

## 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	Chotanagpur 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, Rizoctonia 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