

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

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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

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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

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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

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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