



Promising High Sugared Cane Varieties (2000-2018) in different agro-climatic zones of India

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S. No.	Cane variety	Year of release	Maturity	Cane yield (t/ha)	CCS (t/ha)	Sucrose (%) in juice	Pol (%) in cane	Reaction to disease & insect-pests
1.	Co 09004	2017 (P)	Early	109.85	14.56	18.94	14.50	MR to red rot, R to smut & YLD
2.	Co 09022 (Karan 12)	2017 (NW)	Mid-late	83.56	10.06	17.49	13.71	MR to red rot.
3.	CoP 06436 (CoP 2061)	2015 (NC)	Mid-late	74.45	9.18	17.35	13.85	MR to red rot, smut & wilt
4.	Co 05009 (Karan 10)	2013 (NW)	Early	75.89	9.16	17.44	14.25	MR to red rot
5.	Co 06030	2013 (NW)	Mid-late	103.33	11.21	16.60	-	MR to red rot.
6.	Co 06027	2013 (P)	Mid-late	110.56	14.74	19.18	19.06	MR to red rot
7.	Co 05011 (Karan-9)	2012 (NW)	Mid-late	82.47	10.24	18.00	12.75	MR to red rot & wilt
8.	CoPk 05191 (Pratap Ganna-1)	2013 (NW)	Early	81.12	9.52	17.06	13.68	MR to red rot
9.	CoSnk 05103	2014 (P)	Early	105.50	12.85	17.21	-	MR to red rot, smut & wilt. R to sugarcane woolly aphid
10.	CoSnk 05104	2014 (P)	Mid-late	104.80	13.04	17.52	-	MR to red rot & smut.



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11.	CoH 128	2012 (NW)	Mid-late	76.23	9.28	17.70	13.50	MR to red rot, tolerant to top & early shoot borers
12.	Co 0237 (Karan-8)	2012 (NW)	Early	71.33	9.34	18.78	-	MR to red rot
13.	Co 0403 (Sammriddhi)	2012 (P)	Early	101.6	13.29	18.16	-	MR to red rot, R to smut.
14.	CoSe 01421 (Imarti)	2013 (NC)	Early	65.87	7.93	17.36	-	MR to red rot, smut & wilt
15.	Co 0124 (Karan-5)	2010 (NW)	Mid-late	75.71	9.68	18.22	-	MR to red rot
16.	Co 0239 (Karan-6)	2010 (NW)	Early	79.23 14.22	10.37	18.58	-	MR to red rot
17.	CoOr 03151 (Sabita)	2011 (EC)	Early	105.28	11.13	15.53	-	R to red rot & wilt. Tolerant to internode, top & early shoot borers and scale insect
18.	Co 0218 (Shreyas)	2010 (P)	Mid-late	103.77	15.17	20.79	15.41	MR to red rot R to smut



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19.	Co 0232 (Kamal)	2010 (NC & NE)	Early	67.82	7.83	16.51	-	MR to red rot
20.	Co 0233 (Kosi)	2009 (NC)	Mid-late	67.77	8.25	17.54	-	MR to red rot
21.	Co 0118 (Karan-2)	2009 (NW)	Early	78.2	9.88	18.45	-	MR to red rot
22.	Co 0238 (Karan-4)	2009 (NW)	Early	81.08	9.95	17.99	14.74	MR to red rot
23.	Co 2001-13 (Sulabh)	2009 (P)	Mid-late	108.6	14.73	19.03	-	R to red rot & MR to smut
24.	Co 2001-15 (Mangal)	2009 (P)	Mid-late	113.0	15.65	19.37	-	MR to red rot and smut,
25.	CoLk 94184 (Birendra)	2008 (NC)	Early	76.00	9.28	18.00	-	MR to red rot
26.	CoJ 20193 (CoJ 89)	2007 (NW)	Mid-late	75.90	9.31	17.90	-	MR to red rot
27.	CoS 96275 (Sweety)	2007 (NW)	Mid-late	80.75	9.52	17.30	-	MR to red rot
28.	CoH 119 (Haryana Ganna - 119)	2007 (NW)	Mid-late	82.81	9.86	17.51	12.62	MR to red rot, resistant to GSD & smut, tolerant to top borer & moderately tolerant to shoot borer.



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29.	Co 98014 (Karan-1)	2007 (NW)	Early	76.30	9.26	17.60	-	MR to red rot
30.	CoS 96268 (Mithas)	2007 (NW)	Early	91.90	11.20	17.90	14.47	MR to red rot
31.	Co 99004 (Damodar)	2007 (P)	Mid-late	116.7	16.83	18.8	-	MR to red rot & wilt
32.	CoPant 97222	2007 (NW)	Mid-late	88.16	11.14	18.19	-	MR to red rot
33.	CoC 01061 (CoC (SC) 23)	2006 (EC)	Early	111.00	14.18	17.40	-	MR to red rot
34.	CoS 94270 (Sweta)	2005 (NW)	Mid-late	81.07	9.63	17.21	-	MR to red rot
35.	CoSe 96234 (Rashmi)	2004 (NC)	Early	64.10	8.04	17.90	-	MR to red rot, tolerant to major insect-pests.
36.	CoSe 96436 (Jalpari)	2004 (NC)	Mid-late	67.12	8.29	17.73	-	MR to red rot
37.	CoSe 95255 (Rachna)	2004 (NW)	Early	70.5	8.45	17.5	-	MR to red rot



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38.	Co 94008 (Shyama)	2004 (P)	Early	120.00	15.51	18.02	13.58	MR to red rot, R to smut
39.	CoSe 95422 (Rasbhari)	2001 (NC)	Early	67.80	8.29	17.66	-	MR to red rot
40.	CoSe 92423 (Rajbhog)	2001 (NC)	Mid-late	70.10	8.37	17.50	-	MR to red rot
41.	Co 89029 (Gandak)	2001 (NC)	Early	71.08	7.85	17.13	-	MR to red rot. Tolerant to top borer and shoot borer
42.	BO 128 (Pramod)	2001 (NC)	Mid-late	69.64	8.58	17.60	14.22	Moderately Resistant to Red Rot, Wilt , Smut and has low incidence of insect-pests
43.	CoS 91230 (Raseeli)	2000 (NW)	Mid-late	68.20	8.66	18.80	-	MR to red rot
44.	CoH 92201 (Haryana-92)	2001 (NW)	Early	70.00	8.56	18.20	-	MR to red rot, tolerant to GSD & smut
45.	Co 91010 (Dhanush)	2000 (P)	Mid-late	116.00	15.46	19.10	-	MS to red rot, R to smut and rust, tolerant to major pests.



								insect-pests
46.	CoPant 90223 (Pant 90223)	2000 (NW)	Mid-late	85.0	19.00	9.20	18.76	MR to red rot.
47.	Co 86249 (Bhavani)	2000 (EC)	Mid-late	104.20	12.85	18.70	-	MR to red rot & smut.
48.	Co 8371 (Bhima)	2000 (P)	Mid-late	117.71	15.16	18.62		R to smut
49.	CoM 88121 (Krishna)	2000 (P)	Mid-late	91.56	12.08	19.40	-	R to smut, susceptible early shoot borer and scale insects.
50.	Co 87263 (Sarayu)	2001 (NC)	Early	66.32	8.04	17.40	-	MR to red rot & smut
51.	Co 87268 (Moti)	2000 (NC)	Early	85.00	7.92	17.51	-	MR to red rot R to smut & rust. Tolerant to all major insect-pests
52.	Co 86032 (Nayana)	2000 (P)	Mid-late	102.00	14.44	20.10	-	R to smut, field tolerant to red rot. MR to wilt
53.	Co 87025 (Kalyani)	2000 (P)	Mid-late	78.20	12.80	18.30	-	R to smut, field tolerant to red rot



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54.	Co 87044 (Uttara)	2000 (P)	Mid-late	101.00	13.54	18.30	-	MS to red rot, MR to smut, R to rust, tolerant to major pests.
55.	Co 85004 (Prabha)	2000 (P)	Early	90.50	12.59	19.50	-	MR to smut
56.	CoLk 09204 (Ikshu-3)	2017 (NW)	Mid-late	82.80	9.30	17.00	13.20	R-MR to red rot & smut and LS to major insect-pests.
57.	UP 09453	2017 (NW & NE)	Early	74.74	8.76	17.90	13.23	MR to major diseases and LS to major pests
58.	CoLk 11206 (Ikshu-4)	2017 (NW)	Mid-late	91.50	11.20	17.65	13.42	R to MR for red rot and smut. LS to major insect-pests.
59.	CoLk 11203 (Ikshu-5)	2017 (NW)	Early	81.97	10.52	18.41	13.44	Resistant to red rot & smut. LS to main insect-pests.
60.	CoA 11321	2017 (EC)	Early	111.31	13.59	17.16	13.73	Resistant to red rot, susceptible to smut & wilt. Least susceptible to early shoot borer scale insect and HS to inter nodal borer.



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61.	CoPb 08212 (CoPb 92)	2016 (NW)	Early	79.07	9.84	18.03	13.86	MR to red rot and smut and R to wilt
62.	CoP 09437	2016 (NC & NE)	Mid-late	77.68	9.41	17.60	13.13	Resistant to red rot, smut & wilt
63.	CoC 08336	2016 (EC)	Early	110.40	13.12	17.44	13.83	MR to red rot and less susceptible to borers
64.	PI 07131	2014 (P)	Early	102.05	13.51	18.61	14.66	R to red rot
65.	CoA 08323 (Buddhi)	2013 (EC)	Early	106.30	11.76	16.41	13.25	R to red rot & HS to smut.
66.	CoLk 07201 (Ikshu-1)	2013 (NW)	Early	84.27	8.72	16.34	12.32	R – MR to red rot, tolerant to top borer
67.	Co 06034 (Karan-11)	2013 (NW)	Mid-late	75.41	9.59	18.45	14.79	R to red rot and smut
68.	CoN 05071 (Gujarat Sugarcane 5)	2012 (P)	Early	151.78	19.87	18.76	13.93	MR to wilt & red rot, tolerant to shoot borer & top borer, LS to internode borer, susceptible to red rot & scale insect.
69.	Co 06022	2012 (P)	Early	105.23	13.76	18.88	-	R to red rot



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70.	CoPant 05224	2012 (NW)	Mid-late	82.46	9.57	17.47	19.47	R-MR to red rot and wilt
71.	CoBln 9605 (Dhansiri)	1997 (NC & NE)	Early- Mid	80-100	8-10	18-19	20.02	MR to red rot and MR to insect pest
72.	CoBln 04174 (12/99)	2012 (NC & NE)	Mid-late	64.13	7.42	16.74	-	MS to red rot, R to Smut
73.	CoA 05323 (Revathi)	2011 (EC)	Early	103.18	11.18	16.74	15.72	MR to red rot & MS to Smut
74.	CoA 05322 (Uttara)	2010 (EC)	Mid-late	105.77	12.25	17.32	17.30	MR to red rot & MS to Smut
75.	CoA 03081 (Visakha)	2009 (EC)	Early	120.00	11.33	16.38	15.31	R to red rot & MS to smut





Thank You

