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Annual Report
of
ALL INDIA CO-ORDINATED RESEARCH
PROJECT (AICRP)
ON
SUGARCANE
DISCIPLINE : CROP IMPROVEMENT
YEAR : 2015-16



MAIN SUGARCANE RESEARCH STATION
NAVARI AGRICULTURAL UNIVERSITY,
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GUJARAT

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PROFORMA- I

**Meteorological observations recorded at Main Sugarcane Research Station, NAU,
Navsari from Oct. 2014 to Feb. 2016.**

Sr. No.	Month	Temp. ⁰ c.		Relative humidity		Rainfall (mm)	Rainy days
		Max.	Min.	A.M.	P.M.		
1	Oct. 2014	35.9	22.4	83.2	43.0	-	-
2	Nov 2014	33.6	19.2	85.5	42.6	67.0	3
3	Dec. 2014	30.4	14.0	72.8	40.5	-	-
4	Jan. 2015	28.9	12.9	79.5	36.8	-	-
5	Feb. 2015	30.9	14.1	83.4	38.9	-	-
6	Mar. 2015	32.5	18.2	85.5	44.8	10	2
7	April 2015	33.6	22.9	88.1	52.6	0.5	1
8	May 2015	35.1	26.4	83.3	57.4	0	0
9	June 2015	31.9	25.7	87.1	71.2	379.5	13
10	July 2015	30.7	26.2	86.8	77.4	321	20
11	Aug. 2015	30.6	25.5	90.2	73.7	65	16
12	Sept 2015	31.1	23.4	91.7	68.4	440	11
13	Oct. 2015	35.6	22.9	86.3	43.0	3.0	1
14	Nov 2015	33.1	20.3	77.7	39.7	0	0
15	Dec. 2015	31.4	13.6	71.3	27.9	0	0
16	Jan. 2016	30.5	11.8	81.4	29.5	0	0
17	Feb. 2016	30.3	13.8	85.4	33.9	0	0
Total						1286	67

The average maximum temperature was in October-2014 (35.9 °C) and minimum temperature in January-2015 (11.8 °C). The monsoon commenced in 3rd week of June-2015 and was terminated in 2nd week of October-2015. The total rainfall of 1286 mm was received in 67 rainy days. The highest rainfall of 440.00 mm was received in 11 rainy days during September 2015 followed by June 2015 (379.5 mm) and July (321 mm). The weather condition remained favorable for sugarcane growth and normal crop was harvested due to no severe incidence of major diseases and pests.

Peninsular Zone

1. Initial Varietal Trial (Early I Plant)

Sr. No.	Clone	CCS (t/ha)	Cane yield (t/ha)	Brix % (10 m)	Sucrose % (10m)	Purity % (10m)	CCS % (10m)	Pol % cane (10m)	Extraction % (10m)	Fibre % (10m)	NMC at 10m ('000/ha)
1	Co 12001	10.79	103.95	17.59	15.28	87.13	10.49	11.30	55.95	15.97	115.97
2	Co 12003	11.04	101.45	18.74	16.08	86.21	10.98	12.10	55.14	14.77	99.93
3	Co 12006	13.39	108.04	18.74	17.50	93.49	12.43	13.14	60.68	14.96	100.69
4	Co 12007	11.12	103.04	19.34	16.06	83.30	10.78	12.18	57.17	14.12	96.62
5	Co 12008	14.36	111.67	20.19	18.34	90.87	12.86	13.75	60.65	15.02	108.08
6	CoM 12081	14.11	118.03	18.99	17.14	90.35	11.99	12.76	61.45	15.58	109.86
7	CoM 12082	16.31	130.52	19.49	17.79	91.31	12.50	13.40	62.89	14.68	123.61
8	CoM 12083	15.60	121.21	20.52	18.45	90.00	12.88	13.83	58.16	15.06	117.25
9	CoN 12071	14.08	112.80	20.29	18.01	88.87	12.49	13.42	58.18	15.49	95.34
10	CoN 12072	16.29	123.93	20.69	18.77	90.76	13.15	13.99	60.64	15.44	107.82
11	CoT 12366	15.02	116.89	21.19	18.60	87.91	12.84	13.95	57.38	15.02	112.92
12	CoT 12367	13.37	114.85	20.69	17.31	83.82	11.66	13.00	57.63	14.87	111.64
Stds											
1	CoC 671	14.06	106.90	20.69	18.75	90.77	13.14	14.07	57.68	14.93	96.11
2	Co 94008	10.83	98.72	18.34	16.11	87.91	11.12	12.29	60.12	14.43	93.56
3	Co 85004	12.70	101.68	19.69	17.90	90.95	12.55	13.53	58.06	13.69	101.20
	SE	0.75	4.66	0.38	0.50	3.10	0.41	0.36	1.16	0.36	4.59
	CD at 5 %	2.29	14.14	1.16	1.51	NS	1.24	1.08	3.52	1.11	13.93
	CV %	7.88	5.91	2.75	4.02	4.92	4.77	3.86	2.79	3.45	6.12

Sr. No.	Clone	Stalk Length (m)	Stalk Diameter (cm)	Single cane weight (kg)	Brix % (8 m)	Sucrose % (8 m)	Purity % (8 m)	CCS % (8 m)	No. of shoots ('000/ha) 240 days	No. of tillers ('000/ha) 120 days	Germination % (30 days)
1	Co 12001	243.44	2.51	1.04	14.69	12.19	83.07	8.17	135.58	150.38	43.05
2	Co 12003	232.00	2.51	0.98	15.84	12.37	78.15	8.02	137.47	155.73	46.53
3	Co 12006	232.50	2.58	1.06	15.74	12.46	79.20	8.14	133.69	145.93	37.50
4	Co 12007	237.50	2.61	1.09	17.44	13.70	78.53	8.91	143.14	156.62	45.14
5	Co 12008	268.00	2.72	1.12	18.59	14.99	80.61	9.90	133.69	149.49	54.86
6	CoM 12081	256.50	2.69	1.09	16.74	13.79	82.40	9.21	135.58	153.95	56.25
7	CoM 12082	295.50	2.78	1.30	15.94	12.44	78.02	8.06	158.26	173.53	54.86
8	CoM 12083	272.50	2.72	1.19	17.49	14.10	80.63	9.31	150.70	162.25	53.47
9	CoN 12071	291.00	2.63	1.09	16.74	14.49	86.50	9.90	145.03	162.55	50.00
10	CoN 12072	295.00	2.77	1.17	17.44	15.28	87.50	10.51	161.09	175.31	55.55
11	CoT 12366	278.00	2.69	1.16	17.04	13.88	81.47	9.21	144.09	157.51	51.39
12	CoT 12367	290.00	2.72	1.17	17.24	14.65	84.96	9.94	148.81	169.97	56.94
Stds											
1	CoC 671	273.50	2.75	1.21	17.49	14.83	84.77	10.05	128.97	149.49	44.44
2	Co 94008	265.00	2.64	1.07	16.49	13.34	80.91	8.82	134.64	147.71	45.14
3	Co 85004	239.00	2.63	1.04	17.79	14.66	82.41	9.79	143.14	153.05	42.36
	SE	13.15	0.03	0.03	0.43	0.29	0.72	0.26	5.93	5.91	2.23
	CD at 5 %	39.89	0.09	0.10	1.32	0.87	2.20	0.78	17.99	17.93	6.76
	CV %	7.03	1.63	4.11	3.65	2.95	1.25	3.98	5.90	5.30	6.41

2. Advance Varietal Trial (Early I Plant)

Sr. No.	Clone	CCS (t/ha)	Cane yield (t/ha)	Brix % (10 m)	Sucrose % (10m)	Purity % (10m)	CCS % (10m)	Pol % cane (10m)	Extraction % (10m)	Fibre % (10m)	NMC at 10m ('000/ha)
1	Co 10004	13.75	106.57	19.11	18.07	94.59	12.89	13.68	60.68	14.64	110.57
2	Co 10005	12.30	100.18	18.83	17.40	92.47	12.26	13.13	60.65	15.42	105.77
3	Co 10006	12.48	94.63	20.82	18.84	90.61	13.19	14.29	58.86	13.95	100.56
4	Co 10024	15.42	115.00	20.48	18.96	92.66	13.42	14.13	59.49	15.15	118.99
5	Co 10026	14.36	110.92	20.24	18.45	91.23	12.96	14.44	61.16	14.01	115.58
6	Co 10027	13.11	107.87	20.18	18.19	90.14	12.10	13.76	58.79	14.63	110.37
7	CoT 10366	15.78	121.11	20.01	18.81	93.65	13.03	14.18	59.50	14.42	123.89
8	CoT 10367	15.59	118.79	20.13	18.61	92.57	13.15	14.10	58.22	14.17	122.49
Std s											
1	CoC 671	14.34	108.24	20.04	18.69	93.40	13.27	13.96	60.33	15.16	120.09
2	Co 94008	13.92	109.63	19.43	17.99	92.72	12.71	12.48	58.27	13.70	113.98
3	Co 85004	14.51	115.64	20.67	18.22	88.40	12.48	13.27	57.88	14.65	110.47
	SE	0.74	4.43	0.44	0.31	2.35	0.29	0.33	1.21	0.40	3.97
	CD at 5 %	2.18	13.01	1.29	0.90	NS	0.84	0.97	NS	1.17	11.65
	CV %	9.08	6.98	3.77	2.87	4.47	3.87	4.15	3.53	4.72	6.04

Sr. No.	Clone	Stalk Length (m)	Stalk Diameter (cm)	Single cane weight (kg)	Brix % (8 m)	Sucrose % (8 m)	Purity % (8 m)	CCS % (8 m)	No. of shoots ('000/ha) 240 days	No. of tillers ('000/ha) 120 days	Germination % (30 days)
1	Co 10004	266.96	2.42	1.06	15.31	13.48	88.16	9.31	130.75	141.43	48.07
2	Co 10005	258.13	2.57	0.98	16.91	14.14	83.80	9.52	129.49	138.82	52.99
3	Co 10006	223.51	2.37	1.08	17.42	15.02	86.35	10.27	124.46	137.95	45.11
4	Co 10024	261.31	2.54	1.08	18.34	15.56	84.84	10.55	134.83	146.64	53.48
5	Co 10026	236.23	2.60	1.17	17.37	14.99	86.29	10.25	131.69	140.85	47.54
6	Co 10027	259.89	2.61	1.13	16.64	14.57	87.58	10.04	129.18	139.40	49.20
7	CoT 10366	275.43	2.70	1.27	17.19	15.53	90.52	10.85	144.26	151.86	59.38
8	CoT 10367	269.08	2.74	1.18	17.83	15.64	87.70	10.78	141.11	149.25	47.35
Std s											
1	CoC 671	272.96	2.73	1.19	17.01	15.60	91.87	10.98	122.26	129.84	42.72
2	Co 94008	239.41	2.63	1.09	16.73	14.70	87.99	10.14	121.32	131.29	47.35
3	Co 85004	264.13	2.57	1.09	17.47	15.15	86.77	10.39	126.35	133.60	46.89
	SE	10.70	0.02	0.04	0.49	0.30	1.83	0.16	4.23	4.48	1.38
	CD at 5 %	31.38	0.06	0.10	1.44	0.87	NS	0.48	12.40	13.15	4.05
	CV %	7.19	1.35	5.53	4.96	3.42	3.63	2.74	5.61	5.55	4.87

3. Advanced Varietal Trial (Early II Plant)

Sr. No.	Clone	CCS (t/ha)	Cane yield (t/ha)	Brix % (10 m)	Sucrose % (10m)	Purity % (10m)	CCS % (10m)	Pol % cane (10m)	Extraction % (10m)	Fibre % (10m)	NMC at 10m ('000/ha)
1	Co 09004	15.51	117.46	20.85	18.84	90.26	13.28	13.59	58.08	13.92	115.99
2	Co 09007	13.74	107.67	19.25	17.92	91.53	12.75	14.33	56.94	14.11	109.25
3	CoN 09072	16.82	128.16	19.46	18.58	95.48	13.23	14.26	61.03	13.22	120.78
Stds											
1	CoC 671	11.60	93.64	19.56	17.58	89.51	12.50	13.47	58.91	13.32	88.70
2	Co 94008	10.77	97.95	18.90	16.10	85.09	11.02	12.21	58.94	14.10	95.09
3	Co 85004	12.73	101.21	19.70	17.95	90.28	12.52	14.28	57.28	13.93	102.93
	SE	0.58	4.83	0.37	0.42	1.88	0.24	0.31	0.91	0.05	3.96
	CD at 5 %	1.68	14.21	1.09	1.24	5.54	0.72	0.90	2.67	0.16	11.64
	CV %	8.65	9.05	3.73	4.71	4.28	3.96	4.55	3.08	0.80	7.65

Sr. No.	Clone	Stalk Length (m)	Stalk Diameter (cm)	Single cane weight (kg)	Brix % (8 m)	Sucrose % (8 m)	Purity % (8 m)	CCS % (8 m)	No. of shoots ('000/ha) 240 days	No. of tillers ('000/ha) 120 days	Germination % (30 days)
1	Co 09004	191.52	2.63	1.10	18.85	16.37	86.89	11.22	153.23	164.89	54.72
2	Co 09007	183.02	2.49	1.08	17.85	16.20	90.81	11.35	150.92	161.19	51.90
3	CoN 09072	214.72	2.68	1.15	18.20	17.52	94.91	12.35	156.51	170.40	57.73
Stds											
1	CoC 671	183.77	2.69	1.18	18.10	16.18	89.37	11.24	143.40	161.36	40.75
2	Co 94008	159.27	2.58	0.96	17.65	15.61	88.48	10.79	144.24	151.10	52.40
3	Co 85004	174.77	2.50	0.97	18.48	16.17	87.78	11.14	148.50	156.15	41.50
	SE	7.82	0.03	0.03	0.34	0.31	2.05	0.28	3.84	4.09	1.19
	CD at 5 %	23.00	0.09	0.10	1.00	0.90	NS	0.83	11.30	12.03	3.51
	CV %	8.50	2.23	6.36	3.80	3.77	4.51	4.99	5.20	5.06	4.75

4. Advanced Varietal Trial (Early I Plant) Ratoon

Sr. No.	Clone	CCS (t/ha)	Cane yield (t/ha)	CCS % (9 m)	Sucrose % (9 m)	Brix % (9 m)	Purity % (9 m)	Pol % cane (9 m)	Fibre % (9 m)	Extraction % (9 m)	NMC at 9 m ('000/ha)
1	Co 09004	13.71	109.76	12.52	18.31	19.81	93.41	13.44	14.90	58.78	114.24
2	Co 09007	11.52	101.57	12.52	16.27	17.86	90.63	14.10	15.08	58.54	105.70
3	CoN 09072	13.20	118.79	11.10	16.13	17.87	91.26	14.24	13.32	60.15	117.08
Stds											
1	CoC 671	9.54	84.00	11.39	16.43	18.95	87.44	13.32	14.14	59.87	85.42
2	Co 94008	9.62	85.04	11.31	16.52	19.22	86.39	12.13	14.63	59.63	92.85
3	Co 85004	10.50	88.65	11.87	16.98	18.78	90.39	14.06	15.11	57.42	99.86
	SE	0.30	3.80	0.10	0.19	0.43	1.81	0.30	0.30	0.91	3.16
	CD at 5 %	0.89	11.18	0.31	0.57	1.27	NS	0.87	0.89	2.66	9.30
	CV %	5.32	7.77	1.79	2.25	4.58	4.03	4.49	4.15	3.04	6.34

Sr. No.	Clone	Stalk Length (m)	Stalk Diameter (cm)	Single cane weight (kg)	No. of tillers ('000/ha) 120 days	No. of tillers ('000/ha) 90 days
1	Co 09004	180.00	2.59	1.08	160.98	131.38
2	Co 09007	178.50	2.42	1.05	148.05	125.14
3	CoN 09072	200.50	2.37	1.12	166.93	134.79
Std s						
1	CoC 671	181.75	2.57	1.15	156.51	128.21
2	Co 94008	164.00	2.60	0.94	146.14	133.06
3	Co 85004	168.25	2.61	0.95	145.57	131.06
	SE	5.85	0.02	0.04	4.94	3.52
	CD at 5 %	17.21	0.06	0.11	14.52	10.36
	CV %	6.53	1.63	7.03	6.52	5.49

5. Initial Varietal Trial (Midlate I Plant)

Sr. No.	Clone	CCS (t/ha)	Cane yield (t/ha)	Brix % (12 m)	Sucrose % (12m)	Purity % (12m)	CCS % (12m)	Pol % cane (12m)	Extraction % (12m)	Fibre % (12m)	NMC at 12m ('000/ha)
1	Co 12009	16.17	118.39	22.90	19.91	86.91	13.67	15.34	60.08	13.61	120.22
2	Co 12012	16.08	115.44	20.25	19.42	95.89	13.93	13.81	60.04	13.74	120.22
3	Co 12014	15.56	113.14	21.61	19.66	91.10	13.79	15.27	58.08	13.73	119.99
4	Co 12016	18.00	124.96	21.28	20.18	94.86	14.41	14.46	58.74	13.80	118.83
5	Co 12017	14.71	106.90	19.91	19.15	96.25	13.76	13.34	58.14	14.06	114.18
6	Co 12019	13.16	98.03	20.34	18.94	93.12	13.42	14.33	57.53	13.97	107.91
7	Co 12021	14.04	106.24	20.63	18.77	93.39	13.17	14.47	57.26	14.18	115.35
8	Co 12024	12.31	91.14	20.91	19.19	91.81	13.51	13.41	58.66	13.12	103.04
9	CoM 12084	16.10	118.72	20.30	19.06	93.93	13.56	13.41	61.44	14.13	120.92
10	CoM 12085	13.73	102.63	21.34	19.20	90.16	13.39	14.44	59.20	13.51	115.81
11	CoM 12086	14.93	108.54	19.97	19.14	94.51	13.73	13.92	57.82	13.11	116.04
12	CoN 12073	14.59	108.54	19.41	18.71	94.96	13.45	13.81	58.90	14.00	110.24
13	CoN 12074	15.50	114.78	21.22	19.27	90.90	13.50	14.36	58.72	13.33	112.33
14	CoT 12368	13.75	103.29	20.80	18.96	91.15	13.30	14.55	57.38	13.70	103.73
15	VSI 12121	15.51	118.72	21.34	18.89	88.50	13.08	13.56	58.68	13.27	118.36
Std s											
1	Co 86032	15.74	108.21	20.93	20.22	96.11	14.55	13.75	58.68	13.33	119.06
2	Co 99004	12.22	97.37	21.03	18.28	87.00	12.55	13.35	58.07	13.84	106.75
	SE	0.76	5.31	0.56	0.39	2.16	0.36	0.30	0.72	0.22	3.42
	CD at 5 %	2.27	15.83	1.67	1.15	6.44	1.09	0.89	2.16	0.67	10.21
	CV %	7.33	6.90	3.77	2.85	3.33	3.82	3.00	1.75	2.31	4.25

Sr. No.	Clone	Stalk Length (m)	Stalk Diameter (cm)	Single cane weight (kg)	Brix % (10 m)	Sucrose % (10 m)	Purity % (10 m)	CCS % (10 m)	No. of shoots ('000/ha) 240 days	No. of tillers ('000/ha) 120 days	Germination % (30 days)
1	Co 12009	269.29	2.43	1.07	19.77	16.21	82.84	10.74	128.00	148.22	39.24
2	Co 12012	265.51	2.51	1.06	18.52	17.17	92.50	12.18	140.33	148.22	47.05
3	Co 12014	254.16	2.54	1.11	18.39	16.60	90.47	11.60	122.99	165.14	39.24
4	Co 12016	255.11	2.43	1.04	18.70	17.04	90.99	11.98	132.06	148.22	45.53
5	Co 12017	265.51	2.42	1.16	18.87	17.11	90.44	12.01	126.65	140.53	34.53
6	Co 12019	261.73	2.46	1.09	18.20	16.45	90.77	11.49	142.89	132.83	43.87
7	Co 12021	264.56	2.61	1.10	18.52	16.58	89.73	11.54	120.81	148.22	37.28
8	Co 12024	238.08	2.63	0.94	18.58	15.77	85.83	10.62	145.60	136.68	39.24
9	CoM 12084	302.40	2.57	1.21	18.47	16.66	90.40	11.64	134.77	154.63	51.03
10	CoM 12085	270.24	2.50	1.13	19.39	16.53	85.50	11.21	135.31	146.94	42.38
11	CoM 12086	238.08	2.57	1.06	19.58	16.58	84.92	11.20	129.36	138.99	47.10
12	CoN 12073	271.19	2.54	1.13	18.82	17.31	91.65	12.24	129.90	148.22	46.32
13	CoN 12074	274.02	2.58	1.13	19.70	17.29	87.40	11.94	125.19	140.53	44.35
14	CoT 12368	241.86	2.56	1.06	18.46	16.60	90.17	11.57	144.25	150.78	46.81
15	VSI 12121	265.51	2.68	1.13	19.83	17.22	86.56	11.83	146.96	159.76	37.67
Std s											
1	Co 86032	268.35	2.67	1.01	19.70	17.03	86.36	11.66	134.02	159.76	46.32
2	Co 99004	290.10	2.60	1.04	20.82	18.05	85.79	12.43	120.50	122.07	38.85
	SE	9.70	0.03	0.03	0.35	0.32	2.86	0.32	4.93	6.85	0.93
	CD at 5 %	28.95	0.09	0.09	1.06	0.95	NS	0.95	14.72	20.45	2.77
	CV %	5.20	1.65	3.82	2.62	2.68	4.59	3.87	5.26	6.60	3.06

6. Advance Varietal Trial (Midlate I Plant)

Sr. No.	Clone	CCS (t/ha)	Cane yield (t/ha)	Brix % (12 m)	Sucrose % (12m)	Purity % (12m)	CCS % (12m)	Pol % cane (12m)	Extraction % (12m)	Fibre % (12m)	NMC at 12m ('000/ha)
1	Co 09009	14.06	112.31	21.18	18.28	86.48	12.52	13.96	58.07	13.63	110.89
2	Co 10015	14.64	129.25	20.63	17.11	83.19	11.33	13.06	61.70	13.63	123.71
3	Co 10017	13.56	109.71	19.82	17.75	89.66	12.36	13.58	59.86	13.49	110.60
4	Co 10031	12.99	107.72	19.06	17.28	90.72	12.06	13.19	57.67	13.67	110.01
5	Co 10033	14.21	116.69	19.38	17.47	90.20	12.18	13.29	61.63	13.91	105.74
6	Co 10083	14.08	122.08	19.65	17.00	86.70	11.53	13.03	59.71	13.32	117.23
7	CoT 10368	13.14	111.71	19.00	17.01	89.53	11.76	12.98	58.10	13.65	110.45
8	CoT 10369	15.40	117.49	20.79	18.67	89.84	13.11	14.21	58.77	13.88	109.57
9	CoVC 10061	13.53	109.52	20.09	17.82	88.82	12.35	13.68	57.68	13.25	105.15
10	PI 10131	14.09	108.12	21.83	18.90	86.78	13.03	14.38	59.66	13.91	126.81
11	PI 10132	12.43	96.16	20.20	18.34	90.85	12.93	13.97	59.17	13.85	100.58
Std s											
1	Co 86032	14.85	115.10	21.23	18.75	88.31	12.90	13.64	58.84	13.49	115.61
2	Co 99004	14.77	120.08	20.10	17.83	88.50	12.30	13.97	58.68	14.30	116.34
	SE	0.60	4.94	0.50	0.28	2.69	0.34	0.19	1.76	0.17	4.44
	CD at 5 %	1.86	15.23	1.54	0.86	NS	1.05	0.57	NS	0.52	13.69
	CV %	6.11	6.16	3.50	2.22	4.30	3.89	1.94	4.20	1.75	5.58

Sr. No.	Clone	Stalk Length (m)	Stalk Diameter (cm)	Single cane weight (kg)	Brix % (10 m)	Sucrose % (10 m)	Purity % (10 m)	CCS % (10 m)	No. of shoots ('000/ha) 240 days	No. of tillers ('000/ha) 120 days	Germination % (30 days)
1	Co 09009	262.12	2.47	1.06	19.22	16.12	83.89	10.87	127.06	153.09	43.86
2	Co 10015	300.18	2.55	1.21	19.59	15.95	81.50	10.59	154.62	174.15	54.81
3	Co 10017	273.47	2.44	1.04	18.95	15.95	84.15	10.77	141.84	153.36	49.80
4	Co 10031	259.45	2.55	1.12	18.61	16.09	86.50	11.01	149.81	164.33	54.68
5	Co 10033	248.76	2.65	1.08	18.14	16.21	89.36	11.28	138.84	147.86	50.01
6	Co 10083	277.99	2.65	1.08	18.82	15.83	84.08	10.69	150.71	163.10	56.27
7	CoT 10368	275.05	2.74	1.15	18.60	15.96	85.79	10.88	146.35	160.82	55.79
8	CoT 10369	268.13	2.59	1.12	18.80	16.94	88.10	11.82	145.30	150.78	48.78
9	CoVC 10061	312.20	2.55	1.17	19.00	15.45	81.27	10.24	129.07	146.31	48.69
10	PI 10131	242.75	2.59	0.92	18.33	15.52	84.70	10.51	115.73	169.15	56.13
11	PI 10132	264.79	2.59	1.06	18.12	15.62	86.20	10.67	128.32	133.87	49.12
Stds											
1	Co 86032	246.31	2.67	1.13	18.91	17.31	86.52	12.17	137.49	148.66	50.92
2	Co 99004	280.81	2.67	1.11	18.29	15.86	86.74	10.88	138.69	165.20	54.42
	SE	12.23	0.05	0.04	0.26	0.32	1.72	0.32	6.80	6.68	1.67
	CD at 5 %	37.67	0.15	0.13	0.81	0.99	NS	1.00	20.96	20.57	5.15
	CV %	6.40	2.64	5.32	1.98	2.83	2.85	4.17	6.93	6.04	4.57

Particulars of crosses made for Navsari

Station Crosses

Fluff planting date: - / /2016

Sr. No.	Cross No.	Female	Male	Quantity of fluff (g)	Plant Survival	
					Planted in polythene bag (08-04-15)	Planted in field (05-13/05/15)
1.	10	CoLk 8102	CoH 15	42.0	152	150
2.	22	CoN 05071	NCo 310	32.5	-	-
3.	23	CoSnk 05103	Co 62198	27.5	-	-
4.	39	CoN 05071	Co 62198	17.5	42	39
5.	40	CoN 05071	Co 89029	15.5	-	-
6.	53	Co 8353	BO 130	18.5	143	143
7.	84	BO 91	Co 62198	9.5	53	52
8.	85	CoN 05071	Bo 130	16.0	187	180
9.	98	CoS 96275	Co 0235	10.5	-	-
10.	99	CoSnk 05103	Co 87268	21.0	20	20
11.	114	CoN 05072	Co 62198	20.5	15	12
12.	115	Co 87272	BO 130	4.5	14	14
13.	70	Co 8353	NCo 310	6.5	4	4
			Total	242.0	630	614

Zonal Crosses

Sr. No.	Cross No.	Female	Male	Quantity of fluff (g)	Plant Survival	
					Planted in polythene bag	Planted in field
1.	572	ISH 41	Co 94008	9.5	331	330
2.	573	Co 0312	Co 0209	9.5	226	220
3.	602	CoV 94101	Co 97015	3	-	-
4.	631	CoC 671	CoT 8201	6.5	24	24
5.	632	CoM 0265	CoC 671	6	-	-
6.	642	CoC 671	Co 94008	7.5	4	4
7.	668	Co 86032	Co 94005	5	150	149
			Total	47	735	727

PCs

S. No.	Female	Male	Quantity of fluff (g)	Plant Survival	
				Planted in polythene bag	Planted in field
1.	Co 94012		10.5	67	57
2.	CP 52-68		5.5	62	62
3.	CoC 90063	Co 775	5.0	5	5
4.	CoV 89101	Co 99006	13.0	871	860
5.	Co 7201	Co 86011	10.0	315	310
6.	CoA 7602	ISH 69	8.5	308	298

7.	Co 2000-10	Co 94008	5.5	12	12
8.	ISH 100	CoT 8201	4.0	4	4
9.	86 V 46	CoV 92102	6.5	12	12
10.	CoC 671	Co 93009	6.5	7	7
11.	CoM 0265		4.0	2	2
12.	Co 85002		5.5	90	90
13.	Co 8371		5.5	540	520
		Total	90.0	2295	2239

GCs

Sr. No.	Female	Quantity of fluff (g)	Plant Survival	
			Planted in polythene bag	Planted in field
1.	CoN 05072	42.0	372	360
2.	CoN 07072	63.5	485	484
3.	CoN 95132	13.5	-	-
4.	CoN 98133	10.0	20	20
5.	97 R 401	12.0	1167	920
6.	Co 89036	9.0	240	240
7.	Co 98008	43.5	2001	1990
8.	CoA 7602	16.0	36	36
9.	ISH 306	13.0	780	550
10.	Co 7915	27.0	433	430
	Total	249.5	5534	5030

Crosses	Fluff Wt.	Plant Survival	
		Planted in polythene bag	Planted in field
Station Crosses	242.0	630	614
Zonal Crosses	47.0	735	727
Poly Crosses	90.0	2295	2239
General Crosses	249.5	5534	5030
Grand Total	628.5	9194	8610

FLUFF SUPPLY PROGRAMME (CROSSING PROGRAMME):

Clonal Stage-I Trial

A total of 1075 clones were selected from 17210 single plants raised in fluff ground nursery and were planted on 13/04/2016 in non replicated augmented design in Clonal stage-I trial.

Clonal Stage-II Trial

A total of 293 clones were selected from C-I trial of 2411 clones and were planted on 17-19/01/2016 along with seven checks in C-II trial with two replications.

Clonal Stage-III Trial

A total of 40 promising clones along with six checks were planted in RBD with two replications in C-III trial on 12/02/2016.

The progress of selection under fluff supply programme is as under

Sr. No.	Year	Crosses	GC/PC	No. of seedlings	C-I	C-II	C-III
1	2016	13+7=20	13+10=23	8610	-	-	-
2	2015	14+14=28	13+11=24	17210	1075	-	-
3	2014	25+13=38	12+12=24	17740	1584	293+7	-
4	2013	20 + 13=23	41+13= 54	14521	1493	115	40+6
5	2012	16+14=30	13+18=31	23832	2411	377	50
6	2011	17+13=30	4+12=16	14740	1318	184	44

Number of Clones contributed for Zonal testing at national level.

Year	Early Clone	Midlate Clone
2010	CoN 10071	CoN 10073
	CoN 10072	-
2011	CoN 11071	CoN 11073
	CoN 11072	CoN 11074
2012	CoN 12071	CoN 12073
	CoN 12072	CoN 12074
2013	CoN 13071	CoN 13073
	CoN 13072	CoN 13074
2014	CoN 14071	CoN 14073
	CoN 14072	CoN 14074
2015	-	CoN 15071
	-	CoN 15072

1. Initial Varietal Trial (Early I Plant)

Sr. No.	Clone	CCS (t/ha)		Cane yield (t/ha)		Brix % (10 m)		Sucrose % (10m)		Purity % (10m)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12001	10.09	11.50	111.30	96.60	18.00	17.17	14.00	16.55	79.67	94.59
2	Co 12003	10.79	11.29	109.30	93.61	19.54	17.94	15.24	16.93	79.61	92.82
3	Co 12006	13.49	13.30	112.74	103.34	19.01	18.47	17.14	17.87	90.65	96.33
4	Co 12007	9.95	12.29	99.80	106.28	20.06	18.62	15.48	16.63	78.30	88.30
5	Co 12008	15.00	13.71	114.39	108.96	20.15	20.23	18.59	18.09	91.62	90.12
6	CoM 12081	14.25	13.98	113.80	122.26	18.80	19.18	17.62	16.66	92.66	88.04
7	CoM 12082	17.31	15.32	137.04	124.00	19.50	19.48	17.93	17.65	91.49	91.12
8	CoM 12083	16.50	14.70	128.56	113.86	20.09	20.94	18.30	18.61	90.53	89.47
9	CoN 12071	13.61	14.56	110.40	115.22	20.84	19.73	18.01	18.00	86.70	91.04
10	CoN 12072	15.79	16.78	120.03	127.84	20.79	20.58	18.81	18.72	90.26	91.27
11	CoT 12366	13.73	16.31	111.17	122.62	21.66	20.72	18.27	18.94	84.90	90.92
12	CoT 12367	13.05	13.68	117.57	112.14	21.30	20.08	16.94	17.67	80.25	87.38
Std s											
1	CoC 671	15.28	12.84	110.12	103.69	20.38	20.99	19.40	18.11	93.88	87.67
2	Co 94008	10.06	11.07	101.94	95.52	18.55	18.13	16.07	16.16	86.65	89.18
3	Co 85004	12.90	12.50	104.73	98.63	19.59	19.79	17.97	17.82	91.28	90.62
	SE	0.75		4.66		0.38		0.50		3.10	
	CD at 5 %	2.29		14.14		1.16		1.51		NS	
	CV %	7.88		5.91		2.75		4.02		4.92	

Sr. No.	Clone	CCS % (10m)		Pol % cane (10m)		Extraction % (10m)		Fibre % (10m)		NMC at 10m ('000/ha)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12001	9.44	11.54	10.41	12.20	54.21	57.68	15.65	16.29	117.21	114.74
2	Co 12003	10.15	11.80	11.49	12.71	56.12	54.15	14.62	14.93	107.45	92.41
3	Co 12006	12.05	12.80	12.77	13.50	61.14	60.21	15.49	14.43	104.85	96.53
4	Co 12007	10.16	11.40	11.77	12.60	58.11	56.23	14.00	14.24	89.38	103.85
5	Co 12008	12.97	12.74	14.02	13.48	60.15	61.14	14.57	15.47	112.09	104.07
6	CoM 12081	12.30	11.68	13.18	12.34	61.14	61.76	15.19	15.97	107.30	112.42
7	CoM 12082	12.53	12.47	13.42	13.37	63.14	62.64	15.12	14.25	129.23	117.99
8	CoM 12083	12.79	12.97	13.66	14.00	58.11	58.21	15.33	14.79	122.13	112.36
9	CoN 12071	12.32	12.67	13.37	13.46	60.21	56.15	15.74	15.24	104.32	86.37
10	CoN 12072	13.09	13.21	14.02	13.96	60.15	61.12	15.46	15.41	104.38	111.26
11	CoT 12366	12.44	13.23	13.80	14.09	56.11	58.64	14.48	15.56	108.60	117.23
12	CoT 12367	11.21	12.11	12.78	13.23	57.12	58.14	14.59	15.15	115.07	108.22
Std											
1	CoC 671	13.59	12.69	14.45	13.70	56.14	59.21	15.53	14.34	98.80	93.41
2	Co 94008	10.98	11.26	12.29	12.30	59.11	61.12	14.36	14.49	96.84	90.28
3	Co 85004	12.56	12.55	13.60	13.46	60.01	56.11	13.52	13.87	105.65	96.75
	SE	0.41		0.36		1.16		0.36		4.59	
	CD at 5 %	1.24		1.08		3.52		1.11		13.93	
	CV %	4.77		3.86		2.79		3.45		6.12	

Sr. No.	Clone	Stalk Length (m)		Stalk Diameter (cm)		Single cane weight (kg)		Brix % (8 m)		Sucrose % (8 m)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12001	212.00	274.88	2.48	2.54	1.03	1.05	15.53	13.84	12.60	11.77
2	Co 12003	216.00	248.00	2.54	2.48	0.97	0.98	15.17	16.51	12.04	12.70
3	Co 12006	231.00	234.00	2.54	2.61	1.08	1.04	16.48	14.99	12.83	12.08
4	Co 12007	224.00	251.00	2.57	2.64	1.10	1.07	17.66	17.22	13.87	13.52
5	Co 12008	275.00	261.00	2.70	2.73	1.08	1.15	18.79	18.39	15.00	14.97
6	CoM 12081	261.00	252.00	2.67	2.70	1.10	1.08	17.40	16.07	14.26	13.32
7	CoM 12082	309.00	282.00	2.70	2.86	1.35	1.25	16.36	15.52	12.77	12.10
8	CoM 12083	273.00	272.00	2.67	2.76	1.20	1.18	17.61	17.37	14.15	14.05
9	CoN 12071	306.00	276.00	2.70	2.83	1.15	1.18	17.08	16.40	14.68	14.30
10	CoN 12072	281.00	310.00	2.61	2.64	1.12	1.05	17.66	17.22	15.40	15.15
11	CoT 12366	288.00	268.00	2.70	2.67	1.25	1.06	16.69	17.38	13.66	14.10
12	CoT 12367	280.00	300.00	2.70	2.73	1.15	1.18	16.73	17.74	14.09	15.21
Std s											
1	CoC 671	275.00	272.00	2.73	2.76	1.25	1.16	17.69	17.29	14.90	14.75
2	Co 94008	248.00	282.00	2.67	2.61	1.10	1.03	16.65	16.33	13.41	13.27
3	Co 85004	238.00	240.00	2.61	2.64	1.05	1.03	17.67	17.91	14.54	14.78
	SE	13.15		0.03		0.03		0.43		0.29	
	CD at 5 %	39.89		0.09		0.10		1.32		0.87	
	CV %	7.03		1.63		4.11		3.65		2.95	

Sr. No.	Clone	Purity % (8 m)		CCS % (8 m)		No. of shoots ('000/ha) 240 days		No. of tillers ('000/ha) 120 days		Germination % (30 days)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12001	81.12	85.02	8.45	7.89	137.55	133.61	152.93	147.84	38.88	47.22
2	Co 12003	79.36	76.95	7.75	8.29	147.00	127.94	163.81	147.64	48.61	44.44
3	Co 12006	77.83	80.58	8.39	7.88	129.99	137.40	144.33	147.54	36.11	38.88
4	Co 12007	78.54	78.53	9.05	8.77	137.55	148.73	155.01	158.22	43.05	47.22
5	Co 12008	79.82	81.40	9.85	9.94	139.44	127.94	153.43	145.56	52.77	56.94
6	CoM 12081	81.97	82.84	9.61	8.80	131.88	139.29	145.42	162.47	54.16	58.33
7	CoM 12082	78.07	77.96	8.35	7.76	156.45	160.07	167.78	179.29	56.94	52.77
8	CoM 12083	80.34	80.91	9.31	9.30	154.56	146.84	166.65	157.86	55.55	51.38
9	CoN 12071	86.00	87.00	10.03	9.78	141.33	148.73	157.26	167.84	51.38	48.61
10	CoN 12072	87.00	88.00	10.58	10.43	169.05	153.14	169.56	181.07	56.94	54.16
11	CoT 12366	81.83	81.11	9.00	9.43	141.33	146.84	154.52	160.49	54.16	48.61
12	CoT 12367	84.18	85.74	9.33	10.55	141.32	156.29	158.68	181.26	55.55	58.33
Stds											
1	CoC 671	84.23	85.31	10.07	10.03	137.55	120.38	158.96	140.03	45.83	43.05
2	Co 94008	80.55	81.27	8.84	8.80	128.10	141.18	146.11	149.32	43.05	47.22
3	Co 85004	82.33	82.49	9.65	9.93	137.55	148.73	151.45	154.66	44.44	40.27
	SE	0.72		0.26		5.93		5.91		2.23	
	CD at 5 %	2.20		0.78		17.99		17.93		6.76	
	CV %	1.25		3.98		5.90		5.30		6.41	

2. Advance Varietal Trial (Early I Plant)

Sr. No.	Clone	CCS (t/ha)			Cane yield (t/ha)			Brix % (10 m)			Sucrose % (10m)		
		RI	RII	RII	RI	RII	RII	RI	RII	RII	RI	RII	RII
1	Co 10004	12.47	14.17	14.60	103.33	105.83	110.55	19.21	19.16	18.95	17.29	18.58	18.34
2	Co 10005	12.53	12.66	11.71	105.00	100.55	95.00	17.87	18.74	19.89	16.78	17.67	17.74
3	Co 10006	11.71	12.47	13.26	91.39	95.00	97.50	19.25	21.54	21.68	18.04	19.00	19.50
4	Co 10024	14.84	14.69	16.72	109.44	113.89	121.66	20.69	20.97	19.78	19.18	18.61	19.10
5	Co 10026	14.49	14.37	14.22	114.44	111.11	107.22	19.85	20.88	19.97	18.06	18.62	18.68
6	Co 10027	14.49	11.54	13.31	115.27	101.39	106.94	20.10	20.03	20.40	18.32	17.42	18.83
7	CoT 10366	16.08	15.29	15.97	121.39	116.94	125.00	20.00	20.50	19.53	19.07	19.01	18.36
8	CoT 10367	15.39	16.23	15.17	123.61	121.66	111.11	20.82	20.05	19.52	18.12	18.78	18.93
Std s													
1	CoC 671	13.95	15.48	13.58	111.11	113.33	100.27	20.69	20.36	19.07	18.19	19.18	18.70
2	Co 94008	12.98	14.27	14.53	100.27	111.66	116.94	18.32	20.46	19.53	17.89	18.34	17.73
3	Co 85004	17.41	14.50	11.63	135.55	111.11	100.27	19.43	20.78	21.79	18.12	18.99	17.56
	SE	0.74			4.43			0.44			0.31		
	CD at 5 %	2.18			13.01			1.29			0.90		
	CV %	9.08			6.98			3.77			2.87		

Sr. No.	Clone	Purity % (10m)			CCS % (10m)			Pol % cane (10m)			Extraction % (10m)		
		RI	RII	RIII	RI	RII	RIII	RI	RII	RIII	RI	RII	RIII
1	Co 10004	90.02	96.97	96.76	12.13	13.36	13.18	13.02	14.08	13.93	58.62	61.19	62.22
2	Co 10005	93.91	94.30	89.21	11.88	12.51	12.26	12.55	13.47	13.37	57.58	63.14	61.22
3	Co 10006	93.67	88.21	89.94	12.86	13.18	13.59	13.39	14.40	15.07	55.22	61.23	60.14
4	Co 10024	92.68	88.74	96.56	13.58	13.02	13.77	14.41	13.74	14.25	57.14	62.14	59.18
5	Co 10026	90.98	89.18	93.54	12.67	12.96	13.25	14.49	14.68	14.17	58.16	62.11	63.22
6	Co 10027	91.14	86.97	92.30	12.43	11.39	12.33	13.84	13.07	14.36	61.16	59.12	56.09
7	CoT 10366	94.20	92.73	94.01	13.22	13.10	12.82	14.22	14.59	13.72	61.21	58.11	59.18
8	CoT 10367	87.06	93.65	96.99	12.53	13.36	13.63	13.64	14.34	14.33	58.18	56.25	60.22
Stds													
1	CoC 671	87.91	94.22	98.08	12.64	13.67	13.56	13.54	14.32	14.04	56.64	61.13	63.21
2	Co 94008	97.70	89.65	90.81	12.88	12.77	12.44	12.59	11.95	12.90	59.20	58.12	57.48
3	Co 85004	93.22	91.38	80.60	12.75	12.97	11.64	12.15	14.54	13.13	56.24	58.21	59.20
	SE	2.35			0.29			0.33			1.21		
	CD at 5 %	NS			0.84			0.97			NS		
	CV %	4.47			3.87			4.15			3.53		

Sr. No.	Clone	Fibre % (10m)			NMC at 10m ('000/ha)			Stalk Length (m)			Stalk Diameter (cm)		
		RI	RII	RII	RI	RII	RII	RI	RII	RII	RI	RII	RII
1	Co 10004	14.55	14.80	14.58	107.05	110.87	113.79	240.31	274.88	285.68	2.42	2.45	2.40
2	Co 10005	15.74	14.74	15.78	111.59	105.31	100.40	228.09	280.96	265.33	2.57	2.61	2.54
3	Co 10006	14.97	13.94	12.95	94.09	102.21	105.38	229.41	229.40	211.73	2.40	2.33	2.38
4	Co 10024	14.81	15.49	15.15	114.96	117.77	124.23	294.33	247.53	242.06	2.51	2.54	2.57
5	Co 10026	13.65	15.01	13.37	117.45	113.69	115.60	238.06	229.91	240.72	2.54	2.61	2.64
6	Co 10027	14.92	14.50	14.47	117.38	103.52	110.22	246.81	273.24	259.63	2.57	2.64	2.61
7	CoT 10366	15.49	13.08	14.68	115.49	125.12	131.07	273.20	287.42	265.68	2.64	2.71	2.74
8	CoT 10367	14.40	13.60	14.50	129.92	125.91	111.65	268.87	285.13	253.22	2.71	2.77	2.74
Stds													
1	CoC 671	15.18	15.48	14.82	130.55	122.50	107.22	275.47	287.66	255.75	2.77	2.71	2.71
2	Co 94008	15.13	12.83	13.16	107.59	113.94	120.40	241.24	214.78	262.20	2.64	2.61	2.64
3	Co 85004	14.89	14.09	14.96	112.09	114.65	104.68	255.12	261.20	276.08	2.57	2.61	2.54
	SE	0.40			3.97			10.70			0.02		
	CD at 5 %	1.17			11.65			31.38			0.06		
	CV %	4.72			6.04			7.19			1.35		

Sr. No.	Clone	Single cane weight (kg)			Brix % (8 m)			Sucrose % (8 m)			Purity % (8 m)		
		RI	RII	RII	RI	RII	RII	RI	RII	RII	RI	RII	RII
1	Co 10004	1.12	1.05	1.01	16.48	14.29	15.16	14.24	13.06	13.14	83.88	92.53	88.08
2	Co 10005	0.95	0.99	1.01	15.34	17.92	17.49	13.50	14.80	14.13	88.10	81.76	81.54
3	Co 10006	1.07	1.03	1.13	16.39	17.58	18.28	14.83	14.87	15.35	90.58	83.45	85.01
4	Co 10024	1.19	1.07	0.98	18.47	18.44	18.10	16.04	15.52	15.12	86.05	83.48	85.00
5	Co 10026	1.21	1.15	1.14	17.68	17.74	16.71	15.48	15.19	14.31	86.44	84.96	87.46
6	Co 10027	1.25	1.06	1.08	16.97	16.34	16.61	14.76	14.85	14.10	84.98	92.01	85.75
7	CoT 10366	1.23	1.25	1.32	15.88	17.24	18.46	14.93	15.78	15.87	93.86	91.70	86.00
8	CoT 10367	1.12	1.19	1.23	17.85	17.82	17.83	15.84	15.81	15.27	87.46	88.85	86.80
Std													
1	CoC 671	1.12	1.18	1.26	16.24	17.78	17.00	15.82	15.90	15.09	97.41	89.43	88.76
2	Co 94008	1.10	1.03	1.14	15.71	18.11	16.38	14.66	15.60	13.84	93.98	84.95	85.05
3	Co 85004	1.10	1.05	1.11	17.28	17.34	17.78	15.27	15.36	14.82	87.35	89.05	83.92
	SE	0.04			0.49			0.30			1.83		
	CD at 5 %	0.10			1.44			0.87			NS		
	CV %	5.53			4.96			3.42			3.63		

Sr. No.	Clone	CCS % (8 m)			No. of shoots ('000/ha) 240 days			No. of tillers ('000/ha) 120 days			Germination % (30 days)		
		RI	RII	RII	RI	RII	RII	RI	RII	RII	RI	RII	RII
1	Co 10004	9.61	9.11	9.20	124.53	132.84	134.87	135.91	142.91	145.46	46.46	48.38	49.36
2	Co 10005	9.30	9.75	9.52	106.89	134.19	147.39	116.91	143.19	156.36	50.14	54.69	54.14
3	Co 10006	10.30	10.02	10.48	120.11	122.83	130.45	126.65	133.64	153.56	43.34	46.25	45.75
4	Co 10024	10.87	10.41	10.38	134.95	141.02	128.52	149.81	145.23	144.89	52.70	56.55	51.19
5	Co 10026	10.54	10.24	9.98	135.54	127.08	132.46	145.62	138.15	138.77	46.46	44.98	51.17
6	Co 10027	10.06	10.25	9.79	124.83	127.54	135.16	136.14	141.20	140.86	47.09	48.17	52.33
7	CoT 10366	10.61	10.97	10.98	149.97	135.92	146.89	154.06	146.59	154.93	58.51	61.79	57.85
8	CoT 10367	10.89	10.84	10.61	144.96	136.50	141.88	151.45	146.87	149.43	48.43	47.30	46.31
Std s													
1	CoC 671	11.43	11.06	10.46	120.52	123.24	123.03	127.54	134.53	127.44	40.36	42.92	44.87
2	Co 94008	10.30	10.48	9.65	115.11	123.42	125.44	122.56	134.37	136.93	45.49	46.57	49.99
3	Co 85004	10.48	10.50	10.18	125.35	125.83	127.86	131.95	133.15	135.71	48.22	45.61	46.83
	SE	0.16			4.23			4.48			1.38		
	CD at 5 %	0.48			12.40			13.15			4.05		
	CV %	2.74			5.61			5.55			4.87		

3. Advanced Varietal Trial (Early II Plant)

Sr. No.	Clone	CCS (t/ha)				Cane yield (t/ha)				Brix % (10 m)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	14.49	15.63	15.88	16.03	108.13	116.31	122.59	122.83	19.91	20.24	21.43	21.81
2	Co 09007	13.35	13.74	14.22	13.64	107.78	122.78	104.90	95.22	18.99	18.73	18.79	20.49
3	CoN 09072	15.57	15.35	17.70	18.66	127.80	118.02	123.68	143.13	19.55	19.42	19.39	19.50
Stds													
1	CoC 671	11.09	11.87	11.18	12.26	92.83	102.87	89.32	89.56	19.86	19.90	18.84	19.63
2	Co 94008	9.37	9.65	11.50	12.54	94.96	88.89	98.28	109.66	18.62	18.90	18.64	19.43
3	Co 85004	13.07	12.61	12.71	12.54	109.54	103.47	94.88	96.97	19.10	21.11	18.89	19.69
	SE	0.58				4.83				0.37			
	CD at 5 %	1.68				14.21				1.09			
	CV %	8.65				9.05				3.73			

Sr. No.	Clone	Sucrose % (10m)				Purity % (10m)				CCS % (10m)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	17.97	17.94	20.05	19.42	89.59	87.14	94.94	89.38	12.62	13.65	13.69	13.18
2	Co 09007	17.20	16.62	18.88	18.97	89.96	86.02	95.73	94.42	12.75	12.78	12.66	12.81
3	CoN 09072	17.44	18.15	19.55	19.19	96.57	95.39	96.19	93.78	13.07	13.93	12.81	13.11
Stds													
1	CoC 671	17.40	17.04	16.81	19.07	87.77	88.92	88.92	92.43	13.00	11.98	12.25	12.77
2	Co 94008	14.86	15.90	16.77	16.86	77.01	84.12	90.96	88.27	10.61	10.54	11.31	11.62
3	Co 85004	17.20	17.95	18.42	18.21	89.59	84.27	95.36	91.91	12.74	12.62	12.34	12.37
	SE	0.42				1.88				0.24			
	CD at 5 %	1.24				5.54				0.72			
	CV %	4.71				4.28				3.96			

Sr. No.	Clone	Pol % cane (10m)				Extraction % (10m)				Fibre % (10m)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	13.22	13.85	15.17	14.81	60.27	58.03	56.16	57.85	13.84	13.87	13.92	14.05
2	Co 09007	12.86	12.37	14.54	14.59	55.62	57.47	55.66	59.01	14.44	13.97	13.96	14.06
3	CoN 09072	13.56	13.47	15.47	14.80	59.66	63.67	60.18	60.62	13.15	13.22	13.26	13.24
Stds													
1	CoC 671	13.39	12.95	12.68	14.86	60.69	58.37	59.92	56.65	13.25	13.32	13.24	13.45
2	Co 94008	11.10	12.02	12.83	12.89	56.93	61.27	58.31	59.23	13.99	14.17	14.08	14.16
3	Co 85004	12.98	13.63	15.42	15.10	54.14	59.23	59.85	55.91	13.95	14.06	13.77	13.95
	SE	0.31				0.91				0.05			
	CD at 5 %	0.90				2.67				0.16			
	CV %	4.55				3.08				0.80			

Sr. No.	Clone	NMC at 10m ('000/ha)				Stalk Length (m)				Stalk Diameter (cm)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	110.41	114.48	121.17	117.89	169.30	190.37	200.96	205.45	2.71	2.57	2.71	2.54
2	Co 09007	111.38	120.68	105.86	99.09	219.49	170.44	159.68	182.47	2.42	2.48	2.51	2.54
3	CoN 09072	123.20	122.03	120.58	117.31	209.14	220.52	226.24	202.95	2.74	2.71	2.64	2.61
Stds													
1	CoC 671	92.57	98.38	80.65	83.19	178.09	190.01	176.21	154.78	2.67	2.64	2.71	2.74
2	Co 94008	101.86	81.51	95.76	101.21	158.78	161.55	162.99	153.77	2.51	2.54	2.61	2.64
3	Co 85004	110.73	102.01	97.07	101.93	178.09	190.01	176.21	154.78	2.58	2.48	2.45	2.48
	SE	3.96				7.82				0.03			
	CD at 5 %	11.64				23.00				0.09			
	CV %	7.65				8.50				2.23			

Sr. No.	Clone	Single cane weight (kg)				Brix % (8 m)				Sucrose % (8 m)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	1.03	1.07	1.17	1.12	19.00	18.00	18.40	20.00	16.00	15.76	16.76	16.94
2	Co 09007	1.11	1.18	1.01	1.04	17.00	18.80	17.50	18.10	15.46	17.17	16.42	15.77
3	CoN 09072	1.15	1.08	1.22	1.16	17.50	18.90	18.30	18.09	16.76	17.42	17.37	18.54
Stds													
1	CoC 671	1.14	1.21	1.22	1.17	18.00	18.00	18.50	17.90	16.00	16.66	15.59	16.42
2	Co 94008	0.89	1.00	0.96	1.00	18.10	17.50	18.00	17.00	16.00	16.09	14.97	15.37
3	Co 85004	1.09	0.99	0.88	0.91	16.90	19.40	19.00	18.60	16.00	16.13	16.04	16.53
	SE	0.03				0.34				0.31			
	CD at 5 %	0.10				1.00				0.90			
	CV %	6.36				3.80				3.77			

Sr. No.	Clone	Purity % (8 m)				CCS % (8 m)				No. of shoots ('000/ha) 240 days			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	84.21	87.56	91.07	84.72	10.81	10.86	11.75	11.48	148.46	158.03	159.90	146.54
2	Co 09007	90.94	91.33	93.83	87.12	10.84	12.05	11.67	10.84	151.46	146.81	153.08	152.33
3	CoN 09072	95.77	92.17	94.94	96.74	12.04	12.31	12.43	12.62	151.88	167.18	157.59	149.39
Stds													
1	CoC 671	88.89	92.56	84.30	91.75	11.10	11.77	10.55	11.56	148.52	142.03	146.20	136.85
2	Co 94008	88.40	91.94	83.17	90.42	11.05	11.32	10.05	10.74	139.33	124.81	151.34	161.49
3	Co 85004	94.67	83.14	84.41	88.90	11.41	10.83	10.85	11.46	152.28	151.53	146.73	143.48
	SE	2.05				0.28				3.84			
	CD at 5 %	NS				0.83				11.30			
	CV %	4.51				4.99				5.20			

Sr. No.	Clone	No. of tillers ('000/ha) 120 days				Germination % (30 days)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	157.59	158.75	177.95	165.25	51.22	55.43	58.19	54.03
2	Co 09007	166.73	159.10	157.91	161.01	47.41	52.34	55.59	52.24
3	CoN 09072	164.88	184.95	166.33	165.45	54.35	58.68	57.24	60.64
Stds									
1	CoC 671	159.06	158.44	158.73	148.39	40.00	42.00	41.00	40.00
2	Co 94008	147.65	146.44	157.96	152.35	54.88	53.16	50.60	50.96
3	Co 85004	150.38	155.08	163.05	176.95	40.00	41.00	40.00	45.00
	SE	4.09				1.19			
	CD at 5 %	12.03				3.51			
	CV %	5.06				4.75			

4. Advanced Varietal Trial (Early I Plant) Ratoon

Sr. No.	Clone	CCS (t/ha)				Cane yield (t/ha)				CCS % (9 m)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	13.69	13.68	12.72	14.73	106.93	106.09	114.29	111.75	12.43	12.72	11.82	13.10
2	Co 09007	11.13	11.98	11.46	11.49	98.50	112.09	101.21	94.48	11.09	11.49	11.18	11.66
3	CoN 09072	12.98	12.80	13.16	13.85	118.98	111.62	122.16	122.41	10.88	11.01	10.87	11.63
Stds													
1	CoC 671	9.44	9.44	8.63	10.63	82.91	88.12	78.64	86.34	11.17	11.53	11.04	11.83
2	Co 94008	9.35	9.31	9.19	10.62	81.27	82.29	84.92	91.69	11.10	11.34	10.92	11.86
3	Co 85004	10.69	10.61	10.03	10.68	97.45	90.56	84.34	82.26	11.61	12.02	11.57	12.29
	SE	0.30				3.80				0.10			
	CD at 5 %	0.89				11.18				0.31			
	CV %	5.32				7.77				1.79			

Sr. No.	Clone	Sucrose % (9 m)				Brix % (9 m)				Purity % (9 m)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	17.42	18.02	18.77	19.03	19.15	19.84	19.28	20.98	96.72	94.28	87.78	94.88
2	Co 09007	15.60	16.63	16.38	16.45	17.43	18.40	17.75	17.84	89.01	90.70	91.27	91.54
3	CoN 09072	15.65	16.34	16.03	16.49	17.23	19.71	17.27	17.28	93.02	91.03	89.99	91.02
Stds													
1	CoC 671	16.04	16.70	15.99	17.00	17.93	19.83	19.71	17.92	86.71	81.94	89.04	92.08
2	Co 94008	15.94	16.43	16.45	17.27	18.48	19.29	20.55	18.60	87.41	84.30	79.66	94.20
3	Co 85004	16.31	17.70	16.62	17.29	18.30	20.32	18.42	18.09	89.62	85.05	90.40	96.47
	SE	0.19				0.43				1.81			
	CD at 5 %	0.57				1.27				NS			
	CV %	2.25				4.58				4.03			

Sr. No.	Clone	Pol % cane (9 m)				Fibre % (9 m)				Extraction % (9 m)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	12.83	12.24	14.41	14.29	14.88	14.64	14.58	15.53	58.93	60.76	57.90	57.53
2	Co 09007	13.28	13.34	15.10	14.70	15.38	14.55	15.79	14.63	58.94	59.71	58.36	57.16
3	CoN 09072	13.06	13.83	15.25	14.83	14.00	13.30	12.90	13.10	56.30	62.88	61.08	60.34
Stds													
1	CoC 671	12.67	13.48	15.39	14.70	15.78	14.96	13.81	15.93	56.77	57.49	55.72	59.70
2	Co 94008	11.00	11.90	12.61	12.99	14.58	14.96	15.39	13.61	56.43	58.26	61.23	62.61
3	Co 85004	13.13	12.80	12.68	14.67	14.70	14.20	13.19	14.50	56.82	62.92	61.16	58.57
	SE	0.30				0.30				0.91			
	CD at 5 %	0.87				0.89				2.66			
	CV %	4.49				4.15				3.04			

Sr. No.	Clone	NMC at 9 m ('000/ha)				Stalk Length (m)				Stalk Diameter (cm)			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	111.77	115.33	120.13	109.71	201.00	170.00	169.00	180.00	2.57	2.61	2.54	2.64
2	Co 09007	107.77	113.93	102.12	98.97	172.00	185.00	172.00	185.00	2.42	2.45	2.40	2.40
3	CoN 09072	118.64	118.57	116.10	115.03	210.00	195.00	221.00	176.00	2.40	2.33	2.38	2.38
Stds													
1	CoC 671	104.01	95.11	100.96	99.36	172.00	176.00	165.00	160.00	2.51	2.54	2.57	2.64
2	Co 94008	102.84	82.00	91.48	95.08	161.00	172.00	155.00	168.00	2.54	2.61	2.64	2.60
3	Co 85004	87.49	91.57	78.21	84.40	170.00	185.00	180.00	192.00	2.57	2.64	2.61	2.61
	SE	3.16				5.85				0.02			
	CD at 5 %	9.30				17.21				0.06			
	CV %	6.34				6.53				1.63			

Sr. No.	Clone	Single cane weight (kg)				No. of tillers ('000/ha) 120 days				No. of tillers ('000/ha) 90 days			
		RI	RII	RIII	RIV	RI	RII	RIII	RIV	RI	RII	RIII	RIV
1	Co 09004	0.99	1.09	1.16	1.07	159.72	161.11	166.84	156.25	121.07	125.62	130.89	122.98
2	Co 09007	1.02	1.17	0.93	1.07	147.57	146.87	153.64	144.10	130.64	130.25	136.44	128.19
3	CoN 09072	1.13	1.04	1.18	1.14	171.87	156.25	171.70	167.88	129.80	139.59	138.07	131.71
Stds													
1	CoC 671	1.10	0.96	0.87	0.88	160.42	143.05	172.74	149.83	126.53	142.19	122.45	133.07
2	Co 94008	0.86	0.93	0.98	1.00	138.89	144.79	152.43	148.44	135.06	128.89	135.86	132.43
3	Co 85004	1.11	1.19	1.17	1.14	139.24	142.36	153.99	146.70	122.29	125.29	135.81	129.45
	SE	0.04				4.94				3.52			
	CD at 5 %	0.11				14.52				10.36			
	CV %	7.03				6.52				5.49			

5. Initial Varietal Trial (Midlate I Plant)

Sr. No.	Clone	CCS (t/ha)		Cane yield (t/ha)		Brix % (12 m)		Sucrose % (12m)		Purity % (12m)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12009	15.28	17.07	119.57	117.22	22.62	23.19	18.88	20.95	83.48	90.35
2	Co 12012	15.22	16.95	108.34	122.53	20.32	20.18	19.46	19.38	95.76	96.02
3	Co 12014	14.01	17.10	98.84	127.44	20.91	22.31	19.76	19.56	94.51	87.70
4	Co 12016	17.57	18.44	125.60	124.32	21.59	20.97	19.77	20.58	91.56	98.16
5	Co 12017	14.94	14.47	108.34	105.46	20.49	19.33	19.24	19.06	93.91	98.58
6	Co 12019	12.04	14.27	89.07	107.00	20.51	20.16	18.98	18.90	92.52	93.72
7	Co 12021	12.31	15.77	97.54	114.94	21.48	19.78	18.40	19.15	90.00	96.78
8	Co 12024	11.99	12.62	87.24	95.03	21.55	20.27	19.48	18.89	90.40	93.23
9	CoM 12084	16.58	15.61	121.23	116.21	20.02	20.58	19.00	19.13	94.92	92.94
10	CoM 12085	13.28	14.18	96.87	108.39	20.23	22.46	19.09	19.30	94.36	85.97
11	CoM 12086	13.63	16.23	101.18	115.91	19.52	20.42	18.67	19.61	94.01	95.00
12	CoN 12073	14.69	14.49	105.98	111.10	19.72	19.10	19.09	18.32	94.00	95.91
13	CoN 12074	14.82	16.18	109.82	119.74	22.03	20.41	19.40	19.13	88.07	93.73
14	CoT 12368	14.40	13.10	105.53	101.04	21.24	20.36	19.30	18.62	90.86	91.43
15	VSI 12121	15.20	15.81	121.23	116.21	21.42	21.26	18.30	19.47	85.42	91.58
Std s											
1	Co 86032	16.16	15.32	111.79	104.64	20.97	20.90	20.03	20.41	95.53	96.70
2	Co 99004	12.45	12.00	97.48	97.3	21.81	20.26	18.60	18.0	85.29	88.70
	SE	0.76		5.31		0.56		0.39		2.16	
	CD at 5 %	2.27		15.83		1.67		1.15		6.44	
	CV %	7.33		6.90		3.77		2.85		3.33	

Sr. No.	Clone	CCS % (12m)		Pol % cane (12m)		Extraction % (12m)		Fibre % (12m)		NMC at 12m ('000/ha)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12009	12.70	14.64	14.96	15.72	61.56	58.59	13.95	13.28	122.10	118.34
2	Co 12012	13.96	13.91	14.12	13.49	59.34	60.74	14.01	13.48	118.76	121.69
3	Co 12014	14.09	13.49	15.01	15.53	56.76	59.40	13.38	14.08	116.69	123.29
4	Co 12016	13.90	14.91	14.42	14.49	58.26	59.21	13.95	13.65	120.04	117.62
5	Co 12017	13.68	13.83	13.84	12.84	57.21	59.07	14.21	13.90	116.40	111.97
6	Co 12019	13.41	13.43	14.41	14.24	57.92	57.14	13.99	13.95	102.94	112.89
7	Co 12021	12.54	13.79	14.30	14.64	56.15	58.36	14.11	14.26	110.71	119.99
8	Co 12024	13.62	13.39	14.03	12.80	58.20	59.11	13.15	13.08	102.24	103.83
9	CoM 12084	13.58	13.54	13.22	13.60	60.56	62.31	13.94	14.31	125.64	116.20
10	CoM 12085	13.60	13.18	14.19	14.69	58.30	60.11	13.93	13.08	113.51	118.11
11	CoM 12086	13.38	14.08	13.82	14.03	57.58	58.07	13.14	13.08	115.25	116.84
12	CoN 12073	13.75	13.15	13.64	13.97	58.64	59.16	13.75	14.26	111.95	108.52
13	CoN 12074	13.40	13.59	14.28	14.44	59.13	58.31	13.5673	13.09	117.55	107.10
14	CoT 12368	13.53	13.08	14.91	14.19	56.70	58.06	13.95	13.46	106.12	101.35
15	VSI 12121	12.45	13.70	13.82	13.31	58.25	59.12	13.17	13.37	121.25	115.48
Stds											
1	Co 86032	14.35	14.76	14.26	13.23	59.12	58.25	13.12	13.54	123.45	114.67
2	Co 99004	12.65	12.45	13.39	13.30	58.47	57.7	14.15	13.53	111.31	102.2
	SE	0.36		0.30		0.72		0.22		3.42	
	CD at 5 %	1.09		0.89		2.16		0.67		10.21	
	CV %	3.82		3.00		1.75		2.31		4.25	

Sr. No.	Clone	Stalk Length (m)		Stalk Diameter (cm)		Single cane weight (kg)		Brix % (10 m)		Sucrose % (10 m)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12009	258.73	279.86	2.41	2.45	1.05	1.08	18.56	20.97	16.20	16.22
2	Co 12012	246.07	284.95	2.48	2.54	1.10	1.02	18.87	18.16	17.02	17.31
3	Co 12014	268.96	239.36	2.51	2.57	1.15	1.08	18.01	18.77	16.05	17.16
4	Co 12016	250.25	259.96	2.45	2.41	1.02	1.06	18.59	18.81	17.61	16.47
5	Co 12017	279.04	251.98	2.38	2.45	1.25	1.08	19.03	18.71	17.59	16.64
6	Co 12019	261.31	262.14	2.51	2.41	1.10	1.09	18.07	18.33	16.69	16.22
7	Co 12021	250.83	278.30	2.64	2.58	1.10	1.10	18.30	18.73	16.42	16.74
8	Co 12024	228.15	248.01	2.61	2.64	0.98	0.91	18.21	18.95	15.89	15.64
9	CoM 12084	295.01	309.79	2.55	2.58	1.25	1.17	18.64	18.29	16.80	16.53
10	CoM 12085	270.46	270.02	2.51	2.48	1.10	1.15	19.68	19.10	16.78	16.28
11	CoM 12086	228.15	248.01	2.52	2.61	1.05	1.08	19.20	19.95	16.46	16.69
12	CoN 12073	251.75	290.63	2.51	2.57	1.10	1.15	18.50	19.15	17.48	17.15
13	CoN 12074	281.85	266.20	2.51	2.64	1.12	1.14	19.77	19.63	17.31	17.26
14	CoT 12368	233.20	250.52	2.54	2.57	1.08	1.05	18.18	18.75	16.86	16.34
15	VSI 12121	258.75	272.27	2.64	2.71	1.10	1.15	19.75	19.91	17.22	17.23
Std s											
1	Co 86032	263.49	273.20	2.67	2.67	1.05	0.98	19.50	19.90	17.72	16.34
2	Co 99004	284.61	295.6	2.61	2.6	1.06	1.0	20.94	20.7	18.26	17.8
	SE	9.70		0.03		0.03		0.35		0.32	
	CD at 5 %	28.95		0.09		0.09		1.06		0.95	
	CV %	5.20		1.65		3.82		2.62		2.68	

Sr. No.	Clone	Purity % (10 m)		CCS % (10 m)		No. of shoots ('000/ha) 240 days		No. of tillers ('000/ha) 120 days		Germination % (30 days)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 12009	88.12	77.57	11.02	10.46	133.61	122.40	143.59	152.85	38.64	39.85
2	Co 12012	88.50	96.51	11.90	12.46	128.51	152.15	132.01	164.43	49.21	44.88
3	Co 12014	87.26	93.69	11.13	12.07	130.33	115.64	155.88	174.41	38.83	39.65
4	Co 12016	95.93	86.04	12.52	11.44	135.32	128.81	147.45	148.99	45.12	45.94
5	Co 12017	92.96	87.91	12.38	11.64	127.09	126.21	139.75	141.30	33.52	35.53
6	Co 12019	93.03	88.51	11.72	11.27	143.33	142.45	128.20	137.47	41.89	45.84
7	Co 12021	89.04	90.41	11.40	11.68	116.41	125.22	143.59	152.85	37.57	36.99
8	Co 12024	88.37	83.30	10.81	10.44	150.74	140.47	126.26	147.11	38.04	40.45
9	CoM 12084	89.93	90.87	11.68	11.60	135.21	134.33	160.94	148.33	49.63	52.43
10	CoM 12085	85.42	85.58	11.32	11.09	136.50	134.12	137.80	156.08	41.58	43.19
11	CoM 12086	85.31	84.54	11.15	11.25	131.67	127.04	135.13	142.85	47.09	47.11
12	CoN 12073	94.31	88.99	12.45	12.04	134.28	125.51	159.03	137.41	47.10	45.53
13	CoN 12074	86.63	88.17	11.91	11.97	126.70	123.68	139.75	141.30	44.64	44.06
14	CoT 12368	93.43	86.91	11.85	11.29	149.85	138.64	141.00	160.56	46.05	47.58
15	VSI 12121	86.29	86.83	11.80	11.86	151.62	142.29	164.78	154.74	38.06	37.28
Stds											
1	Co 86032	92.44	80.28	12.34	10.98	132.84	135.20	164.78	154.74	46.51	46.12
2	Co 99004	86.15	85.43	12.55	12.30	127.77	113.2	119.75	124.4	38.34	39.4
	SE	2.86		0.32		4.93		6.85		0.93	
	CD at 5 %	NS		0.95		14.72		20.45		2.77	
	CV %	4.59		3.87		5.26		6.60		3.06	

6. Advance Varietal Trial (Midlate I Plant)

Sr. No.	Clone	CCS (t/ha)		Cane yield (t/ha)		Brix % (12 m)		Sucrose % (12m)		Purity % (12m)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 09009	13.00	15.15	102.13	122.49	22.07	20.28	18.34	18.21	83.85	89.12
2	Co 10015	14.70	15.25	132.02	126.48	21.61	19.65	16.84	17.37	79.14	87.25
3	Co 10017	13.52	13.39	112.19	107.24	20.36	19.28	17.68	17.81	87.45	91.87
4	Co 10031	12.20	13.47	100.89	114.55	19.21	18.90	17.27	17.29	89.98	91.47
5	Co 10033	15.35	13.30	122.81	110.58	19.20	19.56	17.94	17.00	92.49	87.91
6	Co 10083	14.87	13.57	119.61	124.54	19.07	20.23	17.75	16.24	91.33	82.06
7	CoT 10368	12.92	13.18	108.07	115.34	19.10	18.91	17.23	16.78	89.94	89.11
8	CoT 10369	15.73	15.37	115.46	119.52	20.62	20.97	19.02	18.32	91.54	88.14
9	CoVC 10061	13.08	13.79	106.90	112.13	20.65	19.53	17.81	17.83	86.79	90.84
10	PI 10131	14.17	13.79	112.34	103.90	22.81	20.85	18.88	18.91	83.68	89.88
11	PI 10132	12.66	11.39	100.38	91.93	20.12	20.27	18.61	18.07	91.96	89.73
Stds											
1	Co 86032	14.42	14.51	117.43	112.77	21.22	21.24	18.90	18.60	89.06	87.57
2	Co 99004	16.34	14.63	124.60	115.57	20.64	19.55	17.81	17.86	86.28	91.35
	SE	0.60		4.94		0.50		0.28		2.69	
	CD at 5 %	1.86		15.23		1.54		0.86		NS	
	CV %	6.11		6.16		3.50		2.22		4.30	

Sr. No.	Clone	CCS % (12m)		Pol % cane (12m)		Extraction % (12m)		Fibre % (12m)		NMC at 12m ('000/ha)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 09009	12.39	12.66	14.03	13.89	57.26	58.88	13.35	13.91	106.84	114.94
2	Co 10015	10.91	11.76	12.89	13.23	65.18	58.23	13.41	13.85	124.10	123.32
3	Co 10017	12.19	12.52	13.52	13.64	61.52	58.21	13.42	13.55	114.52	106.68
4	Co 10031	12.03	12.09	13.18	13.20	55.33	60.01	13.52	13.82	107.33	112.69
5	Co 10033	12.61	11.74	13.59	13.00	59.35	63.92	13.91	13.90	115.23	96.24
6	Co 10083	12.29	10.77	13.55	12.52	61.59	57.83	13.18	13.45	114.66	119.80
7	CoT 10368	11.93	11.58	13.14	12.82	57.26	58.94	13.45	13.85	107.65	113.25
8	CoT 10369	13.45	12.78	14.47	13.96	58.02	59.52	13.65	14.10	108.59	110.54
9	CoVC 10061	12.23	12.47	13.63	13.73	56.88	58.49	13.38	13.11	102.35	107.94
10	PI 10131	12.81	13.25	14.38	14.38	61.67	57.65	13.71	14.11	119.34	134.27
11	PI 10132	13.18	12.67	14.09	13.84	60.45	57.89	14.08	13.62	105.86	95.30
Stds											
1	Co 86032	12.68	13.20	13.61	13.67	59.62	58.07	13.42	13.56	114.29	116.93
2	Co 99004	12.00	12.60	14.21	13.72	59.20	58.16	14.50	14.10	117.19	115.50
	SE	0.34		0.19		1.76		0.17		4.44	
	CD at 5 %	1.05		0.57		NS		0.52		13.69	
	CV %	3.89		1.94		4.20		1.75		5.58	

Sr. No.	Clone	Stalk Length (m)		Stalk Diameter (cm)		Single cane weight (kg)		Brix % (10 m)		Sucrose % (10 m)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 09009	280.51	243.73	2.51	2.43	1.09	1.03	18.61	19.83	15.81	16.42
2	Co 10015	281.82	318.54	2.59	2.51	1.26	1.15	19.11	20.06	15.95	15.96
3	Co 10017	278.57	268.37	2.40	2.49	1.05	1.02	19.02	18.88	15.74	16.15
4	Co 10031	257.51	261.38	2.54	2.55	1.15	1.08	18.27	18.96	16.41	15.77
5	Co 10033	224.93	272.59	2.66	2.65	1.02	1.15	18.19	18.10	16.06	16.36
6	Co 10083	281.68	274.30	2.65	2.64	1.10	1.06	18.57	19.07	15.27	16.39
7	CoT 10368	267.62	282.48	2.75	2.74	1.18	1.13	18.25	18.95	15.79	16.12
8	CoT 10369	259.15	277.10	2.61	2.57	1.08	1.15	18.71	18.89	17.55	16.32
9	CoVC 10061	303.23	321.18	2.71	2.39	1.11	1.22	18.95	19.06	15.64	15.25
10	PI 10131	260.36	225.14	2.63	2.55	0.95	0.88	18.15	18.50	15.79	15.24
11	PI 10132	258.16	271.42	2.58	2.60	1.03	1.09	18.49	17.76	15.74	15.50
Stds											
1	Co 86032	243.49	249.13	2.66	2.68	1.15	1.11	18.82	19.00	16.95	17.66
2	Co 99004	272.62	289.01	2.66	2.68	1.06	1.16	18.36	18.22	15.76	15.96
	SE	12.23		0.05		0.04		0.26		0.32	
	CD at 5 %	37.67		0.15		0.13		0.81		0.99	
	CV %	6.40		2.64		5.32		1.98		2.83	

Sr. No.	Clone	Purity % (10 m)		CCS % (10 m)		No. of shoots (‘000/ha) 240 days		No. of tillers (‘000/ha) 120 days		Germination % (30 days)	
		RI	RII	RI	RII	RI	RII	RI	RII	RI	RII
1	Co 09009	84.98	82.81	10.73	11.00	107.51	146.61	145.84	160.34	42.35	45.36
2	Co 10015	83.45	79.55	10.72	10.46	158.24	151.00	165.05	183.25	51.38	58.24
3	Co 10017	82.75	85.56	10.54	11.00	143.88	139.81	141.52	165.19	51.34	48.26
4	Co 10031	89.87	83.13	11.44	10.58	153.14	146.48	165.26	163.40	54.21	55.14
5	Co 10033	88.32	90.41	11.11	11.44	140.59	137.09	152.14	143.58	48.68	51.34
6	Co 10083	82.20	85.96	10.19	11.19	153.18	148.24	150.50	175.70	54.21	58.32
7	CoT 10368	86.51	85.07	10.81	10.95	152.72	139.99	165.74	155.89	53.46	58.11
8	CoT 10369	89.79	86.40	12.47	11.18	142.87	147.73	139.24	162.33	48.21	49.34
9	CoVC 10061	82.51	80.04	10.45	10.03	136.15	121.99	148.08	144.54	51.16	46.21
10	PI 10131	87.02	82.38	10.84	10.18	119.65	111.81	167.45	170.86	53.11	59.14
11	PI 10132	85.14	87.26	10.69	10.66	133.24	123.40	137.03	130.70	47.12	51.12
Stds											
1	Co 86032	85.10	87.94	11.84	12.50	135.34	139.63	139.39	157.93	49.11	52.73
2	Co 99004	85.85	87.64	10.75	11.00	142.02	135.35	165.30	165.10	52.72	56.11
	SE	1.72		0.32		6.80		6.68		1.67	
	CD at 5 %	NS		1.00		20.96		20.57		5.15	
	CV %	2.85		4.17		6.93		6.04		4.57	