

Table 17
2003 Performance of Varieties - ACSC Commercial Coded Test
Mhd/Hlb Combined ACSC Locations - All Characters

| Description @ | Code | Rec/T lbs. | Rec/A lbs. | Loss Mol % | Rev/T \$ ++ | Rev/A \$ ++ | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Vigor+ Rating | Emerg. % | Bolter % |
|--------------------------------|------|------------|------------|------------|-------------|-------------|---------|-----------|--------|-------|---------|---------------|----------|----------|
| Beta 3800(Aph) | 10 | 333.2 | 7295 | 1.20 | 43.12 | 941 | 17.86 | 21.98 | 433 | 1872 | 276 | | 80.1 | 0.00 |
| Beta 3820(Aph) | 18 | 354.0 | 7687 | 1.17 | 47.91 | 1039 | 18.86 | 21.78 | 320 | 1917 | 280 | | 78.8 | 0.00 |
| Beta 4818R(Aph & Rzm) | 30 | 344.8 | 7978 | 1.29 | 45.79 | 1057 | 18.53 | 23.22 | 352 | 2073 | 323 | | 68.3 | 0.04 |
| Beta 6225 | 4 | 333.8 | 7306 | 1.23 | 43.26 | 944 | 17.91 | 21.95 | 481 | 1823 | 288 | | 81.8 | 0.00 |
| Beta 6233 | 34 | 349.2 | 7542 | 1.26 | 46.81 | 1010 | 18.72 | 21.63 | 367 | 2031 | 303 | | 76.8 | 0.00 |
| Beta 6400(Aph) | 25 | 351.7 | 7058 | 1.29 | 47.39 | 946 | 18.87 | 20.22 | 353 | 2098 | 311 | | 75.1 | 0.08 |
| Beta 6447 | 39 | 350.6 | 6888 | 1.32 | 47.13 | 929 | 18.85 | 19.59 | 370 | 2088 | 332 | | 71.7 | 0.00 |
| Beta 6600 | 15 | 335.4 | 7656 | 1.24 | 43.63 | 994 | 18.00 | 22.89 | 432 | 1870 | 302 | | 71.7 | 0.00 |
| Beta 6610 | 20 | 341.4 | 7451 | 1.26 | 45.00 | 980 | 18.32 | 21.89 | 405 | 1983 | 298 | | 77.1 | 0.00 |
| Croplan Genetics CL101 | 8 | 330.9 | 7728 | 1.35 | 42.60 | 998 | 17.90 | 23.22 | 407 | 2107 | 341 | | 72.4 | 0.00 |
| Croplan Genetics CL102 | 29 | 329.5 | 7049 | 1.29 | 42.27 | 905 | 17.76 | 21.38 | 385 | 2035 | 316 | | 70.7 | 0.00 |
| Croplan Genetics CL311 (111) | 31 | 348.0 | 7492 | 1.29 | 46.52 | 1001 | 18.69 | 21.57 | 378 | 1972 | 340 | | 79.1 | 0.00 |
| Crystal 723 | 26 | 348.3 | 7312 | 1.20 | 46.60 | 976 | 18.62 | 21.04 | 345 | 1929 | 296 | | 73.4 | 0.00 |
| Crystal 725 | 14 | 343.8 | 7570 | 1.24 | 45.56 | 1000 | 18.43 | 22.09 | 388 | 2021 | 288 | | 81.2 | 0.00 |
| Crystal 817 | 41 | 348.8 | 7008 | 1.25 | 46.70 | 940 | 18.69 | 20.05 | 341 | 2003 | 316 | | 79.5 | 0.00 |
| Crystal 820 | 24 | 338.2 | 7450 | 1.24 | 44.28 | 972 | 18.15 | 22.13 | 403 | 1921 | 305 | | 78.5 | 0.00 |
| Crystal 822 | 37 | 344.8 | 7215 | 1.30 | 45.79 | 958 | 18.54 | 20.92 | 430 | 2002 | 320 | | 73.4 | 0.00 |
| Crystal 952 | 19 | 344.8 | 7154 | 1.23 | 45.79 | 949 | 18.47 | 20.81 | 381 | 1938 | 300 | | 80.2 | 0.00 |
| Crystal 955 | 3 | 336.4 | 7568 | 1.30 | 43.85 | 988 | 18.12 | 22.46 | 438 | 1977 | 322 | | 71.0 | 0.00 |
| Crystal 999 | 35 | 349.6 | 7745 | 1.23 | 46.90 | 1037 | 18.71 | 22.20 | 352 | 1945 | 311 | | 79.5 | 0.00 |
| Crystal R826(Rzm) | 9 | 348.6 | 7187 | 1.38 | 46.67 | 960 | 18.81 | 20.70 | 386 | 2103 | 371 | | 84.9 | 0.00 |
| Hilleshog 2093 | 38 | 329.4 | 6726 | 1.30 | 42.24 | 859 | 17.76 | 20.51 | 363 | 2108 | 312 | | 69.7 | 0.00 |
| Hilleshog 2129 | 13 | 344.3 | 6753 | 1.22 | 45.69 | 894 | 18.43 | 19.69 | 281 | 1934 | 329 | | 80.8 | 0.00 |
| Hilleshog 2236(Aph) | 5 | 319.3 | 6578 | 1.30 | 39.92 | 823 | 17.26 | 20.59 | 403 | 2046 | 313 | | 71.4 | 0.00 |
| Hilleshog 2239(Aph) | 27 | 328.9 | 6544 | 1.27 | 42.14 | 836 | 17.71 | 19.97 | 462 | 1922 | 306 | | 76.4 | 0.00 |
| Hilleshog 2411Rz | 2 | 346.5 | 7484 | 1.32 | 46.19 | 997 | 18.64 | 21.61 | 376 | 1983 | 361 | | 76.1 | 0.00 |
| Hilleshog 2433Rz | 17 | 351.7 | 7131 | 1.26 | 47.39 | 959 | 18.84 | 20.35 | 248 | 1977 | 360 | | 73.1 | 0.00 |
| Hilleshog 7172Rz | 36 | 341.8 | 7100 | 1.31 | 45.10 | 933 | 18.39 | 20.87 | 363 | 2011 | 348 | | 77.5 | 0.00 |
| Holly HH-811 | 12 | 332.0 | 7590 | 1.34 | 42.85 | 982 | 17.94 | 22.78 | 380 | 2148 | 327 | | 74.4 | 0.00 |
| Holly HH-956 | 22 | 347.1 | 7408 | 1.28 | 46.32 | 989 | 18.63 | 21.33 | 343 | 1975 | 342 | | 69.0 | 0.00 |
| Seedex Aurora(SX823 925 Aph) | 16 | 346.3 | 7393 | 1.18 | 46.14 | 980 | 18.49 | 21.49 | 294 | 1923 | 295 | | 68.3 | 0.00 |
| Seedex Magnum(SX0816 0922) | 42 | 353.8 | 7816 | 1.22 | 47.87 | 1058 | 18.91 | 22.07 | 292 | 1963 | 316 | | 81.8 | 0.19 |
| Seedex Monarch | 23 | 330.8 | 7116 | 1.36 | 42.56 | 914 | 17.89 | 21.54 | 459 | 2076 | 332 | | 75.4 | 0.00 |
| Seedex SX0822(Aph & Rzm) | 33 | 354.9 | 7441 | 1.13 | 48.12 | 1004 | 18.87 | 21.12 | 238 | 1869 | 294 | | 64.0 | 0.00 |
| Seedex Thunder | 40 | 337.9 | 7578 | 1.33 | 44.21 | 989 | 18.23 | 22.51 | 362 | 2101 | 343 | | 72.0 | 0.00 |
| Seedex Titan | 1 | 341.5 | 7377 | 1.28 | 45.04 | 973 | 18.36 | 21.57 | 379 | 2074 | 306 | | 71.0 | 0.04 |
| Van der Have H46177(Aph & Rzm) | 28 | 349.7 | 7411 | 1.24 | 46.92 | 990 | 18.72 | 21.32 | 277 | 2079 | 309 | | 64.0 | 0.00 |
| Van der Have H66240 | 7 | 335.0 | 7754 | 1.34 | 43.54 | 1008 | 18.09 | 23.15 | 409 | 2069 | 338 | | 74.1 | 0.00 |
| Van der Have H66556 | 21 | 343.2 | 7559 | 1.28 | 45.43 | 1005 | 18.44 | 21.89 | 350 | 2058 | 319 | | 68.0 | 0.00 |
| Van der Have H66561 | 6 | 337.0 | 7783 | 1.27 | 44.01 | 1016 | 18.12 | 23.09 | 393 | 1995 | 311 | | 72.7 | 0.04 |
| Van der Have H66626 | 32 | 347.3 | 7423 | 1.27 | 46.37 | 993 | 18.63 | 21.30 | 336 | 2013 | 328 | | 70.7 | 0.00 |
| Van der Have H66629 | 11 | 337.8 | 7802 | 1.25 | 44.19 | 1019 | 18.14 | 23.15 | 341 | 2022 | 308 | | 75.4 | 0.00 |
| Check Mean | | 342.0 | 7360 | 1.27 | 45.14 | 970 | 18.36 | 21.56 | 369 | 2001 | 318 | | 74.6 | 0.01 |
| Coeff. of Var. (%) | | 3.0 | 6.0 | 6.1 | 5.2 | 7.1 | 2.6 | 5.6 | 19.3 | 5.5 | 10.3 | | 12.7 | |
| F Value | | 3.0 | 2.6 | 3.4 | 3.0 | 2.2 | 3.1 | 4.4 | 2.4 | 3.9 | 4.3 | | 2.8 | |
| Mean LSD (0.05) | | 13.9 | 606 | 0.08 | 3.19 | 102 | 0.65 | 1.35 | 100 | 114 | 29 | | 8.4 | |
| Mean LSD (0.01) | | 18.6 | 810 | 0.11 | 4.27 | 136 | 0.87 | 1.80 | 134 | 152 | 39 | | 11.2 | |

* 2003 Data from Moorhead & Halstad.

Created 10-31-03.

+ Lower numbers indicate better seedling vigor. Data not collected.

Trial # = 03MHm

@ Some varieties not approved for sale. Refer to approval list for approval status.

++ Revenue estimates are based on a \$40.09 beet payment at 17.5 % sugar and 1.5 % loss to molasses. Revenue does not consider hauling costs.