

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

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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

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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

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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

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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	

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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

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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)

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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

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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

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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

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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)	Vinyaka 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