

Table 10. Performance of Co canes (short duration) at Coimbatore

Sl No	Co canes	Parentage	CCS t/ha		Cane Yield t/ha		Sucrose %		Red rot reaction	
			240 d	300 d	240 d	300 d	240 days	300 days	Plug	Nodal
1	Co 16001 (2007-291)	CoSnk 03-044 x Co 86002	13.08	15.32	103.17	109.46	18.36	21.04	MR	R
2	Co 16002 (2013-197)	CoC 671 x Co 86011	14.45	16.42	113.64	117.81	18.28	20.34	MS	R
	Std									
	CoC 671		10.99	12.80	98.40	104.03	16.37	18.38		
	Co 8338		10.68	12.41	94.04	100.88	16.51	18.69		
	Co 8341		9.86	11.56	95.87	90.72	15.29	17.14		
	CD		2.54	3.05	15.44	17.35	1.42	1.15		
	CV		10.82	11.54	12.00	11.39	2.89	2.95		

Table 11. Performance of Early maturing Co canes at 300 days at Coimbatore

	"Co" No.	Parentage	CCS t/ha	Cane Yield t/ha	Sucrose %		CCS%	Red rot (Plug)
					300 d	360 d		
1	Co 16003	Co 8371 x Co 86011	20.70	161.57	18.97	20.52	13.46	MS
2	Co 16004	Co 94008 GC	20.58	142.04	20.19	19.6	14.28	MR
3	Co 16005	CoM 0265 x CoT 8201	22.49	159.96	19.81	20.97	14.06	MS
4	Co 16006	(Co 8371 x ISH 69) x (Co 86010 x Co 94019)	24.39	168.56	19.13	20.21	13.55	MS
5	Co 16007	Co 0240 x Co 62198	20.47	152.47	19.08	20.99	13.47	MS
6	Co 16008	(Co 94012 x MS 6847) x (81 V48 x CoT 8201)	17.14	129.85	18.96	20.35	13.29	R
	Stds							
	CoC 671		20.52	147.22	19.76	21.72	13.94	
	Co 85004		20.67	156.4	18.64	20.98	13.22	
	Co 94008		17.52	128.43	19.36	18.98	13.64	
	CD		4.49	23.81	2.11	2.08	1.63	
	CV		13.6	11.78	6.2	5.58	6.81	

Table 12. Performance of Midlate maturing Co canes at 360 days at Coimbatore

No.	Co No.	Parentage	CCS t/ha	C. Yield t/ha	Sucrose%		CCS%	Red rot (Plug)
					300d	360d		
1	Co 16009	Co 0327 x Co 97015	25.35*	196.76*	17.3	19.1	13.36	MS
2	Co 16010	Co 86032 x Co 94008	24.44*	177.78*	17.98	19.45	13.74	MR
3	Co 16011	(Co 2000-03 x Co 88039) x (Co 86032 x	21.47	169.91*	16.34	18.39	12.92	MR

		Co 99006)							
4	Co 16012	IG 91-1110 x Co 86011	18.13	133.33	17.05	19.18	13.51	MR	
5	Co 16013	Co 99006 x Co 94008	20.6	149.07	18.14	19.65	13.84	MS	
6	Co 16014	(Co 86010 x Co 94019) x (BO 91 x Co 1148)	23.93*	175.00*	16.84	19.42	13.67	MS	
7	Co 16015	Co 86011 x (Co 94008 x CoT 8201)	19.96	143.98	17.25	19.33	13.62	MS	
8	Co 16016	Co 98010 x Co 94008	21.96	168.06*	17.05	18.51	13.06	R	
9	Co 16017	Co 87044 x Co 86011	20.16	135.63	18.15	21.04	14.94	MR	
10	Co 16018	CYM 09-382 x CoT 8201	27.65	202.78	18.09	19.3	13.69	MS	
11	Co 16019	Co 86032 x Co 0218	25.69	175.52	17.69	20.58	14.63	MR	
12	Co 16020	(Co 85002 x CoT 8201)x (Co 94012 x Co 94008)	22.5	158.52	17.37	19.98	14.2	MR	
13	Co 16021	Co 86032 x Co 94008	20.06	142.54	17.15	19.96	14.08	MR	
14	Co 16022	Co 86002 x Co 0218	21.88	152.78	16.74	20.23	14.32	MS	
15	Co 16023	Co 94012 x Co 94008	22.9	167.59	16.74	19.3	13.66	MR	
16	Co 16024	Co 0403 GC	20.49	150.66	16.45	19.35	13.6	MR	
17	Co 16025	Co 8371 x Co 86011	20.45	144.24	15.61	20.15	14.2	MS	
	Stds								
	Co 86032		21.79	161.77	17.82	19.09	13.47		
	Co 99004		18.86	125.17	18.29	20.51	14.51		
	CD		3.65	23.81	2.11	2.08	1.6		
	CV		10.17	11.78	6.2	5.58	6.12		

Table 13. Performance of Co selections (Early) at Karnal.

No.	Co No.	Parentage	CCS (t/ha)	Cane yield (t/ha)	CCS %		Sucrose %		RR rati ng
					240 d	300 d	240 d	300 d	
1	Co 16028	Co 0240 x Co 62198	18.03*	128.25*	13.1	14.06	18.6	19.75	MR
2	Co 16029	CoS 8436 x Co 89003	17.47*	125.72	13.0	13.98	18.5	19.61	R
	Stds								
1	Co 0238		15.53	114.98	12.4	13.51	17.6	19.58	
2	CoJ 64		11.49	84.86	11.98	13.54	17.1	18.97	
	CD		1.78	13.27	1.16	0.54	1.38	0.699	
	CV		8.42	7.77	6.75	2.58	5.51	2.27	

Table 14. Performance of Co selections (Midlate) at Karnal

No.	Co No.	Parentage	Sugar yield (t/ha)	Stalk yield (t/ha)	CCS %		Sucrose %		RR rating
					300 d	360 d	300 d	360 d	
1	Co 16030	Co 0238 x Co 8347	15.96*	115.34*	13.83*	13.84*	19.29*	19.32	R
2	Co 16031	CoS 8436 x Co 89003	17.15*	138.06*	12.07	12.42	17.20	17.71	MR
3	Co 16032	CoH 76 GC	18.09*	136.06*	12.52	13.30	17.73	18.84	MR
	Standards								
	CoS 8436		12.98	98.23	13.05	13.22	18.42	18.65	

Table Two genetic stocks from Coimbatore

Clone	'Co' No.	Parentage	CCS t/ha	Cane yield t/ha	Sucrose %	NMC 000/ ha	SCW (kg)	Red rot reaction plug
2014 - 191	Co 16026	PIO00-809 x Co 99006	27.34	225.24*	19.23	153.24*	1.79	HS
2014 - 195	Co 16027	Co 0303 x Co 0218	18.27	145.52	18.44	112.50	1.35	MR