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Letter no. CA/GPB/_____

Dated:

1. Project Coordinator, sugarcane
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2. Dr. N.Vijayan Nair
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Subject: Supply of Raw & analyzed data of coordinated Breeding Trials Conducted at Pantnagar during 2011-12

Sir,

Kindly referred to you letter No. 1-11/2012-CI (Br.) dated April 30, 2012 regarding submission of data of AICRP Sugarcane breeding Trials conducted at Pantnagar during 2011-2012

Hereby, I am sending you replication wise raw data and also statistically analyzed along with meteorological data of the following coordinated trials by E mail and hard copy by Regd. Post.

- | | |
|--------------------------|-------------------------------|
| 1. I.V.T. (Early) | 4. A.V.T.-I (Mid-late) plant |
| 2. A.V.T. I(Early) plant | 5. A.V.T.-II (Mid-late) plant |
| 3. I.V.T. (Mid-late) | 6. A.V.T. (Mid-late) Ratoon |

Thanking you,
With regard

Yours Faithfully

(S.P.Singh)

CC: 1. Director Experiment Stations, GBPUA&T, Pantnagar

Replication –wise Data table
Coordinated trials 2011-2012

Sugarcane data 2011-12 Breeding Trials

Name of Trial : IVT (Early)

Date of Planting : 24-3-2011 Plot Size : 4rowX5mX75cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | Germinates/Plot | | | Number of Tillers/Plot | | |
|--------|--------------|-----------------|-------|-------|------------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 25.00 | 26.67 | 28.75 | 187 | 178 | 204 |
| 2 | CoPb08212 | 33.75 | 29.58 | 30.00 | 299 | 279 | 282 |
| 3 | CoPb08213 | 28.33 | 29.58 | 30.42 | 189 | 200 | 211 |
| 4 | Co Pant08221 | 33.33 | 30.83 | 38.33 | 178 | 164 | 171 |
| 5 | CoPant08222 | 30.00 | 30.42 | 34.58 | 187 | 199 | 201 |
| 6 | CoS08231 | 28.33 | 31.67 | 29.58 | 184 | 182 | 172 |
| 7 | CoS08232 | 33.33 | 40.00 | 31.25 | 242 | 234 | 254 |
| 8 | CoS08233 | 22.92 | 25.00 | 23.50 | 160 | 150 | 208 |
| 9 | Co J-64 | 31.25 | 35.00 | 33.33 | 207 | 223 | 227 |
| 10 | Co P 84211 | 31.67 | 30.83 | 39.17 | 195 | 189 | 221 |

| S. No. | Entries | NMC/Plot | | | Brix(%) 240 days | | |
|--------|--------------|----------|-----|-----|------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 99 | 98 | 95 | 21.0 | 21.2 | 22.3 |
| 2 | CoPb08212 | 143 | 136 | 148 | 18.5 | 21.7 | 19.5 |
| 3 | CoPb08213 | 112 | 114 | 129 | 22.2 | 21.0 | 21.0 |
| 4 | Co Pant08221 | 120 | 102 | 107 | 19.5 | 17.2 | 16.8 |
| 5 | CoPant08222 | 140 | 149 | 136 | 17.8 | 20.2 | 18.8 |
| 6 | CoS08231 | 139 | 136 | 135 | 20.5 | 17.8 | 20.2 |
| 7 | CoS08232 | 174 | 168 | 182 | 17.7 | 18.7 | 18.2 |
| 8 | CoS08233 | 115 | 105 | 166 | 21.2 | 21.7 | 21.2 |
| 9 | Co J-64 | 143 | 149 | 163 | 18.2 | 20.2 | 19.5 |
| 10 | Co P 84211 | 148 | 146 | 157 | 21.2 | 19.8 | 21.2 |

Name of Trial : IVT (Early)

Date of Planting : 24-3-2011 Plot Size : 4rowX5mX75cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | Sucrose(%) 240 days | | | Juice Purity(%)240days | | |
|--------|--------------|---------------------|-------|-------|------------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 17.73 | 18.21 | 19.04 | 84.43 | 85.90 | 85.38 |
| 2 | CoPb08212 | 15.73 | 18.65 | 16.39 | 85.02 | 85.95 | 84.05 |
| 3 | CoPb08213 | 18.84 | 17.96 | 17.73 | 84.87 | 85.52 | 84.43 |
| 4 | Co Pant08221 | 16.63 | 14.36 | 14.12 | 85.28 | 83.49 | 84.05 |
| 5 | CoPant08222 | 15.28 | 17.08 | 15.94 | 85.84 | 84.56 | 84.79 |
| 6 | CoS08231 | 17.28 | 15.28 | 17.08 | 84.29 | 85.84 | 84.56 |
| 7 | CoS08232 | 15.07 | 15.97 | 15.52 | 85.14 | 85.40 | 85.28 |
| 8 | CoS08233 | 18.21 | 18.65 | 18.21 | 85.90 | 85.95 | 85.90 |
| 9 | Co J-64 | 15.52 | 16.84 | 16.15 | 85.27 | 83.37 | 82.82 |
| 10 | Co P 84211 | 17.96 | 16.6 | 17.96 | 84.72 | 83.84 | 84.72 |

| S. No. | Entries | C C S % 240days | | | Cane Weight (kg.) | | |
|--------|--------------|-----------------|-------|-------|-------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 11.99 | 12.42 | 12.95 | 1.34 | 1.20 | 1.24 |
| 2 | CoPb08212 | 10.67 | 12.72 | 11.06 | 0.90 | 1.10 | 0.56 |
| 3 | CoPb08213 | 12.77 | 12.22 | 11.99 | 1.00 | 1.10 | 1.10 |
| 4 | Co Pant08221 | 11.30 | 9.65 | 9.53 | 0.76 | 0.88 | 1.02 |
| 5 | CoPant08222 | 10.42 | 11.56 | 10.80 | 0.74 | 0.80 | 0.86 |
| 6 | CoS08231 | 11.67 | 10.42 | 11.56 | 1.18 | 1.16 | 1.16 |
| 7 | CoS08232 | 10.23 | 10.86 | 10.55 | 0.96 | 1.04 | 1.04 |
| 8 | CoS08233 | 12.42 | 12.72 | 12.42 | 1.12 | 1.10 | 1.36 |
| 9 | Co J-64 | 10.55 | 11.31 | 10.81 | 1.14 | 0.96 | 1.06 |
| 10 | Co P 84211 | 12.17 | 11.18 | 12.17 | 0.82 | 0.88 | 0.96 |

Name of Trial : IVT (Early)

Date of Planting : 24-3-2011 Plot Size : 4rowX5mX75cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | Cane Length (cm.) | | | Cane Diameter(cm.) | | |
|--------|--------------|-------------------|-----|-----|--------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 192 | 134 | 199 | 2.9 | 2.5 | 2.5 |
| 2 | CoPb08212 | 219 | 233 | 169 | 2.0 | 2.2 | 2.2 |
| 3 | CoPb08213 | 186 | 195 | 201 | 2.5 | 2.5 | 2.4 |
| 4 | Co Pant08221 | 161 | 148 | 166 | 2.3 | 2.7 | 2.6 |
| 5 | CoPant08222 | 163 | 180 | 193 | 2.3 | 2.4 | 2.3 |
| 6 | CoS08231 | 180 | 203 | 194 | 2.7 | 2.5 | 2.4 |
| 7 | CoS08232 | 174 | 219 | 199 | 2.5 | 2.2 | 2.3 |
| 8 | CoS08233 | 216 | 220 | 247 | 2.3 | 2.2 | 2.4 |
| 9 | Co J-64 | 195 | 202 | 176 | 2.6 | 2.0 | 2.6 |
| 10 | Co P 84211 | 204 | 217 | 206 | 2.1 | 2.0 | 2.2 |

| S. No. | Entries | Sucrose % 300days | | | Brix% 300days | | |
|--------|--------------|-------------------|-------|-------|---------------|------|------|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 19.08 | 18.65 | 19.52 | 22.2 | 21.3 | 22.5 |
| 2 | CoPb08212 | 18.00 | 19.08 | 17.32 | 20.5 | 21.8 | 19.8 |
| 3 | CoPb08213 | 19.76 | 18.65 | 18.65 | 22.7 | 21.3 | 21.3 |
| 4 | Co Pant08221 | 17.08 | 15.91 | 16.42 | 19.8 | 18.5 | 18.8 |
| 5 | CoPant08222 | 16.42 | 18.24 | 17.32 | 18.8 | 20.5 | 20.2 |
| 6 | CoS08231 | 18.00 | 16.42 | 19.08 | 20.7 | 18.8 | 21.8 |
| 7 | CoS08232 | 15.97 | 16.87 | 16.66 | 18.5 | 19.3 | 19.2 |
| 8 | CoS08233 | 19.08 | 18.84 | 18.65 | 22.0 | 21.8 | 21.3 |
| 9 | Co J-64 | 16.21 | 17.52 | 17.19 | 18.7 | 20.3 | 19.7 |
| 10 | Co P 84211 | 18.41 | 17.08 | 18.41 | 21.3 | 20.0 | 21.3 |

Name of Trial : IVT (Early)

Date of Planting : 24-3-2011 Plot Size : 4rowX5mX75cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | C C S % 300days | | | Cane Yield (Kg./Plot) | | |
|---------------|----------------|------------------------|-----------|------------|------------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 13.02 | 12.84 | 13.38 | 123 | 121 | 117 |
| 2 | CoPb08212 | 12.41 | 13.13 | 11.92 | 111 | 119 | 115 |
| 3 | CoPb08213 | 13.57 | 12.84 | 12.84 | 115 | 122 | 125 |
| 4 | Co Pant08221 | 11.67 | 10.92 | 11.29 | 097 | 105 | 110 |
| 5 | CoPant08222 | 11.29 | 12.66 | 11.80 | 114 | 119 | 118 |
| 6 | CoS08231 | 12.35 | 11.29 | 13.13 | 109 | 117 | 112 |
| 7 | CoS08232 | 10.92 | 11.61 | 11.42 | 139 | 142 | 137 |
| 8 | CoS08233 | 13.08 | 12.89 | 12.84 | 105 | 111 | 108 |
| 9 | Co J-64 | 11.11 | 11.98 | 11.73 | 113 | 115 | 120 |
| 10 | Co P 84211 | 12.60 | 11.62 | 12.60 | 104 | 110 | 112 |

| S. No. | Entries | C C S Yield (Kg./Plot) | | | Purity % 300days | | |
|---------------|----------------|-------------------------------|-----------|------------|-------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | CoPb08211 | 16.02 | 15.54 | 15.66 | 85.95 | 87.56 | 86.76 |
| 2 | CoPb08212 | 13.78 | 15.63 | 13.71 | 87.81 | 87.52 | 87.48 |
| 3 | CoPb08213 | 15.61 | 15.67 | 16.05 | 87.05 | 87.56 | 87.56 |
| 4 | Co Pant08221 | 11.32 | 11.47 | 12.42 | 86.26 | 86.32 | 87.34 |
| 5 | CoPant08222 | 12.87 | 15.07 | 13.92 | 87.34 | 88.98 | 85.74 |
| 6 | CoS08231 | 13.46 | 13.21 | 14.71 | 86.96 | 87.34 | 87.52 |
| 7 | CoS08232 | 15.18 | 16.49 | 15.65 | 86.32 | 87.41 | 86.77 |
| 8 | CoS08233 | 13.73 | 14.31 | 14.10 | 86.73 | 86.42 | 87.56 |
| 9 | Co J-64 | 12.55 | 13.78 | 14.08 | 86.69 | 86.31 | 86.85 |
| 10 | Co P 84211 | 13.10 | 12.78 | 14.11 | 86.43 | 85.40 | 86.43 |

Name of Trial : AVT-I (Early) Plant

Date of Planting : 24-3-2011 Plot Size : 8rowX6mX75cm.

Number of Entries : 07 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Germinants/Plot | | | Tillers/Plot | | |
|--------|--------------|-----------------|-------|-------|--------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 31.39 | 33.89 | 30.83 | 258 | 234 | 228 |
| 3 | Co07025 | 29.72 | 30.00 | 36.67 | 333 | 327 | 293 |
| 4 | CoH 07261 | 29.72 | 37.50 | 35.56 | 221 | 210 | 237 |
| 5 | CoLk07201 | 31.95 | 33.33 | 29.72 | 240 | 221 | 231 |
| 6 | CoJ 64 | 26.95 | 29.17 | 32.78 | 271 | 276 | 254 |
| 7 | CoPant 84211 | 29.45 | 33.33 | 33.89 | 242 | 260 | 235 |

| S. No. | Entries | NMC/Plot | | | Brix (%) 240 days | | |
|--------|--------------|----------|-----|-----|-------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 196 | 190 | 182 | 20.2 | 20.8 | 21.0 |
| 3 | Co07025 | 242 | 260 | 252 | 19.2 | 19.8 | 18.8 |
| 4 | CoH 07261 | 172 | 182 | 170 | 19.2 | 20.5 | 19.7 |
| 5 | CoLk07201 | 175 | 177 | 178 | 18.0 | 18.7 | 18.8 |
| 6 | CoJ 64 | 218 | 223 | 214 | 19.2 | 21.0 | 20.8 |
| 7 | CoPant 84211 | 183 | 198 | 176 | 21.3 | 22.2 | 22.2 |

| S. No. | Entries | Sucrose (%) 240 days | | | Purity(%) 240 days | | |
|--------|--------------|----------------------|-------|-------|--------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 17.56 | 17.25 | 17.73 | 86.93 | 82.93 | 84.43 |
| 3 | Co07025 | 16.42 | 16.60 | 15.69 | 85.52 | 83.84 | 83.46 |
| 4 | CoH 07261 | 16.42 | 17.52 | 16.63 | 85.52 | 85.46 | 84.42 |
| 5 | CoLk07201 | 15.28 | 15.73 | 15.94 | 84.89 | 84.12 | 84.79 |
| 6 | CoJ 64 | 16.18 | 17.25 | 17.49 | 84.27 | 82.14 | 84.09 |
| 7 | CoPant 84211 | 17.69 | 18.37 | 18.61 | 83.05 | 82.75 | 83.83 |

Name of Trial : AVT-I (Early) Plant

Date of Planting : 24-3-2011 Plot Size : 8rowX6mX75cm.

Number of Entries : 07 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | CCS(%) 240 days | | | Cane weight(Kg) | | |
|--------|--------------|-----------------|-------|-------|-----------------|------|------|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 12.05 | 11.56 | 11.99 | 1.44 | 1.30 | 1.26 |
| 3 | Co07025 | 11.18 | 11.18 | 10.55 | 1.52 | 1.48 | 1.42 |
| 4 | CoH 07261 | 11.18 | 11.92 | 11.24 | 1.82 | 1.88 | 1.86 |
| 5 | CoLk07201 | 10.36 | 10.62 | 10.80 | 1.12 | 1.04 | 1.14 |
| 6 | CoJ 64 | 10.93 | 11.50 | 11.80 | 1.06 | 0.90 | 1.02 |
| 7 | CoPant 84211 | 11.86 | 12.29 | 12.54 | 1.02 | 1.00 | 1.00 |

| S. No. | Entries | Cane Diameter (cm) | | | Cane Length (cm) | | |
|--------|--------------|--------------------|-----|-----|------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 2.6 | 2.4 | 2.3 | 236 | 227 | 234 |
| 3 | Co07025 | 2.7 | 2.5 | 2.2 | 226 | 226 | 240 |
| 4 | CoH 07261 | 2.3 | 2.7 | 2.8 | 249 | 279 | 250 |
| 5 | CoLk07201 | 2.4 | 2.3 | 2.4 | 206 | 215 | 207 |
| 6 | CoJ 64 | 2.4 | 2.2 | 2.3 | 207 | 206 | 209 |
| 7 | CoPant 84211 | 2.4 | 2.0 | 2.0 | 231 | 222 | 228 |

| S. No. | Entries | Brix % 300days | | | Purity % 300days | | |
|--------|--------------|----------------|------|------|------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 20.5 | 21.7 | 21.5 | 87.81 | 86.77 | 85.63 |
| 3 | Co07025 | 20.7 | 22.0 | 20.0 | 86.96 | 87.82 | 87.8 |
| 4 | CoH 07261 | 21.7 | 21.5 | 21.2 | 86.77 | 86.74 | 86.98 |
| 5 | CoLk07201 | 20.8 | 19.5 | 20.3 | 87.55 | 87.74 | 87.49 |
| 6 | CoJ 64 | 21.0 | 22.0 | 21.5 | 87.81 | 87.82 | 86.74 |
| 7 | CoPant 84211 | 22.5 | 22.7 | 22.5 | 85.69 | 88.11 | 87.82 |

Name of Trial : AVT-I (Early) Plant

Date of Planting : 24-3-2011 Plot Size : 8rowX6mX75cm.

Number of Entries : 07 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Sucrose % 300days | | | CCS % 300days | | |
|--------|--------------|-------------------|-------|-------|---------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 18.00 | 18.83 | 18.41 | 12.41 | 12.91 | 12.54 |
| 3 | Co07025 | 18.00 | 19.32 | 17.56 | 12.35 | 13.32 | 12.11 |
| 4 | CoH 07261 | 18.83 | 18.65 | 18.44 | 12.91 | 12.78 | 12.66 |
| 5 | CoLk07201 | 18.21 | 17.11 | 17.76 | 12.54 | 11.79 | 12.22 |
| 6 | CoJ 64 | 18.44 | 19.32 | 18.65 | 12.71 | 13.32 | 12.78 |
| 7 | CoPant 84211 | 19.28 | 20.00 | 19.76 | 13.13 | 13.81 | 13.63 |

| S. No. | Entries | CCS Yield(Kg./Plot) | | | Cane Yield (Kg./Plot) | | |
|--------|--------------|---------------------|-------|-------|-----------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 06032 | - | - | - | - | - | - |
| 2 | Co 07023 | 22.09 | 22.08 | 22.45 | 178 | 171 | 179 |
| 3 | Co07025 | 22.72 | 25.18 | 22.28 | 184 | 189 | 184 |
| 4 | CoH 07261 | 23.37 | 23.29 | 23.04 | 181 | 183 | 182 |
| 5 | CoLk07201 | 22.20 | 19.93 | 22.12 | 177 | 169 | 181 |
| 6 | CoJ 64 | 22.24 | 21.98 | 22.62 | 175 | 165 | 177 |
| 7 | CoPant 84211 | 21.14 | 23.20 | 21.40 | 161 | 168 | 157 |

Name of Trial : IVT (Mid-late)

Date of Planting : 25-3-2011 Plot Size : 4rowX5mX90cm.

Number of Entries : 14 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | Germinants/Plot | | | Tillers/Plot | | |
|--------|---------------|-----------------|-------|-------|--------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | CoH 08261 | 24.58 | 22.92 | 24.58 | 153 | 142 | 145 |
| 2 | CoH 08262 | 31.25 | 32.92 | 33.33 | 170 | 165 | 164 |
| 3 | CoH 08263 | 28.33 | 28.75 | 31.67 | 189 | 187 | 180 |
| 4 | CoH 08264 | 35.00 | 34.17 | 41.25 | 218 | 207 | 209 |
| 5 | CoLk 08201 | 31.25 | 29.17 | 30.83 | 165 | 158 | 151 |
| 6 | Co Pb 08214 | 27.50 | 28.75 | 30.42 | 183 | 176 | 181 |
| 7 | CoPb08215 | 27.50 | 28.33 | 29.58 | 151 | 143 | 139 |
| 8 | CoPb 08216 | - | - | - | - | - | - |
| 9 | CoPb 08217 | 37.08 | 37.50 | 34.58 | 227 | 224 | 223 |
| 10 | CoS 08234 | 30.83 | 30.42 | 32.50 | 167 | 160 | 159 |
| 11 | CoS 08235 | 27.50 | 26.67 | 25.92 | 145 | 134 | 139 |
| 12 | CoS-767 | 30.42 | 28.75 | 29.58 | 238 | 229 | 228 |
| 13 | CoS-8436 | 31.25 | 30.83 | 33.33 | 192 | 195 | 191 |
| 14 | Co Pant 97222 | 32.08 | 29.58 | 31.25 | 189 | 191 | 186 |

| S. No. | Entries | NMC/Plot | | | Brix(%) 300 days | | |
|--------|---------------|----------|-----|-----|------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | CoH08261 | 92 | 83 | 91 | 19.4 | 18.5 | 17.3 |
| 2 | CoH08262 | 105 | 113 | 109 | 16.0 | 16.0 | 15.7 |
| 3 | CoH08263 | 171 | 167 | 162 | 18.3 | 18.2 | 18.3 |
| 4 | CoH08264 | 185 | 192 | 190 | 18.5 | 19.8 | 18.7 |
| 5 | CoLk08201 | 117 | 114 | 110 | 17.5 | 18.2 | 17.5 |
| 6 | Co Pb08214 | 158 | 153 | 154 | 17.7 | 19.0 | 19.2 |
| 7 | CoPb08215 | 123 | 120 | 125 | 20.0 | 19.0 | 18.8 |
| 8 | CoPb08216 | - | - | - | - | - | - |
| 9 | CoPb88217 | 177 | 182 | 169 | 17.7 | 17.2 | 18.2 |
| 10 | CoS08234 | 127 | 129 | 123 | 18.0 | 17.8 | 19.2 |
| 11 | CoS08235 | 102 | 98 | 95 | 16.8 | 17.0 | 17.2 |
| 12 | CoS-767 | 182 | 176 | 172 | 16.8 | 18.3 | 17.0 |
| 13 | CoS-8436 | 160 | 146 | 162 | 18.3 | 19.3 | 18.5 |
| 14 | Co Pant 97222 | 180 | 165 | 168 | 19.5 | 17.8 | 18.5 |

Name of Trial : IVT (Mid-late)

Date of Planting : 25-3-2011 Plot Size : 4rowX5mX90cm.

Number of Entries : 14 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | Sucrose(%) 300 days | | | Purity(%) 300 days | | |
|---------------|----------------|----------------------------|-----------|------------|---------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | CoH08261 | 16.15 | 15.49 | 14.58 | 83.25 | 83.69 | 84.28 |
| 2 | CoH08262 | 13.69 | 13.45 | 13.25 | 85.56 | 84.06 | 84.40 |
| 3 | CoH08263 | 15.73 | 15.52 | 15.25 | 85.96 | 85.28 | 83.33 |
| 4 | CoH08264 | 15.73 | 16.66 | 15.97 | 84.12 | 84.14 | 85.40 |
| 5 | CoLk08201 | 14.82 | 15.52 | 15.07 | 84.69 | 85.28 | 86.11 |
| 6 | Co Pb08214 | 15.07 | 15.94 | 16.18 | 85.14 | 83.90 | 84.17 |
| 7 | CoPb08215 | 16.60 | 15.94 | 15.69 | 83.00 | 83.90 | 83.46 |
| 8 | CoPb08216 | - | - | - | - | - | - |
| 9 | CoPb88217 | 15.07 | 14.60 | 15.52 | 85.14 | 84.88 | 85.28 |
| 10 | CoS08234 | 15.03 | 15.03 | 16.42 | 83.50 | 84.44 | 85.52 |
| 11 | CoS08235 | 14.12 | 14.36 | 13.95 | 84.05 | 83.01 | 83.93 |
| 12 | CoS-767 | 14.12 | 15.25 | 14.36 | 84.05 | 83.33 | 83.01 |
| 13 | CoS-8436 | 15.49 | 16.39 | 15.49 | 84.60 | 84.92 | 83.73 |
| 14 | Co Pant 97222 | 16.93 | 15.28 | 15.49 | 84.05 | 84.84 | 83.73 |

| S. No. | Entries | CCS(%) 300 days | | | Single cane weight (Kg.) | | |
|---------------|----------------|------------------------|-----------|------------|---------------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | CoH08261 | 10.84 | 10.43 | 9.85 | 1.12 | 1.10 | 1.14 |
| 2 | CoH08262 | 9.32 | 9.07 | 8.96 | 1.40 | 1.34 | 1.40 |
| 3 | CoH08263 | 10.73 | 10.55 | 10.24 | 1.70 | 1.60 | 1.66 |
| 4 | CoH08264 | 10.62 | 11.25 | 10.86 | 1.15 | 1.28 | 1.20 |
| 5 | CoLk08201 | 10.04 | 10.55 | 10.29 | 0.90 | 1.18 | 1.00 |
| 6 | Co Pb08214 | 10.23 | 10.74 | 10.93 | 1.20 | 1.05 | 1.10 |
| 7 | CoPb08215 | 11.13 | 10.74 | 10.55 | 0.98 | 0.90 | 0.94 |
| 8 | CoPb08216 | - | - | - | - | - | - |
| 9 | CoPb88217 | 10.23 | 9.90 | 10.55 | 1.36 | 1.48 | 1.46 |
| 10 | CoS08234 | 10.11 | 10.16 | 11.18 | 1.40 | 1.38 | 1.36 |
| 11 | CoS08235 | 9.53 | 9.71 | 9.52 | 1.10 | 0.96 | 1.07 |
| 12 | CoS-767 | 9.53 | 10.24 | 9.71 | 1.15 | 1.08 | 1.08 |
| 13 | CoS-8436 | 10.49 | 11.12 | 10.43 | 0.82 | 0.98 | 0.86 |
| 14 | Co Pant 97222 | 11.06 | 10.42 | 10.43 | 0.82 | 0.98 | 0.92 |

Name of Trial : IVT (Mid-late)

Date of Planting : 25-3-2011 Plot Size : 4rowX5mX90cm.

Number of Entries : 14 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | Cane Length(cm) | | | Cane diameter(cm) | | |
|---------------|----------------|------------------------|-----------|------------|--------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | CoH08261 | 145 | 170 | 162 | 2.30 | 2.40 | 2.60 |
| 2 | CoH08262 | 244 | 138 | 244 | 3.00 | 2.20 | 2.70 |
| 3 | CoH08263 | 233 | 214 | 187 | 3.10 | 2.70 | 2.40 |
| 4 | CoH08264 | 190 | 177 | 219 | 2.10 | 2.40 | 2.00 |
| 5 | CoLk08201 | 155 | 185 | 171 | 2.70 | 2.95 | 3.10 |
| 6 | Co Pb08214 | 170 | 220 | 206 | 2.20 | 2.40 | 2.70 |
| 7 | CoPb08215 | 175 | 181 | 192 | 2.10 | 2.30 | 2.40 |
| 8 | CoPb08216 | - | - | - | - | - | - |
| 9 | CoPb88217 | 237 | 275 | 247 | 2.50 | 2.30 | 2.30 |
| 10 | CoS08234 | 230 | 198 | 205 | 2.60 | 2.70 | 2.30 |
| 11 | CoS08235 | 217 | 222 | 240 | 2.50 | 2.00 | 2.20 |
| 12 | CoS-767 | 250 | 233 | 223 | 2.55 | 2.20 | 2.80 |
| 13 | CoS-8436 | 170 | 161 | 151 | 2.30 | 2.60 | 2.30 |
| 14 | Co Pant 97222 | 198 | 237 | 187 | 2.00 | 2.20 | 2.40 |

| S. No. | Entries | Brix(%) 360 days | | | Sucrose (%) 360 days | | |
|---------------|----------------|-------------------------|-----------|------------|-----------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | CoH08261 | 20.80 | 21.35 | 21.50 | 19.20 | 18.30 | 18.65 |
| 2 | CoH08262 | 21.00 | 21.50 | 22.30 | 18.21 | 18.65 | 19.52 |
| 3 | CoH08263 | 21.70 | 22.80 | 21.80 | 18.88 | 20.19 | 19.32 |
| 4 | CoH08264 | 23.50 | 24.20 | 22.70 | 20.50 | 20.82 | 20.00 |
| 5 | CoLk08201 | 21.20 | 22.35 | 22.00 | 18.80 | 19.20 | 19.32 |
| 6 | Co Pb08214 | 21.30 | 22.45 | 23.30 | 19.50 | 20.60 | 20.39 |
| 7 | CoPb08215 | 21.90 | 23.30 | 22.00 | 21.10 | 20.62 | 20.32 |
| 8 | CoPb08216 | - | - | - | - | - | - |
| 9 | CoPb88217 | 21.30 | 23.80 | 23.50 | 18.88 | 20.56 | 20.32 |
| 10 | CoS08234 | 22.20 | 22.80 | 22.30 | 19.32 | 19.95 | 19.52 |
| 11 | CoS08235 | 20.80 | 21.20 | 22.10 | 17.96 | 18.44 | 18.20 |
| 12 | CoS-767 | 22.10 | 21.30 | 21.50 | 19.20 | 18.65 | 18.88 |
| 13 | CoS-8436 | 22.80 | 22.70 | 22.80 | 19.95 | 19.76 | 20.19 |
| 14 | Co Pant 97222 | 21.70 | 22.30 | 21.30 | 18.88 | 19.52 | 18.65 |

Name of Trial : IVT (Mid-late)

Date of Planting : 25-3-2011 Plot Size : 4rowX5mX90cm.

Number of Entries : 14 Crop : Plant

Number of Replication : 3 No. of Sets /row: 20

| S. No. | Entries | CCS (%) 360 days | | | Cane Yield(Kg/Plot) | | |
|--------|---------------|------------------|-------|-------|---------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | CoH08261 | 13.20 | 12.60 | 12.78 | 120 | 110 | 115 |
| 2 | CoH08262 | 12.48 | 12.78 | 13.44 | 149 | 154 | 156 |
| 3 | CoH08263 | 12.96 | 13.98 | 13.38 | 179 | 171 | 174 |
| 4 | CoH08264 | 14.40 | 14.21 | 13.81 | 165 | 157 | 151 |
| 5 | CoLk08201 | 13.60 | 14.10 | 13.32 | 120 | 125 | 118 |
| 6 | Co Pb08214 | 13.80 | 14.40 | 14.04 | 146 | 160 | 151 |
| 7 | CoPb08215 | 13.80 | 14.27 | 13.32 | 130 | 115 | 122 |
| 8 | CoPb08216 | - | - | - | - | - | - |
| 9 | CoPb8217 | 13.08 | 14.06 | 13.98 | 158 | 168 | 164 |
| 10 | CoS08234 | 13.26 | 13.73 | 13.44 | 156 | 162 | 164 |
| 11 | CoS08235 | 12.28 | 12.66 | 13.10 | 120 | 114 | 128 |
| 12 | CoS-767 | 13.40 | 12.84 | 13.02 | 138 | 140 | 136 |
| 13 | CoS-8436 | 13.73 | 13.57 | 13.98 | 134 | 141 | 142 |
| 14 | Co Pant 97222 | 12.96 | 13.44 | 12.84 | 157 | 161 | 159 |

| S. No. | Entries | CCS Yield(Kg/Plot) | | | Purity (%) 360 days | | |
|--------|---------------|--------------------|-------|-------|---------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | CoH08261 | 14.80 | 13.60 | 14.70 | 84.40 | 85.48 | 86.74 |
| 2 | CoH08262 | 18.60 | 19.68 | 20.96 | 86.71 | 87.64 | 87.53 |
| 3 | CoH08263 | 23.20 | 23.91 | 23.28 | 83.01 | 88.53 | 88.62 |
| 4 | CoH08264 | 21.50 | 22.31 | 20.85 | 86.30 | 86.03 | 88.11 |
| 5 | CoLk08201 | 14.40 | 16.10 | 15.72 | 88.45 | 85.60 | 87.82 |
| 6 | Co Pb08214 | 20.10 | 20.40 | 21.20 | 86.10 | 88.30 | 87.51 |
| 7 | CoPb08215 | 15.90 | 16.41 | 16.25 | 87.10 | 88.50 | 87.82 |
| 8 | CoPb08216 | - | - | - | - | - | - |
| 9 | CoPb88217 | 20.67 | 23.62 | 22.93 | 88.64 | 86.39 | 86.77 |
| 10 | CoS08234 | 20.69 | 22.24 | 22.04 | 87.03 | 87.50 | 87.53 |
| 11 | CoS08235 | 14.74 | 14.43 | 14.90 | 86.05 | 86.98 | 86.15 |
| 12 | CoS-767 | 16.80 | 17.98 | 17.71 | 88.12 | 87.56 | 87.81 |
| 13 | CoS-8436 | 18.40 | 19.13 | 19.85 | 87.50 | 87.05 | 88.55 |
| 14 | Co Pant 97222 | 20.35 | 21.64 | 20.42 | 87.01 | 87.53 | 87.56 |

Name of Trial : AVT-I (Mid-late) Plant

Date of Planting : 17-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 12 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Germinants/Plot | | | Tillers/Plot | | |
|--------|-------------|-----------------|-------|-------|--------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 30.09 | 35.19 | 30.09 | 186 | 191 | 177 |
| 2 | CoH 07263 | 37.04 | 38.89 | 35.88 | 316 | 307 | 306 |
| 3 | Co H 07264 | 37.27 | 41.44 | 39.58 | 269 | 279 | 214 |
| 4 | CoLk07202 | 40.97 | 40.97 | 39.35 | 237 | 231 | 229 |
| 5 | Co Lk07203 | 33.80 | 31.48 | 37.50 | 223 | 214 | 221 |
| 6 | Co Pb 07212 | 39.12 | 40.51 | 37.50 | 288 | 275 | 276 |
| 7 | CoPb07213 | 34.72 | 38.20 | 36.81 | 345 | 330 | 336 |
| 8 | Co S 07232 | 38.43 | 40.74 | 39.58 | 324 | 311 | 327 |
| 9 | CoS07234 | 31.95 | 30.09 | 32.41 | 239 | 217 | 225 |
| 10 | Co S-767 | 36.34 | 37.50 | 37.27 | 323 | 326 | 301 |
| 11 | Co S-8436 | 30.09 | 28.94 | 30.56 | 205 | 219 | 214 |
| 12 | CoPant97222 | 37.04 | 37.04 | 36.57 | 244 | 245 | 234 |

| S. No. | Entries | NMC/Plot | | | Brix(%) 300days | | |
|--------|-------------|----------|-----|-----|-----------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 162 | 160 | 157 | 21.80 | 20.70 | 20.70 |
| 2 | CoH 07263 | 270 | 275 | 262 | 20.50 | 19.50 | 20.70 |
| 3 | Co H 07264 | 201 | 215 | 207 | 21.20 | 20.70 | 20.50 |
| 4 | CoLk07202 | 211 | 204 | 202 | 19.20 | 20.00 | 20.60 |
| 5 | Co Lk07203 | 188 | 178 | 185 | 21.00 | 20.30 | 20.80 |
| 6 | Co Pb 07212 | 198 | 203 | 196 | 20.20 | 20.80 | 20.50 |
| 7 | CoPb07213 | 267 | 259 | 257 | 20.20 | 20.30 | 20.00 |
| 8 | Co S 07232 | 273 | 265 | 279 | 20.20 | 20.50 | 21.00 |
| 9 | CoS07234 | 198 | 183 | 188 | 20.50 | 21.00 | 21.50 |
| 10 | Co S-767 | 260 | 251 | 246 | 20.00 | 19.20 | 20.20 |
| 11 | Co S-8436 | 165 | 160 | 171 | 21.30 | 21.20 | 20.80 |
| 12 | CoPant97222 | 205 | 196 | 193 | 21.20 | 21.30 | 21.00 |

Name of Trial : AVT-I (Mid-late) Plant

Date of Planting : 17-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 12 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Sucrose (%) 300 days | | | Purity(%) 300 days | | |
|--------|-------------|----------------------|-------|-------|--------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 18.13 | 17.52 | 17.28 | 83.17 | 84.65 | 83.48 |
| 2 | CoH 07263 | 17.28 | 16.39 | 17.04 | 84.29 | 84.05 | 82.32 |
| 3 | Co H 07264 | 17.49 | 17.28 | 17.04 | 82.50 | 83.48 | 83.12 |
| 4 | CoLk07202 | 16.18 | 16.60 | 17.76 | 84.27 | 83.00 | 86.21 |
| 5 | Co Lk07203 | 17.49 | 17.28 | 17.96 | 83.29 | 85.12 | 86.35 |
| 6 | Co Pb 07212 | 17.08 | 17.96 | 17.52 | 84.56 | 86.35 | 85.46 |
| 7 | CoPb07213 | 16.84 | 17.04 | 16.60 | 83.37 | 83.94 | 83.00 |
| 8 | Co S 07232 | 16.84 | 17.28 | 17.25 | 83.37 | 84.29 | 82.14 |
| 9 | CoS07234 | 17.28 | 17.25 | 18.17 | 84.29 | 82.14 | 84.51 |
| 10 | Co S-767 | 16.84 | 16.18 | 16.84 | 84.20 | 84.27 | 83.37 |
| 11 | Co S-8436 | 17.69 | 17.49 | 17.73 | 83.05 | 82.50 | 85.24 |
| 12 | CoPant97222 | 17.73 | 17.69 | 17.49 | 83.63 | 83.05 | 83.29 |

| S. No. | Entries | CCS(%) 300 days | | | Single cane weight(Kg) | | |
|--------|-------------|-----------------|-------|-------|------------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 12.16 | 11.86 | 11.62 | 1.16 | 1.22 | 1.24 |
| 2 | CoH 07263 | 11.67 | 11.06 | 11.37 | 1.48 | 1.38 | 1.44 |
| 3 | Co H 07264 | 11.68 | 11.62 | 11.43 | 1.78 | 1.80 | 1.64 |
| 4 | CoLk07202 | 10.93 | 11.13 | 12.14 | 1.12 | 1.12 | 1.22 |
| 5 | Co Lk07203 | 11.74 | 11.73 | 12.28 | 1.64 | 1.56 | 1.46 |
| 6 | Co Pb 07212 | 11.56 | 12.28 | 11.92 | 2.08 | 2.00 | 1.90 |
| 7 | CoPb07213 | 11.31 | 11.49 | 11.13 | 1.32 | 1.40 | 1.30 |
| 8 | Co S 07232 | 11.31 | 11.67 | 11.50 | 1.30 | 1.36 | 1.26 |
| 9 | CoS07234 | 11.67 | 11.50 | 12.29 | 1.22 | 1.40 | 1.30 |
| 10 | Co S-767 | 11.37 | 10.93 | 11.31 | 1.20 | 1.12 | 1.20 |
| 11 | Co S-8436 | 11.86 | 11.68 | 12.05 | 1.02 | 1.14 | 1.06 |
| 12 | CoPant97222 | 11.93 | 11.86 | 11.74 | 1.36 | 1.32 | 1.38 |

Name of Trial : AVT-I (Mid-late) Plant

Date of Planting : 17-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 12 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Cane Length (cm) | | | Cane Diameter (cm) | | |
|---------------|----------------|-------------------------|-----------|------------|---------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 208 | 219 | 225 | 2.40 | 2.20 | 2.20 |
| 2 | CoH 07263 | 265 | 252 | 254 | 2.40 | 2.30 | 2.40 |
| 3 | Co H 07264 | 274 | 269 | 274 | 2.40 | 2.40 | 2.40 |
| 4 | CoLk07202 | 263 | 259 | 265 | 1.90 | 2.20 | 2.10 |
| 5 | Co Lk07203 | 271 | 266 | 253 | 2.40 | 2.50 | 2.50 |
| 6 | Co Pb 07212 | 285 | 291 | 287 | 2.70 | 2.50 | 2.50 |
| 7 | CoPb07213 | 232 | 226 | 231 | 2.60 | 2.50 | 2.60 |
| 8 | Co S 07232 | 264 | 275 | 277 | 2.30 | 2.20 | 2.10 |
| 9 | CoS07234 | 238 | 240 | 239 | 2.20 | 2.30 | 2.20 |
| 10 | Co S-767 | 266 | 246 | 236 | 2.60 | 2.00 | 2.10 |
| 11 | Co S-8436 | 187 | 183 | 190 | 2.50 | 2.60 | 2.60 |
| 12 | CoPant97222 | 247 | 254 | 254 | 2.50 | 2.40 | 2.40 |

| S. No. | Entries | Brix(%) 360 days | | | Purity(%) 360 days | | |
|---------------|----------------|-------------------------|-----------|------------|---------------------------|-----------|------------|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 22.70 | 22.00 | 22.20 | 87.05 | 87.82 | 87.03 |
| 2 | CoH 07263 | 21.00 | 20.80 | 21.20 | 87.81 | 86.35 | 86.98 |
| 3 | Co H 07264 | 21.80 | 21.80 | 21.50 | 88.62 | 88.62 | 86.74 |
| 4 | CoLk07202 | 21.00 | 21.00 | 20.80 | 87.81 | 88.95 | 88.65 |
| 5 | Co Lk07203 | 21.70 | 21.20 | 21.20 | 87.01 | 88.11 | 88.11 |
| 6 | Co Pb 07212 | 21.80 | 22.30 | 22.00 | 87.52 | 87.53 | 86.73 |
| 7 | CoPb07213 | 20.50 | 20.80 | 20.80 | 86.63 | 86.35 | 88.65 |
| 8 | Co S 07232 | 20.50 | 21.00 | 22.20 | 86.63 | 87.81 | 87.03 |
| 9 | CoS07234 | 22.80 | 20.70 | 21.80 | 87.50 | 88.12 | 86.42 |
| 10 | Co S-767 | 21.50 | 21.20 | 22.00 | 85.63 | 88.11 | 86.73 |
| 11 | Co S-8436 | 22.00 | 22.30 | 22.20 | 87.82 | 86.46 | 88.11 |
| 12 | CoPant97222 | 21.50 | 22.00 | 22.20 | 86.74 | 87.82 | 88.11 |

Name of Trial : AVT-I (Mid-late) Plant

Date of Planting : 17-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 12 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Sucrose (%) 360 days | | | CCS(%) 360 days | | |
|--------|-------------|----------------------|-------|-------|-----------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 19.76 | 19.32 | 19.32 | 13.57 | 13.32 | 13.26 |
| 2 | CoH 07263 | 18.44 | 17.96 | 18.44 | 12.71 | 12.28 | 12.66 |
| 3 | Co H 07264 | 19.32 | 19.32 | 18.65 | 13.28 | 13.38 | 12.78 |
| 4 | CoLk07202 | 18.44 | 18.68 | 18.44 | 12.71 | 12.96 | 12.77 |
| 5 | Co Lk07203 | 18.88 | 18.68 | 18.68 | 12.96 | 12.90 | 12.90 |
| 6 | Co Pb 07212 | 19.08 | 19.52 | 19.08 | 13.13 | 13.44 | 13.08 |
| 7 | CoPb07213 | 17.76 | 17.96 | 18.44 | 12.17 | 12.28 | 12.77 |
| 8 | Co S 07232 | 17.76 | 18.44 | 19.32 | 12.17 | 12.71 | 13.26 |
| 9 | CoS07234 | 19.95 | 18.24 | 18.84 | 12.73 | 12.60 | 12.89 |
| 10 | Co S-767 | 18.41 | 18.68 | 19.08 | 12.54 | 12.90 | 13.08 |
| 11 | Co S-8436 | 19.32 | 19.28 | 19.56 | 13.32 | 13.19 | 13.51 |
| 12 | CoPant97222 | 18.65 | 19.32 | 19.56 | 12.78 | 13.32 | 13.51 |

| S. No. | Entries | CCS Yield(Kg/Plot) | | | Cane Yield(Kg)/Plot | | |
|--------|-------------|--------------------|-------|-------|---------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 07028 | 26.05 | 26.24 | 26.39 | 192 | 197 | 199 |
| 2 | CoH 07263 | 40.42 | 37.70 | 38.61 | 318 | 307 | 305 |
| 3 | Co H 07264 | 39.34 | 39.74 | 36.93 | 294 | 297 | 289 |
| 4 | CoLk07202 | 30.38 | 29.94 | 30.78 | 239 | 231 | 241 |
| 5 | Co Lk07203 | 37.71 | 36.77 | 35.99 | 291 | 285 | 279 |
| 6 | Co Pb 07212 | 42.67 | 43.01 | 40.55 | 325 | 320 | 310 |
| 7 | CoPb07213 | 34.56 | 35.24 | 35.37 | 284 | 287 | 277 |
| 8 | Co S 07232 | 34.81 | 37.11 | 38.06 | 286 | 292 | 287 |
| 9 | CoS07234 | 33.50 | 32.00 | 31.71 | 244 | 254 | 246 |
| 10 | Co S-767 | 33.87 | 37.41 | 38.72 | 310 | 290 | 296 |
| 11 | Co S-8436 | 23.84 | 25.31 | 24.86 | 179 | 192 | 184 |
| 12 | CoPant97222 | 39.62 | 39.16 | 40.40 | 310 | 294 | 299 |

Name of Trial : AVT-II (Mid-late) Plant

Date of Planting : 15-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Germinents/Plot | | | Tillers/Plot | | |
|--------|--------------|-----------------|-------|-------|--------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 36.34 | 34.26 | 33.33 | 333 | 365 | 382 |
| 2 | Co 06034 | 34.03 | 30.32 | 34.95 | 322 | 306 | 320 |
| 3 | Co H 06265 | 27.78 | 28.7 | 28.94 | 293 | 302 | 303 |
| 4 | Co H06266 | 30.09 | 26.62 | 30.09 | 261 | 247 | 264 |
| 5 | Co Pant 6224 | 30.09 | 33.57 | 29.63 | 292 | 288 | 308 |
| 6 | Co Pb 06219 | 34.03 | 39.95 | 37.73 | 516 | 507 | 527 |
| 7 | CoS 06247 | 25.93 | 30.56 | 28.47 | 199 | 206 | 211 |
| 8 | Co S 767 | 28.01 | 28.24 | 30.09 | 277 | 296 | 291 |
| 9 | Co S 8436 | 28.94 | 28.47 | 28.94 | 285 | 268 | 259 |
| 10 | Co 1148 | 28.01 | 29.63 | 27.55 | 312 | 327 | 328 |

| S. No. | Entries | NMC/Plot | | | Brix(%) 300 days | | |
|--------|--------------|----------|-----|-----|------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 305 | 300 | 285 | 20.5 | 20.7 | 20.7 |
| 2 | Co 06034 | 218 | 206 | 207 | 19.8 | 21.7 | 20.5 |
| 3 | Co H 06265 | 293 | 287 | 288 | 21.0 | 20.0 | 20.7 |
| 4 | Co H06266 | 211 | 209 | 209 | 21.3 | 21.8 | 21.0 |
| 5 | Co Pant 6224 | 239 | 249 | 234 | 21.5 | 20.7 | 21.5 |
| 6 | Co Pb 06219 | 325 | 329 | 331 | 17.7 | 18.5 | 19.2 |
| 7 | CoS 06247 | 174 | 181 | 194 | 20.3 | 19.0 | 20.7 |
| 8 | Co S 767 | 237 | 244 | 248 | 20.3 | 19.2 | 20.2 |
| 9 | Co S 8436 | 225 | 220 | 232 | 21.7 | 21.0 | 21.4 |
| 10 | Co 1148 | 269 | 255 | 248 | 20.5 | 19.5 | 20.8 |

Name of Trial : AVT-II (Mid-late) Plant

Date of Planting : 15-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Sucrose (%)300 days | | | Purity(%) 300 days | | |
|--------|--------------|---------------------|-------|-------|--------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 17.28 | 17.76 | 17.04 | 84.29 | 85.80 | 82.32 |
| 2 | Co 06034 | 16.66 | 18.41 | 16.80 | 84.14 | 84.44 | 81.95 |
| 3 | Co H 06265 | 17.49 | 16.60 | 17.52 | 83.29 | 83.00 | 84.64 |
| 4 | Co H06266 | 17.69 | 18.13 | 17.49 | 83.05 | 83.17 | 83.29 |
| 5 | Co Pant 6224 | 17.69 | 17.52 | 17.93 | 82.28 | 84.64 | 83.40 |
| 6 | Co Pb 06219 | 14.82 | 15.25 | 15.94 | 83.73 | 82.43 | 83.02 |
| 7 | CoS 06247 | 17.28 | 15.69 | 17.28 | 85.12 | 82.58 | 83.48 |
| 8 | Co S 767 | 17.04 | 16.18 | 16.6 | 83.94 | 84.27 | 82.18 |
| 9 | Co S 8436 | 18.17 | 17.73 | 17.93 | 83.73 | 84.43 | 83.79 |
| 10 | Co 1148 | 17.52 | 16.39 | 17.96 | 85.46 | 84.05 | 86.35 |

| S. No. | Entries | CCS(%) 300 days | | | Single Cane weight(Kg) | | |
|--------|--------------|-----------------|-------|-------|------------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 11.67 | 12.11 | 11.37 | 1.32 | 1.46 | 1.34 |
| 2 | Co 06034 | 11.25 | 12.48 | 11.18 | 1.54 | 1.40 | 1.46 |
| 3 | Co H 06265 | 11.74 | 11.13 | 11.86 | 1.42 | 1.34 | 1.36 |
| 4 | Co H06266 | 11.86 | 12.16 | 11.74 | 1.48 | 1.16 | 1.28 |
| 5 | Co Pant 6224 | 11.80 | 11.86 | 12.05 | 1.34 | 1.28 | 1.42 |
| 6 | Co Pb 06219 | 09.98 | 10.18 | 10.68 | 1.12 | 1.14 | 1.06 |
| 7 | CoS 06247 | 11.73 | 10.49 | 11.62 | 1.78 | 1.74 | 1.64 |
| 8 | Co S 767 | 11.49 | 10.93 | 11.07 | 1.20 | 1.02 | 1.12 |
| 9 | Co S 8436 | 12.23 | 11.99 | 12.08 | 1.08 | 0.90 | 0.94 |
| 10 | Co 1148 | 11.92 | 11.06 | 12.28 | 1.06 | 1.18 | 0.96 |

Name of Trial : AVT-II (Mid-late) Plant

Date of Planting : 15-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Cane Length(cm) | | | Cane Diameter(cm) | | |
|--------|--------------|-----------------|-----|-----|-------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 281 | 281 | 276 | 2.1 | 2.1 | 2.1 |
| 2 | Co 06034 | 271 | 237 | 284 | 2.5 | 2.4 | 2.2 |
| 3 | Co H 06265 | 256 | 256 | 264 | 2.3 | 2.3 | 2.3 |
| 4 | Co H06266 | 256 | 237 | 268 | 2.3 | 2.3 | 2.2 |
| 5 | Co Pant 6224 | 224 | 230 | 217 | 2.2 | 2.4 | 2.1 |
| 6 | Co Pb 06219 | 236 | 254 | 255 | 2.0 | 2.2 | 2.1 |
| 7 | CoS 06247 | 273 | 272 | 271 | 2.2 | 2.2 | 2.2 |
| 8 | Co S 767 | 256 | 232 | 246 | 2.3 | 2.2 | 2.1 |
| 9 | Co S 8436 | 188 | 167 | 154 | 2.6 | 2.7 | 2.5 |
| 10 | Co 1148 | 237 | 241 | 262 | 2.2 | 2.2 | 2.2 |

| S. No. | Entries | Brix(%) 360 days | | | Sucrose (%) 360 days | | |
|--------|--------------|------------------|------|------|----------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 21.3 | 21.2 | 21.3 | 18.88 | 18.68 | 18.65 |
| 2 | Co 06034 | 20.7 | 21.8 | 21.2 | 18.00 | 18.84 | 18.68 |
| 3 | Co H 06265 | 21.3 | 20.7 | 20.8 | 18.65 | 18.00 | 18.44 |
| 4 | Co H06266 | 21.5 | 22.3 | 21.7 | 18.41 | 19.52 | 18.88 |
| 5 | Co Pant 6224 | 22.7 | 22.8 | 22.2 | 19.76 | 20.19 | 19.32 |
| 6 | Co Pb 06219 | 20.0 | 20.0 | 20.0 | 17.56 | 17.56 | 17.32 |
| 7 | CoS 06247 | 20.5 | 20.0 | 20.8 | 17.76 | 17.32 | 17.73 |
| 8 | Co S 767 | 20.5 | 20.8 | 21.2 | 17.52 | 18.44 | 18.44 |
| 9 | Co S 8436 | 21.8 | 23.2 | 21.8 | 18.61 | 19.95 | 18.84 |
| 10 | Co 1148 | 20.7 | 20.8 | 21.2 | 18.24 | 18.44 | 18.44 |

Name of Trial : AVT-II (Mid-late) Plant

Date of Planting : 15-3-2011 Plot Size : 8rowX6mX90cm.

Number of Entries : 10 Crop : Plant

Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | CCS(%) 360 days | | | Purity(%) 360 days | | |
|--------|--------------|-----------------|-------|-------|--------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 13.08 | 12.9 | 12.84 | 88.64 | 88.11 | 87.56 |
| 2 | Co 06034 | 12.35 | 12.89 | 12.90 | 86.96 | 86.42 | 88.11 |
| 3 | Co H 06265 | 12.84 | 12.35 | 12.77 | 87.56 | 86.96 | 88.65 |
| 4 | Co H06266 | 12.54 | 13.44 | 12.96 | 85.63 | 87.53 | 87.01 |
| 5 | Co Pant 6224 | 13.57 | 13.98 | 13.26 | 87.05 | 88.55 | 87.03 |
| 6 | Co Pb 06219 | 12.11 | 12.11 | 11.86 | 87.80 | 87.80 | 86.60 |
| 7 | CoS 06247 | 12.17 | 11.86 | 12.05 | 86.63 | 86.60 | 85.24 |
| 8 | Co S 767 | 11.92 | 12.77 | 12.66 | 85.46 | 88.65 | 86.98 |
| 9 | Co S 8436 | 12.65 | 13.62 | 12.89 | 85.37 | 85.99 | 86.42 |
| 10 | Co 1148 | 12.60 | 12.77 | 12.66 | 88.12 | 88.65 | 86.98 |

| S. No. | Entries | CCS Yield(Kg/Plot) | | | Cane Yield (Kg/Plot) | | |
|--------|--------------|--------------------|-------|-------|----------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 39.89 | 40.12 | 38.14 | 305 | 311 | 297 |
| 2 | Co 06034 | 35.69 | 35.71 | 35.48 | 289 | 277 | 275 |
| 3 | Co H 06265 | 38.65 | 36.31 | 37.80 | 301 | 294 | 296 |
| 4 | Co H06266 | 35.36 | 36.56 | 36.03 | 282 | 272 | 278 |
| 5 | Co Pant 6224 | 43.56 | 44.46 | 43.76 | 321 | 318 | 330 |
| 6 | Co Pb 06219 | 37.66 | 38.15 | 36.53 | 311 | 315 | 308 |
| 7 | CoS 06247 | 38.21 | 36.89 | 38.08 | 314 | 311 | 316 |
| 8 | Co S 767 | 32.54 | 33.84 | 33.93 | 273 | 265 | 268 |
| 9 | Co S 8436 | 30.99 | 31.46 | 29.39 | 245 | 231 | 228 |
| 10 | Co 1148 | 34.65 | 36.40 | 33.93 | 275 | 285 | 268 |

Name of Trial : AVT (Mid-late) Ratoon
Date of Harvesting : 28-3-2011 **Plot Size** : 8rowX6mX90cm.
Number of Entries : 10 **Crop** : Ratoon
Number of Replication : 3 **No. of Sets /row:** 24

| S. No. | Entries | NMC /Plot | | | Single Cane weight(Kg) | | |
|--------|---------------|-----------|-----|-----|------------------------|------|------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 349 | 333 | 386 | 1.06 | 1.18 | 0.98 |
| 2 | Co 06034 | 269 | 279 | 267 | 0.92 | 0.98 | 0.96 |
| 3 | COH 06265 | 364 | 370 | 374 | 1.00 | 1.00 | 1.06 |
| 4 | COH 06266 | 375 | 371 | 369 | 0.98 | 1.06 | 1.04 |
| 5 | Co Pant 06224 | 369 | 370 | 375 | 1.06 | 1.08 | 1.12 |
| 6 | CoPb 06219 | 360 | 364 | 370 | 0.92 | 0.86 | 0.88 |
| 7 | Co S 06247 | 304 | 311 | 316 | 1.18 | 1.12 | 1.04 |
| 8 | CoS 767 | 330 | 333 | 323 | 0.92 | 0.96 | 0.98 |
| 9 | CoS8436 | 315 | 304 | 328 | 0.80 | 0.88 | 0.70 |
| 10 | CoS 1148 | 367 | 366 | 376 | 0.74 | 0.72 | 0.76 |

| S. No. | Entries | Cane Length (cm) | | | Cane Diameter (cm) | | |
|--------|---------------|------------------|-----|-----|--------------------|-----|-----|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 236 | 218 | 230 | 2.0 | 2.3 | 1.9 |
| 2 | Co 06034 | 187 | 194 | 190 | 2.4 | 2.4 | 2.3 |
| 3 | COH 06265 | 191 | 207 | 214 | 2.5 | 2.5 | 2.5 |
| 4 | COH 06266 | 195 | 244 | 193 | 1.9 | 2.3 | 2.4 |
| 5 | Co Pant 06224 | 146 | 159 | 178 | 2.2 | 2.2 | 2.3 |
| 6 | CoPb 06219 | 188 | 183 | 215 | 2.2 | 2.1 | 2.2 |
| 7 | Co S 06247 | 231 | 208 | 185 | 2.6 | 2.3 | 2.3 |
| 8 | CoS 767 | 180 | 187 | 177 | 2.2 | 2.4 | 2.4 |
| 9 | CoS8436 | 150 | 152 | 118 | 2.4 | 2.5 | 2.3 |
| 10 | CoS 1148 | 199 | 273 | 196 | 1.8 | 2.0 | 2.1 |

Name of Trial : AVT (Mid-late) Ratoon
Date of Harvesting : 28-3-2011 **Plot Size** : 8rowX6mX90cm.
Number of Entries : 10 **Crop** : Ratoon
Number of Replication : 3 **No. of Sets /row:** 24

| S. No. | Entries | Brix (%) 330 days | | | Sucrose(%) 330 days | | |
|--------|---------------|-------------------|------|------|---------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 20.5 | 20.0 | 20.5 | 17.76 | 17.56 | 18.00 |
| 2 | Co 06034 | 20.5 | 22.7 | 23.0 | 18.00 | 19.76 | 20.19 |
| 3 | COH 06265 | 20.7 | 19.0 | 21.3 | 18.24 | 16.66 | 18.65 |
| 4 | COH 06266 | 22.2 | 21.8 | 20.2 | 19.32 | 19.08 | 17.80 |
| 5 | Co Pant 06224 | 21.8 | 21.3 | 21.7 | 18.84 | 18.65 | 18.88 |
| 6 | CoPb 06219 | 19.2 | 20.0 | 20.0 | 16.66 | 17.32 | 17.56 |
| 7 | Co S 06247 | 20.2 | 21.0 | 20.0 | 17.56 | 18.68 | 17.32 |
| 8 | CoS 767 | 20.5 | 20.0 | 20.8 | 18.00 | 17.56 | 18.21 |
| 9 | CoS8436 | 23.2 | 22.3 | 21.8 | 20.19 | 19.52 | 18.84 |
| 10 | CoS 1148 | 20.8 | 20.5 | 21.5 | 18.44 | 18.24 | 18.88 |

| S. No. | Entries | Purity (%) 330 days | | | CCS(%) 330 days | | |
|--------|---------------|---------------------|-------|-------|-----------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 86.63 | 87.80 | 87.81 | 12.17 | 12.11 | 12.41 |
| 2 | Co 06034 | 87.81 | 87.05 | 87.78 | 12.41 | 13.57 | 13.92 |
| 3 | COH 06265 | 88.12 | 87.68 | 87.56 | 12.60 | 11.48 | 18.65 |
| 4 | COH 06266 | 87.03 | 87.52 | 88.12 | 13.26 | 13.13 | 12.29 |
| 5 | Co Pant 06224 | 86.42 | 87.56 | 87.01 | 12.89 | 12.84 | 12.96 |
| 6 | CoPb 06219 | 86.77 | 86.60 | 87.80 | 11.42 | 11.86 | 12.11 |
| 7 | Co S 06247 | 86.93 | 88.95 | 86.60 | 12.05 | 12.96 | 11.86 |
| 8 | CoS 767 | 87.81 | 87.80 | 87.55 | 12.41 | 12.11 | 12.54 |
| 9 | CoS8436 | 87.03 | 87.53 | 86.42 | 13.86 | 13.44 | 12.89 |
| 10 | CoS 1148 | 88.65 | 88.98 | 87.81 | 12.77 | 12.66 | 13.02 |

Name of Trial : AVT (Mid-late) Ratoon
Date of Harvesting : 28-3-2011 Plot Size : 8rowX6mX90cm.
Number of Entries : 10 Crop : Ratoon
Number of Replication : 3 No. of Sets /row: 24

| S. No. | Entries | Cane Yield(Kg/Plot) | | | CCS Yield Kg/Plot) | | |
|--------|---------------|---------------------|-----|-----|--------------------|-------|-------|
| | | I | II | III | I | II | III |
| 1 | Co 06033 | 356 | 371 | 362 | 43.33 | 44.93 | 44.92 |
| 2 | Co 06034 | 251 | 271 | 259 | 31.15 | 36.78 | 36.05 |
| 3 | COH 06265 | 347 | 352 | 362 | 43.72 | 40.41 | 46.48 |
| 4 | COH 06266 | 351 | 374 | 367 | 46.54 | 49.11 | 45.10 |
| 5 | Co Pant 06224 | 374 | 379 | 384 | 48.21 | 48.66 | 49.77 |
| 6 | CoPb 06219 | 316 | 299 | 305 | 36.09 | 35.46 | 36.94 |
| 7 | Co S 06247 | 344 | 332 | 335 | 41.45 | 43.03 | 39.73 |
| 8 | CoS 767 | 309 | 318 | 321 | 38.35 | 38.51 | 40.25 |
| 9 | CoS8436 | 255 | 266 | 237 | 35.34 | 35.75 | 30.55 |
| 10 | CoS 1148 | 275 | 269 | 281 | 35.12 | 34.06 | 36.59 |

Meteorological Data for 2011-2012 crop season at Pantnagar

| Month | Temperature | | Relative Humidity | | Rainfall (mm) | No. of Rainy days |
|------------|-------------|------|-------------------|------|------------------|----------------------|
| | Max. | Min. | 0712 | 1412 | | |
| Jan-2011 | 17.1 | 5.8 | 92 | 63 | 024.4 | 2 |
| Feb-2011 | 23.4 | 8.9 | 90 | 50 | 032.8 | 5 |
| March-2011 | 29.3 | 12.6 | 86 | 36 | 013.8 | 3 |
| April-2011 | 34.8 | 17.1 | 71 | 26 | 005.8 | 2 |
| May-2011 | 36.7 | 22.8 | 70 | 40 | 071.2 | 8 |
| June-2011 | 34.0 | 24.2 | 80 | 61 | 217.4 | 12 |
| July-2011 | 32.1 | 25.4 | 88 | 71 | 753.6 | 21 |
| Aug-2011 | 31.8 | 25.2 | 89 | 72 | 773.8 | 18 |
| Sept-2011 | 32.2 | 23.8 | 90 | 68 | 271.6 | 9 |
| Oct-2011 | 31.6 | 17.4 | 90 | 55 | 000.0 | 0 |
| Nov-2011 | 26.9 | 12.7 | 90 | 53 | 000.0 | 0 |
| Dec-2011 | 22.0 | 8.1 | 93 | 56 | 000.0 | 0 |
| Jan-2012 | 19.4 | 6.7 | 91 | 62 | 025.2 | 7 |
| Feb-2012 | 23.9 | 8.0 | 90 | 40 | 000.6 | 1 |
| March-2012 | 29.1 | 12.1 | 89 | 40 | 003.8 | 2 |
| April-2012 | 34.8 | 18.5 | 72 | 33 | 007.4 | 3 |