

## 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
<b>Groundnut</b>									
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	1288	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
<b>Rapeseed-Mustard</b>									
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)

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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
<b>Soybean</b>									
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
<b>Sunflower</b>									
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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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
<b>Sesame</b>									
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

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<b>Safflower</b>									
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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<b>Linseed</b>									
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
<b>Castor</b>									
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

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<b>Niger</b>									
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

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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 I 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, IOR, Hyderabad