kg @ 50% assistance subject to ceiling of Rs. 1750/- and Rs. 2000/- per unit respectively. For Knapsack and power sprayers (capacity below 16 litres) @ 50% of the cost of procurement subject to a ceiling of Rs. 3000/- per unit (additional 10% assistance to SC / ST / Small / Marginal Farmers / Women, Groups >5 members FPOs and NE States to a ceiling of Rs.3800/- per unit). For Knapsack and power sprayers (capacity above 16 litres) @ 40% of the cost of procurement subject to a ceiling of Rs. 8000/- per unit (additional 10% assistance to SC / ST / Small / Marginal Farmers / Women, Groups >5 members FPOs and NE States to a ceiling of Rs. 10000/- per unit).
2	Plant Protection Chemicals	75:25	Need based supply of PP chemicals, insecticides, fungicides, bio-pesticides, weedicides, Bio-agents, micronutrients, biofertilizers etc @ 50% of the cost limited to Rs 500/- ha.
3	Distribution of gypsum/ pyrite/liming/dolomite/Single Super Phosphate etc.	75:25	50% cost of the material + transportation limited to Rs. 750/- per ha whichever is less. Any source of sulphur notified in FCO including 90% powder (FCO grade) within the cost norms.
4	Nuclear Polyhedrosis Virus (NPV)	75:25	50% of the cost limited to Rs 500/ha for NPV.
5	Supply of Rhizobium culture/ Phosphate Solubilising Bacteria (PSB)/Zinc Solubilising Bacteria (ZSB)/Azotobactor / Mycorrhiza etc	75:25	Support would be provided to State Department of Agriculture (under AAP) @ 50% of the cost of the culture subject to maximum of Rs. 300 per ha for culture in powder/granules/ liquid forms.
6	Supply of Improved farm implements	75:25	Manually/Bullock drawn implements including Chiseller @ 40% of the cost limited to Rs. 8000/- per implement (additional 10% assistance to SC / ST/ small/marginal Farmers, Women and NE States to a ceiling of Rs. 0.10 lakh per unit). Tractor driven, farm implements like Rotavator/ Seed Drill/Zero Till Seed Drill/ Multi-Crop Planter/Zero Till Multi-Crop Planter/ Ridge furrow Planter/ Raised bed planter/ Power weeder/ Groundnut digger and Multi crop threshers: @40% of the cost limited to Rs. 50000/- per unit and additional 10% assistance to SC / ST /Small/Marginal Farmers/ Women and NE States with a ceiling of Rs. 0.63 lakh per unit.
7	Distribution of Sprinkler Sets	As per NMSA Guidelines	For all categories of sprinkler sets – As per National Mission for Sustainable Agriculture (NMSA).
8	Pipes for carrying water from source to the field	75:25	The support will be provided to the farmers @ 50% of the cost limited to Rs. 25/- per meter with maximum ceiling of 600 meters length and cost of Rs. 15,000/- per farmer for all types of water carrying pipes i.e. PVC, HDPE etc and all sizes as per requirement of farmer. This will be given to the farmers irrespective of condition whether he owns a sprinkler or not, but he should have access to water lifting device.
9	Seed Storage Bins	75:25	The support to farmers through State's Department of Agriculture @ 25% of the cost subject to a maximum of Rs. 1000/- per bin of 1 to 10 qtls capacity. Only one bin per farmer will be provided under MM-I

29.3 Pattern of Assistance for Transfer Technology component under Mini Mission-I (Oilseeds) of NMOOP during XII Plan

S. No.	Components	Pattern of funding	Rate of Assistance																
1	Block demonstrations	75:25	Improved package demonstration including Intercropping One demonstration will be allowed to one farmer with a ceiling of one ha under each crop with 50% of the cost of inputs limited to the cost as given below:-																
			<table border="1"> <thead> <tr> <th>Crop</th> <th>Rate of Assistance (Rs per ha)</th> </tr> </thead> <tbody> <tr> <td>Groundnut</td> <td>7500</td> </tr> <tr> <td>Soybean</td> <td>4500</td> </tr> <tr> <td>R & M</td> <td>3000</td> </tr> <tr> <td>Sunflower</td> <td>4000</td> </tr> <tr> <td>Sesame/ Safflower/ Castor</td> <td>3000</td> </tr> <tr> <td>Niger</td> <td>3000</td> </tr> <tr> <td>Linseed</td> <td>3000</td> </tr> </tbody> </table>	Crop	Rate of Assistance (Rs per ha)	Groundnut	7500	Soybean	4500	R & M	3000	Sunflower	4000	Sesame/ Safflower/ Castor	3000	Niger	3000	Linseed	3000
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Niger	3000																		
Linseed	3000																		
2	Block demonstrations on Polythene Mulch Technology in Groundnut.	75:25	Package for demonstration on poly-mulch on groundnut in the area/ zone recommended by Directorate of Groundnut Research (ICAR) @ Rs.11500/- per ha (Rs. 7500/- for input cost and Rs.4000/- for poly mulch)																
3	(a) Frontline Demonstrations (b) Frontline demonstrations on Polythene Mulch Technology in Groundnut	100%	By ICAR and ICRISAT for mandated crop groundnut.																
			<table border="1"> <thead> <tr> <th>Crop</th> <th>Rate of Assistance (Rs. per ha)</th> </tr> </thead> <tbody> <tr> <td>Groundnut</td> <td>8500</td> </tr> <tr> <td>Soybean</td> <td>6000</td> </tr> <tr> <td>R & M</td> <td>6000</td> </tr> <tr> <td>Sunflower</td> <td>6000</td> </tr> <tr> <td>Sesame/Safflower/niger/castor/linseed</td> <td>5000</td> </tr> <tr> <td>poly-mulch on groundnut by ICAR.</td> <td>12500</td> </tr> </tbody> </table>	Crop	Rate of Assistance (Rs. per ha)	Groundnut	8500	Soybean	6000	R & M	6000	Sunflower	6000	Sesame/Safflower/niger/castor/linseed	5000	poly-mulch on groundnut by ICAR.	12500		
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Sesame/Safflower/niger/castor/linseed	5000																		
poly-mulch on groundnut by ICAR.	12500																		
Maximum of one demonstration will be allowed to one farmer for an area of one hectare under each crop. The size of the FLD plot will be of one ha but not less than 0.4 ha. The assistance will be on pro-rata basis with the reduction of size of demonstration plot.																			
4	Integrated Pest Management (IPM)	75:25	Farmers Field School (FFS) would be supported @Rs 26,700/- per FFS including demonstration of bio-agents. Costs include training kits/material, IPM kits, literature and contingency.																
5	Farmers Training	75:25	Rs. 24000/- per training for a batch of 30 farmers for 2 days (@ 400/- per participant per day)																
6	Officers/Extension workers training (Input dealers included)		Rs.36000/- per training for a batch of 20 officers for 2 days. (@ 900/- per participant per day)																

S. No.	Components	Pattern of funding	Rate of Assistance
7	Contract Research	100%	The TMOP Division has already undertaken few contract research projects through ICAR/ICRISAT etc during the Eleventh Plan period and implemented by the Government of India directly. Funding of these projects will continue during the Twelfth Plan period/ remaining approved period as per the approved budget through NMOOP. No new contract research projects will be undertaken during Twelfth Plan period.
8	Local Initiatives, Contingency including monitoring & evaluation and Operational costs including Consultant services. Exposure visits of farmers/ Seminar/ Conference/Tilhan mela etc	100%	<p>The implementing States will be allowed to utilize 1.0 % of their total allocation under MM-I on Oilseeds for contingency expenditure towards monitoring & evaluation and Operational Costs including consultancy. The following activities will be covered under this intervention -</p> <ol style="list-style-type: none"> 1. Publicity under Mini Mission - I on Oilseeds and Exposure visits (inter and intra state) of farmers and/or officers/Seminar/ Conference/Workshop/Tilhan Mela etc. 2. Contingency: States will be allowed to engage state level consultants/ supporting staff as Technical Support Group (TSG) on contractual basis. Hiring of vehicles/Monitoring of scheme/ attending workshop/meetings etc. Purchase of vehicles will not be allowed. No permanent post will be created under the Mission. 3. Organizing workshop/Seminar/Conference etc by States on oilseed crops & its technologies. Support for use of ICT. 4. Concurrent/Mid Term and end of the Plan period evaluation of Mini-Mission Components by an independent agency. 5. Any other component on increasing production/productivity of oilseeds in state as state specific local initiative, which may be crucial for effective implementation & adoption of best practices in increasing production and productivity of oilseeds under the programme and not covered as an intervention under MM-I with the approval of GOI in their AAPs. The State may include such interventions with subsidy not more than 50% of the cost of the item/services.



ICAR-Indian Institute of Oilseeds Research



Rajendranagar, Hyderabad-500 030

Phone: +91-40-24015222, Fax: +91- 40 - 24017969

e-mail: director.iior@icar.gov.in

web site: <http://www.icar-iior.org.in>

ISO 9001: 2008 Certified Institute