2021 Performance of Approved RR Varieties - ACSC Official Trials

11 Sites

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 322.9 | 97 | 11076 | 117 | 1.13 | 46.49 | 94 | 1590 | 113 | 17.28 | 34.40 | 136 | 1518 | 424 | 0 | 80.7 |
| BTS 8882 | 112 | 322.3 | 97 | 10856 | 115 | 1.22 | 46.33 | 93 | 1554 | 111 | 17.34 | 33.81 | 148 | 1706 | 442 | 0 | 80.8 |
| BTS 8927 | 101 | 343.3 | 103 | 10313 | 109 | 1.04 | 52.48 | 106 | 1572 | 112 | 18.21 | 30.16 | 119 | 1474 | 372 | 0 | 70.3 |
| BTS 8938 | 113 | 333.2 | 100 | 10608 | 112 | 1.10 | 49.53 | 100 | 1574 | 112 | 17.76 | 31.89 | 123 | 1495 | 407 | 0 | 67.7 |
| BTS 8961 | 110 | 328.5 | 98 | 10652 | 112 | 1.17 | 48.14 | 97 | 1556 | 111 | 17.60 | 32.51 | 143 | 1661 | 414 | 0 | 77.2 |
| Crystal 572 | 125 | 337.9 | 101 | 10200 | 108 | 1.13 | 50.88 | 102 | 1530 | 109 | 18.02 | 30.32 | 114 | 1538 | 425 | 3 | 80.7 |
| Crystal 684 | 124 | 320.8 | 96 | 10770 | 114 | 1.21 | 45.89 | 92 | 1533 | 109 | 17.25 | 33.70 | 149 | 1703 | 429 | 0 | 80.4 |
| Crystal 793 | 107 | 339.3 | 102 | 10805 | 114 | 1.08 | 51.29 | 103 | 1625 | 116 | 18.04 | 32.02 | 120 | 1527 | 390 | 0 | 79.7 |
| Crystal 796 | 108 | 328.1 | 98 | 10820 | 114 | 1.18 | 48.03 | 97 | 1578 | 112 | 17.59 | 33.09 | 139 | 1650 | 425 | 0 | 82.0 |
| Crystal 803 | 115 | 336.8 | 101 | 10672 | 113 | 1.13 | 50.56 | 102 | 1597 | 114 | 17.97 | 31.79 | 118 | 1588 | 412 | 3 | 81.3 |
| Crystal 804 | 114 | 324.7 | 97 | 11041 | 117 | 1.15 | 47.03 | 95 | 1591 | 113 | 17.39 | 34.17 | 154 | 1610 | 411 | 0 | 79.1 |
| Crystal 913 | 118 | 339.5 | 102 | 10493 | 111 | 1.08 | 51.35 | 103 | 1579 | 113 | 18.05 | 31.07 | 126 | 1511 | 387 | 0 | 77.8 |
| Hilleshög HIL2317 | 120 | 334.5 | 100 | 9750 | 103 | 1.12 | 49.88 | 100 | 1451 | 103 | 17.84 | 29.22 | 142 | 1643 | 378 | 0 | 74.6 |
| Hilleshög HIL9528 | 109 | 320.3 | 96 | 9741 | 103 | 1.13 | 45.74 | 92 | 1392 | 99 | 17.14 | 30.38 | 163 | 1557 | 400 | 0 | 74.9 |
| Hilleshög HIL9708 | 123 | 326.9 | 98 | 9647 | 102 | 1.11 | 47.67 | 96 | 1402 | 100 | 17.45 | 29.60 | 163 | 1553 | 387 | 0 | 79.4 |
| Hilleshög HIL9920 | 117 | 335.4 | 101 | 10041 | 106 | 1.14 | 50.17 | 101 | 1497 | 107 | 17.91 | 30.02 | 148 | 1680 | 385 | 0 | 75.9 |
| Maribo MA504 | 106 | 320.3 | 96 | 9831 | 104 | 1.18 | 45.75 | 92 | 1401 | 100 | 17.20 | 30.77 | 162 | 1612 | 429 | 0 | 78.7 |
| Maribo MA717 | 121 | 317.4 | 95 | 10012 | 106 | 1.16 | 44.88 | 90 | 1414 | 101 | 17.03 | 31.59 | 161 | 1631 | 410 | 0 | 74.2 |
| Maribo MA902 | 119 | 326.9 | 98 | 9808 | 104 | 1.12 | 47.68 | 96 | 1427 | 102 | 17.47 | 30.07 | 164 | 1567 | 391 | 0 | 83.7 |
| SV 265 | 105 | 326.9 | 98 | 9725 | 103 | 1.07 | 47.66 | 96 | 1416 | 101 | 17.42 | 29.80 | 127 | 1570 | 370 | 0 | 76.2 |
| SV 268 | 116 | 333.2 | 100 | 10462 | 110 | 1.13 | 49.52 | 100 | 1552 | 111 | 17.79 | 31.47 | 118 | 1637 | 397 | 0 | 81.7 |
| SV 285 | 111 | 335.8 | 101 | 10211 | 108 | 1.11 | 50.28 | 101 | 1524 | 109 | 17.90 | 30.51 | 116 | 1609 | 387 | 0 | 81.8 |
| SV 375 | 102 | 336.3 | 101 | 10313 | 109 | 1.09 | 50.43 | 102 | 1541 | 110 | 17.91 | 30.78 | 115 | 1599 | 381 | 0 | 81.1 |
| SX 1888 | 104 | 328.0 | 98 | 9829 | 104 | 1.17 | 47.99 | 97 | 1434 | 102 | 17.57 | 30.03 | 127 | 1638 | 428 | 0 | 75.6 |
| SX 1898 | 122 | 335.6 | 101 | 9932 | 105 | 1.13 | 50.21 | 101 | 1479 | 105 | 17.91 | 29.75 | 121 | 1632 | 400 | 0 | 76.8 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 338.0 | 101 | 10817 | 114 | 1.08 | 50.94 | 103 | 1622 | 116 | 17.97 | 32.16 | 120 | 1526 | 388 | 0 | 83.1 |
| BTS 8034 | 222 | 323.2 | 97 | 11041 | 117 | 1.17 | 46.59 | 94 | 1587 | 113 | 17.34 | 34.28 | 152 | 1710 | 399 | 0 | 83.3 |
| BTS 8073 | 207 | 332.4 | 100 | 10393 | 110 | 1.14 | 49.30 | 99 | 1533 | 109 | 17.76 | 31.44 | 118 | 1560 | 428 | 0 | 80.3 |
| BTS 8092 | 236 | 332.2 | 100 | 10914 | 115 | 1.07 | 49.22 | 99 | 1611 | 115 | 17.67 | 32.98 | 127 | 1492 | 384 | 0 | 80.3 |
| Crystal 021 | 208 | 330.0 | 99 | 11043 | 117 | 1.14 | 48.59 | 98 | 1620 | 115 | 17.64 | 33.60 | 142 | 1670 | 390 | 0 | 76.0 |
| Crystal 022 | 241 | 340.7 | 102 | 10221 | 108 | 1.08 | 51.73 | 104 | 1543 | 110 | 18.12 | 30.19 | 119 | 1515 | 395 | 0 | 78.8 |
| Crystal 025 | 244 | 333.2 | 100 | 10368 | 109 | 1.16 | 49.52 | 100 | 1531 | 109 | 17.82 | 31.34 | 136 | 1636 | 416 | 8 | 75.7 |
| Crystal 026 | 209 | 327.9 | 98 | 10971 | 116 | 1.21 | 47.97 | 97 | 1602 | 114 | 17.61 | 33.56 | 152 | 1753 | 417 | 0 | 80.9 |
| Crystal 029 | 240 | 335.6 | 101 | 10162 | 107 | 1.13 | 50.24 | 101 | 1512 | 108 | 17.90 | 30.48 | 118 | 1576 | 413 | 0 | 82.5 |
| Crystal 912 | 242 | 328.2 | 98 | 11422 | 121 | 1.13 | 48.05 | 97 | 1665 | 119 | 17.54 | 34.96 | 160 | 1491 | 420 | 0 | 79.2 |
| Hilleshög HIL2320 | 217 | 324.3 | 97 | 9781 | 103 | 1.19 | 46.93 | 95 | 1411 | 101 | 17.40 | 30.24 | 161 | 1639 | 429 | 0 | 82.2 |
| Hilleshög HIL2366 | 215 | 331.3 | 99 | 10032 | 106 | 1.12 | 48.97 | 99 | 1481 | 106 | 17.68 | 30.34 | 150 | 1553 | 397 | 0 | 85.2 |
| Hilleshög HIL2367 | 237 | 327.3 | 98 | 9901 | 104 | 1.19 | 47.80 | 96 | 1443 | 103 | 17.55 | 30.32 | 149 | 1617 | 441 | 0 | 82.0 |
| Hilleshög HIL2368 | 233 | 337.7 | 101 | 8924 | 94 | 1.15 | 50.84 | 102 | 1339 | 95 | 18.02 | 26.51 | 142 | 1557 | 423 | 0 | 82.2 |
| SV 203 | 239 | 337.8 | 101 | 9853 | 104 | 1.11 | 50.87 | 102 | 1478 | 105 | 18.00 | 29.31 | 119 | 1655 | 381 | 0 | 78.2 |
| SX 1804 | 228 | 334.4 | 100 | 10164 | 107 | 1.12 | 49.88 | 100 | 1512 | 108 | 17.83 | 30.51 | 122 | 1622 | 394 | 0 | 80.4 |
| Comm Benchmark Mean | | 333.7 | | 9475 | | 1.21 | 49.65 | | 1403 | | 17.89 | 28.56 | 133 | 1657 | 443 | | 78.1 |
| Trial Mean | | 330.4 | | 10159 | | 1.14 | 48.68 | | 1491 | | 17.66 | 30.87 | 138 | 1606 | 408 | | 78.0 |
| Coeff. of Var. (%) | | 3.1 | | 5.8 | | 8.1 | 6.1 | | 7.8 | | 2.7 | 5.0 | 18.3 | 4.6 | 14.1 | | 8.1 |
| Mean LSD (0.05) | | 5.1 | | 344 | | 0.04 | 1.50 | | 63 | | 0.25 | 0.97 | 14 | 35 | 25 | | 2.6 |
| Mean LSD (0.01) | | 6.8 | | 452 | | 0.05 | 1.98 | | 83 | | 0.33 | 1.28 | 18 | 47 | 33 | | 3.4 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from 11 Sites  Bolters based upon 60,000 seed per acre.  Created 11/03/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 21ACSExpB

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and does not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Casselton ND

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 304.2 | 97 | 13113 | 119 | 1.06 | 41.00 | 93 | 1768 | 115 | 16.27 | 43.22 | 138 | 1550 | 360 | 0 | 73.7 |
| BTS 8882 | 112 | 297.2 | 95 | 13361 | 121 | 1.16 | 38.97 | 89 | 1746 | 113 | 16.01 | 44.99 | 154 | 1776 | 371 | 0 | 74.0 |
| BTS 8927 | 101 | 320.6 | 102 | 12848 | 116 | 0.98 | 45.81 | 104 | 1836 | 119 | 17.01 | 40.04 | 106 | 1461 | 334 | 0 | 58.5 |
| BTS 8938 | 113 | 311.4 | 99 | 12588 | 114 | 1.07 | 43.12 | 98 | 1742 | 113 | 16.64 | 40.47 | 136 | 1498 | 380 | 0 | 59.3 |
| BTS 8961 | 110 | 303.1 | 97 | 12570 | 114 | 1.13 | 40.71 | 93 | 1686 | 109 | 16.28 | 41.47 | 147 | 1690 | 373 | 0 | 69.7 |
| Crystal 572 | 125 | 315.1 | 100 | 12408 | 112 | 1.12 | 44.21 | 101 | 1739 | 113 | 16.86 | 39.23 | 114 | 1615 | 396 | 0 | 75.4 |
| Crystal 684 | 124 | 294.9 | 94 | 12997 | 118 | 1.19 | 38.28 | 87 | 1686 | 109 | 15.93 | 44.13 | 160 | 1780 | 390 | 0 | 79.9 |
| Crystal 793 | 107 | 313.4 | 100 | 13276 | 120 | 1.06 | 43.70 | 100 | 1846 | 120 | 16.72 | 42.40 | 122 | 1549 | 363 | 0 | 75.8 |
| Crystal 796 | 108 | 310.8 | 99 | 12988 | 117 | 1.11 | 42.95 | 98 | 1794 | 116 | 16.65 | 41.70 | 139 | 1734 | 353 | 0 | 72.5 |
| Crystal 803 | 115 | 310.9 | 99 | 12657 | 114 | 1.12 | 42.99 | 98 | 1746 | 113 | 16.67 | 40.89 | 121 | 1616 | 393 | 0 | 76.5 |
| Crystal 804 | 114 | 303.2 | 97 | 13324 | 120 | 1.14 | 40.73 | 93 | 1784 | 116 | 16.30 | 44.06 | 164 | 1676 | 377 | 0 | 66.1 |
| Crystal 913 | 118 | 313.0 | 100 | 12932 | 117 | 1.01 | 43.61 | 99 | 1803 | 117 | 16.66 | 41.36 | 128 | 1573 | 317 | 0 | 65.3 |
| Hilleshög HIL2317 | 120 | 318.7 | 102 | 11946 | 108 | 1.04 | 45.27 | 103 | 1699 | 110 | 16.98 | 37.45 | 137 | 1683 | 309 | 0 | 65.0 |
| Hilleshög HIL9528 | 109 | 309.7 | 99 | 11845 | 107 | 1.09 | 42.62 | 97 | 1630 | 106 | 16.58 | 38.17 | 155 | 1642 | 357 | 0 | 63.2 |
| Hilleshög HIL9708 | 123 | 304.0 | 97 | 11525 | 104 | 1.06 | 40.95 | 93 | 1551 | 101 | 16.26 | 37.95 | 161 | 1555 | 350 | 0 | 72.1 |
| Hilleshög HIL9920 | 117 | 314.4 | 100 | 12167 | 110 | 1.05 | 43.99 | 100 | 1704 | 110 | 16.76 | 38.61 | 139 | 1681 | 315 | 0 | 66.8 |
| Maribo MA504 | 106 | 299.1 | 95 | 12168 | 110 | 1.13 | 39.52 | 90 | 1614 | 105 | 16.09 | 40.68 | 154 | 1617 | 388 | 0 | 66.5 |
| Maribo MA717 | 121 | 303.5 | 97 | 11949 | 108 | 1.15 | 40.82 | 93 | 1606 | 104 | 16.33 | 39.42 | 171 | 1686 | 382 | 0 | 62.3 |
| Maribo MA902 | 119 | 310.7 | 99 | 11494 | 104 | 1.03 | 42.91 | 98 | 1588 | 103 | 16.56 | 36.86 | 135 | 1570 | 331 | 0 | 79.4 |
| SV 265 | 105 | 316.1 | 101 | 11837 | 107 | 1.06 | 44.51 | 101 | 1667 | 108 | 16.87 | 37.46 | 112 | 1679 | 336 | 0 | 67.7 |
| SV 268 | 116 | 319.7 | 102 | 13255 | 120 | 1.07 | 45.56 | 104 | 1887 | 122 | 17.05 | 41.42 | 115 | 1667 | 346 | 0 | 74.7 |
| SV 285 | 111 | 319.2 | 102 | 12481 | 113 | 1.03 | 45.40 | 104 | 1773 | 115 | 16.99 | 39.19 | 117 | 1672 | 315 | 0 | 78.1 |
| SV 375 | 102 | 320.5 | 102 | 12533 | 113 | 1.05 | 45.78 | 104 | 1794 | 116 | 17.08 | 39.18 | 116 | 1646 | 335 | 0 | 74.8 |
| SX 1888 | 104 | 316.0 | 101 | 12152 | 110 | 1.14 | 44.47 | 101 | 1709 | 111 | 16.94 | 38.35 | 132 | 1753 | 370 | 0 | 66.6 |
| SX 1898 | 122 | 318.0 | 101 | 12527 | 113 | 1.07 | 45.07 | 103 | 1773 | 115 | 16.97 | 39.53 | 130 | 1699 | 329 | 0 | 69.4 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 322.6 | 103 | 12572 | 114 | 1.09 | 46.46 | 106 | 1797 | 117 | 17.21 | 39.26 | 101 | 1567 | 408 | 0 | 72.3 |
| BTS 8034 | 222 | 304.1 | 97 | 12464 | 113 | 1.06 | 40.96 | 93 | 1677 | 109 | 16.27 | 40.86 | 139 | 1692 | 340 | 0 | 70.3 |
| BTS 8073 | 207 | 306.8 | 98 | 11574 | 105 | 1.06 | 41.78 | 95 | 1567 | 102 | 16.40 | 37.92 | 90 | 1567 | 392 | 0 | 71.2 |
| BTS 8092 | 236 | 310.4 | 99 | 11034 | 100 | 0.98 | 42.85 | 98 | 1512 | 98 | 16.50 | 35.65 | 107 | 1515 | 335 | 0 | 61.5 |
| Crystal 021 | 208 | 307.8 | 98 | 12355 | 112 | 1.07 | 42.06 | 96 | 1689 | 110 | 16.45 | 40.31 | 121 | 1691 | 353 | 0 | 51.8 |
| Crystal 022 | 241 | 317.8 | 101 | 12435 | 112 | 0.99 | 45.02 | 103 | 1758 | 114 | 16.88 | 39.22 | 101 | 1516 | 349 | 0 | 66.3 |
| Crystal 025 | 244 | 308.4 | 98 | 11683 | 106 | 1.12 | 42.24 | 96 | 1594 | 103 | 16.52 | 38.14 | 114 | 1750 | 379 | 0 | 65.2 |
| Crystal 026 | 209 | 317.0 | 101 | 12184 | 110 | 1.07 | 44.78 | 102 | 1723 | 112 | 16.90 | 38.53 | 117 | 1766 | 330 | 0 | 66.0 |
| Crystal 029 | 240 | 311.0 | 99 | 11566 | 105 | 1.05 | 42.98 | 98 | 1598 | 104 | 16.59 | 37.22 | 101 | 1650 | 354 | 0 | 66.7 |
| Crystal 912 | 242 | 309.1 | 98 | 12942 | 117 | 1.06 | 42.46 | 97 | 1768 | 115 | 16.51 | 42.09 | 142 | 1487 | 388 | 0 | 66.6 |
| Hilleshög HIL2320 | 217 | 304.0 | 97 | 11288 | 102 | 1.16 | 40.93 | 93 | 1517 | 98 | 16.37 | 37.22 | 136 | 1697 | 423 | 0 | 69.1 |
| Hilleshög HIL2366 | 215 | 308.9 | 98 | 11375 | 103 | 1.05 | 42.41 | 97 | 1553 | 101 | 16.50 | 36.86 | 149 | 1557 | 360 | 0 | 73.3 |
| Hilleshög HIL2367 | 237 | 304.1 | 97 | 11268 | 102 | 1.15 | 40.97 | 93 | 1513 | 98 | 16.36 | 37.07 | 130 | 1705 | 411 | 0 | 64.1 |
| Hilleshög HIL2368 | 233 | 321.1 | 102 | 10185 | 92 | 1.07 | 46.00 | 105 | 1447 | 94 | 17.11 | 31.98 | 115 | 1608 | 374 | 0 | 63.4 |
| SV 203 | 239 | 325.3 | 104 | 11600 | 105 | 1.04 | 47.21 | 108 | 1678 | 109 | 17.31 | 35.68 | 104 | 1682 | 338 | 0 | 60.1 |
| SX 1804 | 228 | 317.2 | 101 | 12028 | 109 | 1.04 | 44.85 | 102 | 1695 | 110 | 16.88 | 38.16 | 100 | 1667 | 343 | 0 | 69.3 |
| Comm Benchmark Mean | | 313.9 | | 11061 | | 1.13 | 43.86 | | 1542 | | 16.82 | 35.35 | 132 | 1697 | 374 | | 67.7 |
| Trial Mean | | 310.4 | | 12267 | | 1.09 | 42.84 | | 1691 | | 16.61 | 39.56 | 138 | 1657 | 357 | | 69.7 |
| Coeff. of Var. (%) | | 3.0 | | 4.0 | | 7.4 | 6.3 | | 6.5 | | 2.6 | 3.4 | 15.9 | 4.8 | 13.2 | | 10.6 |
| Mean LSD (0.05) | | 11.1 | | 598 | | 0.10 | 3.25 | | 131 | | 0.51 | 1.67 | 27 | 96 | 58 | | 9.2 |
| Mean LSD (0.01) | | 14.7 | | 790 | | 0.13 | 4.29 | | 173 | | 0.68 | 2.21 | 36 | 127 | 76 | | 12.2 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Casselton ND  Bolters based upon 60,000 seed per acre.  Created 10/29/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218301

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Glyndon MN

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 307.5 | 98 | 11446 | 122 | 1.14 | 41.99 | 95 | 1565 | 119 | 16.52 | 37.21 | 134 | 1527 | 428 | 0 | 86.5 |
| BTS 8882 | 112 | 309.7 | 98 | 10475 | 112 | 1.15 | 42.63 | 97 | 1440 | 110 | 16.64 | 33.85 | 123 | 1657 | 409 | 0 | 82.3 |
| BTS 8927 | 101 | 322.5 | 102 | 10323 | 110 | 1.02 | 46.36 | 105 | 1485 | 113 | 17.15 | 32.02 | 137 | 1462 | 355 | 0 | 78.4 |
| BTS 8938 | 113 | 320.0 | 102 | 10932 | 117 | 1.15 | 45.64 | 103 | 1561 | 119 | 17.15 | 34.20 | 120 | 1500 | 449 | 0 | 72.9 |
| BTS 8961 | 110 | 312.6 | 99 | 10932 | 117 | 1.11 | 43.49 | 98 | 1519 | 116 | 16.74 | 34.98 | 133 | 1653 | 375 | 0 | 83.9 |
| Crystal 572 | 125 | 322.2 | 102 | 10165 | 108 | 1.12 | 46.30 | 105 | 1458 | 111 | 17.23 | 31.61 | 107 | 1558 | 413 | 0 | 84.1 |
| Crystal 684 | 124 | 310.1 | 98 | 11085 | 118 | 1.17 | 42.76 | 97 | 1525 | 116 | 16.68 | 35.80 | 146 | 1681 | 411 | 0 | 83.6 |
| Crystal 793 | 107 | 328.6 | 104 | 11192 | 119 | 1.00 | 48.15 | 109 | 1640 | 125 | 17.42 | 34.06 | 113 | 1491 | 337 | 0 | 84.6 |
| Crystal 796 | 108 | 313.8 | 100 | 10788 | 115 | 1.19 | 43.84 | 99 | 1505 | 114 | 16.88 | 34.40 | 134 | 1640 | 434 | 0 | 87.2 |
| Crystal 803 | 115 | 321.7 | 102 | 10978 | 117 | 1.09 | 46.13 | 104 | 1576 | 120 | 17.18 | 34.11 | 110 | 1578 | 389 | 0 | 85.7 |
| Crystal 804 | 114 | 311.7 | 99 | 11264 | 120 | 1.13 | 43.20 | 98 | 1561 | 119 | 16.71 | 36.14 | 147 | 1600 | 394 | 0 | 85.4 |
| Crystal 913 | 118 | 315.9 | 100 | 10547 | 113 | 1.07 | 44.44 | 101 | 1484 | 113 | 16.86 | 33.39 | 133 | 1575 | 359 | 0 | 83.1 |
| Hilleshög HIL2317 | 120 | 314.8 | 100 | 9464 | 101 | 1.20 | 44.13 | 100 | 1323 | 101 | 16.94 | 30.15 | 132 | 1675 | 436 | 0 | 78.9 |
| Hilleshög HIL9528 | 109 | 305.2 | 97 | 9905 | 106 | 1.18 | 41.31 | 94 | 1338 | 102 | 16.44 | 32.48 | 155 | 1603 | 432 | 0 | 77.4 |
| Hilleshög HIL9708 | 123 | 309.5 | 98 | 9741 | 104 | 1.10 | 42.56 | 96 | 1341 | 102 | 16.57 | 31.42 | 150 | 1600 | 374 | 0 | 82.8 |
| Hilleshög HIL9920 | 117 | 316.9 | 101 | 9821 | 105 | 1.19 | 44.75 | 101 | 1383 | 105 | 17.03 | 31.03 | 147 | 1702 | 418 | 0 | 77.1 |
| Maribo MA504 | 106 | 303.8 | 96 | 10096 | 108 | 1.16 | 40.91 | 93 | 1360 | 103 | 16.35 | 33.25 | 136 | 1631 | 416 | 0 | 86.7 |
| Maribo MA717 | 121 | 303.9 | 96 | 10245 | 109 | 1.20 | 40.93 | 93 | 1379 | 105 | 16.40 | 33.68 | 159 | 1599 | 452 | 0 | 79.2 |
| Maribo MA902 | 119 | 303.2 | 96 | 9404 | 100 | 1.17 | 40.73 | 92 | 1261 | 96 | 16.33 | 31.05 | 168 | 1609 | 418 | 0 | 89.1 |
| SV 265 | 105 | 320.9 | 102 | 10383 | 111 | 1.14 | 45.90 | 104 | 1484 | 113 | 17.18 | 32.43 | 118 | 1684 | 391 | 0 | 84.1 |
| SV 268 | 116 | 321.3 | 102 | 10538 | 112 | 1.14 | 46.02 | 104 | 1511 | 115 | 17.20 | 32.77 | 104 | 1694 | 393 | 0 | 87.5 |
| SV 285 | 111 | 321.7 | 102 | 10346 | 110 | 1.16 | 46.16 | 104 | 1484 | 113 | 17.25 | 32.10 | 112 | 1673 | 415 | 0 | 84.4 |
| SV 375 | 102 | 315.2 | 100 | 10282 | 110 | 1.15 | 44.25 | 100 | 1443 | 110 | 16.92 | 32.61 | 123 | 1660 | 409 | 0 | 85.9 |
| SX 1888 | 104 | 308.3 | 98 | 9525 | 102 | 1.26 | 42.21 | 96 | 1305 | 99 | 16.68 | 30.88 | 130 | 1666 | 490 | 0 | 84.6 |
| SX 1898 | 122 | 319.2 | 101 | 9783 | 104 | 1.18 | 45.41 | 103 | 1391 | 106 | 17.14 | 30.66 | 130 | 1657 | 430 | 0 | 80.2 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 324.4 | 103 | 11564 | 123 | 0.96 | 46.90 | 106 | 1677 | 128 | 17.21 | 35.10 | 106 | 1449 | 312 | 0 | 87.9 |
| BTS 8034 | 222 | 309.8 | 98 | 11040 | 118 | 1.10 | 42.67 | 97 | 1523 | 116 | 16.60 | 35.47 | 135 | 1682 | 344 | 0 | 90.0 |
| BTS 8073 | 207 | 321.4 | 102 | 11121 | 119 | 1.08 | 46.04 | 104 | 1591 | 121 | 17.16 | 34.43 | 118 | 1479 | 386 | 0 | 86.5 |
| BTS 8092 | 236 | 323.5 | 103 | 11328 | 121 | 1.09 | 46.65 | 106 | 1622 | 123 | 17.25 | 35.33 | 130 | 1438 | 401 | 0 | 92.4 |
| Crystal 021 | 208 | 313.4 | 100 | 11156 | 119 | 1.06 | 43.74 | 99 | 1559 | 119 | 16.74 | 35.43 | 136 | 1645 | 316 | 0 | 87.8 |
| Crystal 022 | 241 | 323.4 | 103 | 10121 | 108 | 1.08 | 46.62 | 106 | 1447 | 110 | 17.25 | 31.38 | 109 | 1519 | 377 | 0 | 84.9 |
| Crystal 025 | 244 | 319.3 | 101 | 10033 | 107 | 1.12 | 45.44 | 103 | 1432 | 109 | 17.09 | 31.51 | 128 | 1584 | 381 | 0 | 84.0 |
| Crystal 026 | 209 | 308.4 | 98 | 10573 | 113 | 1.23 | 42.29 | 96 | 1452 | 110 | 16.65 | 34.27 | 175 | 1710 | 419 | 0 | 87.0 |
| Crystal 029 | 240 | 316.3 | 100 | 10686 | 114 | 1.13 | 44.56 | 101 | 1496 | 114 | 16.94 | 33.55 | 122 | 1536 | 414 | 0 | 83.0 |
| Crystal 912 | 242 | 320.6 | 102 | 11619 | 124 | 1.17 | 45.81 | 104 | 1658 | 126 | 17.21 | 36.36 | 168 | 1480 | 433 | 0 | 80.6 |
| Hilleshög HIL2320 | 217 | 313.2 | 99 | 9707 | 104 | 1.19 | 43.68 | 99 | 1366 | 104 | 16.85 | 31.02 | 158 | 1606 | 420 | 0 | 86.3 |
| Hilleshög HIL2366 | 215 | 310.3 | 99 | 9611 | 103 | 1.13 | 42.81 | 97 | 1318 | 100 | 16.65 | 30.77 | 150 | 1525 | 406 | 0 | 77.6 |
| Hilleshög HIL2367 | 237 | 306.8 | 97 | 9713 | 104 | 1.22 | 41.83 | 95 | 1324 | 101 | 16.56 | 31.59 | 149 | 1602 | 444 | 0 | 90.8 |
| Hilleshög HIL2368 | 233 | 320.7 | 102 | 9191 | 98 | 1.21 | 45.84 | 104 | 1309 | 100 | 17.24 | 28.43 | 126 | 1571 | 457 | 0 | 87.5 |
| SV 203 | 239 | 325.9 | 103 | 9517 | 102 | 1.17 | 47.33 | 107 | 1380 | 105 | 17.47 | 29.13 | 118 | 1620 | 422 | 0 | 86.9 |
| SX 1804 | 228 | 325.9 | 103 | 9812 | 105 | 1.15 | 47.34 | 107 | 1435 | 109 | 17.44 | 30.03 | 118 | 1650 | 393 | 0 | 83.7 |
| Comm Benchmark Mean | | 315.0 | | 9370 | | 1.21 | 44.18 | | 1315 | | 16.96 | 29.75 | 127 | 1670 | 445 | | 84.0 |
| Trial Mean | | 314.0 | | 10204 | | 1.15 | 43.88 | | 1425 | | 16.85 | 32.51 | 133 | 1623 | 414 | | 83.0 |
| Coeff. of Var. (%) | | 2.3 | | 3.8 | | 6.1 | 4.8 | | 5.5 | | 2.0 | 3.2 | 16.9 | 4.1 | 10.1 | | 6.9 |
| Mean LSD (0.05) | | 9.1 | | 488 | | 0.09 | 2.66 | | 100 | | 0.41 | 1.34 | 28 | 82 | 53 | | 6.5 |
| Mean LSD (0.01) | | 12.0 | | 645 | | 0.12 | 3.51 | | 132 | | 0.54 | 1.77 | 37 | 109 | 71 | | 8.6 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Glyndon MN  Bolters based upon 60,000 seed per acre.  Created 10/29/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218302

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Georgetown MN

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 312.4 | 96 | 11207 | 116 | 1.19 | 43.42 | 91 | 1556 | 111 | 16.80 | 35.82 | 154 | 1575 | 449 | 0 | 86.0 |
| BTS 8882 | 112 | 314.7 | 96 | 10796 | 112 | 1.23 | 44.08 | 93 | 1509 | 107 | 16.96 | 34.33 | 163 | 1798 | 419 | 0 | 88.0 |
| BTS 8927 | 101 | 335.1 | 103 | 10940 | 113 | 0.98 | 50.07 | 105 | 1637 | 116 | 17.75 | 32.68 | 115 | 1575 | 304 | 0 | 77.3 |
| BTS 8938 | 113 | 330.1 | 101 | 10977 | 114 | 0.99 | 48.61 | 102 | 1615 | 115 | 17.49 | 33.21 | 116 | 1587 | 307 | 0 | 72.8 |
| BTS 8961 | 110 | 323.1 | 99 | 10965 | 113 | 1.17 | 46.55 | 98 | 1579 | 112 | 17.31 | 33.90 | 165 | 1723 | 385 | 0 | 85.7 |
| Crystal 572 | 125 | 323.6 | 99 | 9860 | 102 | 1.25 | 46.70 | 98 | 1420 | 101 | 17.43 | 30.51 | 136 | 1725 | 457 | 0 | 82.2 |
| Crystal 684 | 124 | 317.7 | 97 | 10756 | 111 | 1.29 | 44.98 | 95 | 1519 | 108 | 17.18 | 33.91 | 161 | 1821 | 460 | 0 | 83.6 |
| Crystal 793 | 107 | 328.8 | 101 | 10736 | 111 | 1.14 | 48.23 | 102 | 1575 | 112 | 17.59 | 32.73 | 144 | 1698 | 391 | 0 | 85.7 |
| Crystal 796 | 108 | 325.1 | 100 | 10829 | 112 | 1.21 | 47.16 | 99 | 1565 | 111 | 17.47 | 33.45 | 146 | 1790 | 406 | 0 | 86.4 |
| Crystal 803 | 115 | 327.4 | 100 | 10718 | 111 | 1.24 | 47.81 | 101 | 1562 | 111 | 17.60 | 32.77 | 139 | 1765 | 437 | 0 | 85.8 |
| Crystal 804 | 114 | 317.0 | 97 | 10907 | 113 | 1.20 | 44.76 | 94 | 1541 | 110 | 17.06 | 34.37 | 191 | 1723 | 408 | 0 | 86.2 |
| Crystal 913 | 118 | 338.8 | 104 | 10392 | 108 | 1.15 | 51.17 | 108 | 1566 | 111 | 18.10 | 30.68 | 139 | 1651 | 406 | 0 | 85.7 |
| Hilleshög HIL2317 | 120 | 338.1 | 104 | 9881 | 102 | 1.20 | 50.96 | 107 | 1484 | 105 | 18.09 | 29.32 | 159 | 1815 | 383 | 0 | 74.7 |
| Hilleshög HIL9528 | 109 | 328.3 | 101 | 9960 | 103 | 1.14 | 48.09 | 101 | 1458 | 104 | 17.56 | 30.38 | 167 | 1670 | 377 | 0 | 79.6 |
| Hilleshög HIL9708 | 123 | 329.5 | 101 | 10255 | 106 | 1.13 | 48.44 | 102 | 1506 | 107 | 17.62 | 31.20 | 149 | 1693 | 374 | 0 | 89.1 |
| Hilleshög HIL9920 | 117 | 331.7 | 102 | 9875 | 102 | 1.26 | 49.06 | 103 | 1461 | 104 | 17.83 | 29.78 | 171 | 1856 | 413 | 0 | 82.3 |
| Maribo MA504 | 106 | 315.5 | 97 | 10410 | 108 | 1.23 | 44.33 | 93 | 1466 | 104 | 17.02 | 32.94 | 199 | 1739 | 417 | 0 | 84.7 |
| Maribo MA717 | 121 | 320.0 | 98 | 10185 | 105 | 1.20 | 45.65 | 96 | 1455 | 103 | 17.20 | 31.88 | 168 | 1725 | 406 | 0 | 77.1 |
| Maribo MA902 | 119 | 328.0 | 101 | 10287 | 106 | 1.09 | 47.98 | 101 | 1505 | 107 | 17.47 | 31.31 | 142 | 1668 | 347 | 0 | 87.4 |
| SV 265 | 105 | 333.8 | 102 | 10260 | 106 | 1.16 | 49.70 | 105 | 1523 | 108 | 17.85 | 30.85 | 127 | 1779 | 372 | 0 | 83.0 |
| SV 268 | 116 | 318.9 | 98 | 10152 | 105 | 1.26 | 45.34 | 95 | 1447 | 103 | 17.20 | 31.76 | 153 | 1727 | 462 | 0 | 86.8 |
| SV 285 | 111 | 334.0 | 102 | 10196 | 105 | 1.15 | 49.74 | 105 | 1524 | 108 | 17.85 | 30.44 | 125 | 1756 | 378 | 0 | 88.6 |
| SV 375 | 102 | 324.1 | 99 | 10181 | 105 | 1.16 | 46.85 | 99 | 1468 | 104 | 17.36 | 31.50 | 126 | 1775 | 385 | 0 | 87.2 |
| SX 1888 | 104 | 323.6 | 99 | 9932 | 103 | 1.16 | 46.71 | 98 | 1427 | 101 | 17.33 | 30.74 | 137 | 1689 | 405 | 0 | 82.1 |
| SX 1898 | 122 | 325.1 | 100 | 10214 | 106 | 1.21 | 47.15 | 99 | 1484 | 105 | 17.47 | 31.42 | 142 | 1742 | 425 | 0 | 83.2 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 319.1 | 98 | 10969 | 113 | 1.05 | 45.36 | 96 | 1581 | 112 | 17.01 | 34.21 | 126 | 1661 | 322 | 0 | 87.3 |
| BTS 8034 | 222 | 317.8 | 97 | 12417 | 128 | 1.10 | 44.96 | 95 | 1768 | 126 | 16.99 | 38.97 | 155 | 1759 | 321 | 0 | 88.0 |
| BTS 8073 | 207 | 321.1 | 98 | 10522 | 109 | 1.24 | 45.96 | 97 | 1516 | 108 | 17.27 | 32.64 | 128 | 1704 | 449 | 0 | 80.6 |
| BTS 8092 | 236 | 326.0 | 100 | 11425 | 118 | 1.01 | 47.41 | 100 | 1677 | 119 | 17.31 | 34.83 | 118 | 1557 | 321 | 0 | 83.4 |
| Crystal 021 | 208 | 321.7 | 99 | 11641 | 120 | 1.18 | 46.14 | 97 | 1660 | 118 | 17.25 | 36.21 | 136 | 1778 | 382 | 0 | 84.1 |
| Crystal 022 | 241 | 331.5 | 102 | 10950 | 113 | 1.10 | 49.05 | 103 | 1616 | 115 | 17.69 | 33.07 | 110 | 1667 | 362 | 0 | 88.1 |
| Crystal 025 | 244 | 318.8 | 98 | 11346 | 117 | 1.22 | 45.27 | 95 | 1608 | 114 | 17.13 | 35.57 | 130 | 1742 | 419 | 0 | 75.9 |
| Crystal 026 | 209 | 327.7 | 100 | 10839 | 112 | 1.22 | 47.90 | 101 | 1575 | 112 | 17.59 | 33.11 | 135 | 1905 | 378 | 0 | 85.9 |
| Crystal 029 | 240 | 315.1 | 97 | 9824 | 102 | 1.15 | 44.19 | 93 | 1391 | 99 | 16.90 | 30.94 | 121 | 1693 | 387 | 0 | 85.1 |
| Crystal 912 | 242 | 317.9 | 97 | 12311 | 127 | 1.10 | 45.00 | 95 | 1743 | 124 | 17.00 | 38.70 | 149 | 1577 | 370 | 0 | 85.1 |
| Hilleshög HIL2320 | 217 | 333.5 | 102 | 10223 | 106 | 1.13 | 49.62 | 105 | 1530 | 109 | 17.81 | 30.51 | 136 | 1740 | 361 | 0 | 80.4 |
| Hilleshög HIL2366 | 215 | 332.2 | 102 | 10501 | 109 | 1.08 | 49.26 | 104 | 1565 | 111 | 17.69 | 31.49 | 127 | 1621 | 348 | 0 | 90.3 |
| Hilleshög HIL2367 | 237 | 331.6 | 102 | 10594 | 110 | 1.16 | 49.08 | 103 | 1572 | 112 | 17.74 | 31.92 | 131 | 1719 | 393 | 0 | 85.8 |
| Hilleshög HIL2368 | 233 | 339.8 | 104 | 9648 | 100 | 1.12 | 51.50 | 108 | 1472 | 105 | 18.09 | 28.29 | 133 | 1634 | 377 | 0 | 87.2 |
| SV 203 | 239 | 334.5 | 103 | 10810 | 112 | 1.13 | 49.92 | 105 | 1620 | 115 | 17.85 | 32.25 | 116 | 1762 | 362 | 0 | 84.0 |
| SX 1804 | 228 | 329.9 | 101 | 10438 | 108 | 1.15 | 48.58 | 102 | 1522 | 108 | 17.64 | 31.74 | 120 | 1729 | 378 | 0 | 87.2 |
| Comm Benchmark Mean | | 326.3 | | 9667 | | 1.20 | 47.48 | | 1407 | | 17.51 | 29.62 | 137 | 1779 | 406 | | 87.0 |
| Trial Mean | | 325.8 | | 10324 | | 1.17 | 47.35 | | 1498 | | 17.46 | 31.73 | 148 | 1730 | 396 | | 84.0 |
| Coeff. of Var. (%) | | 2.8 | | 5.1 | | 6.8 | 5.6 | | 7.0 | | 2.4 | 4.4 | 18.9 | 4.4 | 13.0 | | 6.5 |
| Mean LSD (0.05) | | 11.2 | | 671 | | 0.10 | 3.28 | | 132 | | 0.52 | 1.79 | 34 | 87 | 65 | | 6.6 |
| Mean LSD (0.01) | | 14.8 | | 887 | | 0.13 | 4.33 | | 174 | | 0.68 | 2.36 | 45 | 114 | 86 | | 8.8 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Georgetown MN Bolters based upon 60,000 seed per acre. Created 10/29/2021

%Bnch = Percentage of benchmark varieties. Trial # = 218303

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Hendrum MN

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 320.4 | 96 | 11116 | 110 | 1.05 | 45.75 | 92 | 1591 | 106 | 17.06 | 34.72 | 121 | 1508 | 375 | 0 | 90.1 |
| BTS 8882 | 112 | 323.4 | 97 | 11138 | 110 | 1.19 | 46.63 | 94 | 1611 | 107 | 17.36 | 34.45 | 133 | 1742 | 408 | 0 | 89.8 |
| BTS 8927 | 101 | 336.3 | 101 | 9786 | 97 | 1.01 | 50.41 | 102 | 1470 | 98 | 17.82 | 29.11 | 126 | 1501 | 331 | 0 | 79.7 |
| BTS 8938 | 113 | 329.1 | 99 | 11001 | 109 | 1.03 | 48.33 | 97 | 1618 | 108 | 17.48 | 33.46 | 115 | 1511 | 358 | 0 | 80.5 |
| BTS 8961 | 110 | 329.1 | 99 | 11439 | 113 | 1.09 | 48.32 | 97 | 1676 | 112 | 17.55 | 34.75 | 124 | 1656 | 355 | 0 | 84.4 |
| Crystal 572 | 125 | 336.7 | 101 | 10087 | 100 | 1.06 | 50.53 | 102 | 1516 | 101 | 17.89 | 30.00 | 107 | 1547 | 374 | 0 | 91.4 |
| Crystal 684 | 124 | 313.1 | 94 | 9990 | 99 | 1.12 | 43.61 | 88 | 1390 | 93 | 16.79 | 31.81 | 140 | 1707 | 362 | 0 | 89.1 |
| Crystal 793 | 107 | 336.9 | 101 | 10984 | 109 | 1.00 | 50.60 | 102 | 1657 | 111 | 17.85 | 32.44 | 105 | 1496 | 335 | 0 | 85.7 |
| Crystal 796 | 108 | 321.9 | 97 | 10532 | 104 | 1.13 | 46.22 | 93 | 1498 | 100 | 17.21 | 33.08 | 136 | 1677 | 382 | 0 | 87.0 |
| Crystal 803 | 115 | 332.2 | 100 | 10793 | 107 | 1.14 | 49.22 | 99 | 1611 | 107 | 17.76 | 32.18 | 115 | 1652 | 399 | 0 | 88.5 |
| Crystal 804 | 114 | 328.8 | 99 | 11093 | 110 | 1.03 | 48.24 | 97 | 1630 | 109 | 17.48 | 33.67 | 132 | 1603 | 326 | 0 | 85.7 |
| Crystal 913 | 118 | 335.5 | 101 | 10428 | 103 | 0.97 | 50.19 | 101 | 1558 | 104 | 17.75 | 31.11 | 115 | 1467 | 321 | 0 | 90.1 |
| Hilleshög HIL2317 | 120 | 319.2 | 96 | 9671 | 96 | 1.02 | 45.42 | 92 | 1363 | 91 | 16.98 | 30.53 | 156 | 1570 | 314 | 0 | 83.6 |
| Hilleshög HIL9528 | 109 | 305.3 | 92 | 8943 | 88 | 1.01 | 41.32 | 83 | 1209 | 81 | 16.26 | 29.30 | 185 | 1533 | 311 | 0 | 87.0 |
| Hilleshög HIL9708 | 123 | 316.6 | 95 | 9989 | 99 | 1.00 | 44.64 | 90 | 1414 | 94 | 16.83 | 31.36 | 162 | 1509 | 316 | 0 | 87.0 |
| Hilleshög HIL9920 | 117 | 334.1 | 100 | 10636 | 105 | 1.08 | 49.78 | 100 | 1585 | 106 | 17.79 | 31.83 | 124 | 1700 | 346 | 0 | 84.4 |
| Maribo MA504 | 106 | 320.6 | 96 | 10498 | 104 | 1.08 | 45.83 | 92 | 1488 | 99 | 17.11 | 33.03 | 157 | 1570 | 360 | 0 | 90.1 |
| Maribo MA717 | 121 | 300.4 | 90 | 8837 | 87 | 0.93 | 39.89 | 80 | 1180 | 79 | 15.95 | 29.30 | 171 | 1500 | 263 | 0 | 81.3 |
| Maribo MA902 | 119 | 317.4 | 95 | 9865 | 97 | 1.04 | 44.87 | 90 | 1391 | 93 | 16.91 | 31.20 | 161 | 1529 | 335 | 0 | 90.4 |
| SV 265 | 105 | 303.3 | 91 | 8889 | 88 | 0.92 | 40.76 | 82 | 1195 | 80 | 16.08 | 29.33 | 151 | 1477 | 268 | 0 | 87.0 |
| SV 268 | 116 | 327.2 | 98 | 10691 | 106 | 1.09 | 47.76 | 96 | 1567 | 105 | 17.46 | 32.48 | 113 | 1616 | 373 | 0 | 95.3 |
| SV 285 | 111 | 329.3 | 99 | 10264 | 101 | 1.03 | 48.38 | 98 | 1510 | 101 | 17.48 | 31.30 | 118 | 1594 | 333 | 0 | 89.8 |
| SV 375 | 102 | 326.1 | 98 | 9985 | 99 | 1.03 | 47.44 | 96 | 1456 | 97 | 17.35 | 30.35 | 117 | 1570 | 338 | 0 | 89.3 |
| SX 1888 | 104 | 325.0 | 97 | 10152 | 100 | 1.08 | 47.10 | 95 | 1471 | 98 | 17.34 | 31.17 | 118 | 1590 | 373 | 0 | 87.5 |
| SX 1898 | 122 | 327.5 | 98 | 9573 | 95 | 1.00 | 47.83 | 96 | 1402 | 94 | 17.37 | 29.18 | 116 | 1559 | 327 | 0 | 87.8 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 326.6 | 98 | 11747 | 116 | 1.01 | 47.57 | 96 | 1710 | 114 | 17.34 | 36.04 | 113 | 1548 | 356 | 0 | 87.9 |
| BTS 8034 | 222 | 324.0 | 97 | 12423 | 123 | 1.04 | 46.77 | 94 | 1787 | 119 | 17.24 | 38.47 | 125 | 1752 | 331 | 0 | 91.0 |
| BTS 8073 | 207 | 333.2 | 100 | 11242 | 111 | 1.05 | 49.53 | 100 | 1668 | 111 | 17.72 | 33.81 | 106 | 1537 | 400 | 0 | 84.0 |
| BTS 8092 | 236 | 328.6 | 99 | 12377 | 122 | 1.02 | 48.16 | 97 | 1808 | 121 | 17.46 | 37.76 | 110 | 1503 | 375 | 0 | 90.2 |
| Crystal 021 | 208 | 329.6 | 99 | 11752 | 116 | 1.08 | 48.45 | 98 | 1727 | 115 | 17.58 | 35.58 | 138 | 1691 | 363 | 0 | 83.2 |
| Crystal 022 | 241 | 339.9 | 102 | 11451 | 113 | 1.00 | 51.48 | 104 | 1725 | 115 | 17.98 | 33.89 | 109 | 1543 | 349 | 0 | 86.7 |
| Crystal 025 | 244 | 333.4 | 100 | 12063 | 119 | 1.05 | 49.59 | 100 | 1787 | 119 | 17.73 | 36.23 | 121 | 1605 | 375 | 86 | 80.9 |
| Crystal 026 | 209 | 322.6 | 97 | 11305 | 112 | 1.12 | 46.38 | 94 | 1615 | 108 | 17.25 | 35.33 | 133 | 1770 | 385 | 0 | 87.9 |
| Crystal 029 | 240 | 332.3 | 100 | 11419 | 113 | 1.06 | 49.26 | 99 | 1686 | 112 | 17.69 | 34.45 | 113 | 1603 | 387 | 0 | 91.0 |
| Crystal 912 | 242 | 329.5 | 99 | 12637 | 125 | 1.00 | 48.40 | 98 | 1845 | 123 | 17.47 | 38.51 | 124 | 1490 | 356 | 0 | 88.7 |
| Hilleshög HIL2320 | 217 | 314.0 | 94 | 9803 | 97 | 1.03 | 43.85 | 88 | 1367 | 91 | 16.73 | 31.24 | 147 | 1593 | 344 | 0 | 90.6 |
| Hilleshög HIL2366 | 215 | 329.1 | 99 | 10851 | 107 | 0.98 | 48.29 | 97 | 1589 | 106 | 17.42 | 33.08 | 113 | 1524 | 341 | 0 | 89.5 |
| Hilleshög HIL2367 | 237 | 327.9 | 98 | 10120 | 100 | 1.02 | 47.96 | 97 | 1477 | 99 | 17.41 | 30.93 | 127 | 1551 | 354 | 0 | 88.7 |
| Hilleshög HIL2368 | 233 | 332.9 | 100 | 9615 | 95 | 1.03 | 49.42 | 100 | 1429 | 95 | 17.68 | 28.89 | 118 | 1511 | 378 | 0 | 94.9 |
| SV 203 | 239 | 330.4 | 99 | 10346 | 102 | 1.07 | 48.70 | 98 | 1519 | 101 | 17.60 | 31.43 | 109 | 1672 | 377 | 0 | 90.2 |
| SX 1804 | 228 | 319.6 | 96 | 10154 | 100 | 1.07 | 45.52 | 92 | 1441 | 96 | 17.04 | 31.86 | 129 | 1653 | 381 | 0 | 89.1 |
| Comm Benchmark Mean | | 333.5 | | 10118 | | 1.12 | 49.59 | | 1499 | | 17.79 | 30.46 | 124 | 1657 | 380 | | 85.2 |
| Trial Mean | | 324.6 | | 10233 | | 1.06 | 47.00 | | 1482 | | 17.29 | 31.52 | 133 | 1591 | 348 | | 87.0 |
| Coeff. of Var. (%) | | 3.1 | | 7.2 | | 6.8 | 6.3 | | 9.2 | | 2.9 | 6.4 | 19.9 | 4.0 | 12.2 | | 6.2 |
| Mean LSD (0.05) | | 11.8 | | 914 | | 0.09 | 3.45 | | 164 | | 0.59 | 2.51 | 33 | 77 | 53 | | 6.2 |
| Mean LSD (0.01) | | 15.6 | | 1207 | | 0.12 | 4.56 | | 217 | | 0.78 | 3.31 | 43 | 102 | 70 | | 8.2 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Hendrum MN  Bolters based upon 60,000 seed per acre.  Created 11/01/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218304

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Hillsboro ND

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 260.2 | 96 | 8399 | 107 | 1.27 | 28.12 | 91 | 911 | 101 | 14.28 | 32.24 | 148 | 1797 | 451 | 0 | 84.8 |
| BTS 8882 | 112 | 256.6 | 95 | 8148 | 104 | 1.34 | 27.08 | 87 | 862 | 96 | 14.17 | 31.68 | 171 | 1921 | 464 | 0 | 81.9 |
| BTS 8927 | 101 | 282.7 | 105 | 8170 | 104 | 1.13 | 34.72 | 112 | 1004 | 111 | 15.27 | 28.88 | 131 | 1644 | 393 | 0 | 71.4 |
| BTS 8938 | 113 | 270.1 | 100 | 8078 | 103 | 1.17 | 31.02 | 100 | 931 | 103 | 14.67 | 29.88 | 131 | 1678 | 412 | 0 | 67.8 |
| BTS 8961 | 110 | 262.8 | 97 | 7816 | 100 | 1.33 | 28.89 | 93 | 863 | 96 | 14.47 | 29.61 | 159 | 1881 | 470 | 0 | 79.4 |
| Crystal 572 | 125 | 274.5 | 102 | 7886 | 101 | 1.23 | 32.31 | 104 | 928 | 103 | 14.96 | 28.66 | 129 | 1718 | 450 | 0 | 81.4 |
| Crystal 684 | 124 | 260.1 | 96 | 8495 | 108 | 1.30 | 28.10 | 91 | 924 | 102 | 14.30 | 32.51 | 161 | 1887 | 444 | 0 | 82.5 |
| Crystal 793 | 107 | 276.9 | 103 | 8565 | 109 | 1.16 | 33.00 | 106 | 1022 | 113 | 15.00 | 30.95 | 125 | 1721 | 400 | 0 | 84.2 |
| Crystal 796 | 108 | 260.5 | 96 | 8455 | 108 | 1.35 | 28.19 | 91 | 918 | 102 | 14.37 | 32.41 | 170 | 1912 | 476 | 0 | 82.2 |
| Crystal 803 | 115 | 284.5 | 105 | 8734 | 111 | 1.21 | 35.24 | 114 | 1080 | 120 | 15.44 | 30.78 | 114 | 1730 | 435 | 0 | 78.4 |
| Crystal 804 | 114 | 264.5 | 98 | 9169 | 117 | 1.23 | 29.37 | 95 | 1022 | 113 | 14.46 | 34.56 | 147 | 1782 | 427 | 0 | 83.7 |
| Crystal 913 | 118 | 277.3 | 103 | 8176 | 104 | 1.18 | 33.13 | 107 | 979 | 109 | 15.04 | 29.54 | 120 | 1666 | 424 | 0 | 78.9 |
| Hilleshög HIL2317 | 120 | 273.0 | 101 | 7703 | 98 | 1.24 | 31.87 | 103 | 901 | 100 | 14.89 | 28.16 | 154 | 1912 | 397 | 0 | 73.2 |
| Hilleshög HIL9528 | 109 | 265.0 | 98 | 7673 | 98 | 1.24 | 29.53 | 95 | 856 | 95 | 14.49 | 28.94 | 171 | 1795 | 420 | 0 | 77.6 |
| Hilleshög HIL9708 | 123 | 272.0 | 101 | 7424 | 95 | 1.24 | 31.59 | 102 | 861 | 96 | 14.84 | 27.32 | 163 | 1784 | 426 | 0 | 76.2 |
| Hilleshög HIL9920 | 117 | 271.4 | 100 | 7799 | 100 | 1.27 | 31.40 | 101 | 905 | 100 | 14.83 | 28.69 | 154 | 1970 | 402 | 0 | 73.8 |
| Maribo MA504 | 106 | 256.7 | 95 | 7354 | 94 | 1.32 | 27.11 | 87 | 780 | 86 | 14.17 | 28.59 | 184 | 1886 | 459 | 0 | 77.2 |
| Maribo MA717 | 121 | 266.7 | 99 | 8108 | 103 | 1.28 | 30.03 | 97 | 912 | 101 | 14.62 | 30.38 | 152 | 1875 | 441 | 0 | 71.2 |
| Maribo MA902 | 119 | 269.0 | 100 | 7633 | 97 | 1.28 | 30.70 | 99 | 872 | 97 | 14.73 | 28.31 | 176 | 1850 | 434 | 0 | 76.0 |
| SV 265 | 105 | 265.0 | 98 | 7433 | 95 | 1.21 | 29.53 | 95 | 825 | 92 | 14.47 | 28.16 | 137 | 1850 | 401 | 0 | 74.7 |
| SV 268 | 116 | 269.4 | 100 | 7908 | 101 | 1.25 | 30.83 | 99 | 903 | 100 | 14.73 | 29.32 | 131 | 1893 | 422 | 0 | 73.0 |
| SV 285 | 111 | 281.5 | 104 | 8200 | 105 | 1.26 | 34.36 | 111 | 1005 | 112 | 15.34 | 29.00 | 127 | 1924 | 420 | 0 | 73.5 |
| SV 375 | 102 | 271.7 | 101 | 8118 | 104 | 1.28 | 31.50 | 102 | 944 | 105 | 14.86 | 29.85 | 123 | 1909 | 439 | 0 | 78.8 |
| SX 1888 | 104 | 272.3 | 101 | 8159 | 104 | 1.28 | 31.68 | 102 | 957 | 106 | 14.89 | 29.76 | 128 | 1892 | 440 | 0 | 79.4 |
| SX 1898 | 122 | 273.2 | 101 | 8224 | 105 | 1.26 | 31.94 | 103 | 963 | 107 | 14.93 | 30.07 | 134 | 1925 | 420 | 0 | 74.0 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 277.6 | 103 | 9420 | 120 | 1.14 | 33.28 | 107 | 1131 | 126 | 15.02 | 33.62 | 131 | 1617 | 461 | 0 | 81.7 |
| BTS 8034 | 222 | 260.9 | 97 | 9292 | 119 | 1.31 | 28.29 | 91 | 1020 | 113 | 14.36 | 35.23 | 174 | 1950 | 495 | 0 | 81.9 |
| BTS 8073 | 207 | 270.6 | 100 | 8723 | 111 | 1.16 | 31.16 | 101 | 1019 | 113 | 14.67 | 31.98 | 127 | 1684 | 455 | 0 | 86.3 |
| BTS 8092 | 236 | 262.3 | 97 | 9141 | 117 | 1.19 | 28.68 | 93 | 1006 | 112 | 14.29 | 34.61 | 173 | 1685 | 457 | 0 | 77.9 |
| Crystal 021 | 208 | 265.5 | 98 | 8933 | 114 | 1.28 | 29.65 | 96 | 1001 | 111 | 14.54 | 33.50 | 162 | 1870 | 485 | 0 | 75.6 |
| Crystal 022 | 241 | 283.0 | 105 | 8937 | 114 | 1.20 | 34.88 | 112 | 1109 | 123 | 15.34 | 31.49 | 123 | 1631 | 507 | 0 | 78.4 |
| Crystal 025 | 244 | 279.8 | 104 | 9210 | 118 | 1.11 | 33.92 | 109 | 1130 | 125 | 15.08 | 32.50 | 132 | 1734 | 395 | 0 | 79.7 |
| Crystal 026 | 209 | 260.2 | 96 | 9521 | 122 | 1.30 | 28.09 | 91 | 1026 | 114 | 14.31 | 36.37 | 156 | 1889 | 506 | 0 | 76.5 |
| Crystal 029 | 240 | 278.5 | 103 | 8641 | 110 | 1.17 | 33.54 | 108 | 1042 | 116 | 15.09 | 31.05 | 130 | 1732 | 456 | 0 | 81.2 |
| Crystal 912 | 242 | 269.4 | 100 | 9970 | 127 | 1.13 | 30.81 | 99 | 1147 | 127 | 14.57 | 36.87 | 178 | 1637 | 412 | 0 | 84.4 |
| Hilleshög HIL2320 | 217 | 266.0 | 99 | 8430 | 108 | 1.24 | 29.79 | 96 | 961 | 107 | 14.51 | 31.38 | 171 | 1855 | 443 | 0 | 79.8 |
| Hilleshög HIL2366 | 215 | 283.7 | 105 | 8316 | 106 | 1.16 | 35.07 | 113 | 1028 | 114 | 15.34 | 29.33 | 159 | 1769 | 435 | 0 | 89.5 |
| Hilleshög HIL2367 | 237 | 277.1 | 103 | 8193 | 105 | 1.23 | 33.12 | 107 | 986 | 109 | 15.08 | 29.37 | 157 | 1768 | 476 | 0 | 81.0 |
| Hilleshög HIL2368 | 233 | 278.5 | 103 | 7505 | 96 | 1.25 | 33.55 | 108 | 906 | 101 | 15.18 | 26.69 | 173 | 1811 | 486 | 0 | 79.9 |
| SV 203 | 239 | 278.3 | 103 | 9061 | 116 | 1.21 | 33.48 | 108 | 1098 | 122 | 15.12 | 32.36 | 133 | 1920 | 438 | 0 | 76.5 |
| SX 1804 | 228 | 268.7 | 100 | 8094 | 103 | 1.27 | 30.63 | 99 | 927 | 103 | 14.69 | 29.92 | 139 | 1882 | 482 | 0 | 77.5 |
| Comm Benchmark Mean | | 270.1 | | 7836 | | 1.31 | 31.01 | | 901 | | 14.81 | 29.00 | 145 | 1868 | 466 | | 80.2 |
| Trial Mean | | 268.9 | | 8011 | | 1.26 | 30.67 | | 915 | | 14.71 | 29.77 | 147 | 1839 | 434 | | 78.1 |
| Coeff. of Var. (%) | | 3.2 | | 7.1 | | 5.9 | 8.3 | | 10.3 | | 2.8 | 6.5 | 14.1 | 4.0 | 9.9 | | 8.9 |
| Mean LSD (0.05) | | 10.8 | | 710 | | 0.09 | 3.15 | | 118 | | 0.52 | 2.38 | 26 | 91 | 53 | | 8.1 |
| Mean LSD (0.01) | | 14.2 | | 937 | | 0.12 | 4.16 | | 156 | | 0.68 | 3.15 | 34 | 121 | 70 | | 10.7 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Hillsboro ND  Bolters based upon 60,000 seed per acre.  Created 10/29/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218305

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Grand Forks ND

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 356.6 | 96 | 13548 | 117 | 0.97 | 56.37 | 94 | 2140 | 113 | 18.80 | 38.10 | 104 | 1457 | 329 | 0 | 78.8 |
| BTS 8882 | 112 | 365.3 | 99 | 14200 | 123 | 0.98 | 58.91 | 98 | 2282 | 121 | 19.24 | 38.90 | 114 | 1638 | 282 | 0 | 81.5 |
| BTS 8927 | 101 | 378.8 | 102 | 12615 | 109 | 0.85 | 62.88 | 104 | 2100 | 111 | 19.80 | 33.32 | 86 | 1393 | 260 | 0 | 69.8 |
| BTS 8938 | 113 | 366.7 | 99 | 12644 | 109 | 0.91 | 59.33 | 98 | 2044 | 108 | 19.24 | 34.53 | 100 | 1453 | 282 | 0 | 75.6 |
| BTS 8961 | 110 | 367.1 | 99 | 12484 | 108 | 0.96 | 59.45 | 99 | 2021 | 107 | 19.31 | 34.01 | 109 | 1597 | 280 | 0 | 79.2 |
| Crystal 572 | 125 | 368.5 | 100 | 12653 | 109 | 0.98 | 59.87 | 99 | 2055 | 109 | 19.40 | 34.21 | 87 | 1476 | 329 | 0 | 83.9 |
| Crystal 684 | 124 | 357.4 | 97 | 14000 | 121 | 1.03 | 56.62 | 94 | 2206 | 117 | 18.90 | 39.45 | 114 | 1616 | 327 | 0 | 81.7 |
| Crystal 793 | 107 | 362.8 | 98 | 13122 | 113 | 0.97 | 58.18 | 97 | 2099 | 111 | 19.10 | 36.23 | 107 | 1502 | 311 | 0 | 77.5 |
| Crystal 796 | 108 | 354.6 | 96 | 12756 | 110 | 0.97 | 55.78 | 93 | 2007 | 106 | 18.69 | 35.93 | 105 | 1558 | 294 | 0 | 85.6 |
| Crystal 803 | 115 | 369.2 | 100 | 13274 | 115 | 0.91 | 60.08 | 100 | 2161 | 115 | 19.37 | 35.73 | 93 | 1505 | 269 | 0 | 84.2 |
| Crystal 804 | 114 | 350.5 | 95 | 13943 | 120 | 1.02 | 54.58 | 91 | 2165 | 115 | 18.54 | 39.82 | 136 | 1567 | 330 | 0 | 80.1 |
| Crystal 913 | 118 | 366.8 | 99 | 12603 | 109 | 0.90 | 59.38 | 99 | 2042 | 108 | 19.25 | 34.30 | 106 | 1459 | 273 | 0 | 78.5 |
| Hilleshög HIL2317 | 120 | 375.8 | 102 | 12463 | 108 | 0.93 | 62.00 | 103 | 2051 | 109 | 19.71 | 33.20 | 104 | 1579 | 262 | 0 | 76.2 |
| Hilleshög HIL9528 | 109 | 362.2 | 98 | 12244 | 106 | 0.97 | 58.03 | 96 | 1954 | 104 | 19.07 | 33.91 | 107 | 1548 | 303 | 0 | 70.6 |
| Hilleshög HIL9708 | 123 | 366.1 | 99 | 12018 | 104 | 0.95 | 59.17 | 98 | 1939 | 103 | 19.26 | 33.00 | 108 | 1501 | 299 | 0 | 77.5 |
| Hilleshög HIL9920 | 117 | 367.7 | 99 | 12588 | 109 | 0.99 | 59.62 | 99 | 2041 | 108 | 19.37 | 34.15 | 119 | 1669 | 279 | 0 | 74.5 |
| Maribo MA504 | 106 | 354.1 | 96 | 12921 | 112 | 1.03 | 55.64 | 92 | 2031 | 108 | 18.74 | 36.44 | 113 | 1624 | 328 | 0 | 78.3 |
| Maribo MA717 | 121 | 341.4 | 92 | 12384 | 107 | 1.05 | 51.91 | 86 | 1879 | 100 | 18.11 | 36.16 | 122 | 1611 | 339 | 0 | 75.8 |
| Maribo MA902 | 119 | 354.0 | 96 | 12090 | 104 | 1.04 | 55.62 | 92 | 1900 | 101 | 18.74 | 34.24 | 119 | 1569 | 345 | 0 | 85.4 |
| SV 265 | 105 | 365.3 | 99 | 12542 | 108 | 0.88 | 58.92 | 98 | 2021 | 107 | 19.14 | 34.27 | 85 | 1473 | 263 | 0 | 81.8 |
| SV 268 | 116 | 369.3 | 100 | 12842 | 111 | 0.95 | 60.08 | 100 | 2092 | 111 | 19.43 | 34.92 | 89 | 1589 | 285 | 0 | 82.0 |
| SV 285 | 111 | 372.3 | 101 | 12095 | 104 | 0.93 | 60.98 | 101 | 1979 | 105 | 19.55 | 32.58 | 87 | 1541 | 281 | 0 | 81.1 |
| SV 375 | 102 | 369.2 | 100 | 13124 | 113 | 0.93 | 60.07 | 100 | 2131 | 113 | 19.40 | 35.76 | 97 | 1520 | 284 | 0 | 82.3 |
| SX 1888 | 104 | 365.2 | 99 | 11788 | 102 | 0.94 | 58.89 | 98 | 1900 | 101 | 19.20 | 32.35 | 89 | 1539 | 289 | 0 | 75.5 |
| SX 1898 | 122 | 370.4 | 100 | 12138 | 105 | 0.97 | 60.41 | 100 | 1986 | 105 | 19.50 | 32.72 | 89 | 1592 | 298 | 0 | 79.3 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 370.3 | 100 | 12385 | 107 | 0.99 | 60.39 | 100 | 2023 | 107 | 19.51 | 33.40 | 105 | 1564 | 305 | 0 | 84.8 |
| BTS 8034 | 222 | 348.2 | 94 | 12684 | 109 | 1.11 | 53.88 | 89 | 1971 | 104 | 18.54 | 36.28 | 132 | 1752 | 332 | 0 | 87.2 |
| BTS 8073 | 207 | 358.4 | 97 | 12278 | 106 | 1.03 | 56.89 | 94 | 1949 | 103 | 18.96 | 34.29 | 110 | 1548 | 330 | 0 | 85.9 |
| BTS 8092 | 236 | 371.0 | 100 | 12968 | 112 | 0.91 | 60.60 | 101 | 2123 | 113 | 19.47 | 34.90 | 110 | 1440 | 277 | 0 | 85.6 |
| Crystal 021 | 208 | 358.1 | 97 | 13534 | 117 | 1.00 | 56.79 | 94 | 2149 | 114 | 18.92 | 37.76 | 111 | 1606 | 296 | 0 | 81.3 |
| Crystal 022 | 241 | 374.7 | 101 | 12324 | 106 | 0.92 | 61.67 | 102 | 2030 | 108 | 19.67 | 32.89 | 92 | 1417 | 291 | 0 | 77.4 |
| Crystal 025 | 244 | 362.1 | 98 | 12394 | 107 | 1.07 | 57.96 | 96 | 1985 | 105 | 19.18 | 34.26 | 113 | 1602 | 348 | 0 | 82.1 |
| Crystal 026 | 209 | 357.2 | 97 | 12999 | 112 | 1.03 | 56.53 | 94 | 2059 | 109 | 18.90 | 36.38 | 126 | 1704 | 282 | 0 | 86.0 |
| Crystal 029 | 240 | 360.0 | 97 | 12144 | 105 | 1.03 | 57.34 | 95 | 1935 | 103 | 19.01 | 33.77 | 103 | 1568 | 327 | 0 | 89.0 |
| Crystal 912 | 242 | 353.7 | 96 | 13233 | 114 | 1.02 | 55.50 | 92 | 2078 | 110 | 18.71 | 37.44 | 123 | 1418 | 353 | 0 | 84.8 |
| Hilleshög HIL2320 | 217 | 346.4 | 94 | 11402 | 98 | 1.09 | 53.37 | 89 | 1757 | 93 | 18.42 | 32.95 | 127 | 1628 | 349 | 0 | 83.2 |
| Hilleshög HIL2366 | 215 | 363.4 | 98 | 11518 | 99 | 1.00 | 58.35 | 97 | 1850 | 98 | 19.16 | 31.72 | 106 | 1550 | 309 | 0 | 87.5 |
| Hilleshög HIL2367 | 237 | 361.8 | 98 | 11687 | 101 | 1.03 | 57.87 | 96 | 1871 | 99 | 19.11 | 32.33 | 105 | 1566 | 324 | 0 | 82.9 |
| Hilleshög HIL2368 | 233 | 366.7 | 99 | 10515 | 91 | 1.02 | 59.32 | 98 | 1702 | 90 | 19.38 | 28.69 | 112 | 1500 | 326 | 0 | 86.3 |
| SV 203 | 239 | 368.3 | 100 | 11044 | 95 | 0.97 | 59.78 | 99 | 1795 | 95 | 19.42 | 29.98 | 92 | 1596 | 282 | 0 | 83.2 |
| SX 1804 | 228 | 366.0 | 99 | 12419 | 107 | 0.95 | 59.11 | 98 | 2005 | 106 | 19.26 | 33.95 | 91 | 1519 | 282 | 0 | 87.5 |
| Comm Benchmark Mean | | 369.9 | | 11585 | | 1.03 | 60.26 | | 1887 | | 19.53 | 31.36 | 102 | 1613 | 334 | | 77.1 |
| Trial Mean | | 364.8 | | 12580 | | 0.97 | 58.77 | | 2023 | | 19.21 | 34.55 | 104 | 1552 | 301 | | 78.8 |
| Coeff. of Var. (%) | | 2.8 | | 4.0 | | 6.8 | 5.0 | | 5.5 | | 2.5 | 3.6 | 13.8 | 4.4 | 13.0 | | 7.6 |
| Mean LSD (0.05) | | 12.7 | | 631 | | 0.08 | 3.72 | | 138 | | 0.62 | 1.60 | 17 | 81 | 49 | | 7.3 |
| Mean LSD (0.01) | | 16.8 | | 833 | | 0.11 | 4.92 | | 183 | | 0.81 | 2.12 | 23 | 107 | 65 | | 9.6 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Grand Forks ND  Bolters based upon 60,000 seed per acre.  Created 10/29/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218307

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Scandia MN

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 341.4 | 96 | 11577 | 121 | 1.26 | 51.92 | 92 | 1742 | 115 | 18.32 | 34.30 | 143 | 1478 | 530 | 0 | 91.2 |
| BTS 8882 | 112 | 340.8 | 95 | 10857 | 113 | 1.50 | 51.76 | 91 | 1635 | 108 | 18.54 | 32.12 | 165 | 1691 | 655 | 0 | 87.4 |
| BTS 8927 | 101 | 371.3 | 104 | 10857 | 113 | 1.17 | 60.69 | 107 | 1774 | 117 | 19.75 | 29.15 | 116 | 1471 | 475 | 0 | 80.2 |
| BTS 8938 | 113 | 356.4 | 100 | 11261 | 118 | 1.16 | 56.32 | 99 | 1777 | 117 | 18.97 | 31.69 | 106 | 1373 | 492 | 0 | 75.7 |
| BTS 8961 | 110 | 354.1 | 99 | 11098 | 116 | 1.21 | 55.65 | 98 | 1742 | 115 | 18.93 | 31.25 | 128 | 1613 | 465 | 0 | 87.5 |
| Crystal 572 | 125 | 360.1 | 101 | 10505 | 110 | 1.19 | 57.40 | 101 | 1682 | 111 | 19.19 | 29.10 | 114 | 1462 | 493 | 0 | 91.3 |
| Crystal 684 | 124 | 347.8 | 97 | 11520 | 120 | 1.22 | 53.78 | 95 | 1788 | 118 | 18.61 | 33.13 | 139 | 1651 | 454 | 0 | 86.9 |
| Crystal 793 | 107 | 368.1 | 103 | 11524 | 120 | 1.24 | 59.75 | 106 | 1863 | 123 | 19.65 | 31.35 | 119 | 1505 | 517 | 0 | 88.8 |
| Crystal 796 | 108 | 352.7 | 99 | 11604 | 121 | 1.26 | 55.22 | 98 | 1807 | 119 | 18.91 | 33.00 | 132 | 1574 | 510 | 0 | 87.9 |
| Crystal 803 | 115 | 364.4 | 102 | 11058 | 115 | 1.19 | 58.66 | 104 | 1774 | 117 | 19.41 | 30.41 | 114 | 1554 | 469 | 0 | 90.0 |
| Crystal 804 | 114 | 352.6 | 99 | 11409 | 119 | 1.15 | 55.20 | 98 | 1774 | 117 | 18.78 | 32.55 | 143 | 1510 | 438 | 0 | 85.5 |
| Crystal 913 | 118 | 370.9 | 104 | 11220 | 117 | 1.11 | 60.57 | 107 | 1827 | 120 | 19.65 | 30.39 | 122 | 1452 | 431 | 0 | 86.6 |
| Hilleshög HIL2317 | 120 | 357.2 | 100 | 10247 | 107 | 1.24 | 56.54 | 100 | 1634 | 108 | 19.09 | 28.59 | 143 | 1612 | 482 | 0 | 82.1 |
| Hilleshög HIL9528 | 109 | 329.3 | 92 | 9710 | 101 | 1.26 | 48.37 | 85 | 1439 | 95 | 17.71 | 29.57 | 176 | 1508 | 512 | 0 | 87.3 |
| Hilleshög HIL9708 | 123 | 348.9 | 98 | 10031 | 105 | 1.17 | 54.13 | 96 | 1558 | 103 | 18.64 | 28.47 | 146 | 1562 | 441 | 0 | 89.1 |
| Hilleshög HIL9920 | 117 | 362.7 | 101 | 10015 | 105 | 1.28 | 58.15 | 103 | 1607 | 106 | 19.41 | 27.74 | 130 | 1606 | 518 | 0 | 85.6 |
| Maribo MA504 | 106 | 338.0 | 95 | 9507 | 99 | 1.39 | 50.92 | 90 | 1425 | 94 | 18.29 | 28.01 | 158 | 1617 | 588 | 0 | 86.1 |
| Maribo MA717 | 121 | 333.4 | 93 | 10512 | 110 | 1.28 | 49.58 | 88 | 1570 | 103 | 17.94 | 31.67 | 164 | 1631 | 499 | 0 | 81.0 |
| Maribo MA902 | 119 | 355.0 | 99 | 10035 | 105 | 1.16 | 55.92 | 99 | 1586 | 104 | 18.91 | 28.09 | 154 | 1529 | 433 | 0 | 90.5 |
| SV 265 | 105 | 328.3 | 92 | 9260 | 97 | 1.21 | 48.08 | 85 | 1356 | 89 | 17.62 | 28.16 | 138 | 1469 | 498 | 0 | 90.0 |
| SV 268 | 116 | 354.6 | 99 | 10484 | 109 | 1.25 | 55.79 | 99 | 1657 | 109 | 18.97 | 29.66 | 119 | 1643 | 490 | 0 | 90.4 |
| SV 285 | 111 | 350.9 | 98 | 10547 | 110 | 1.18 | 54.70 | 97 | 1646 | 108 | 18.72 | 30.02 | 121 | 1552 | 456 | 0 | 91.3 |
| SV 375 | 102 | 355.9 | 100 | 9635 | 101 | 1.11 | 56.18 | 99 | 1517 | 100 | 18.90 | 27.23 | 120 | 1550 | 403 | 0 | 89.6 |
| SX 1888 | 104 | 344.5 | 96 | 10012 | 104 | 1.31 | 52.82 | 93 | 1523 | 100 | 18.54 | 29.15 | 133 | 1618 | 534 | 0 | 84.3 |
| SX 1898 | 122 | 359.6 | 101 | 10149 | 106 | 1.21 | 57.24 | 101 | 1609 | 106 | 19.20 | 28.21 | 114 | 1602 | 472 | 0 | 87.5 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 359.2 | 101 | 11310 | 118 | 1.23 | 57.14 | 101 | 1798 | 118 | 19.27 | 31.29 | 130 | 1503 | 441 | 0 | 92.2 |
| BTS 8034 | 222 | 345.2 | 97 | 12226 | 128 | 1.30 | 53.08 | 94 | 1863 | 123 | 18.50 | 35.63 | 138 | 1640 | 448 | 0 | 93.0 |
| BTS 8073 | 207 | 359.7 | 101 | 11383 | 119 | 1.31 | 57.26 | 101 | 1817 | 120 | 19.32 | 31.64 | 119 | 1587 | 484 | 0 | 86.3 |
| BTS 8092 | 236 | 355.8 | 100 | 12035 | 126 | 1.15 | 56.15 | 99 | 1887 | 124 | 18.96 | 34.01 | 121 | 1482 | 390 | 0 | 91.8 |
| Crystal 021 | 208 | 354.5 | 99 | 11880 | 124 | 1.27 | 55.77 | 99 | 1858 | 122 | 18.98 | 33.66 | 133 | 1618 | 437 | 0 | 86.7 |
| Crystal 022 | 241 | 365.0 | 102 | 10625 | 111 | 1.31 | 58.79 | 104 | 1709 | 113 | 19.55 | 29.13 | 149 | 1473 | 501 | 0 | 86.7 |
| Crystal 025 | 244 | 353.8 | 99 | 10524 | 110 | 1.27 | 55.59 | 98 | 1629 | 107 | 18.95 | 30.15 | 133 | 1675 | 423 | 0 | 86.3 |
| Crystal 026 | 209 | 346.4 | 97 | 12472 | 130 | 1.40 | 53.44 | 94 | 1918 | 126 | 18.76 | 35.99 | 144 | 1776 | 484 | 0 | 90.6 |
| Crystal 029 | 240 | 366.4 | 103 | 10767 | 112 | 1.22 | 59.21 | 105 | 1761 | 116 | 19.61 | 28.87 | 102 | 1550 | 441 | 0 | 95.3 |
| Crystal 912 | 242 | 361.6 | 101 | 13143 | 137 | 1.24 | 57.81 | 102 | 2086 | 137 | 19.33 | 36.46 | 160 | 1466 | 453 | 0 | 87.9 |
| Hilleshög HIL2320 | 217 | 340.4 | 95 | 10248 | 107 | 1.42 | 51.71 | 91 | 1562 | 103 | 18.44 | 30.08 | 151 | 1589 | 543 | 0 | 94.9 |
| Hilleshög HIL2366 | 215 | 345.4 | 97 | 11301 | 118 | 1.31 | 53.14 | 94 | 1737 | 114 | 18.63 | 32.43 | 155 | 1549 | 473 | 0 | 95.7 |
| Hilleshög HIL2367 | 237 | 335.3 | 94 | 10648 | 111 | 1.49 | 50.23 | 89 | 1612 | 106 | 18.32 | 31.35 | 153 | 1617 | 590 | 0 | 87.5 |
| Hilleshög HIL2368 | 233 | 364.6 | 102 | 9877 | 103 | 1.21 | 58.69 | 104 | 1589 | 105 | 19.48 | 26.96 | 120 | 1537 | 426 | 0 | 89.5 |
| SV 203 | 239 | 354.9 | 99 | 10533 | 110 | 1.27 | 55.88 | 99 | 1672 | 110 | 19.04 | 29.33 | 122 | 1672 | 425 | 0 | 88.3 |
| SX 1804 | 228 | 352.4 | 99 | 11277 | 118 | 1.22 | 55.15 | 97 | 1762 | 116 | 18.87 | 32.01 | 116 | 1556 | 425 | 0 | 91.4 |
| Comm Benchmark Mean | | 357.4 | | 9582 | | 1.36 | 56.61 | | 1519 | | 19.23 | 26.81 | 125 | 1627 | 572 | | 87.8 |
| Trial Mean | | 352.9 | | 10404 | | 1.24 | 55.27 | | 1628 | | 18.89 | 29.53 | 133 | 1560 | 500 | | 86.9 |
| Coeff. of Var. (%) | | 3.4 | | 6.9 | | 13.7 | 6.4 | | 8.5 | | 2.9 | 6.4 | 18.4 | 4.6 | 23.1 | | 5.4 |
| Mean LSD (0.05) | | 14.9 | | 870 | | 0.21 | 4.37 | | 164 | | 0.67 | 2.36 | 30 | 88 | 141 | | 5.6 |
| Mean LSD (0.01) | | 19.7 | | 1149 | | 0.27 | 5.77 | | 216 | | 0.88 | 3.12 | 39 | 116 | 186 | | 7.4 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Scandia MN  Bolters based upon 60,000 seed per acre.  Created 10/29/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218308

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Climax MN

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 297.2 | 96 | 9774 | 113 | 1.10 | 38.97 | 91 | 1278 | 107 | 15.97 | 33.00 | 159 | 1272 | 460 | 0 | 71.7 |
| BTS 8882 | 112 | 299.1 | 96 | 9899 | 114 | 1.24 | 39.51 | 92 | 1307 | 110 | 16.20 | 33.10 | 162 | 1445 | 517 | 0 | 72.5 |
| BTS 8927 | 101 | 323.2 | 104 | 9296 | 108 | 1.02 | 46.60 | 109 | 1346 | 113 | 17.18 | 28.61 | 127 | 1263 | 410 | 0 | 57.5 |
| BTS 8938 | 113 | 313.5 | 101 | 9496 | 110 | 1.11 | 43.73 | 102 | 1326 | 111 | 16.77 | 30.23 | 142 | 1305 | 462 | 0 | 56.2 |
| BTS 8961 | 110 | 304.1 | 98 | 10008 | 116 | 1.15 | 40.99 | 96 | 1352 | 113 | 16.36 | 32.92 | 162 | 1397 | 457 | 0 | 62.7 |
| Crystal 572 | 125 | 311.0 | 100 | 9377 | 108 | 1.11 | 43.00 | 101 | 1295 | 109 | 16.67 | 30.20 | 141 | 1295 | 467 | 28 | 68.8 |
| Crystal 684 | 124 | 303.9 | 98 | 9865 | 114 | 1.17 | 40.94 | 96 | 1320 | 111 | 16.37 | 32.64 | 155 | 1432 | 471 | 0 | 69.0 |
| Crystal 793 | 107 | 315.0 | 102 | 9264 | 107 | 1.04 | 44.17 | 103 | 1299 | 109 | 16.79 | 29.39 | 125 | 1286 | 421 | 0 | 68.7 |
| Crystal 796 | 108 | 300.8 | 97 | 9953 | 115 | 1.22 | 40.01 | 94 | 1325 | 111 | 16.26 | 33.08 | 159 | 1408 | 512 | 0 | 68.4 |
| Crystal 803 | 115 | 308.3 | 99 | 8871 | 103 | 1.20 | 42.23 | 99 | 1216 | 102 | 16.60 | 28.74 | 155 | 1349 | 512 | 0 | 62.7 |
| Crystal 804 | 114 | 301.4 | 97 | 9735 | 113 | 1.16 | 40.20 | 94 | 1300 | 109 | 16.22 | 32.20 | 177 | 1351 | 477 | 0 | 69.2 |
| Crystal 913 | 118 | 309.5 | 100 | 8966 | 104 | 1.14 | 42.58 | 100 | 1232 | 103 | 16.61 | 29.00 | 168 | 1274 | 480 | 0 | 63.4 |
| Hilleshög HIL2317 | 120 | 315.4 | 102 | 8823 | 102 | 1.05 | 44.30 | 104 | 1243 | 104 | 16.83 | 27.92 | 161 | 1347 | 395 | 0 | 68.9 |
| Hilleshög HIL9528 | 109 | 301.1 | 97 | 8844 | 102 | 1.09 | 40.11 | 94 | 1179 | 99 | 16.13 | 29.28 | 191 | 1248 | 443 | 0 | 66.5 |
| Hilleshög HIL9708 | 123 | 302.1 | 97 | 8836 | 102 | 1.09 | 40.40 | 94 | 1182 | 99 | 16.21 | 29.29 | 194 | 1274 | 438 | 0 | 67.2 |
| Hilleshög HIL9920 | 117 | 321.5 | 104 | 9425 | 109 | 1.08 | 46.09 | 108 | 1351 | 113 | 17.17 | 29.34 | 150 | 1353 | 421 | 0 | 68.0 |
| Maribo MA504 | 106 | 301.1 | 97 | 8368 | 97 | 1.07 | 40.11 | 94 | 1113 | 93 | 16.13 | 27.80 | 198 | 1281 | 418 | 0 | 64.0 |
| Maribo MA717 | 121 | 311.6 | 100 | 9356 | 108 | 1.10 | 43.18 | 101 | 1292 | 108 | 16.68 | 30.15 | 157 | 1333 | 442 | 0 | 69.4 |
| Maribo MA902 | 119 | 303.7 | 98 | 8683 | 100 | 1.09 | 40.88 | 96 | 1167 | 98 | 16.28 | 28.60 | 201 | 1312 | 423 | 0 | 72.7 |
| SV 265 | 105 | 307.5 | 99 | 9030 | 104 | 1.12 | 41.98 | 98 | 1230 | 103 | 16.49 | 29.41 | 147 | 1352 | 453 | 0 | 60.5 |
| SV 268 | 116 | 314.0 | 101 | 9452 | 109 | 1.07 | 43.89 | 103 | 1327 | 111 | 16.78 | 30.03 | 128 | 1389 | 414 | 0 | 69.3 |
| SV 285 | 111 | 312.6 | 101 | 9023 | 104 | 1.03 | 43.49 | 102 | 1260 | 106 | 16.68 | 28.82 | 125 | 1293 | 414 | 0 | 72.5 |
| SV 375 | 102 | 316.0 | 102 | 9564 | 111 | 1.09 | 44.48 | 104 | 1345 | 113 | 16.90 | 30.34 | 127 | 1330 | 446 | 0 | 67.3 |
| SX 1888 | 104 | 304.0 | 98 | 8858 | 102 | 1.11 | 40.97 | 96 | 1193 | 100 | 16.32 | 29.14 | 143 | 1340 | 453 | 0 | 68.9 |
| SX 1898 | 122 | 317.5 | 102 | 9367 | 108 | 1.09 | 44.90 | 105 | 1328 | 111 | 16.96 | 29.42 | 123 | 1367 | 439 | 0 | 71.4 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 305.4 | 98 | 8766 | 101 | 1.04 | 41.34 | 97 | 1189 | 100 | 16.31 | 28.66 | 141 | 1237 | 426 | 0 | 68.3 |
| BTS 8034 | 222 | 301.5 | 97 | 9937 | 115 | 1.23 | 40.19 | 94 | 1324 | 111 | 16.31 | 32.99 | 161 | 1381 | 528 | 0 | 63.7 |
| BTS 8073 | 207 | 309.3 | 100 | 9466 | 109 | 1.10 | 42.48 | 99 | 1299 | 109 | 16.58 | 30.71 | 133 | 1290 | 463 | 0 | 55.6 |
| BTS 8092 | 236 | 307.6 | 99 | 9470 | 110 | 1.07 | 41.98 | 98 | 1296 | 109 | 16.44 | 30.74 | 121 | 1248 | 457 | 0 | 63.2 |
| Crystal 021 | 208 | 308.3 | 99 | 9220 | 107 | 1.15 | 42.18 | 99 | 1262 | 106 | 16.54 | 29.85 | 172 | 1350 | 473 | 0 | 57.1 |
| Crystal 022 | 241 | 318.4 | 103 | 8491 | 98 | 1.03 | 45.19 | 106 | 1209 | 101 | 16.95 | 26.61 | 120 | 1261 | 421 | 0 | 51.0 |
| Crystal 025 | 244 | 312.8 | 101 | 8930 | 103 | 1.20 | 43.52 | 102 | 1242 | 104 | 16.84 | 28.55 | 153 | 1365 | 513 | 0 | 51.8 |
| Crystal 026 | 209 | 310.2 | 100 | 9825 | 114 | 1.14 | 42.76 | 100 | 1347 | 113 | 16.65 | 31.80 | 158 | 1456 | 440 | 0 | 62.2 |
| Crystal 029 | 240 | 311.8 | 101 | 8916 | 103 | 1.18 | 43.22 | 101 | 1241 | 104 | 16.75 | 28.51 | 135 | 1312 | 518 | 0 | 57.1 |
| Crystal 912 | 242 | 305.2 | 98 | 9667 | 112 | 1.08 | 41.28 | 97 | 1311 | 110 | 16.33 | 31.65 | 175 | 1199 | 457 | 0 | 53.9 |
| Hilleshög HIL2320 | 217 | 314.1 | 101 | 8908 | 103 | 1.12 | 43.91 | 103 | 1251 | 105 | 16.80 | 28.29 | 178 | 1275 | 459 | 0 | 59.0 |
| Hilleshög HIL2366 | 215 | 312.4 | 101 | 8629 | 100 | 1.04 | 43.41 | 101 | 1202 | 101 | 16.64 | 27.62 | 170 | 1214 | 422 | 0 | 69.4 |
| Hilleshög HIL2367 | 237 | 312.0 | 101 | 8776 | 102 | 1.13 | 43.28 | 101 | 1218 | 102 | 16.71 | 28.15 | 165 | 1326 | 463 | 0 | 67.6 |
| Hilleshög HIL2368 | 233 | 317.0 | 102 | 7365 | 85 | 1.07 | 44.77 | 105 | 1041 | 87 | 16.90 | 23.19 | 164 | 1186 | 451 | 0 | 64.2 |
| SV 203 | 239 | 312.4 | 101 | 8915 | 103 | 1.04 | 43.40 | 101 | 1240 | 104 | 16.64 | 28.45 | 133 | 1289 | 417 | 0 | 67.3 |
| SX 1804 | 228 | 312.0 | 101 | 9153 | 106 | 1.15 | 43.29 | 101 | 1276 | 107 | 16.72 | 29.23 | 144 | 1325 | 485 | 0 | 61.8 |
| Comm Benchmark Mean | | 310.2 | | 8646 | | 1.22 | 42.77 | | 1193 | | 16.73 | 27.86 | 157 | 1395 | 518 | | 68.1 |
| Trial Mean | | 308.3 | | 9138 | | 1.13 | 42.20 | | 1251 | | 16.54 | 29.65 | 158 | 1342 | 459 | | 67.0 |
| Coeff. of Var. (%) | | 2.4 | | 5.7 | | 6.2 | 5.2 | | 7.5 | | 2.2 | 4.8 | 14.1 | 3.5 | 10.2 | | 8.0 |
| Mean LSD (0.05) | | 9.2 | | 654 | | 0.09 | 2.71 | | 117 | | 0.45 | 1.82 | 28 | 59 | 59 | | 6.6 |
| Mean LSD (0.01) | | 12.2 | | 865 | | 0.12 | 3.58 | | 155 | | 0.59 | 2.40 | 36 | 79 | 78 | | 8.7 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Climax MN  Bolters based upon 60,000 seed per acre.  Created 10/29/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218309

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Forest River ND

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 329.9 | 99 | 10383 | 111 | 0.92 | 48.55 | 98 | 1540 | 110 | 17.43 | 31.25 | 96 | 1175 | 370 | 0 | 56.9 |
| BTS 8882 | 112 | 323.7 | 97 | 11154 | 119 | 1.06 | 46.73 | 94 | 1621 | 116 | 17.25 | 34.22 | 118 | 1382 | 412 | 0 | 60.4 |
| BTS 8927 | 101 | 346.4 | 104 | 10431 | 111 | 0.85 | 53.39 | 108 | 1612 | 116 | 18.19 | 30.01 | 92 | 1093 | 343 | 0 | 56.5 |
| BTS 8938 | 113 | 339.4 | 102 | 9440 | 101 | 0.93 | 51.32 | 104 | 1440 | 103 | 17.89 | 27.57 | 89 | 1159 | 381 | 0 | 46.8 |
| BTS 8961 | 110 | 330.8 | 99 | 9457 | 101 | 1.08 | 48.82 | 99 | 1407 | 101 | 17.62 | 28.32 | 118 | 1350 | 437 | 0 | 55.9 |
| Crystal 572 | 125 | 340.3 | 102 | 10394 | 111 | 0.94 | 51.59 | 104 | 1581 | 113 | 17.96 | 30.47 | 85 | 1197 | 382 | 0 | 62.0 |
| Crystal 684 | 124 | 317.3 | 95 | 10222 | 109 | 1.04 | 44.87 | 91 | 1456 | 104 | 16.90 | 31.95 | 110 | 1353 | 407 | 0 | 62.3 |
| Crystal 793 | 107 | 344.2 | 103 | 10956 | 117 | 0.90 | 52.73 | 106 | 1683 | 121 | 18.10 | 31.71 | 90 | 1194 | 346 | 0 | 60.2 |
| Crystal 796 | 108 | 344.3 | 103 | 10156 | 108 | 0.99 | 52.76 | 106 | 1559 | 112 | 18.20 | 29.43 | 102 | 1337 | 379 | 0 | 67.8 |
| Crystal 803 | 115 | 335.3 | 101 | 10443 | 112 | 0.91 | 50.12 | 101 | 1568 | 113 | 17.67 | 31.00 | 98 | 1261 | 334 | 0 | 65.7 |
| Crystal 804 | 114 | 319.0 | 96 | 10256 | 110 | 1.05 | 45.36 | 92 | 1462 | 105 | 17.00 | 32.10 | 137 | 1343 | 404 | 0 | 61.2 |
| Crystal 913 | 118 | 340.6 | 102 | 10857 | 116 | 0.92 | 51.70 | 104 | 1653 | 119 | 17.94 | 31.71 | 100 | 1220 | 352 | 0 | 56.4 |
| Hilleshög HIL2317 | 120 | 340.3 | 102 | 9660 | 103 | 0.91 | 51.59 | 104 | 1470 | 105 | 17.92 | 28.23 | 99 | 1202 | 350 | 0 | 55.8 |
| Hilleshög HIL9528 | 109 | 327.1 | 98 | 9727 | 104 | 0.91 | 47.72 | 96 | 1422 | 102 | 17.27 | 29.68 | 119 | 1173 | 349 | 0 | 63.3 |
| Hilleshög HIL9708 | 123 | 325.8 | 98 | 9217 | 98 | 0.94 | 47.34 | 96 | 1349 | 97 | 17.24 | 28.07 | 127 | 1163 | 377 | 0 | 61.4 |
| Hilleshög HIL9920 | 117 | 334.7 | 100 | 9809 | 105 | 0.92 | 49.96 | 101 | 1467 | 105 | 17.66 | 29.26 | 132 | 1266 | 325 | 0 | 55.7 |
| Maribo MA504 | 106 | 327.0 | 98 | 10030 | 107 | 0.96 | 47.69 | 96 | 1470 | 105 | 17.30 | 30.52 | 113 | 1230 | 372 | 0 | 61.6 |
| Maribo MA717 | 121 | 321.5 | 96 | 9386 | 100 | 1.03 | 46.08 | 93 | 1353 | 97 | 17.10 | 29.02 | 116 | 1288 | 412 | 0 | 56.9 |
| Maribo MA902 | 119 | 333.4 | 100 | 10326 | 110 | 0.85 | 49.56 | 100 | 1541 | 111 | 17.52 | 30.85 | 113 | 1099 | 329 | 0 | 75.8 |
| SV 265 | 105 | 330.5 | 99 | 10031 | 107 | 0.89 | 48.72 | 98 | 1486 | 107 | 17.42 | 30.20 | 97 | 1178 | 342 | 0 | 51.6 |
| SV 268 | 116 | 332.1 | 100 | 10300 | 110 | 0.97 | 49.19 | 99 | 1540 | 110 | 17.57 | 30.69 | 92 | 1294 | 373 | 0 | 64.2 |
| SV 285 | 111 | 334.7 | 100 | 10377 | 111 | 0.97 | 49.94 | 101 | 1551 | 111 | 17.69 | 30.92 | 92 | 1178 | 400 | 0 | 69.7 |
| SV 375 | 102 | 355.9 | 107 | 10970 | 117 | 0.87 | 56.18 | 113 | 1740 | 125 | 18.66 | 30.66 | 78 | 1187 | 327 | 0 | 62.2 |
| SX 1888 | 104 | 328.4 | 99 | 9738 | 104 | 1.00 | 48.10 | 97 | 1430 | 103 | 17.41 | 29.56 | 101 | 1274 | 397 | 0 | 53.7 |
| SX 1898 | 122 | 342.5 | 103 | 9568 | 102 | 0.97 | 52.24 | 105 | 1465 | 105 | 18.10 | 27.83 | 80 | 1241 | 392 | 0 | 56.6 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 346.3 | 104 | 11377 | 122 | 0.83 | 53.17 | 107 | 1753 | 126 | 18.19 | 32.75 | 94 | 1213 | 269 | 0 | 86.1 |
| BTS 8034 | 222 | 338.2 | 101 | 10678 | 114 | 0.85 | 50.88 | 103 | 1613 | 116 | 17.79 | 31.46 | 117 | 1294 | 253 | 0 | 75.9 |
| BTS 8073 | 207 | 327.9 | 98 | 10221 | 109 | 0.99 | 48.04 | 97 | 1499 | 108 | 17.39 | 31.16 | 104 | 1335 | 349 | 0 | 80.5 |
| BTS 8092 | 236 | 328.7 | 99 | 10378 | 111 | 0.91 | 48.28 | 97 | 1526 | 110 | 17.36 | 31.52 | 123 | 1184 | 322 | 0 | 77.3 |
| Crystal 021 | 208 | 331.2 | 99 | 10878 | 116 | 0.90 | 48.99 | 99 | 1611 | 116 | 17.48 | 32.77 | 123 | 1376 | 261 | 0 | 69.7 |
| Crystal 022 | 241 | 334.0 | 100 | 9397 | 100 | 0.93 | 49.74 | 100 | 1399 | 100 | 17.64 | 28.20 | 118 | 1214 | 324 | 0 | 79.2 |
| Crystal 025 | 244 | 333.2 | 100 | 9643 | 103 | 0.99 | 49.52 | 100 | 1434 | 103 | 17.67 | 28.92 | 140 | 1315 | 345 | 0 | 77.0 |
| Crystal 026 | 209 | 337.9 | 101 | 9901 | 106 | 1.01 | 50.82 | 103 | 1492 | 107 | 17.91 | 29.29 | 131 | 1437 | 325 | 0 | 72.4 |
| Crystal 029 | 240 | 338.2 | 101 | 10070 | 108 | 0.92 | 50.89 | 103 | 1518 | 109 | 17.85 | 29.74 | 105 | 1307 | 304 | 0 | 83.2 |
| Crystal 912 | 242 | 324.5 | 97 | 9819 | 105 | 0.91 | 47.10 | 95 | 1424 | 102 | 17.15 | 30.33 | 128 | 1164 | 326 | 0 | 78.7 |
| Hilleshög HIL2320 | 217 | 327.2 | 98 | 9207 | 98 | 1.04 | 47.86 | 97 | 1352 | 97 | 17.41 | 28.08 | 151 | 1340 | 370 | 0 | 84.1 |
| Hilleshög HIL2366 | 215 | 329.3 | 99 | 9253 | 99 | 1.01 | 48.44 | 98 | 1365 | 98 | 17.50 | 28.05 | 139 | 1338 | 357 | 0 | 88.9 |
| Hilleshög HIL2367 | 237 | 326.0 | 98 | 9455 | 101 | 1.02 | 47.53 | 96 | 1384 | 99 | 17.34 | 28.93 | 125 | 1303 | 378 | 0 | 78.1 |
| Hilleshög HIL2368 | 233 | 330.5 | 99 | 8424 | 90 | 0.98 | 48.78 | 98 | 1247 | 89 | 17.52 | 25.49 | 124 | 1235 | 358 | 0 | 78.1 |
| SV 203 | 239 | 339.2 | 102 | 9696 | 104 | 0.91 | 51.19 | 103 | 1469 | 105 | 17.90 | 28.52 | 100 | 1334 | 292 | 0 | 76.1 |
| SX 1804 | 228 | 336.0 | 101 | 9487 | 101 | 0.89 | 50.31 | 102 | 1424 | 102 | 17.71 | 28.25 | 104 | 1287 | 290 | 0 | 75.4 |
| Comm Benchmark Mean | | 333.4 | | 9361 | | 1.05 | 49.55 | | 1394 | | 17.72 | 28.08 | 118 | 1318 | 417 | | 57.5 |
| Trial Mean | | 333.9 | | 10002 | | 0.96 | 49.71 | | 1495 | | 17.66 | 29.83 | 106 | 1245 | 377 | | 59.7 |
| Coeff. of Var. (%) | | 2.9 | | 6.5 | | 8.6 | 5.8 | | 8.4 | | 2.6 | 5.5 | 16.8 | 6.9 | 12.6 | | 13.9 |
| Mean LSD (0.05) | | 12.6 | | 844 | | 0.11 | 3.69 | | 163 | | 0.60 | 2.12 | 23 | 106 | 61 | | 10.6 |
| Mean LSD (0.01) | | 16.7 | | 1116 | | 0.14 | 4.88 | | 215 | | 0.79 | 2.80 | 30 | 140 | 80 | | 14.0 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Forest River ND Bolters based upon 60,000 seed per acre. Created 10/29/2021

%Bnch = Percentage of benchmark varieties. Trial # = 218310

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Hallock MN

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 365.3 | 98 | 9887 | 134 | 1.55 | 58.92 | 97 | 1591 | 133 | 19.79 | 27.18 | 187 | 1875 | 631 | 0 | 78.7 |
| BTS 8882 | 112 | 368.1 | 99 | 8635 | 117 | 1.62 | 59.75 | 98 | 1408 | 117 | 20.08 | 23.49 | 209 | 2010 | 640 | 0 | 85.9 |
| BTS 8927 | 101 | 379.1 | 102 | 7931 | 108 | 1.51 | 62.97 | 104 | 1317 | 110 | 20.43 | 20.63 | 179 | 1840 | 622 | 0 | 69.7 |
| BTS 8938 | 113 | 367.8 | 99 | 9322 | 127 | 1.62 | 59.65 | 98 | 1512 | 126 | 20.01 | 25.36 | 205 | 1874 | 680 | 0 | 67.8 |
| BTS 8961 | 110 | 366.3 | 99 | 9311 | 127 | 1.63 | 59.23 | 98 | 1506 | 126 | 19.95 | 25.40 | 210 | 1982 | 663 | 0 | 82.4 |
| Crystal 572 | 125 | 384.5 | 104 | 8666 | 118 | 1.51 | 64.54 | 106 | 1457 | 121 | 20.80 | 22.40 | 150 | 1843 | 631 | 0 | 85.8 |
| Crystal 684 | 124 | 359.7 | 97 | 8880 | 121 | 1.66 | 57.28 | 94 | 1410 | 118 | 19.70 | 24.82 | 222 | 2052 | 664 | 0 | 81.8 |
| Crystal 793 | 107 | 385.1 | 104 | 8296 | 113 | 1.52 | 64.74 | 107 | 1399 | 117 | 20.80 | 21.53 | 179 | 1867 | 609 | 0 | 84.7 |
| Crystal 796 | 108 | 365.2 | 98 | 9600 | 131 | 1.50 | 58.89 | 97 | 1542 | 129 | 19.81 | 26.40 | 184 | 1873 | 603 | 0 | 89.1 |
| Crystal 803 | 115 | 378.0 | 102 | 8838 | 120 | 1.53 | 62.65 | 103 | 1473 | 123 | 20.46 | 23.02 | 155 | 1896 | 630 | 28 | 86.3 |
| Crystal 804 | 114 | 365.8 | 98 | 8694 | 118 | 1.56 | 59.07 | 97 | 1404 | 117 | 19.84 | 23.83 | 198 | 1907 | 628 | 0 | 80.7 |
| Crystal 913 | 118 | 384.9 | 104 | 8625 | 117 | 1.53 | 64.68 | 107 | 1456 | 121 | 20.81 | 22.29 | 163 | 1829 | 637 | 0 | 81.7 |
| Hilleshög HIL2317 | 120 | 363.5 | 98 | 7648 | 104 | 1.53 | 58.41 | 96 | 1229 | 102 | 19.72 | 20.94 | 197 | 2039 | 574 | 0 | 80.0 |
| Hilleshög HIL9528 | 109 | 337.5 | 91 | 8280 | 113 | 1.51 | 50.79 | 84 | 1255 | 105 | 18.40 | 24.45 | 227 | 1865 | 585 | 0 | 82.7 |
| Hilleshög HIL9708 | 123 | 355.5 | 96 | 7788 | 106 | 1.58 | 56.06 | 92 | 1229 | 102 | 19.30 | 21.63 | 321 | 1933 | 600 | 0 | 84.6 |
| Hilleshög HIL9920 | 117 | 357.6 | 96 | 7685 | 104 | 1.55 | 56.67 | 93 | 1211 | 101 | 19.42 | 21.82 | 257 | 2017 | 567 | 0 | 82.2 |
| Maribo MA504 | 106 | 341.9 | 92 | 6838 | 93 | 1.67 | 52.08 | 86 | 1042 | 87 | 18.77 | 19.92 | 265 | 1959 | 679 | 0 | 83.7 |
| Maribo MA717 | 121 | 341.2 | 92 | 8643 | 118 | 1.59 | 51.87 | 85 | 1315 | 110 | 18.62 | 25.34 | 267 | 2036 | 592 | 0 | 81.3 |
| Maribo MA902 | 119 | 351.8 | 95 | 8166 | 111 | 1.63 | 54.95 | 91 | 1272 | 106 | 19.15 | 23.18 | 317 | 1933 | 637 | 0 | 87.8 |
| SV 265 | 105 | 358.7 | 97 | 7063 | 96 | 1.38 | 56.98 | 94 | 1114 | 93 | 19.21 | 19.86 | 193 | 1818 | 512 | 0 | 79.8 |
| SV 268 | 116 | 372.2 | 100 | 8608 | 117 | 1.41 | 60.95 | 100 | 1415 | 118 | 20.03 | 23.12 | 150 | 1866 | 537 | 0 | 90.7 |
| SV 285 | 111 | 373.7 | 101 | 8099 | 110 | 1.47 | 61.38 | 101 | 1334 | 111 | 20.20 | 21.69 | 150 | 1935 | 570 | 0 | 86.9 |
| SV 375 | 102 | 375.5 | 101 | 8276 | 113 | 1.45 | 61.93 | 102 | 1369 | 114 | 20.27 | 21.82 | 140 | 1924 | 563 | 0 | 84.5 |
| SX 1888 | 104 | 358.1 | 96 | 7839 | 107 | 1.66 | 56.83 | 94 | 1245 | 104 | 19.58 | 21.88 | 185 | 2049 | 676 | 0 | 75.0 |
| SX 1898 | 122 | 375.6 | 101 | 8189 | 111 | 1.46 | 61.96 | 102 | 1361 | 113 | 20.26 | 21.68 | 157 | 1935 | 559 | 0 | 78.5 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 388.7 | 105 | 7843 | 107 | 1.58 | 65.86 | 108 | 1328 | 111 | 20.98 | 20.21 | 175 | 1869 | 690 | 0 | 81.2 |
| BTS 8034 | 222 | 355.5 | 96 | 8429 | 115 | 1.71 | 55.97 | 92 | 1319 | 110 | 19.50 | 23.79 | 263 | 2150 | 685 | 0 | 83.3 |
| BTS 8073 | 207 | 376.7 | 101 | 7329 | 100 | 1.64 | 62.28 | 103 | 1206 | 101 | 20.44 | 19.59 | 180 | 1955 | 706 | 0 | 79.9 |
| BTS 8092 | 236 | 368.6 | 99 | 9053 | 123 | 1.53 | 59.88 | 99 | 1467 | 122 | 19.94 | 24.54 | 181 | 1876 | 642 | 0 | 74.0 |
| Crystal 021 | 208 | 376.6 | 101 | 9494 | 129 | 1.57 | 62.25 | 103 | 1569 | 131 | 20.41 | 25.07 | 203 | 2049 | 617 | 0 | 77.4 |
| Crystal 022 | 241 | 389.7 | 105 | 7844 | 107 | 1.51 | 66.15 | 109 | 1326 | 111 | 20.97 | 20.26 | 166 | 1917 | 622 | 0 | 82.9 |
| Crystal 025 | 244 | 378.5 | 102 | 8058 | 110 | 1.58 | 62.84 | 104 | 1337 | 111 | 20.49 | 21.32 | 199 | 1980 | 654 | 0 | 71.6 |
| Crystal 026 | 209 | 363.5 | 98 | 10013 | 136 | 1.70 | 58.37 | 96 | 1613 | 134 | 19.86 | 27.49 | 264 | 2137 | 676 | 0 | 84.3 |
| Crystal 029 | 240 | 390.4 | 105 | 7700 | 105 | 1.53 | 66.37 | 109 | 1299 | 108 | 21.08 | 19.70 | 161 | 1851 | 656 | 0 | 88.2 |
| Crystal 912 | 242 | 362.0 | 97 | 9140 | 124 | 1.75 | 57.91 | 95 | 1461 | 122 | 19.86 | 25.21 | 267 | 1964 | 760 | 0 | 79.1 |
| Hilleshög HIL2320 | 217 | 344.4 | 93 | 8045 | 109 | 1.68 | 52.66 | 87 | 1221 | 102 | 18.85 | 23.50 | 278 | 2062 | 674 | 0 | 87.0 |
| Hilleshög HIL2366 | 215 | 360.6 | 97 | 8885 | 121 | 1.55 | 57.49 | 95 | 1416 | 118 | 19.54 | 24.62 | 252 | 1905 | 625 | 0 | 88.9 |
| Hilleshög HIL2367 | 237 | 356.7 | 96 | 8305 | 113 | 1.64 | 56.34 | 93 | 1307 | 109 | 19.41 | 23.45 | 242 | 2033 | 665 | 0 | 85.1 |
| Hilleshög HIL2368 | 233 | 363.7 | 98 | 7429 | 101 | 1.62 | 58.42 | 96 | 1192 | 99 | 19.79 | 20.46 | 240 | 1942 | 677 | 0 | 86.1 |
| SV 203 | 239 | 367.6 | 99 | 7344 | 100 | 1.46 | 59.58 | 98 | 1187 | 99 | 19.85 | 19.92 | 177 | 2026 | 550 | 0 | 69.0 |
| SX 1804 | 228 | 381.8 | 103 | 8636 | 117 | 1.48 | 63.80 | 105 | 1437 | 120 | 20.52 | 22.78 | 170 | 2007 | 579 | 0 | 79.2 |
| Comm Benchmark Mean | | 371.4 | | 7356 | | 1.62 | 60.71 | | 1199 | | 20.18 | 19.87 | 187 | 1973 | 664 | | 79.4 |
| Trial Mean | | 365.8 | | 8227 | | 1.55 | 59.07 | | 1328 | | 19.84 | 22.51 | 205 | 1931 | 616 | | 81.5 |
| Coeff. of Var. (%) | | 4.5 | | 8.6 | | 8.3 | 8.1 | | 11.3 | | 4.0 | 6.4 | 23.6 | 4.6 | 12.5 | | 7.7 |
| Mean LSD (0.05) | | 19.7 | | 843 | | 0.16 | 5.76 | | 177 | | 0.91 | 1.80 | 60 | 111 | 99 | | 7.4 |
| Mean LSD (0.01) | | 26.0 | | 1112 | | 0.22 | 7.61 | | 233 | | 1.21 | 2.38 | 79 | 147 | 131 | | 9.8 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Hallock MN  Bolters based upon 60,000 seed per acre.  Created 10/29/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218312

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.

2021 Performance of Approved RR Varieties - ACSC Official Trials

Bathgate ND

| Description @ | Code | Rec/T lbs. | Rec/T %Bnch | Rec/A lbs. | Rec/A %Bnch | Loss Mol % | Rev/T $ ++ | Rev/T %Bnch | Rev/A $ ++ | Rev/A %Bnch | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Bolter per Ac | Emerg. % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Commercial Trial** | | | | | | | | | | | | | | | | | |
| BTS 8629 | 103 | 358.2 | 98 | 11076 | 118 | 0.93 | 56.85 | 96 | 1748 | 115 | 18.84 | 31.13 | 110 | 1488 | 285 | 0 | 87.2 |
| BTS 8882 | 112 | 351.4 | 96 | 10832 | 115 | 1.02 | 54.85 | 92 | 1686 | 111 | 18.59 | 30.86 | 113 | 1724 | 293 | 0 | 86.0 |
| BTS 8927 | 101 | 374.7 | 102 | 10427 | 111 | 0.92 | 61.68 | 104 | 1714 | 112 | 19.65 | 27.78 | 98 | 1536 | 273 | 0 | 75.6 |
| BTS 8938 | 113 | 364.0 | 99 | 10967 | 117 | 0.92 | 58.53 | 98 | 1765 | 116 | 19.11 | 30.06 | 96 | 1513 | 278 | 0 | 67.0 |
| BTS 8961 | 110 | 362.0 | 99 | 11161 | 119 | 1.02 | 57.96 | 97 | 1786 | 117 | 19.13 | 30.91 | 113 | 1692 | 301 | 0 | 79.2 |
| Crystal 572 | 125 | 378.1 | 103 | 10120 | 108 | 0.92 | 62.68 | 105 | 1679 | 110 | 19.83 | 26.77 | 91 | 1479 | 288 | 0 | 82.9 |
| Crystal 684 | 124 | 346.6 | 94 | 10568 | 112 | 1.06 | 53.44 | 90 | 1627 | 107 | 18.39 | 30.55 | 129 | 1738 | 310 | 0 | 84.0 |
| Crystal 793 | 107 | 374.5 | 102 | 11165 | 119 | 0.92 | 61.62 | 104 | 1840 | 121 | 19.64 | 29.80 | 93 | 1526 | 272 | 0 | 81.3 |
| Crystal 796 | 108 | 362.4 | 99 | 11346 | 121 | 1.03 | 58.06 | 98 | 1820 | 119 | 19.14 | 31.24 | 121 | 1638 | 316 | 0 | 85.6 |
| Crystal 803 | 115 | 371.1 | 101 | 11275 | 120 | 0.92 | 60.62 | 102 | 1839 | 121 | 19.48 | 30.42 | 91 | 1551 | 275 | 0 | 89.2 |
| Crystal 804 | 114 | 356.8 | 97 | 11398 | 121 | 1.02 | 56.42 | 95 | 1797 | 118 | 18.86 | 32.03 | 119 | 1676 | 304 | 0 | 84.8 |
| Crystal 913 | 118 | 381.4 | 104 | 10857 | 115 | 0.86 | 63.65 | 107 | 1803 | 118 | 19.94 | 28.62 | 87 | 1452 | 252 | 0 | 87.2 |
| Hilleshög HIL2317 | 120 | 365.6 | 100 | 9913 | 105 | 0.93 | 59.01 | 99 | 1601 | 105 | 19.21 | 27.12 | 120 | 1598 | 252 | 0 | 79.8 |
| Hilleshög HIL9528 | 109 | 355.1 | 97 | 9985 | 106 | 0.99 | 55.92 | 94 | 1576 | 103 | 18.74 | 28.05 | 136 | 1563 | 305 | 0 | 71.8 |
| Hilleshög HIL9708 | 123 | 362.2 | 99 | 9586 | 102 | 0.91 | 58.01 | 98 | 1531 | 100 | 19.02 | 26.56 | 118 | 1517 | 262 | 0 | 86.7 |
| Hilleshög HIL9920 | 117 | 375.3 | 102 | 10381 | 110 | 0.92 | 61.84 | 104 | 1711 | 112 | 19.68 | 27.52 | 101 | 1647 | 239 | 0 | 81.0 |
| Maribo MA504 | 106 | 366.3 | 100 | 9975 | 106 | 0.97 | 59.21 | 100 | 1615 | 106 | 19.28 | 27.20 | 113 | 1555 | 296 | 0 | 85.0 |
| Maribo MA717 | 121 | 351.0 | 96 | 10629 | 113 | 0.99 | 54.74 | 92 | 1662 | 109 | 18.55 | 30.24 | 127 | 1661 | 281 | 0 | 82.0 |
| Maribo MA902 | 119 | 368.1 | 100 | 10027 | 107 | 0.98 | 59.76 | 101 | 1632 | 107 | 19.39 | 27.22 | 121 | 1567 | 298 | 0 | 88.2 |
| SV 265 | 105 | 364.8 | 99 | 10137 | 108 | 0.87 | 58.77 | 99 | 1630 | 107 | 19.11 | 27.81 | 90 | 1494 | 246 | 0 | 79.3 |
| SV 268 | 116 | 367.3 | 100 | 11056 | 118 | 0.96 | 59.52 | 100 | 1790 | 117 | 19.33 | 30.16 | 102 | 1634 | 271 | 0 | 88.6 |
| SV 285 | 111 | 369.7 | 101 | 10899 | 116 | 0.94 | 60.21 | 101 | 1771 | 116 | 19.43 | 29.54 | 104 | 1574 | 275 | 0 | 86.4 |
| SV 375 | 102 | 369.0 | 101 | 10749 | 114 | 0.90 | 59.99 | 101 | 1749 | 115 | 19.34 | 29.13 | 98 | 1528 | 253 | 0 | 88.6 |
| SX 1888 | 104 | 362.2 | 99 | 9901 | 105 | 0.99 | 58.03 | 98 | 1588 | 104 | 19.10 | 27.24 | 108 | 1636 | 299 | 0 | 74.7 |
| SX 1898 | 122 | 363.9 | 99 | 9753 | 104 | 1.01 | 58.52 | 98 | 1570 | 103 | 19.21 | 26.77 | 111 | 1645 | 308 | 0 | 75.1 |
| **Experimental Trial (Comm status)** | | | | | | | | | | | | | | | | | |
| BTS 8018 | 232 | 369.4 | 101 | 10411 | 111 | 0.91 | 60.13 | 101 | 1703 | 112 | 19.38 | 28.01 | 110 | 1554 | 301 | 0 | 89.5 |
| BTS 8034 | 222 | 347.0 | 95 | 9958 | 106 | 1.02 | 53.43 | 90 | 1537 | 101 | 18.39 | 28.76 | 143 | 1733 | 322 | 0 | 90.2 |
| BTS 8073 | 207 | 369.7 | 101 | 10322 | 110 | 0.91 | 60.20 | 101 | 1695 | 111 | 19.40 | 27.69 | 102 | 1495 | 330 | 0 | 84.0 |
| BTS 8092 | 236 | 365.3 | 99 | 10772 | 115 | 0.90 | 58.89 | 99 | 1741 | 114 | 19.16 | 29.31 | 125 | 1538 | 286 | 0 | 83.6 |
| Crystal 021 | 208 | 356.0 | 97 | 10267 | 109 | 0.99 | 56.11 | 94 | 1625 | 107 | 18.80 | 28.85 | 125 | 1680 | 315 | 0 | 80.5 |
| Crystal 022 | 241 | 369.3 | 101 | 10177 | 108 | 0.90 | 60.12 | 101 | 1665 | 109 | 19.38 | 27.37 | 106 | 1534 | 289 | 0 | 83.2 |
| Crystal 025 | 244 | 362.6 | 99 | 10291 | 109 | 1.05 | 58.12 | 98 | 1652 | 108 | 19.19 | 28.34 | 131 | 1666 | 370 | 0 | 78.5 |
| Crystal 026 | 209 | 357.6 | 97 | 10994 | 117 | 1.01 | 56.61 | 95 | 1748 | 115 | 18.91 | 30.72 | 133 | 1738 | 316 | 0 | 89.8 |
| Crystal 029 | 240 | 366.9 | 100 | 9973 | 106 | 0.96 | 59.40 | 100 | 1618 | 106 | 19.31 | 27.08 | 109 | 1561 | 336 | 0 | 89.5 |
| Crystal 912 | 242 | 353.2 | 96 | 11623 | 124 | 0.98 | 55.30 | 93 | 1828 | 120 | 18.64 | 32.79 | 143 | 1524 | 343 | 0 | 78.5 |
| Hilleshög HIL2320 | 217 | 358.9 | 98 | 10133 | 108 | 0.98 | 57.02 | 96 | 1622 | 106 | 18.93 | 27.85 | 132 | 1619 | 325 | 0 | 89.8 |
| Hilleshög HIL2366 | 215 | 365.7 | 100 | 9990 | 106 | 0.90 | 59.01 | 99 | 1623 | 106 | 19.18 | 27.21 | 126 | 1528 | 281 | 0 | 86.7 |
| Hilleshög HIL2367 | 237 | 353.4 | 96 | 9978 | 106 | 1.00 | 55.35 | 93 | 1568 | 103 | 18.68 | 28.25 | 169 | 1591 | 329 | 0 | 87.1 |
| Hilleshög HIL2368 | 233 | 373.6 | 102 | 8440 | 90 | 0.95 | 61.38 | 103 | 1395 | 91 | 19.64 | 22.45 | 129 | 1577 | 315 | 0 | 88.7 |
| SV 203 | 239 | 370.8 | 101 | 9394 | 100 | 0.96 | 60.54 | 102 | 1537 | 101 | 19.50 | 25.46 | 110 | 1619 | 314 | 0 | 81.3 |
| SX 1804 | 228 | 367.3 | 100 | 9992 | 106 | 0.91 | 59.51 | 100 | 1635 | 107 | 19.27 | 26.88 | 99 | 1561 | 296 | 0 | 81.6 |
| Comm Benchmark Mean | | 367.1 | | 9406 | | 1.00 | 59.45 | | 1525 | | 19.36 | 25.62 | 112 | 1630 | 299 | | 84.0 |
| Trial Mean | | 364.6 | | 10357 | | 0.96 | 58.72 | | 1667 | | 19.19 | 28.44 | 110 | 1592 | 282 | | 82.8 |
| Coeff. of Var. (%) | | 2.4 | | 5.4 | | 6.9 | 4.4 | | 6.6 | | 2.2 | 4.8 | 13.7 | 4.9 | 12.2 | | 7.9 |
| Mean LSD (0.05) | | 10.8 | | 703 | | 0.08 | 3.18 | | 135 | | 0.51 | 1.75 | 19 | 94 | 43 | | 7.6 |
| Mean LSD (0.01) | | 14.3 | | 928 | | 0.11 | 4.20 | | 178 | | 0.67 | 2.31 | 25 | 125 | 57 | | 10.0 |
| Sig Lvl | | ** | | ** | | ** | ** | | ** | | ** | ** | ** | ** | ** | | ** |

2021 Data from Bathgate ND  Bolters based upon 60,000 seed per acre.  Created 11/01/2021

%Bnch = Percentage of benchmark varieties.  Trial # = 218313

@ Statistics and trial mean are from Commercial trial including benchmark and check means. Experimental trial data adjusted to commercial status.

++ Revenue estimates are based on a $45.65 beet payment at 17.5% sugar & 1.5% loss to molasses and do not consider hauling costs.