

**Table 1. Performance of ‘Co’ selections (Early) 2011 at Coimbatore**

‘Co’ Number	Parentage	Cane yield (t/ha)	CCS (t/ha) at 300 days	At 300 days			Disease reaction	
				Sucrose (%)	CCS (%)	Brix	Red rot (Nodal)	Sm ut
Co 11001	Co 86011 GC	108.89	16.21	20.62	14.89	21.17	R	S
Co 11002	CoC 671 x Co 740	94.44	11.35	17.06	12.02	18.54	R	R
Co 11003	9847115 x 971862*	107.78	13.03	17.31	12.09	19.19	-	-
Co 11004	971840 x 987071*	105.56	15.44	20.32	14.63	21.02	R	R
<b>Standards</b>								
CoC 671		103.61	14.06	19.05	13.68	19.85		
Co 94008		88.05	9.09	14.82	10.27	16.82		
CD 5%		8.22	1.60	1.11	0.91	0.92		
CV		5.00	8.14	4.21	4.88	3.24		

\* the parentage of the clones are as given below:

9847115 = [Co 7201 x (Co 62174 x SES 91)] x [(28NG 221 x SES 515-7) x Co 775]

971862 = Co 7201 x Co 86011

971840 = Co 7201 x Co 86011

987071 = Co 8371 x Co 86011

**Table 2. Performance of ‘Co’ selections (Mid-late) 2011 at Coimbatore**

‘Co’ Number	Parentage	Cane yield (t/ha)	At 360 days				Disease reaction	
			CCS yield (t/ha)	Sucrose (%)	CCS (%)	Brix	Red rot (Nodal)	Sm ut
Co 11005	Co 86008 x (Co 7201 x Co 7314)	124.44	17.84	20.48	14.34	22.58	R	MS
Co 11006	987139 x 984043*	107.78	13.52	18.69	12.54	20.18	R	MR
Co 11007	986109 x 987001*	113.33	15.77	20.02	13.92	21.63	R	MR
Co 11008	971840 x 987071*	111.89	14.82	19.07	13.25	21.38	R	S
Co 11009	Co 97015 x Co 94008	114.44	14.35	18.89	12.54	21.63	R	MS
Co 11010	9860105 x 986179*	120.00	15.49	18.69	12.91	21.18	R	R
Co 11011	984784 x 971862*	110.00	14.49	19.22	13.17	22.18	R	HS
Co 11012	971840 x 987071*	107.76	14.60	19.54	13.55	22.01	R	R
Co 11013	Co 6806 x Co 775	116.67	14.71	18.25	12.61	20.71	R	S
Co 11014	Co 7201 x CoC 671	107.78	13.75	18.45	12.76	20.86	R	MS
Co 11015	CoC 671 x Co 86011	135.70	20.09	21.46	14.81	24.39	-	-
<b>Standards</b>								
Co 86032		107.22	13.49	18.13	12.59	20.35		
Co 99004		119.44	15.34	18.59	12.84	21.08		
CoM 0265		109.44	12.81	17.42	11.68	19.75		
CD 5%		8.22	1.90	1.11	1.18	0.97		
CV		5.00	9.24	3.94	6.10	3.04		

\* the parentage of the clones are as given below:

987139 = Co 8371 x Co 86011

984043 = N21C08032 x CN<sup>1</sup>C1147

986109 = [Co 7201 x (Co 62174 x SES 91)] x Co 87045

987001 = Co 8353 x Co 86011

971840 = Co 7201 x Co 86011

987071 = Co 8371 x Co 86011

9860105 = [Co 7201 x (Co 62174 x SES 91)] x Co 88037

986179 = [Co 7201 x (Co 62174 x SES 91)] x Co 87045

984784 = [Co 7201 x (Co 62174 x SES 91)] x [(28NG 221 x SES 515-7) x Co 775]

971862 = Co 7201 x Co 86011

N 21C08032 = {[Uahi -e-pele x (28 NG 51 x SES 44A)] x (NG 77-137 x SES 198)} x CoC 671

CN1C1147 = Co 7201 x [(28 NG 221 x SES 515-7) x Co 775]

**Table 3. Performance of Co selections (Early) 2010-2011, Location- Ugar Khurd, North Karnataka**

'Co' number	Parentage	Cane yield (t/ha)	CCS (t/ha) (300 days)	CCS (%)		Sucrose (%)		Disease reaction	
				300 days	360 days	300 days	360 days	Red rot (Nodal)	Smut*
Co 11016	Co 92024 GC	142.08*	18.85	13.36	13.26	19.46	19.31	MR	N
Co 11017	ISH 1 x CoV 92102	136.80*	19.83	13.91	14.50	20.18*	20.89	MS	N
Co 11018	Co 8371 x CoH 104	158.80*	20.06	13.42	12.63	19.50	18.45	R	N
<b>Standards</b>									
CoC 671		115.38	16.06	12.85	13.92	19.13	20.24		
CD 5%		13.17	1.88	0.32	0.45	0.84	0.88		

\*N – Not infected at Coimbatore and no natural incidence of smut observed at Ugar

**Table 4. Performance of Co selections (Mid-late) 2010-11, Location- Ugar Khurd, North Karnataka**

'Co' number	Parentage	Cane yield (t/ha)	CCS t/ha (360 Days)	CCS (%)		Sucrose (%)		Disease reaction	
				300 days	360 days	300 days	360 days	Red rot (Nodal)	Smut *
Co 11019	Co 98008 x CoA 7602	129.21	18.12	13.18	14.03	19.20	20.37	R	N
Co 11020	Co 8371 x CoH 104	140.55*	18.88	11.80	13.44	18.10	19.45	T	N
Co 11021	ISH 1 x CoV 92102	146.43*	21.70	13.12	14.82	19.07	21.26*	MR	N
Co 11022	87A380 x CoV 92102	141.21*	19.74	12.55	13.98	18.26	20.27	MR	N
Co 11023	Co 92024 GC	143.06*	19.12	13.31	13.37	19.29	19.44	R	N

Co 11024	Co 92024 GC	143.89*	20.01	12.31	13.91	18.03	20.45*	R	N
Co 11025	Co 92024 GC	150.00*	19.97	13.32	13.32	19.43	19.36	S	N
<b>Standard</b>									
Co 86032		124.24	16.63	12.48	13.38	18.38	19.51		
CD 5%		13.17	1.88	0.32	0.45	0.84	0.88		

\*N – Not infected at Coimbatore and no natural incidence of smut observed at Ugar

**Table 5. Performance of ‘Co’ selections (Mid-late) 2011 at Sugarcane Breeding Institute Regional Centre, Karnal**

‘Co’ Number	Parentage	Cane yield (t/ha)	CCS yield (t/ha)	CCS (%)		Pol (%)		Brix		Red rot rating
		12 m	12 m	10 m	12 m	10 m	12 m	10 m	12 m	(Plug)
Co 11026	CoS 92263 GC	99.61*	12.77*	10.27	12.82	15.38	18.34	18.67	20.30	MR
Co 11027	CP 52-1 GC	97.30	12.90*	10.85	13.27	15.89	18.97	18.47	20.97	MR
<b>Standards</b>										
CoS 767		87.40	9.86	9.54	11.26	14.17	16.12	16.93	17.87	
CoS 8436		79.32	10.42	9.02	13.15	13.53	18.82	16.47	20.83	
CD at 5%		11.35	1.40	1.55	1.16	1.94	1.47	1.62	1.2	
CV %		10.38	11.44	10.06	6.29	8.50	5.50	5.94	3.93	

\* Significantly superior to the best standard at P=0.05