

New 'Co' canes selected during 2013

A total of 36 promising clones from four testing centres were assigned 'Co' number during 2013. Out of these, twenty 'Co' canes were developed from Coimbatore, two from Ugar Khurd (North Karnataka), ten from Chagullu (Coastal Andhra Pradesh) and four from Karnal (North Western zone).

The split up of early and mid-late maturing clones are as given

Zone/ location	Early	Mid-late
Coimbatore (Peninsular zone)	4	16
Ugar Khurd (Peninsular zone)	-	2
Chagullu (East Coast zone)	2	8
Karnal (North Western zone)	2	2
Total	8	28

Coimbatore: Early maturing Co canes - data at 300 days from trial in RBD

'Co' number	Parentage	Cane yield	CCS t/ha	Sucrose %	CCS%	NMC 000/ha	Red rot reaction
Co 13001	Co 740 x CoT 8201	134.26	18.93	20.39	14.10	112.31	R
Co 13002	Co 86011 x CoT 8201	134.74	19.15	20.28	14.21	106.94	R
Co 13003	Co 86011 x CoT 8201	145.23	21.83	21.41	15.03	97.63	R
Standards							
CoC 671		111.11	15.00	19.29	13.50	72.69	
CD		19.82	2.48	2.03	1.42	35.40	
CV		10.24	4.25	4.27	4.28	14.40	

Coimbatore: Early maturing Co canes - data at 300 days from trial in Aug RCBD

'Co' number	Parentage	Cane yield	CCS t/ha	Sucrose %	CCS%	NMC 000/ha	Red rot reaction
Co 13004	Co 86002 x Co 775	131.48	18.36	19.89	13.97	84.26	R
Standards							
CoC 671		103.15	12.37	18.03	12.48	101.97	
CD		18.98	3.10	2.04	1.94	28.72	
CV		11.24	9.12	4.76	4.90	14.26	

Coimbatore: Mid-late maturing Co canes - data at 360 days from trial in RBD

'Co' number	Parentage	Cane yield	CCS t/ha	Sucrose %	CCS%	NMC 000/ha	Red rot reaction
Co 13005	Co 7201 x Co 775	139.92	17.53	19.32	13.49	87.96	R
Co 13006	CoSNK 03-61 x Co 62174	143.52	19.03	19.15	13.29	84.72	R
Co 13007	Co 7314 x 7201-150	135.19	18.57	19.65	13.72	110.19	R
Co 13008	Co 94012 PC	154.17	21.72	20.03	14.09	87.04	R
Co 13009	Co 97015 x Co 1148	141.20	21.92	21.85	15.51	112.50	R
Co 13010	Co 99006 x CP 94-1100	143.52	20.58	20.54	14.35	99.54	S
Co 13011	Co 86011 x CoT 8201	148.61	20.89	20.12	14.05	121.30	R
Standards							
Co 86032		113.88	15.18	19.24	13.43	80.83	
Co 99004		120.37	16.68	19.81	13.84	81.02	
CoM 0265		100.13	12.17	17.81	12.16	66.20	
CD		19.82	3.16	1.17	1.21	35.40	
CV		10.24	4.34	3.79	4.08	14.40	

Coimbatore: Mid-late maturing Co canes - data at 360 days from trial in Aug. RCBD

'Co' number	Parentage	Cane yield	CCS t/ha	Sucrose %	CCS%	NMC 000/ha	Red rot reaction
Co 13012	Q63 x Co 86250	110.19	15.48	20.20	14.05	72.56	R
Co 13013	PI 96-843 x Co 86249	127.78	18.62	20.83	14.57	95.11	MR (Plug)
Co 13014	Co 86032 x Co 94008	138.89	19.98	20.36	14.38	89.44	R
Co 13015	Co 86010 x Co 94019	138.89	19.17	19.98	13.80	108.33	R
Co 13016	Co 85002 x CoT 8201	111.11	17.07	21.35	15.37	78.70	R
Co 13017	Co 94012 PC	125.00	16.98	19.37	13.58	76.85	R
Co 13018	Co 8371 x Co 86011	158.33	22.68	20.67	14.32	134.81	R
Co 13019	Co 92008 GC	119.23	17.50	20.98	14.71	115.74	R
Co 13020	Co 7704 x Co 8209	125.00	19.23	21.82	15.49	113.89	R
Standards							
Co 86032		94.68	13.38	20.24	14.14	92.90	
CoM 0265		124.38	17.11	19.54	13.75	65.56	
Co 99004		105.56	15.43	20.73	14.62	87.72	
CD		18.98	3.02	1.19	3.66	28.72	
CV		11.24	10.25	5.06	4.55	14.26	

Ugar Khurd (North Karnataka): Midlate maturing Co canes - data at 360 days

'Co' number	Parentage	Cane yield	CCS t/ha	Sucrose %	CCS%	NMC 000/ha	Red rot reaction
Co 13021	Co 92024 GC	155.09	19.82	19.03	13.16	132.58	MS
Co 13022	Co 200010 GC	141.44	19.10	19.25	13.23	98.83	MS
Standards							
Co 86032		124.24	16.63	19.51	13.38	137.27	
CD		13.17	1.88	0.88	0.45	13.39	
CV		3.74	6.52	2.36	1.78	6.82	

Chagallu (East coast zone): Early maturing Co canes - data at 300 days

'Co' number	Parentage	Cane yield	CCS t/ha	Sucrose %	CCS%	Purity%	Red rot reaction
Co 13023	GBB 986002 X CoSnk 03-754	90.36	10.59	17.32	11.72	84.57	MR
Co 13024	CoSnk 03-44 X Co 86011	64.76	8.45	18.91	13.05	88.04	MR
Co 05007	Co 94008 GC	74.80	8.18	16.17	10.93	84.39	R
Co 07013	94-230 PC	86.39	10.20	17.21	11.80	86.83	R
Standards							
CoA 92081		74.61	8.14	16.10	10.91	84.83	
Co 6907		56.99	6.45	16.66	11.32	85.17	
CD 5%		8.12	1.27	1.01	0.84	2.11	
CV		14.68	11.15	5.9	5.77	4.21	

Chagallu (East coast zone): Midlate maturing Co canes - data at 360 days

'Co' number	Parentage	Cane yield	CCS t/ha	Sucrose %	CCS%	Purity%	Red rot reaction
Co 13025	CoSnk 03-61 X Co 86011	115.36	13.02	16.75	11.28	83.83	MR
Co 13026	GBB 986002 X CoSnk 03-754	104.05	12.93	18.26	12.42	85.49	MR
Co 13027	GBB 986002 X CoSnk 03-754	84.39	9.21	16.10	10.91	84.78	R
Co 13028	GBB 986002 X CoSnk 03-754	91.69	11.55	17.83	12.60	92.58	MR
Co 13029	GBB 986002 X CoSnk 03-754	141.73	15.30	15.92	10.79	84.86	R
Co 13030	CoSnk 03-61 X Co 775	129.29	11.99	15.88	10.72	84.20	MR
Co 13031	Co 7704 X CoT 8201	72.63	8.68	17.36	11.95	87.50	R

Co 13032	CoS 8436 X Co 775	82.74	9.95	17.59	12.03	86.39	MR
Standards							
Co 86249		71.31	7.08	14.92	9.93	81.89	
Co7219		74.26	8.50	16.60	11.45	87.92	
CoV 92102		62.54	6.04	15.18	10.27	84.52	
CD 5%		8.12	1.27	1.01	0.84	2.11	
CV		14.68	11.15	5.98	5.77	4.21	

Karnal: Early maturing Co canes - data at 300 days

'Co' number	Parentage	Cane Yield (t/ha)	CCS yield (t/ha)	CCS%	Sucrose %	NMC 000/ha	Red rot reaction
Co 13033	Co 86032 x Co 86011	81.09*	10.68*	13.18	18.79	76.17	R
Co 13034	Co 0124 GC	93.17*	12.28*	13.17	18.88	79.31	MR
Standard							
CoJ 64		53.60	6.84	12.76	18.17	71.98	
CD		9.98	1.33	1.32	1.65	17.57	
CV%		8.76	9.91	6.97	6.01	15.79	

Karnal: Mid-late maturing Co canes - data at 360 days

'Co' number	Parentage	Cane Yield (t/ha)	CCS yield (t/ha)	CCS%	Sucrose%	NMC/000/ha	Red rot reaction
Co 13035	Co 98008 x Co 89003	87.47*	11.11*	12.69	18.12	74.42*	MS
Co 13036	Co 0240 x Co 8347	100.16*	12.91*	12.88*	18.45	82.81*	R
Standards							
CoS 8436		44.56	5.71	12.82	18.28	56.60	
CoS 767		67.58	8.25	12.19	17.45	78.62	
CD		9.98	1.48	1.15	1.48	17575	
CV%		8.76	10.68	5.81	5.21	15.79	