

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

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SKI (Gujarat Castor-2)	V	1996			2769(I) 1191(R)		49	All Castor Growing Areas
TMV-1	Derivative of the cross Namakkal x Hospet irrigated			195	1166	Rose colour stem with compact spike	51	Tamil Nadu
TMV-2	Derivative of the cross Namakkal x Hospet irrigated	1946		210	1166	Rose colour stem non- dehiscent capsule	50	Tamil Nadu
TMV-3	Selection from South Arcot local	1946		240	930	Rose colour stem non- dehiscent capsule	55	Tamil Nadu
TMV-4	Selection from SA-2	1981	596(E) 13-8-1984		1100		50	Tamil Nadu
TYPE-28	A selection from Bombay collection.	1978	1978	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India
TYPE-3	Developed by selection.	1978	1978	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India
TARAI-4	Developed by selection.	1978	1978	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India
SOUBHAGYA	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	Developed by selection	1978	1978	100-110	1985	Tolerant to wilt & root rot & resistant leafhopper	48-50	All India

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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

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GC-2 (SKI-273)	V	1-21/V1-9, inbred line		1996	1996	90-100	1200-2100	Tolerant to wilt	47-49	Gujarat							
TMV-6 (TVC31/RV74)	V	VP-1/RC982, inbred line		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	110-120	1740-2820	Resistant to wilt, jassids	50	All India							
DCH 32 (Deepti)	H	LRES-17/REC-5		1997	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	110-120	1365	Moderately tolerant to semilooper and resistant to drought	48-50	Andhra Pradesh							
TMVCH 1	H	LRES-17/TMV-5		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	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	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	90-120	2500-3000		49	Rainfed and irrigated areas of Rajasthan							
Haritha (PCS 124)	V	PPL-4 X 48-1, inbred line		2002	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	90-180	1200-1500	Tolerant to Botrytis and jassids	49	Rainfed areas of Andhra Pradesh							

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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