

40

POTCHEFSTROOM EXPERIMENT STATION.
UNIFORMITY TRIAL: 1928 - 29.

Crop: Maize, planted by hand 3' x 3', single plants per hill.
Soil: Grey clay-loam, previously cropped to variety trial.
Area: 40 x 250 yards divided into 4 ranges A,B,C,D - each 10 yards wide.
Unit of Harvesting: Single rows of 10 plants.
Weights: Husked cobs in lbs. Shelling percentage 80.

| ROW : | A : | B : | C : | D : | ROW : | A : | B : | C : | D : |
|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|
| 1 | 7.4 | 6.1 | 6.1 | 7.0 | 28 | 7.0 | 7.5 | 5.9 | 5.0 |
| 2 | 6.6 | 6.2 | 5.2 | 6.0 | 29 | 5.8 | 6.8 | 5.6 | 6.4 |
| 3 | 8.0 | 7.6 | 7.4 | 5.5 | 30 | 7.1 | 7.4 | 5.9 | 6.0 |
| 4 | 7.2 | 6.8 | 4.6 | 6.8 | 31 | 5.7 | 7.1 | 6.1 | 6.4 |
| 5 | 6.6 | 4.8 | 6.8 | 5.9 | 32 | 6.3 | 6.3 | 7.2 | 6.9 |
| 6 | 5.2 | 5.3 | 5.7 | 7.1 | 33 | 6.5 | 7.3 | 5.5 | 5.8 |
| 7 | 6.0 | 5.8 | 6.4 | 5.1 | 34 | 7.2 | 5.7 | 6.5 | 6.7 |
| 8 | 7.2 | 6.2 | 8.1 | 6.4 | 35 | 7.5 | 6.6 | 5.9 | 5.2 |
| 9 | 7.0 | 5.2 | 6.1 | 5.9 | 36 | 5.6 | 7.2 | 7.3 | 6.7 |
| 10 | 6.0 | 6.3 | 6.7 | 5.9 | 37 | 7.2 | 7.2 | 6.6 | 6.8 |
| 11 | 7.7 | 4.9 | 6.8 | 6.0 | 38 | 7.5 | 5.9 | 6.2 | 6.2 |
| 12 | 7.6 | 6.1 | 6.6 | 8.1 | 39 | 6.2 | 7.2 | 5.4 | 5.6 |
| 13 | 6.8 | 7.0 | 6.9 | 7.2 | 40 | 7.5 | 6.5 | 6.9 | 6.4 |
| 14 | 5.9 | 7.2 | 5.5 | 7.1 | 44 | 6.7 | 7.6 | 6.8 | 6.3 |
| 15 | 6.5 | 5.6 | 5.9 | 6.1 | 45 | 7.3 | 6.8 | 7.9 | 6.9 |
| 16 | 6.8 | 5.9 | 5.9 | 5.7 | 46 | 7.6 | 7.9 | 7.3 | 6.5 |
| 17 | 6.6 | 6.5 | 6.7 | 6.5 | 47 | 7.2 | 8.0 | 7.4 | 7.5 |
| 18 | 5.6 | 4.9 | 5.9 | 5.3 | 48 | 6.6 | 6.6 | 7.8 | 5.9 |
| 19 | 7.0 | 6.0 | 5.4 | 6.2 | 49 | 7.1 | 6.3 | 6.1 | 7.6 |
| 20 | 6.6 | 6.4 | 5.6 | 5.7 | 50 | 5.6 | 6.2 | 8.0 | 7.9 |
| 21 | 6.1 | 5.8 | 6.9 | 5.5 | 51 | 7.6 | 7.6 | 6.8 | 7.5 |
| 22 | 5.3 | 5.0 | 5.1 | 7.2 | 52 | 7.0 | 6.2 | 7.9 | 7.5 |
| 23 | 7.5 | 5.9 | 4.8 | 6.1 | 53 | 7.4 | 8.1 | 6.0 | 7.6 |
| 24 | 6.6 | 5.9 | 5.5 | 6.5 | 54 | 7.5 | 7.7 | 7.3 | 7.2 |
| 25 | 7.4 | 8.0 | 6.9 | 6.7 | 55 | 7.9 | 6.7 | 7.0 | 7.6 |
| 26 | 6.5 | 7.9 | 6.1 | 5.9 | 56 | 5.9 | 7.1 | 6.4 | 6.4 |
| 27 | 6.8 | 6.0 | 7.5 | 5.9 | 57 | 8.2 | 5.9 | 7.9 | 7.5 |

| ROW : | A : | B : | C : | D : | ROW : | A : | B : | C : | D : |
|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|
| 58 | 6.5 | 6.8 | 7.1 | 5.7 | 89 | 6.8 | 6.8 | 6.0 | 5.6 |
| 59 | 8.1 | 6.9 | 5.5 | 7.6 | 90 | 7.1 | 5.7 | 5.4 | 5.8 |
| 60 | 7.0 | 6.4 | 6.2 | 6.2 | 91 | 7.2 | 7.6 | 6.6 | 6.0 |
| 61 | 6.6 | 7.6 | 7.2 | 6.9 | 92 | 7.7 | 7.9 | 6.6 | 7.0 |
| 62 | 7.3 | 7.5 | 8.0 | 7.6 | 93 | 6.0 | 8.0 | 5.6 | 6.4 |
| 63 | 7.8 | 6.0 | 7.6 | 7.8 | 94 | 6.7 | 6.7 | 5.0 | 5.0 |
| 64 | 8.1 | 8.2 | 7.1 | 8.0 | 95 | 5.8 | 6.4 | 5.4 | 5.0 |
| 65 | 7.9 | 8.0 | 7.5 | 7.4 | 96 | 6.2 | 6.0 | 6.2 | 6.4 |
| 66 | 6.9 | 7.7 | 8.3 | 5.9 | 97 | 6.0 | 6.4 | 6.8 | 5.2 |
| 67 | 7.5 | 7.6 | 8.0 | 7.5 | 98 | 4.8 | 5.6 | 6.2 | 6.4 |
| 68 | 6.9 | 6.7 | 6.0 | 5.3 | 99 | 7.3 | 5.1 | 6.4 | 5.6 |
| 69 | 7.5 | 6.8 | 7.5 | 8.1 | 100 | 6.4 | 6.2 | 6.2 | 4.8 |
| 70 | 7.4 | 7.4 | 7.1 | 6.3 | 101 | 6.0 | 7.0 | 6.8 | 4.8 |
| 71 | 7.4 | 6.9 | 5.9 | 6.4 | 102 | 4.8 | 6.2 | 6.9 | 5.1 |
| 72 | 7.7 | 7.5 | 7.2 | 7.0 | 103 | 7.1 | 6.7 | 6.2 | 6.8 |
| 73 | 7.2 | 6.6 | 8.5 | 8.0 | 104 | 5.9 | 5.1 | 5.6 | 6.2 |
| 74 | 8.0 | 7.8 | 6.3 | 6.0 | 105 | 6.5 | 7.1 | 5.9 | 5.7 |
| 75 | 7.3 | 7.1 | 5.6 | 6.0 | 106 | 6.5 | 6.1 | 7.3 | 6.4 |
| 76 | 7.2 | 7.0 | 7.0 | 6.4 | 107 | 6.0 | 5.7 | 5.9 | 6.3 |
| 77 | 6.9 | 6.8 | 7.9 | 6.5 | 108 | 6.0 | 6.5 | 6.5 | 6.6 |
| 78 | 6.7 | 6.7 | 6.5 | 5.5 | 109 | 5.9 | 6.3 | 6.8 | 7.0 |
| 79 | 7.4 | 7.0 | 5.8 | 4.8 | 110 | 7.3 | 7.1 | 5.8 | 6.9 |
| 80 | 8.1 | 6.5 | 6.0 | 6.2 | 111 | 6.5 | 6.9 | 6.5 | 7.1 |
| 81 | 5.4 | 5.4 | 7.2 | 5.9 | 112 | 6.8 | 6.0 | 6.4 | 5.0 |
| 82 | 7.2 | 6.2 | 5.8 | 6.0 | 113 | 7.1 | 7.2 | 6.0 | 6.1 |
| 83 | 5.9 | 5.9 | 6.6 | 7.2 | 114 | 7.1 | 7.2 | 6.1 | 5.8 |
| 84 | 7.5 | 8.0 | 6.2 | 6.4 | 115 | 7.5 | 7.7 | 6.6 | 7.0 |
| 85 | 5.0 | 5.8 | 6.0 | 6.0 | 116 | 7.6 | 7.4 | 6.4 | 6.6 |
| 86 | 6.4 | 6.3 | 6.1 | 6.2 | 117 | 7.1 | 7.5 | 6.8 | 7.2 |
| 87 | 6.8 | 7.3 | 5.6 | 6.4 | 118 | 6.9 | 7.1 | 6.0 | 6.0 |
| 88 | 6.8 | 6.6 | 5.9 | 7.5 | 119 | 6.5 | 8.0 | 6.5 | 6.2 |

| ROW : | A : | B : | C : | D : | ROW : | A : | B : | C : | D : |
|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|
| 120 | 7.6 | 6.6 | 7.2 | 7.6 | 151 | 6.0 | 6.0 | 6.4 | 6.4 |
| 121 | 6.3 | 7.5 | 6.0 | 6.5 | 152 | 4.8 | 5.0 | 5.9 | 6.7 |
| 122 | 5.8 | 6.2 | 6.6 | 5.6 | 153 | 5.8 | 5.7 | 6.0 | 5.9 |
| 123 | 7.0 | 7.6 | 5.4 | 6.4 | 154 | 6.2 | 5.0 | 5.8 | 6.2 |
| 124 | 6.8 | 7.2 | 5.4 | 6.8 | 155 | 6.0 | 6.5 | 6.5 | 6.7 |
| 125 | 5.7 | 6.3 | 6.7 | 7.0 | 156 | 5.5 | 6.0 | 6.2 | 6.3 |
| 126 | 6.6 | 7.8 | 7.2 | 6.0 | 157 | 5.2 | 6.0 | 5.0 | 5.4 |
| 127 | 8.0 | 7.5 | 6.2 | 6.0 | 158 | 5.7 | 5.8 | 6.3 | 6.5 |
| 128 | 6.6 | 7.0 | 6.5 | 5.9 | 159 | 6.2 | 6.5 | 6.1 | 6.9 |
| 129 | 5.8 | 6.2 | 6.5 | 6.5 | 160 | 6.0 | 7.0 | 6.7 | 6.3 |
| 130 | 6.0 | 7.4 | 6.0 | 6.6 | 161 | 6.2 | 5.1 | 5.9 | 6.5 |
| 131 | 6.9 | 7.0 | 7.2 | 8.1 | 162 | 5.0 | 5.0 | 5.5 | 5.5 |
| 132 | 5.7 | 7.1 | 7.5 | 6.7 | 163 | 4.9 | 5.1 | 5.0 | 5.2 |
| 133 | 6.2 | 6.2 | 5.7 | 6.1 | 164 | 6.1 | 5.1 | 5.2 | 6.2 |
| 134 | 6.0 | 6.0 | 5.4 | 5.4 | 165 | 6.0 | 4.8 | 4.7 | 5.0 |
| 135 | 6.6 | 6.8 | 6.9 | 7.9 | 166 | 6.1 | 5.7 | 5.8 | 5.6 |
| 136 | 5.9 | 6.3 | 6.5 | 8.1 | 167 | 6.5 | 5.1 | 5.2 | 5.6 |
| 137 | 8.0 | 6.7 | 8.2 | 7.8 | 168 | 5.7 | 6.1 | 5.2 | 5.1 |
| 138 | 7.2 | 7.0 | 6.4 | 6.2 | 169 | 6.0 | 5.0 | 6.0 | 5.6 |
| 139 | 6.5 | 7.5 | 6.4 | 7.2 | 170 | 5.8 | 6.8 | 6.6 | 6.5 |
| 140 | 5.5 | 6.9 | 5.6 | 6.8 | 171 | 7.0 | 6.0 | 6.4 | 5.7 |
| 141 | 6.6 | 5.7 | 6.5 | 6.1 | 172 | 7.2 | 6.2 | 6.2 | 5.6 |
| 142 | 7.7 | 5.7 | 6.0 | 7.0 | 173 | 5.2 | 5.4 | 5.8 | 5.5 |
| 143 | 5.8 | 6.0 | 5.2 | 6.2 | 174 | 5.0 | 5.8 | 5.0 | 5.0 |
| 144 | 5.6 | 5.0 | 5.8 | 7.4 | 175 | 5.8 | 5.8 | 5.8 | 6.0 |
| 145 | 6.5 | 5.0 | 6.1 | 5.6 | 176 | 5.9 | 5.9 | 6.0 | 6.0 |
| 146 | 6.1 | 6.1 | 7.1 | 7.1 | 177 | 5.0 | 5.1 | 4.9 | 5.5 |
| 147 | 6.0 | 7.3 | 7.0 | 7.9 | 178 | 6.0 | 5.4 | 5.3 | 5.7 |
| 148 | 6.4 | 5.2 | 6.8 | 6.6 | 179 | 6.1 | 6.3 | 5.8 | 5.8 |
| 149 | 5.5 | 5.1 | 6.5 | 6.1 | 180 | 5.9 | 5.5 | 4.8 | 5.0 |
| 150 | 6.6 | 6.3 | 6.1 | 6.0 | 181 | 5.4 | 5.9 | 6.0 | 5.3 |

| ROW | A | B | C | D | ROW | A | B | C | D |
|-----|-----|-----|-------|-----|-----|-------|-----|-----|-----|
| 182 | 5.9 | 6.1 | 6.2 | 7.2 | 216 | 7.9 | 7.8 | 7.3 | 8.0 |
| 183 | 5.3 | 6.4 | 6.3 | 6.4 | 217 | 8.0 | 8.0 | 6.1 | 7.1 |
| 184 | 7.2 | 6.0 | 5.3 | 5.7 | 218 | 6.2 | 6.8 | 6.0 | 6.8 |
| 185 | 5.7 | 6.2 | 5.5 | 7.3 | 219 | 7.3 | 7.3 | 8.0 | 8.0 |
| 186 | 6.7 | 5.3 | 5.4 v | 6.6 | 220 | 5.8 | 6.0 | 7.3 | 7.9 |
| 187 | 7.5 | 7.3 | 7.6 | 7.2 | 221 | 7.1 | 7.6 | 7.3 | 5.1 |
| 188 | 7.5 | 7.3 | 6.3 | 7.1 | 222 | 6.8 | 6.8 | 7.0 | 7.3 |
| 189 | 6.7 | 7.1 | 6.4 | 5.7 | 223 | 6.6 | 6.9 | 5.3 | 8.0 |
| 190 | 5.9 | 6.3 | 5.5 | 7.5 | 224 | 5.7 | 6.4 | 6.8 | 7.3 |
| 191 | 7.1 | 7.7 | 6.1 | 6.7 | 225 | 7.5 v | 7.7 | 7.0 | 5.6 |
| 192 | 8.0 | 6.1 | 7.5 | 7.9 | 226 | 8.5 | 6.9 | 6.8 | 8.4 |
| 193 | 6.8 | 7.6 | 6.9 | 7.9 | 227 | 7.5 | 6.7 | 7.0 | 7.1 |
| 194 | 7.5 | 6.9 | 6.5 | 6.5 | 228 | 6.9 | 6.3 | 6.7 | 7.5 |
| 195 | 7.3 | 7.9 | 6.9 | 7.3 | 229 | 7.2 | 7.0 | 7.2 | 6.7 |
| 196 | 7.2 | 6.9 | 6.7 | 8.1 | 230 | 7.6 | 7.4 | 7.4 | 7.2 |
| 197 | 7.5 | 6.7 | 5.9 | 7.1 | 231 | 8.0 | 7.4 | 7.3 | 7.5 |
| 198 | 7.4 | 7.2 | 6.0 | 7.2 | 232 | 7.5 | 7.7 | 6.8 | 6.6 |
| 199 | 7.8 | 8.0 | 8.1 | 8.2 | 233 | 7.4 | 7.7 | 7.5 | 7.0 |
| 200 | 7.9 | 8.1 | 7.9 | 8.2 | 234 | 7.7 | 5.8 | 7.4 | 7.1 |
| 201 | 6.9 | 7.1 | 7.5 | 6.5 | 235 | 7.6 | 6.4 | 7.0 | 6.0 |
| 202 | 5.5 | 6.7 | 5.2 | 7.1 | 236 | 8.5 | 7.0 | 7.9 | 6.9 |
| 203 | 6.5 | 5.6 | 7.6 | 7.9 | 237 | 8.3 | 8.0 | 7.3 | 7.7 |
| 204 | 6.9 | 6.8 | 7.0 | 6.0 | 238 | 7.2 | 7.0 | 7.5 | 7.3 |
| 205 | 6.5 | 7.4 | 7.1 | 7.2 | 239 | 7.8 | 8.0 | 7.6 | 6.6 |
| 206 | 6.8 | 6.5 | 7.0 | 7.1 | 240 | 8.0 | 7.3 | 6.5 | 6.5 |
| 207 | 8.3 | 7.3 | 7.5 | 7.1 | 241 | 6.0 | 6.4 | 5.8 | 6.4 |
| 208 | 7.7 | 6.2 | 7.6 | 6.3 | 242 | 7.5 | 6.0 | 6.1 | 7.1 |
| 209 | 7.1 | 6.3 | 7.4 | 5.7 | 243 | 7.5 | 7.6 | 6.6 | 6.9 |
| 210 | 7.5 | 7.7 | 7.1 | 6.9 | 244 | 8.3 | 5.9 | 7.0 | 6.2 |
| 211 | 6.0 | 6.3 | 7.5 | 7.0 | 245 | 8.0 | 6.6 | 5.8 | 6.6 |
| 212 | 7.5 | 7.2 | 6.6 | 7.9 | 246 | 7.8 | 7.0 | 7.2 | 8.0 |
| 213 | 7.8 | 7.2 | 7.4 | 6.8 | 247 | 6.9 | 6.0 | 6.3 | 5.6 |
| 214 | 7.6 | 7.6 | 7.5 | 6.9 | 248 | 7.5 | 8.0 | 7.5 | 7.3 |
| 215 | 7.0 | 6.8 | 7.0 | 5.8 | 249 | 6.6 | 5.6 | 6.2 | 5.4 |
| | | | | | 250 | 6.9 | 6.1 | 8.3 | 7.9 |