

Performance of Co canes identified during 2022-23 at Coimbatore

Co numbers	Parentage	CCS Yield (t/ha)	Cane Yield (t/ha)	Sucrose (%)		Red rot rating		Smut
				300 days	360 days	Plug	Nodal	
Co 23001	CoC 671 x Co 775	22.77*	156.76*	18.41	20.44	MS	R	MS
Co 23002	2013-157 GC	22.05*	150.80	18.82	20.44	MR	R	R
Co 23003	PZVT 2012-53PC	21.93*	160.66*	18.96	19.51	MS	R	S
Co 23004	CoM 0265 PC	20.90	147.73	18.90	20.02	MS	R	S
Co 23005	Co 8371 x Co 94005	21.56*	157.11*	17.94	19.47	MR	R	MS
Co 23006	2017-187 x CoVC 14061	21.54*	149.03	19.68	20.41	MR	R	MR
Co 23007	Co 0118 GC	24.68*	169.81*	19.96	20.49	MR	R	MS
Co 23008	Co 87044 PC	18.16	111.68	22.17	22.89	MR	R	R
Co 23009	Co 86032 x Co 12009	21.83*	155.11*	17.77	19.92	MR	R	MS
Co 23010	Co 10026 x Co 11015	26.20*	170.42*	19.26	21.73	MR	R	MS
Co 23011	Co 10033 x CoC 671	20.91	150.59	17.31	19.83	MS	R	MS
Co 23012	2017-187 x CoVC 14061	25.45*	187.36*	16.46	19.39	MS	R	S
Co 23013	Co 0238 x Co 11015	21.28*	152.06*	17.59	19.77	MR	R	MS
Co 23014	CoVC 14061 x Co 12009/Co 06022	24.34*	176.22*	17.56	19.40	MS	R	MR
Co 23015	(Co 0118 x S. spon. SES 114) x Co 11015	20.57	138.25	20.29	20.94	MS	R	MR
Co 23016	CYMA 09-1359 x Co 11015	21.96*	146.72	19.35	21.15	MR	R	MS
Co 23017	CoC 671 x Co 775	22.16*	154.87*	18.47	20.28	MS	R	S
Co 23018	Co 16018 x (Co 0209, Co 0303, CoPant 97222)	22.03*	159.97*	18.70	19.56	MR	R	MR
Genetic stocks								
Co 23019	1148-13-11-2-255 x Co 12014	22.00*	138.63	18.67	22.29	MR	R	MR
Co 23020	Co 0118 GC	19.75	124.63	20.75	22.47	MR	R	MR
Co 23021	GUK 16-967 (GUK13-1180 (IK76-10) x Co 96011	17.94	135.44	18.65	18.95	MR	R	R
Standards								
Co 86032		16.80	127.89	17.70	18.88			
Co 11015		19.00	118.49	21.26	22.57			
CoC 671		17.67	111.61	21.12	22.23			
CD		4.39	23.33	1.13	1.43			
CV		11.22	10.22	2.99	3.58			

- C. Appunu, V. Vinu

Performance of 'Co' canes identified during 2023-24 at Coimbatore

Co number	Parentage	CCS yield (t/ha)	Cane yield (t/ha)	Sucrose %		Red rot		Smut
				300 days	360 days	Plug	Nodal	
Co 24001	Co 98010 x Co 97015	18.46	131.93	17.39	20.12*	MS	R	MR
Co 24002	Co 99006 x Co 0209	18.97	134.66	17.38	20.10*	MS	R	HS
Co 24003	Co 11015 x Co 12009	23.80*	150.00*	20.58	22.48*	R	R	-
Co 24004	Co 11015 x Co 16017	21.10*	141.66*	19.06	21.27*	MR	R	HS
Co 24005	Co 99006 x CoT 8201	20.22*	141.15	18.04	20.64*	MS	R	MR
Co 24006	Co 8371 x Co 94008	18.61	137.73	17.19	19.36	MR	R	MS
Co 24007	Co 11015 x Co 13014	18.20	116.52	18.42	22.18*	MR	R	S
Co 24008	Co 14020 x Co 11015	20.11*	144.04*	16.65	19.85	MS	-	HS
Co 24009	Co 11015 x Co 16017	19.22	134.34	17.73	20.33*	MR	R	R
Co 24010	Co 0238 GC	17.72	122.61	20.24	20.74*	MS	R	-
Co 24011	Co 10026 x Co 11015	18.66	133.00	18.10	20.23*	MR	R	MS
Co 24012	Co 86032 x PC (Co 11015, Co 12009, Co 16006)	22.20*	164.77*	16.94	19.46	MS	R	MR
Co 24013	PZVT2017-187 GC	23.77*	149.06*	19.47	22.63*	-	-	-
Genetic Stocks								
Co 24014	Co 05008 x CoT 8201	23.73	158.13	18.76	21.55	HS	S	HS
Co 24015	GUK15-474 x WL12-101	15.12	110.53	16.52	19.88	MR	R	HS
Standards								
Co 86032		15.02	118.50	16.63	18.27			
Co 09004		18.78	124.08	19.57	21.60			
Co 11015		19.19	130.66	19.80	20.86			
CoC 671		15.91	107.99	18.00	21.13			
CD		4.48	22.97	1.83	1.72			
CV		13.22	13.51	5.40	4.46			

- R. Karuppaiyan & S. Sheelamary

Performance of Co canes identified during 2024-25 at Coimbatore

Co number	CCS Yld t/ha	Cane yld (t/ha)	Sucrose % 10m	Sucrose % 12m	CCS % 10m	CCS % 12m	Red rot (Plug)	Red rot (Nodal)
Co 25001	18.58	118.68	21.72*	21.70	13.34	15.69	R	R
Co 25002	17.26	124.79	21.44	20.77	14.92	14.68	R	R
Co 25003	20.64*	126.70	22.30*	22.50*	16.08	16.29	MR	R
Co 25004	20.03	125.76	20.73	21.69	14.57	15.58	MR	-
Co 25005	20.91*	129.76	22.32	22.67*	15.86	16.23	R	R
Co 25006	19.20	128.26	20.85	20.32	13.70	14.58	MR	R
Co 25007	20.92*	138.37*	20.05	21.08	14.04	15.12	R	R
Co 25008	19.73	128.18	20.68	21.38	14.66	15.39	MR	R
Co 25009	20.40	124.44	21.35	22.53*	15.16	16.39	MR	-
Co 25010	21.92*	132.67	20.60	22.11*	14.29	15.87	MR	R
Co 25011	19.77	124.48	20.08	21.30	14.10	15.38	R	R
Co 25012	20.49*	135.38	20.82	20.15	15.03	14.63	R	R
Co 25013	22.67*	152.74*	19.87	21.98*	13.88	14.84	R	R
Genetic stock								
CoGS 25014	21.71*	138.68*	20.51	21.58	14.53	15.65	S	S
Standards								
Co 09004	18.10	116.18	22.87	21.90	16.59	15.58	R	R
Co 11015	20.81	121.98	23.29	23.47	16.88	17.06	MR	R
Co 86032	17.74	121.04	20.39	20.62	14.41	14.66	R	R
CoC 671	16.10	99.27	23.58	22.45	17.41	16.22	HS	S
Mean	17.85	115.27	21.11	21.52	15.08	15.50		
CD	2.84	16.80	1.28	1.33	1.43	1.26		
CV	9.72	8.90	2.97	3.03	4.63	3.96		

-K. Elayaraja & Maruthi, R.T.

Performance of Co canes identified during 2025-26 at Coimbatore

Co number	Parentage	CCS Yld t/ha	Cane yld (t/ha)	CCS % 12m	Sucrose % 12m	Brix % 12m	Red rot (Plug)	Red rot (Nodal)
Co 26001	Co 0238 x Co 11015	21.72	148.00	14.67	20.74	22.34	MR	R
Co 26002	Co 86002 x CoTI 14111	17.65	117.65	15.00	21.25	22.99	MS	R
Co 26003	Co 11015 x 85R186	18.15	121.96	14.88	21.12	22.96	MR	R
Co 26004	Co 14020 x Co 11015	19.09	119.79	15.94	22.42	23.89	MR	R
Co 26005	Co 11015 x CoVC 14061	17.56	117.71	14.92	21.10	22.75	MR	R
Co 26006	CoTI 14111 x 2018-47	17.98	122.83	14.64	20.61	22.00	MR	R
Co 26007	Co 0238 x Co 12009	19.51	133.91	14.57	20.64	22.35	MR	R
Co 26008	Co 11015 GC	18.29	123.23	14.84	20.94	22.47	MR	R
Co 26009	Co 11015 x CoH 19	17.11	116.88	14.64	20.72	22.38	MS	R
Co 26010	Co 8371 X Co 11015	18.09	122.85	14.73	20.83	22.47	MR	R
Co 26011	VSI 12121 GC	17.70	117.15	15.11	21.27	22.70	MR	R
Co 26012	Co 8371 x Co 12009	21.31	150.73	14.14	20.04	21.72	MR	R
Co 26013	CoVC 14061 x Co 12009	19.56	133.26	14.68	20.73	22.28	MR	R
Co 26014	Co 11015 x CoT 8201	20.68	142.00	14.56	20.65	22.41	MR	R
Standards								
Co 86032		16.61	116.86	14.21	20.08	21.61		
Co 09004		13.40	88.96	15.06	21.58	23.95		
Co 11015		14.09	93.82	15.02	21.36	23.31		

- **R.M Shanthi and Adhini S Pazhany**