

**Table 14**  
**2003 Performance of Varieties - ACSC Commercial Coded Test**  
**All 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   | 325.0      | 8025       | 1.10       | 41.25       | 1015        | 17.35   | 24.78     | 325    | 1711  | 277     | 3.1           | 80.0     | 0.00     |
| Beta 3820(Aph)                 | 18   | 335.8      | 8239       | 1.11       | 43.72       | 1071        | 17.90   | 24.59     | 269    | 1792  | 285     | 2.9           | 85.6     | 0.00     |
| Beta 4818R(Aph & Rzm)          | 30   | 330.1      | 8026       | 1.17       | 42.41       | 1029        | 17.68   | 24.38     | 291    | 1894  | 299     | 3.3           | 70.6     | 0.01     |
| Beta 6225                      | 4    | 326.5      | 8123       | 1.09       | 41.59       | 1033        | 17.42   | 24.93     | 328    | 1699  | 274     | 3.0           | 86.1     | 0.00     |
| Beta 6233                      | 34   | 336.7      | 8058       | 1.15       | 43.93       | 1050        | 17.99   | 23.96     | 277    | 1855  | 300     | 2.8           | 79.4     | 0.00     |
| Beta 6400(Aph)                 | 25   | 338.5      | 7812       | 1.18       | 44.34       | 1022        | 18.11   | 23.11     | 278    | 1903  | 308     | 3.0           | 78.9     | 0.02     |
| Beta 6447                      | 39   | 337.8      | 7598       | 1.20       | 44.19       | 993         | 18.09   | 22.50     | 304    | 1871  | 319     | 2.9           | 74.2     | 0.00     |
| Beta 6600                      | 15   | 327.3      | 8268       | 1.12       | 41.77       | 1055        | 17.48   | 25.25     | 303    | 1747  | 293     | 2.9           | 81.8     | 0.01     |
| Beta 6610                      | 20   | 332.4      | 8022       | 1.14       | 42.94       | 1035        | 17.75   | 24.17     | 285    | 1819  | 292     | 3.0           | 79.0     | 0.00     |
| Croplan Genetics CL101         | 8    | 322.9      | 8211       | 1.25       | 40.75       | 1036        | 17.39   | 25.44     | 312    | 1937  | 340     | 2.5           | 74.2     | 0.00     |
| Croplan Genetics CL102         | 29   | 323.5      | 8043       | 1.19       | 40.88       | 1017        | 17.36   | 24.86     | 290    | 1862  | 322     | 2.8           | 75.3     | 0.00     |
| Croplan Genetics CL311 (111)   | 31   | 333.8      | 7985       | 1.16       | 43.25       | 1035        | 17.85   | 23.92     | 291    | 1795  | 319     | 2.5           | 82.6     | 0.00     |
| Crystal 723                    | 26   | 337.6      | 7946       | 1.11       | 44.14       | 1036        | 17.99   | 23.63     | 268    | 1788  | 288     | 2.7           | 78.4     | 0.01     |
| Crystal 725                    | 14   | 331.4      | 8166       | 1.15       | 42.71       | 1050        | 17.72   | 24.72     | 298    | 1866  | 287     | 2.6           | 81.3     | 0.00     |
| Crystal 817                    | 41   | 335.0      | 7918       | 1.16       | 43.54       | 1029        | 17.91   | 23.63     | 267    | 1838  | 315     | 2.6           | 82.7     | 0.00     |
| Crystal 820                    | 24   | 330.1      | 8246       | 1.14       | 42.42       | 1058        | 17.64   | 25.00     | 301    | 1750  | 305     | 2.7           | 85.5     | 0.00     |
| Crystal 822                    | 37   | 336.6      | 8020       | 1.16       | 43.91       | 1044        | 17.98   | 23.90     | 303    | 1800  | 306     | 2.3           | 79.6     | 0.00     |
| Crystal 952                    | 19   | 334.5      | 7925       | 1.16       | 43.43       | 1027        | 17.88   | 23.76     | 310    | 1826  | 297     | 2.3           | 84.2     | 0.00     |
| Crystal 955                    | 3    | 329.4      | 8127       | 1.19       | 42.25       | 1042        | 17.66   | 24.69     | 320    | 1886  | 305     | 2.9           | 73.1     | 0.00     |
| Crystal 999                    | 35   | 333.6      | 8143       | 1.13       | 43.23       | 1052        | 17.82   | 24.50     | 277    | 1789  | 302     | 2.8           | 83.0     | 0.00     |
| Crystal R826(Rzm)              | 9    | 334.8      | 7834       | 1.21       | 43.49       | 1016        | 17.95   | 23.44     | 308    | 1912  | 321     | 2.2           | 88.4     | 0.00     |
| Hilleshog 2093                 | 38   | 320.6      | 7784       | 1.23       | 40.22       | 975         | 17.26   | 24.33     | 283    | 1966  | 327     | 3.1           | 78.5     | 0.00     |
| Hilleshog 2129                 | 13   | 332.6      | 7346       | 1.16       | 43.00       | 947         | 17.79   | 22.14     | 215    | 1813  | 338     | 3.2           | 80.0     | 0.00     |
| Hilleshog 2236(Aph)            | 5    | 315.0      | 7303       | 1.18       | 38.95       | 900         | 16.93   | 23.26     | 310    | 1842  | 308     | 3.6           | 76.6     | 0.00     |
| Hilleshog 2239(Aph)            | 27   | 321.4      | 7462       | 1.20       | 40.41       | 935         | 17.27   | 23.32     | 356    | 1809  | 320     | 3.0           | 76.5     | 0.00     |
| Hilleshog 2411Rz               | 2    | 327.4      | 7767       | 1.22       | 41.80       | 990         | 17.59   | 23.76     | 314    | 1817  | 350     | 3.0           | 78.3     | 0.00     |
| Hilleshog 2433Rz               | 17   | 327.8      | 7424       | 1.18       | 41.88       | 948         | 17.56   | 22.69     | 266    | 1809  | 333     | 3.1           | 78.8     | 0.00     |
| Hilleshog 7172Rz               | 36   | 318.9      | 7455       | 1.16       | 39.84       | 930         | 17.10   | 23.40     | 328    | 1816  | 295     | 3.1           | 84.6     | 0.00     |
| Holly HH-811                   | 12   | 323.0      | 8277       | 1.21       | 40.78       | 1045        | 17.36   | 25.63     | 302    | 1905  | 320     | 2.9           | 78.6     | 0.01     |
| Holly HH-956                   | 22   | 336.8      | 8324       | 1.15       | 43.95       | 1086        | 17.99   | 24.72     | 256    | 1813  | 315     | 3.0           | 77.1     | 0.01     |
| Seedex Aurora(SX823 925 Aph)   | 16   | 331.2      | 7992       | 1.08       | 42.67       | 1027        | 17.64   | 24.19     | 239    | 1776  | 275     | 2.9           | 78.1     | 0.01     |
| Seedex Magnum(SX0816 0922)     | 42   | 335.6      | 8506       | 1.15       | 43.68       | 1106        | 17.93   | 25.39     | 253    | 1839  | 309     | 2.9           | 81.3     | 0.13     |
| Seedex Monarch                 | 23   | 320.2      | 7891       | 1.22       | 40.14       | 987         | 17.23   | 24.71     | 334    | 1904  | 314     | 2.7           | 80.8     | 0.01     |
| Seedex SX0822(Aph & Rzm)       | 33   | 334.3      | 7976       | 1.04       | 43.39       | 1033        | 17.75   | 23.91     | 217    | 1722  | 266     | 3.3           | 69.1     | 0.00     |
| Seedex Thunder                 | 40   | 328.7      | 8225       | 1.21       | 42.09       | 1052        | 17.65   | 25.06     | 291    | 1877  | 333     | 3.0           | 80.0     | 0.00     |
| Seedex Titan                   | 1    | 329.1      | 7928       | 1.15       | 42.18       | 1015        | 17.60   | 24.13     | 280    | 1842  | 299     | 3.0           | 77.3     | 0.01     |
| Van der Have H46177(Aph & Rzm) | 28   | 330.7      | 7943       | 1.16       | 42.55       | 1019        | 17.69   | 24.10     | 248    | 1896  | 302     | 3.3           | 66.4     | 0.00     |
| Van der Have H66240            | 7    | 326.7      | 8371       | 1.23       | 41.63       | 1065        | 17.56   | 25.67     | 302    | 1898  | 339     | 2.9           | 79.6     | 0.00     |
| Van der Have H66556            | 21   | 327.2      | 8123       | 1.17       | 41.75       | 1034        | 17.53   | 24.91     | 279    | 1875  | 307     | 3.1           | 77.9     | 0.00     |
| Van der Have H66561            | 6    | 329.0      | 8484       | 1.15       | 42.16       | 1087        | 17.61   | 25.81     | 279    | 1844  | 304     | 2.8           | 79.9     | 0.06     |
| Van der Have H66626            | 32   | 334.7      | 8301       | 1.16       | 43.46       | 1077        | 17.90   | 24.83     | 259    | 1838  | 320     | 2.9           | 73.6     | 0.02     |
| Van der Have H66629            | 11   | 327.2      | 8454       | 1.18       | 41.75       | 1078        | 17.54   | 25.85     | 283    | 1869  | 316     | 2.7           | 82.1     | 0.00     |
| Check Mean                     |      | 329.8      | 8002       | 1.16       | 42.34       | 1026        | 17.65   | 24.31     | 288    | 1836  | 308     | 2.9           | 79.0     | 0.01     |
| Coeff. of Var. (%)             |      | 2.9        | 5.8        | 5.7        | 5.2         | 7.2         | 2.5     | 5.2       | 18.9   | 5.3   | 10.4    | 12.5          | 12.2     |          |
| F Value                        |      | 9.4        | 10.5       | 12.6       | 9.4         | 9.2         | 9.6     | 13.0      | 6.6    | 10.1  | 11.0    | 6.4           | 9.8      |          |
| Mean LSD (0.05)                |      | 5.2        | 262        | 0.03       | 1.21        | 41          | 0.25    | 0.70      | 32     | 53    | 16      | 0.3           | 4.0      |          |
| Mean LSD (0.01)                |      | 6.9        | 345        | 0.05       | 1.59        | 54          | 0.33    | 0.92      | 42     | 70    | 21      | 0.4           | 5.3      |          |

\* 2003 Data from Kindred, Halstad, Climax, Crookston, Grand Forks, Tabor, St Thomas, Cavalier & Humbolt.

Created 10-31-03.

+ Lower numbers indicate better seedling vigor.

Trial # = 03ACmV

@ 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.