

'Co' canes - 2012

Table 1. Performance of 'Co' selections (Early) 2012 at Coimbatore (Randomised Block Design)

'Co' Number	Parentage	Cane Yield (t/ha)	CCS Yield (t/ha)	Sucrose % at 300 days	Red Rot reaction
Co 12001	Co 95006 x Co 86002	90.29	11.51	18.77	R
Co 12002	{[(SES 515/7 x CoC 671) x Co 7704] x Co 86002} x Co 775	92.32	13.01	20.46	R
Co 12003	{[Co 7201 x (Co 62174 x SES 91)] x Co 88037}] x (Co 8371 x Co 86011)	83.75	11.01	19.28	R
Co 12004	Co 94012 x MS 6847	83.57	11.14	19.17	R
Standards					
Co 85004		86.61	12.90	17.56	
CoC 671		78.45	10.73	18.45	
CD		11.76	3.02	1.04	
CV		6.23	3.22	4.48	

Table 2. Performance of 'Co' selections (Early) 2012 at Coimbatore (Augmented design)

'Co' Number	Parentage	Cane yield (t/ha)	CCS yield (t/ha)	Sucrose % at 300 days	Red rot reaction
Co 12005	Co 86002 x Co 1148	98.86	14.70	20.97	R
Co 12006	Co 98010 x Co 94019	98.95	13.19	19.15	R
Co 12007	Co 86002 x Co 7915	122.50	16.99	20.19	R
Co 12008	Co 86249 x Co 91004	127.31	16.47	18.71	R
Standards					
CoC 671		100.84	13.47	19.31	
Co 85004		90.61	10.99	17.56	
CD		14.32	2.82	2.66	
CV		11.24	8.34	4.50	

Table 3. Performance of ‘Co’ selections (Midlate) 2012 at Coimbatore (Augmented Design)

‘Co’ Number	Parentage	Cane yield (t/ha)	CCS yield (t/ha)	Sucrose % 360 days	Red rot reaction
Co 12009	[Co 7201 x (Co 62174 x SES 91)] x Co 88037) x Co 62198	129.64	17.86	19.76	S
Co 12010	Co 98010 x Co 86011	93.57	13.37	20.19	R
Co 12011	Co 86010 x Co 86011	107.86	14.84	19.50	R
Co 12012	CoC 671 x (PIR 88-3350 x Co 86249)	147.32*	19.38	19.03	R
Co 12013	[Co 7201 x [(28NG221 x SES 515-7)] x Co 775] x CoA 7602) x (Co 8353 x Co 86011)	110.71	15.65	20.06	S
Co 12014	Co 97007 x Co 775	99.55	13.86	20.00	R
Co 12015	Co 99006 x (Co 7313 x Co 96011)	102.05	14.29	20.04	S
Co 12016	Co 740 x Co 88025	135.98	18.76	19.80	R
Co 12017	Co 6806 x Co 8209	105.45	14.55	19.72	R
Standards					
Co 86032		85.18	11.48	19.66	
Co 99004		106.07	14.53	19.29	
CD		11.76	3.02	1.02	
CV		6.23	3.22	3.94	

Table 4. Performance of ‘Co’ selections (Midlate) 2012 at Coimbatore (Augmented Design)

‘Co’ number	Parentage	Cane yield (t/ha)	CCS yield (t/ha)	Sucrose % 360 days	Red rot reaction (Nodal)
Co 12018	Co 86002 x Co 94008	116.50	15.94	19.56	R
Co 12019	Co 8371 x Co 86002	124.00	18.31	21.11	S
Co 12020	Co 86002 x Co 90018	102.50	14.24	20.00	R
Co 12021	(Co 8371 x Co 86011) x Co 94008	131.00	17.27	18.93	R
Co 12022	Co 740 x Co 775	116.99	14.82	18.37	R
Co 12023	Co 8371x Co 86011	116.99	15.86	19.39	R
Co 12024	(Co 7201 x Co 86011) x (Co 8371 x Co 86011)	122.50	17.06	19.69	R
Co 12025	[Co 7201 x (Co 62174 x SES 91) x Co 88037)] x (Co 8371 x Co 86011)	110.00	17.53	22.48	MS
Standards					
Co 86032		98.84	13.21	18.84	
Co 99004		119.80	17.16	20.49	
CD		14.32	3.02	2.84	
CV		11.24	9.56	4.76	

Table 5. Performance of 'Co' selections (Early) 2012 at SBIRC, Karnal

'Co' Number	Parentage	Cane yield (t/ha)	CCS yield (t/ha)	At 300 days			Disease reaction
				Brix	Sucrose (%)	CCS (%)	Red rot (plug)
Co 12026	HR 83-144 x CoH 119	74.39	10.08*	21.41*	19.37*	13.54*	MR
Co 12027	Co 0237 GC	83.75*	11.28*	21.07*	19.20	13.47	R
Standards							
CoJ 64		69.71	8.50	19.67	17.63	12.27	
CoPant 84211		58.67	7.32	19.77	17.86	12.48	
CD at 5%		13.7	1.57	1.18	1.32	1.05	
CV%		14.86	13.26	3.47	4.56	5.22	

*Significantly superior to the best standard at P=0.05

Table 6. Performance of 'Co' selections (Mid-late) 2012 at SBIRC, Karnal

'Co' Number	Parentage	Cane yield (t/ha)	CCS yield (t/ha)	At 360 days			Disease reaction
				Brix	Sucrose (%)	CCS (%)	Red rot (plug)
Co 12028	Co 0124 x Co 0116	102.93*	13.65*	21.40	19.10	13.27	MR
Co 12029	Co 0118 GC	88.11*	11.51*	21.03	18.81	13.08	R
Standards							
CoS 767		61.75	7.69	19.73	17.82	12.45	
CoS 8436		63.93	8.42	21.03	18.89	13.16	
CD at 5%		13.7	1.83	1.34	1.31	0.97	
CV%		14.86	14.14	3.89	4.26	4.53	

*Significantly superior to the best standard at P=0.05