

Annual Report, 2013-14

All India Coordinated Research Project on Sugarcane

Sugarcane Research Station, Muzaffarnagar

1. Initial Varietal Trial (Early):

Five varieties viz. Co 10035, CoH10261, CoS 10231 including two standards CoJ 64 and CoPant 84211 were evaluated in R.B.D. with four replications. The net plot size was 5m x 4m x 0.75m.

The variety CoS 10231(10.53, 85.83) was significantly superior in CCS t/ha and cane yield t/ha over the best standard CoJ 64 (8.49, 68.33), Variety Co 10035(16.78) recorded higher sucrose % over the best standard CoJ 64(16.63) at 240 days .

2. Advanced Varietal Trial (Early) Ist Plant :

Seven varieties namely CoH09262, CoH 09263, CoLk 09202, CoPb 09181 and CoS 09246 including two standards CoJ 64 and CoPant 84211 were tested in RBD with three replications. The net plot size was 5m x 6m x 0.75m.

Two varieties CoS 09246 and CPb 08181 in CCS t/ha and four varieties CoS 09246, CoPb 09181, CoLk 09202 and CoH09263 in cane yield t/ha, were found significantly superior, over the best standard CoPant84211 (8.99, 70.22) . None of the varieties were found better for sucrose % at 300 days over the standard CoJ 64 (18.54).

3. Advanced Varietal Trial (Early) IInd Plant :

Five varieties viz. CoPb 08211, CoPb 08212 and CoS 08233 including two standards CoJ 64 and CoPant 84211 were studied in R.B.D. with four replications. The net plot size was 5m x 6m x 0.75m.

The variety CoS 08233(11.66, 88.55) was significantly superior in CCS t/ha and cane yield t/ha over the best standard CoJ 64 (9.40,73.56), Varieties CoS08233 (18.99) and CoPb (18.68) recorded higher sucrose % over the best standard CoPant 84211(18.54) at 300 days .

4. Advanced Varietal Trial (Early) Ratoon:

The ratooning ability of five varieties viz. CoPb 08211, CoPb 08212 and CoS 08233 including two standards CoJ 64 and CoPant 84211 were studied in R.B.D. with four replications. The net plot size was 5m x 6r x 0.75m.

The variety CoS 08233(8.67, 74.78) was significantly superior in CCS t/ha and cane yield t/ha over the best standard CoJ 64 (7.60, 64.22), At 270 days variety Co Pb 08211 (17.64) and CoPb (17.56) recorded higher sucrose % over the best standard CoJ 64(17.20).

5. **Initial Varietal Trial (Mid late):**

Thirteen varieties including three standards namely Co10036, 10037, 10039, CoH 10262, CoH 10263, CoPant 10221, CoPb10181, 10182, 10183 and CoPb 10211 standards CoS 767, CoS 8436 and CoPant 97222 were evaluated in RBD with three replications. The net plot size was 5m x 4r x 0.90m.

Three varieties CoPant 10221(11.80, 97.22), CoPb 10181 (11.24, 90.37) and CoPb 10182(10.52, 85.74) were significantly superior in CCS t/ha and cane yield t/ha over the best standard CoPant 97222(9.15, 72.22). In sucrose % juice at 360 days, varieties CoH 10263 (18.71) and CoPb 10211(18.50) observed higher sucrose % over the the standard CoPant 97222 (18.37).

6. **Advanced Varietal Trial (Mid late) Ist Plant :**

This experiment was conducted with eight varieties viz. Co 09022, CoH 09264, CoLk 09204, CoPb 09214, CoS 09232 including three standards CoS 767, CoS 8436 and CoPant 97222 in RBD with three replications .The net plot size was 5m x 6r x 0.90m.

Four varieties CoS 09232, CoPb 09214, CoH 09264 and Colk 09204 recorded significantly higher cane yield t/ha to the best standard CoPant 97222 (79.01), while in CCS t/ha CoS 09232 (13.01) , was significantly superior over the best standard CoPant 97222(10.12). Varieties CoS 09232 (18.92) and Co 09022(18.76) recorded higher suc % as compared to the best standard CoS 8436 (18.75) at 360 days

7. **Advanced Varietal Trial (Mid late) IInd Plant :** Nine varieties namely CoH 08262, CoH 08263, CoH 08264, CoPb 08217, CoS 08234, CoS 08235 standards CoS 767, CoS 8436 and Co Pant 97222 were tested in RBD with three replications. The net plot size was 5m x 6r x 0.90m.

Three varieties Viz. CoPb 08217, CoS 08234 and CoH 08264 recorded significantly higher CCS t/ha and cane yield t/ha over the best standard CoPant 97222 (9.50, 73.70), At 360 days, two varieties CoS 08234(18.87) and CoH 08264(18.81) recorded higher sucrose % than the best standard CoS 8436(18.69).

8. **Advanced Varietal Trial (Mid- late) Ratoon :** The ratooning ability of nine varieties viz., CoH 08262, CoH 08263, CoH 08264, CoPb 08217, CoS 08234, CoS 08235 standards CoS 767, CoS 8436 and Co Pant 97222 were tested in RBD with three replications. The net plot size was 5m x 6r x 0.90m.

Two varieties CoS 08234 and CoPb 08217 recorded significantly higher cane yield t/ha over the best standard CoS 767(67.28), while in CCS t/ha CoS 08234, CoPb 08217 and CoH 08264 were numerically better over the best check CoPant 97222(8.46). None of the variety was better in sucrose % than the best standard CoPant 97222(18.49).

Annual Report, 2013-14
Crop Improvement

All India Coordinated Research Project (Sugarcane)

(NORTH WEST ZONE)

Sugarcane Research Centre, Muzaffarnagar (U P)

WEATHER REPORT, 2013-14

Sugarcane Research Centre, Muzaffarnagar (U P)

Month	Temperature Mean C°		Humidity %		Total Rainfall (m.m.)	No. of rainy days
	Mini.	Maxi.	Fore noon	After noon		
April ,2013	17.5	34.3	53	30	1.7	01
May	21.8	38.7	54	27	-	-
June	23.4	33.7	79	65	233.5	08
July	24.3	32.6	88	77	143.1	11
August	23.4	32.3	88	74	451.5	17
Sept	22.0	33.1	81	65	43.3	09
Oct.	18.0	30.6	83	59	63.0	03
Nov.	8.2	25.9	80	47	3.8	01
Dec.	5.5	21.6	85	55	7.0	03
Jan,2014	5.3	17.9	96	65	47.6	02
Feb.	6.8	20.7	88	62	97.8	06
March	11.5	27.7	79	51	25.6	07
Total					1117.9	68

1. Initial Varietal Trial (Early), 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)
(1)

S. No.	Clone	CCS t/ha	Cane Yield t/ha	Brix% 10m	Suc% 10m	Purity 10m	CCS % 10m	Pol % cane 10m	Ext. % 10m	Fibre % 10m	NMC 10m (000)
1	Co10235	8.68	70.83	20.04	17.56	87.63	12.27	12.77	49.25	13.72	130.33
2	CoH 10261	9.47	78.00	20.09	17.62	87.78	12.14	12.62	50.61	13.27	110.33
3	CoS 10231	10.53	85.83	20.12	17.74	88.20	12.25	13.03	51.89	13.45	115.33
Stds											
1	CoJ 64	8.49	68.33	20.39	17.99	88.21	12.43	13.10	52.46	13.38	122.50
2	CoPant 84211	8.34	66.32	20.37	17.91	87.95	12.36	12.88	51.32	13.68	113.33
	CD	1.30	10.38	0.26	0.23	NS	NS	-	-	-	12.93
	CV	9.28	9.13	0.82	0.85	0.527	1.93	-	-	-	7.09

1. Initial Varietal Trial (Early), 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)
(2)

S. No.	Clone	Stalk Length (m)	Stalk Dm (cm)	S C Wt (Kg)	Brix % (8m)	Suc% (8M)	Purity % 8m	CCS % 8m	Tiller 120days (000)	Germ % 45days
1	Co10235	2.15	1.82	0.670	19.54	16.78	85.83	11.44	233.83	38.75
2	CoH 10261	1.61	2.40	0.810	18.39	15.54	84.48	10.51	198.00	34.37
3	CoS 10231	2.32	2.40	0.780	19.02	16.30	85.68	11.10	241.67	52.29
Stds										
1	CoJ 64	1.79	2.10	0.610	19.24	16.63	86.46	11.37	208.67	49.48
2	CoPant 84211	1.95	2.10	0.760	19.14	16.51	86.26	11.29	185.83	46.56
	CD	0.307	0.38	.058	0.47	0.55	0.84	0.43	16.17	6.82
	CV	10.17	11.30	5.166	1.60	2.17	0.64	2.49	4.91	10.04

2. ADVANCED VARIETAL TRIAL (Early) Ist Plant , 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)

(1)

S. No.	Clone	CCS t/ha	Cane Yield t/ha	Brix% 10m	Suc% 10m	Purity 10m	CCS % 10m	Pol % cane 10m	Ext. % 10m	Fibre % 10m	NMC 10m (000)
1	CoH 09262	9.95	78.37	20.82	18.37	88.22	12.69	13.22	50.43	13.47	106.37
2	CoH 09263	10.00	82.22	20.39	17.72	86.92	12.16	12.52	49.35	13.38	113.33
3	Colk 09202	10.48	87.41	20.05	17.48	87.15	12.00	12.79	50.59	13.44	138.52
4	CoPb 09181	11.02	90.37	20.35	17.74	87.17	12.19	13.35	51.35	13.26	110.37
5	CoS 09246	11.39	91.41	20.72	18.09	87.32	12.44	12.53	51.08	13.32	130.96
Stds											
1	CoJ 64	8.82	68.44	21.09	18.54	87.92	12.89	13.50	50.57	13.35	114.07
2	CoPant 84211	8.99	70.22	21.05	18.54	88.08	12.80	13.24	50.62	13.22	112.30
	CD	1.54	11.49	0.51	0.54	NS	0.43	-	-	-	14.56
	CV	8.57	7.96	1.38	1.67	0.80	1.94	-	-	-	6.94

2. ADVANCED VARIETAL TRIAL (Early) Ist Plant, 2013-14

(2)

S. No.	Clone	Stalk Length (m)	Stalk Dm (cm)	S C Wt (Kg)	Brix % (8m)	Suc% (8M)	Purity % 8m	CCS % 8m	Tiller 120d (000)	Germ % 45days
1	CoH 09262	2.56	2.32	0.840	19.12	16.12	84.32	10.89	159.55	40.83
2	CoH 09263	1.92	2.13	0.770	19.02	16.12	84.76	10.95	219.41	39.89
3	Colk 09202	2.29	2.22	0.700	19.65	16.51	84.03	11.14	225.18	41.85
4	CoPb 09181	2.33	2.32	0.910	19.42	16.60	85.48	11.29	195.11	34.81
5	CoS 09246	1.99	2.35	0.820	19.49	16.59	85.10	11.26	209.93	49.07
Stds										
1	CoJ 64	2.05	2.13	0.770	19.79	16.96	85.70	11.55	178.07	38.42
2	CoPant 84211	2.13	2.23	0.810	19.72	16.91	85.75	11.52	213.93	34.07
	CD	0.25	NS	0.05	0.51	0.31	NS	0.25	38.69	NS
	CV	6.58	7.12	3.67	1.46	1.06	0.94	1.26	-11.12	12.33

**3. ADVANCED VARIETAL TRIAL (Early) IInd Plant, 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)**

(1)

S. No.	Clone	CCS t/ha	Cane Yield t/ha	Brix% 10m	Suc% 10m	Purity 10m	CCS % 10m	Pol % cane 10m	Ext. % 10m	Fibre % 10m	NMC 10m (000)
1	CoPb 08211	9.24	73.33	20.89	18.30	87.59	12.60	13.40	55.96	13.17	113.22
2	CoPb 08212	10.10	77.33	21.27	18.68	88.69	13.07	13.29	47.89	13.88	117.33
3	CoS 08233	11.66	88.55	21.42	18.99	88.66	13.16	13.90	50.00	13.94	127.44
Stds											
1	CoJ 64	9.40	73.56	20.87	18.46	88.45	12.77	13.70	53.93	13.88	132.11
2	CoPant 84211	9.05	70.89	20.97	18.54	88.43	12.83	13.14	49.30	13.90	136.33
	CD	0.97	6.33	NS	NS	NS	0.37	-	-	-	9.83
	CV	6.38	5.36	1.38	1.72	0.65	1.89	-	-	-	5.09

3. ADVANCED VARIETAL TRIAL (Early) IInd Plant, 2013-14

(2)

S. No.	Clone	Stalk Length (m)	Stalk Dm (cm)	S C Wt (Kg)	Brix % (8m)	Suc% (8M)	Purity % 8m	CCS % 8m	Tiller 120d (000)	Germ % 45d
1	CoPb 08211	1.76	2.34	0.805	19.49	17.03	87.38	11.71	165.44	33.47
2	CoPb 08212	2.19	2.25	0.710	19.14	16.29	85.12	11.06	174.44	36.18
3	CoS 08233	2.10	2.18	0.750	19.26	16.53	85.82	11.27	193.67	34.03
Stds										
1	CoJ 64	2.12	2.28	0.715	19.21	16.67	86.78	11.43	198.22	42.29
2	CoPant 84211	2.18	2.17	0.725	19.34	16.83	86.88	11.53	201.89	44.03
	CD	0.12	0.10	0.04	NS	NS	0.89	0.35	10.11	2.63
	CV	3.90	2.92	3.56	2.18	2.01	0.67	1.99	3.51	4.50

4. ADVANCED VARIETAL TRIAL (Early) Ratoon, 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)

(1)

S. No	Clone	CCS t/ha	Cane yield t/ha	Brix % 9m	Suc % 9m	Purity % 9m	CCS % 9m	Pol % cane 9m	Ext. % 9m	Fibre % 9m
1	CoPb 08211	7.73	63.44	19.98	17.64	88.30	12.19	12.52	52.46	12.99
2	CoPb 08212	8.09	67.44	19.83	17.56	88.58	12.16	11.66	44.12	13.35
3	CoS 08233	8.67	74.78	19.38	16.88	87.08	11.59	11.81	50.72	13.42
Stds										
1	CoJ 64	7.60	64.22	19.68	17.20	87.39	11.83	12.38	52.63	13.37
2	CoPant 84211	7.31	62.22	19.58	17.10	87.32	11.75	12.27	41.27	13.40
	CD	0.72	6.053	NS	0.49	NS	0.42	-	-	-
	CV	5.92	5.92	1.51	1.87	1.33	2.32	-	-	-

4. ADVANCED VARIETAL TRIAL (Early) Ratoon, 2013-14

(2)

S. No	Clone	NMC 9m (000)	Stalk Length (m)	Stalk Dm (cm)	S C Wt (Kg)	No. of tillers 90 days
1	CoPb 08211	108.22	1.22	2.33	0.605	161.78
2	CoPb 08212	106.89	1.79	2.12	0.670	155.33
3	CoS 08233	128.55	1.93	2.03	0.760	194.22
Stds						
1	CoJ 64	105.44	1.87	2.20	0.710	153.33
2	CoPant 84211	131.11	1.67	2.12	0.720	197.22
	CD	12.83	0.20	Nil	0.04	6.37
	CV	7.17	7.74	6.48	4.29	2.40

5. INITIAL VARIETAL TRIAL (Mid- late), 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)

(1)

S. No.	Clone	CCS t/ha	Cane Yield t/ha	Brix % 12m	Suc % 12m	Purity % 12m	CCS % 12m	Pol % cane 12m	Ext. % 12m	Fibre % 12m	NMC 12m (000/ha)
1	Co 10036	9.80	82.77	20.14	17.37	86.25	11.87	12.64	48.00	13.48	114.44
2	Co 10037	8.50	67.04	20.77	18.23	87.76	12.66	13.74	44.64	13.37	98.52
3	Co 10039	9.49	77.40	20.27	17.80	87.81	12.27	13.06	53.12	13.90	121.85
4	CoH 10262	9.11	87.41	20.41	17.89	87.66	12.32	13.12	51.26	13.55	108.15
5	CoH 10263	9.36	73.15	20.81	18.71	88.33	12.80	13.80	52.38	13.62	102.22
6	CoPant 10221	11.80	97.22	20.17	17.64	87.44	12.14	12.79	38.96	14.11	132.22
7	CoPb 10181	11.24	90.37	20.37	17.99	88.30	12.44	13.34	48.57	13.67	111.48
8	CoPb 10182	10.52	85.74	20.01	17.40	86.98	11.94	13.30	50.55	14.17	117.41
9	CoPb 10183	9.49	79.26	19.71	17.35	88.03	11.97	12.80	44.93	14.80	101.67
10	CoPb 10211	8.47	66.30	21.07	18.50	87.81	12.76	14.05	47.86	14.22	114.44
	Stds										
1	CoS767	8.62	70.37	20.01	17.71	88.51	12.25	13.28	54.76	13.76	117.96
2	CoS8436	8.49	68.52	20.47	17.95	87.68	12.37	13.24	55.55	13.68	104.07
3	CoPant 97222	9.15	72.22	20.84	18.37	88.13	12.68	13.92	50.00	13.92	112.04
	CD	1.22	9.74	0.75	0.75	NS	0.61	-	-	-	13.03
	CV	7.59	7.38	2.19	2.49	0.99	2.91		-	-	6.85

5. INITIAL VARIETAL TRIAL (Mid- late), 2013-14

(2)

S. No	Clone	Stalk Length (m)	Stalk Diameter (cm)	S C Wt (Kg)	Brix % 10m	Suc. % 10m	Purity % 10m	CCS % 10m	Tillers (000) 120 days	Germination % 45days
1	Co 10036	2.55	2.40	0.850	18.83	16.75	85.27	10.93	189.26	50.00
2	Co 10037	2.16	2.60	0.710	18.75	15.53	84.35	10.50	150.37	33.33
3	Co 10039	2.25	2.12	0.660	19.35	16.75	86.59	11.47	202.04	44.86
4	CoH 10262	2.37	2.52	0.870	18.58	15.96	85.92	10.89	196.67	42.64
5	CoH 10263	2.30	2.52	0.750	18.75	16.02	85.42	10.89	172.59	34.17
6	CoPant 10221	2.27	1.76	0.770	18.91	16.32	86.26	11.16	231.30	52.08
7	CoPb 10181	1.85	2.34	0.850	18.51	15.90	85.89	10.84	160.93	36.25
8	CoPb 10182	2.38	2.18	0.740	18.18	15.21	83.68	10.23	187.59	39.86
9	CoPb 10183	2.27	2.00	0.810	18.05	15.38	85.21	10.44	172.78	39.03
10	CoPb 10211	2.65	2.04	0.650	18.21	15.56	85.46	10.55	231.67	53.05
	Stds									
1	CoS767	2.17	2.16	0.720	18.55	16.14	87.00	10.73	189.44	47.22
2	CoS8436	1.63	2.20	0.740	18.59	16.12	86.68	11.04	158.14	38.75
3	CoPant 97222	2.20	2.06	0.780	18.63	15.99	85.84	10.90	166.48	48.33
	CD	0.18	0.19	0.11	0.54	0.47	1.23	0.44	6.16	5.21
	CV	4.79	5.18	8.41	1.72	1.76	0.85	2.39	1.97	7.18

**6. ADVANCED VARIETAL TRIAL (Mid- late) Ist Plant, 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)**

(1)

S. No.	Clone	CCS t/ha	Cane Yield t/ha	Brix% 12m	Suc% 12m	Purity % 12m	CCS % 12m	Pol % cane 12m	Ext. % 12m	Fibre % 12m	NMC 12m (000/ha)
1	Co 09022	11.39	88.27	21.40	18.76	87.64	12.92	14.58	52.87	13.55	114.57
2	CoH 09264	11.15	94.69	20.37	17.36	85.24	11.80	13.22	58.97	14.15	101.73
3	CoLk 09204	11.24	89.38	20.63	18.21	88.27	12.59	13.98	48.15	14.64	103.58
4	CoPb 09214	10.36	96.05	20.13	17.55	87.15	12.05	13.95	46.99	13.76	112.84
5	CoS 09232	13.01	99.38	21.43	18.92	88.29	13.08	14.73	56.38	13.44	111.97
	Stds										
1	CoS767	9.63	76.30	20.87	18.35	87.93	12.65	13.44	55.40	13.80	113.58
2	CoS8436	9.01	69.75	21.33	18.75	87.88	12.93	14.55	55.56	13.57	100.12
3	CoPant 97222	10.12	79.01	21.17	18.63	88.03	12.86	14.68	55.22	13.78	127.04
	CD	1.30	9.52	0.81	0.83	1.05	0.62	-	-	-	11.77
	CV	6.82	6.28	2.21	2.60	0.69	2.82	-	-	-	6.04

6. ADVANCED VARIETAL TRIAL (Mid- late) Ist Plant, 2013-14

(2)

S. No	Clone	Stalk Length (m)	Stalk Diameter (cm)	S C Wt (Kg)	Brix % 10m	Suc. % 10m	Purity % 10m	CCS % 10m	Tillers (000) 120 days	Germination % 45days
1	Co 09022	2.18	2.20	0.870	19.92	17.38	87.25	11.95	180.99	44.53
2	CoH 09264	2.70	2.20	0.980	18.58	15.49	83.33	10.87	152.84	46.48
3	CoLk 09204	2.19	2.00	0.910	19.52	17.60	86.76	12.29	160.74	37.59
4	CoPb 09214	2.43	2.00	0.860	18.89	15.74	85.10	10.91	173.33	40.83
5	CoS 09232	1.95	2.30	0.940	20.05	17.48	87.18	12.01	168.76	50.28
	Stds									
1	CoS767	1.96	2.10	0.750	19.52	16.87	84.42	11.54	173.21	38.15
2	CoS8436	1.62	2.50	0.800	19.65	17.14	87.19	11.77	150.73	40.18
3	CoPant 97222	2.14	1.90	0.710	19.82	17.27	87.15	11.87	196.42	35.55
	CD	0.22	0.22	0.04	0.53	0.93	1.79	NS	15.34	7.44
	CV	5.94	5.83	2.76	1.55	3.15	1.19	4.72	5.15	10.18

7. ADVANCED VARIETAL TRIAL (Mid- late) IInd Plant, 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)

(1)

S. No.	Clone	CCS t/ha	Cane Yield t/ha	Brix% 12m	Suc% 12m	Purity % 12m	CCS % 12m	Pol % cane 12m	Ext. % 12m	Fibre % 12m	NMC 12m (000/ha)
1	CoH 08262	10.23	82.35	20.75	18.08	87.14	12.42	13.72	51.14	13.92	115.68
2	CoH 08263	9.33	76.42	20.41	17.78	87.07	12.20	13.84	51.22	13.88	98.02
3	CoH 08264	11.32	87.16	21.35	18.81	88.12	12.99	14.24	60.00	13.98	113.20
4	CoPb 08217	12.07	98.15	20.51	17.90	87.28	12.30	13.97	48.28	14.10	118.76
5	CoS 08234	12.41	95.30	21.45	18.87	88.00	13.02	14.62	48.89	13.52	120.12
6	CoS 08235	10.05	80.49	20.75	18.15	87.48	12.49	14.11	53.85	13.48	107.90
	Stds										
1	CoS767	9.08	71.60	20.35	18.23	88.16	12.69	13.94	50.00	13.98	128.64
2	CoS8436	8.99	69.75	21.25	18.69	87.97	12.90	14.30	51.19	13.70	103.20
3	CoPant 97222	9.50	73.70	21.08	18.63	88.39	12.89	14.22	49.27	14.16	111.60
	CD	1.15	8.64	0.57	0.59	0.50	0.46	-	-	-	9.71
	CV	6.44	6.11	1.59	1.85	0.33	2.11	-	-	-	4.96

**7. ADVANCED VARIETAL TRIAL (Mid- late) IInd Plant, 2013-14
(2)**

S. No	Clone	Stalk Length (m)	Stalk Diameter (cm)	S C Wt (Kg)	Brix % 10m	Suc. % 10m	Purity % 10m	CCS % 10m	Tillers (000) 120 days	Germination % 45days
1	CoH 08262	1.93	2.50	0.880	19.15	16.44	85.83	11.21	174.07	34.91
2	CoH 08263	1.95	2.70	0.860	18.69	16.08	86.06	10.98	171.72	36.76
3	CoH 08264	1.61	2.40	0.870	19.92	17.32	86.95	11.89	170.62	35.92
4	CoPb 08217	2.72	2.20	0.970	18.74	15.83	84.44	10.71	206.67	51.20
5	CoS 08234	2.19	2.30	0.950	19.35	16.73	86.46	11.46	174.44	46.94
6	CoS 08235	2.45	2.30	0.910	19.05	16.40	86.05	11.19	160.99	35.18
	Stds									
1	CoS767	2.20	2.10	0.710	19.29	16.73	85.07	11.47	205.92	37.31
2	CoS8436	1.68	2.30	0.760	19.52	16.89	86.54	11.56	165.80	34.17
3	CoPant 97222	2.35	2.10	0.810	19.65	16.99	86.43	11.62	166.17	35.55
	CD	0.37	NS	0.06	0.56	0.60	NS	0.47	2.94	4.31
	CV	10.02	13.02	3.91	1.67	2.07	1.43	2.40	2.26	6.44

8. ADVANCED VARIETAL TRIAL (Mid- late) Ratoon, 2013-14
Sugarcane Research Centre, Muzaffarnagar (U P)

(1)

S. No	Clone	CCS t/ha	Cane Yield t/ha	Brix % 11m	Suc % 11m	Purity % 11m	CCS % 11m	Pol % cane 11m	Ext. % 11m	Fibre % 11m
1	CoH 08262	7.63	66.30	19.54	16.86	86.26	11.52	9.23	49.14	13.96
2	CoH 08263	6.73	60.37	18.92	16.32	86.21	11.15	10.83	49.21	13.82
3	CoH 08264	8.76	69.75	21.10	18.32	86.82	12.56	12.42	49.18	13.90
4	CoPb 08217	9.13	78.52	19.20	16.87	87.84	11.63	10.34	50.00	13.72
5	CoS 08234	9.54	79.88	20.10	17.42	86.68	11.94	10.22	50.77	13.92
6	CoS 08235	8.19	68.15	20.07	17.49	87.13	12.02	11.73	52.58	13.84
	Stds									
1	CoS767	8.15	67.28	20.00	17.56	87.79	12.11	12.19	50.70	13.58
2	CoS 8436	7.61	63.58	20.27	17.51	86.33	11.97	11.59	50.00	13.77
3	CoPant 97222	8.46	66.30	21.00	18.49	88.02	12.76	11.98	48.53	13.97
	CD	1.17	7.07	NS	NS	NS	NS	-	-	-
	CV	8.20	5.93	4.33	4.84	1.35	5.21	-	-	-

8. ADVANCED VARIETAL TRIAL (Mid- late) Ratoon, 2013-14
(2)

S. No	Clone	NMC 11m (000/ha)	Stalk Length (m)	Stalk Dm (cm)	S C Wt (Kg)	No of tillers 90 days (000/ha)
1	CoH 08262	105.18	1.90	2.38	0.700	161.73
2	CoH 08263	103.33	1.26	2.58	0.630	159.01
3	CoH 08264	97.53	1.35	2.38	0.730	156.54
4	CoPb 08217	129.26	2.35	2.28	0.760	257.65
5	CoS 08234	123.70	1.85	2.14	0.720	212.71
6	CoS 08235	98.39	2.31	2.30	0.710	165.68
	Stds					
1	CoS767	115.92	2.06	2.02	0.670	196.54
2	CoS 8436	99.26	1.36	2.40	0.650	156.91
3	CoPant 97222	106.05	2.06	1.98	0.680	169.01
	CD	9.64	0.21	0.21	0.03	6.61
	CV	5.12	6.49	5.42	2.27	2.10

