

2011 Variety Guide

Minn-Dak Growing Area



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**2010 Coded Trial Data (Sorted by 2010 Rec. Sugar/Acre)
Previously Approved MDFC Varieties**

| | Rec. Sugar / Ton (pounds) | | | Rec. Sugar / Acre (pounds) | | | Cercospora Rating (1-9) | | Aphanomyces Root Rating | | Rhizoctonia (1=Ex,7=Poor) | |
|--------------------------|------------------------------|--------------|-------------|-------------------------------|--------------|--------------|----------------------------|-------------|----------------------------|-------------|------------------------------|------------|
| | 3 Yr | 3 Yr % | Est | 3 Yr | 3 Yr % | Est | 3 Yr | | 3 Yr | | 2009 | 2010 |
| | 2010 | Mean | | 2010 | Mean | | 2010 | Mean | 2010 | Mean | | |
| Hilleshög 4022RR* | 320.5 | 302.9 | 98.3 | 11257 | 10523 | 103.3 | 4.26 | 4.20 | 4.96 | 4.87 | 3.1 | 3.6 |
| Crystal RR610 | 330.2 | 309.2 | 100.4 | 10696 | 10651 | 104.5 | 5.03 | 4.64 | 4.33 | 4.78 | 4.2 | 4.6 |
| Hilleshög 4012RR* | 317.7 | 303.9 | 98.7 | 10675 | 10566 | 103.7 | 5.00 | 5.09 | 4.26 | 4.35 | 4.8 | 4.5 |
| Crystal RR643 | 320.3 | 309.9 | 100.6 | 10405 | 10842 | 106.4 | 5.19 | 4.95 | 4.13 | 3.91 | 4.4 | 3.8 |
| BTS 77RR54 | 335.1 | 315.6 | 102.4 | 10336 | 10633 | 104.3 | 4.72 | 4.58 | 4.25 | 4.41 | 4.9 | 4.6 |
| Crystal RR632 | 313.0 | 304.7 | 98.9 | 9915 | 10458 | 102.6 | 4.34 | 4.31 | 4.65 | 4.61 | 4.1 | 4.2 |
| BTS 85RR02 | 329.0 | 316.2 | 102.6 | 9779 | 10006 | 98.2 | 4.47 | 4.59 | 3.54 | 3.91 | 4.5 | 4.1 |
| Crystal RR539 | 319.0 | 304.0 | 98.7 | 8884 | 9546 | 93.7 | 5.39 | 5.18 | 3.97 | 4.24 | 4.4 | 4.4 |

**2010 Coded Trial Data (Sorted by 2010 Rec. Sugar/Acre)
Full Approval Candidates for 2011**

| | Rec. Sugar / Ton (pounds) | | | Rec. Sugar / Acre (pounds) | | | Cercospora Rating (1-9) | | Aphanomyces Root Rating | | Rhizoctonia (1=Ex,7=Poor) | |
|--------------------------|------------------------------|--------------|-------------|-------------------------------|--------------|--------------|----------------------------|-------------|----------------------------|-------------|------------------------------|------------|
| | 3 Yr | 3 Yr % | Est | 3 Yr | 3 Yr % | Est | 3 Yr | | 3 Yr | | 2009 | 2010 |
| | 2010 | Mean | | 2010 | Mean | | 2010 | Mean | 2010 | Mean | | |
| Crystal RR830 | 322.0 | 302.6 | 98.2 | 12037 | 11436 | 112.2 | 4.86 | 4.68 | 4.93 | 4.89 | 3.4 | 3.8 |
| Hilleshög 4062RR* | 319.0 | 301.7 | 98.0 | 11102 | 10809 | 106.1 | 4.41 | 4.25 | 4.84 | 4.59 | 3.4 | 3.6 |
| Seedex Ultra RR | 324.2 | 305.1 | 99.0 | 11100 | 10559 | 103.6 | 5.02 | 5.06 | 4.86 | 4.93 | -- | 4.1 |
| BTS 78RR10 | 327.2 | 310.8 | 100.9 | 10818 | 11235 | 110.3 | 5.37 | 4.95 | 5.45 | 5.26 | 4.4 | 4.8 |
| Crystal RR806 | 317.8 | 304.4 | 98.8 | 10489 | 10936 | 107.3 | 4.99 | 4.82 | 3.63 | 3.96 | 4.7 | 4.1 |
| SES H36821RR | 323.2 | 306.9 | 99.6 | 10425 | 10305 | 101.1 | 4.73 | 4.76 | 4.88 | 5.44 | 4.7 | 4.4 |
| SES H36822RR | 322.0 | 306.4 | 99.5 | 10425 | 10398 | 102.0 | 5.00 | 5.00 | 4.68 | 4.67 | 4.2 | 4.3 |
| Crystal RR811 | 307.7 | 292.2 | 94.9 | 10084 | 10035 | 98.5 | 4.74 | 4.70 | 4.68 | 4.46 | 3.2 | 3.8 |
| BTS 78RR20 | 330.9 | 311.0 | 101.0 | 9600 | 10338 | 101.5 | 5.50 | 4.99 | 4.07 | 3.87 | 4.2 | 4.4 |

**2010 Coded Trial Data (Sorted by 2010 Rec. Sugar/Acre)
All Commercial Candidates**

| | Rec/T lbs. | Rec/T %Mean | Rec/A lbs. | Rec/A %Mean | Loss Mol % | Sugar % | Yield T/A | Na ppm | K ppm | AmN ppm | Emerg. % |
|--------------------------|---------------|----------------|---------------|----------------|---------------|--------------|--------------|------------|-------------|------------|-------------|
| Crystal RR830 | 322.0 | 100 | 12037 | 115 | 0.91 | 17.01 | 37.44 | 211 | 1572 | 209 | 71.1 |
| Hilleshög 4022RR* | 320.5 | 100 | 11257 | 107 | 1.06 | 17.08 | 35.18 | 274 | 1732 | 261 | 82.9 |
| SES 36927RR | 321.0 | 100 | 11238 | 107 | 0.98 | 17.03 | 34.99 | 236 | 1703 | 221 | 71.0 |
| Hilleshög 4062RR* | 319.0 | 99 | 11102 | 106 | 1.05 | 17.00 | 34.82 | 270 | 1707 | 264 | 81.4 |
| Seedex Ultra RR | 324.2 | 101 | 11100 | 106 | 0.95 | 17.15 | 34.21 | 241 | 1600 | 223 | 78.5 |
| SES H36921RR | 311.7 | 97 | 11044 | 105 | 0.96 | 16.55 | 35.36 | 271 | 1664 | 206 | 74.6 |
| Beta 78RR10 | 327.2 | 102 | 10818 | 103 | 1.05 | 17.40 | 32.99 | 225 | 1689 | 280 | 60.6 |
| Crystal RR610 | 330.2 | 103 | 10696 | 102 | 1.03 | 17.53 | 32.36 | 240 | 1642 | 273 | 74.3 |
| Seedex SX0904RR | 303.3 | 94 | 10692 | 102 | 1.01 | 16.17 | 35.26 | 319 | 1673 | 220 | 86.6 |
| Hilleshög 4012RR* | 317.7 | 99 | 10675 | 102 | 1.08 | 16.96 | 33.53 | 382 | 1655 | 255 | 74.5 |
| Crystal RR806 | 317.8 | 99 | 10489 | 100 | 1.19 | 17.08 | 33.00 | 374 | 1861 | 290 | 62.4 |
| SES H36822RR | 322.0 | 100 | 10425 | 99 | 1.00 | 17.10 | 32.37 | 248 | 1639 | 247 | 71.0 |
| SES H36821RR | 323.2 | 101 | 10425 | 99 | 0.97 | 17.13 | 32.24 | 210 | 1605 | 251 | 71.0 |
| Beta 77RR54 | 335.1 | 104 | 10336 | 99 | 1.01 | 17.77 | 30.75 | 307 | 1637 | 235 | 60.9 |
| Crystal RR811 | 307.7 | 96 | 10084 | 96 | 1.03 | 16.41 | 32.74 | 340 | 1635 | 240 | 51.5 |
| Crystal RR632 | 313.0 | 98 | 9915 | 95 | 0.96 | 16.61 | 31.65 | 293 | 1548 | 228 | 69.8 |
| Beta 85RR02 | 329.0 | 102 | 9779 | 93 | 1.04 | 17.49 | 29.69 | 286 | 1768 | 233 | 70.7 |
| Beta 78RR20 | 330.9 | 103 | 9600 | 92 | 1.00 | 17.55 | 29.03 | 333 | 1534 | 246 | 55.3 |
| Crystal RR539 | 319.0 | 99 | 8884 | 85 | 1.12 | 17.07 | 27.73 | 414 | 1658 | 274 | 52.8 |

* Varieties listed containing the H7-1 event are not being offered for sale and will not be available until all regulatory approvals are received.



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4012RR*

BIG TONS!

- High performing 104% rec/acre 3 year
- Exceptional Aphanomyces tolerance, 4.35 - 3 year
- Very strong field performance (2008-2010)
- High tonnage-type variety

| |
|-------------|
| EMERGENCE |
| APHANOMYCES |
| CERCOSPORA |
| SUGAR |
| YIELD |

4200RR*

APHANOMYCES TOLERANT, TONNAGE TYPE VARIETY

- New genetics for 2011
- High tonnage type variety
- Excellent 107.5% rec/acre - 2 year
- Exceptional 4.36 Aphanomyces rating - 2 year



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| RHIZOCTONIA |
| APHANOMYCES |
| CERCOSPORA |
| SUGAR |
| YIELD |

4022RR*

HIGH PERFORMING RHIZOCTONIA TOLERANT VARIETY!

- #1 ranked approved Rhizoctonia variety, 3.6 - 3 year
- 4.87 Aphanomyces rating, 3 year
- Excellent field performance (09-10)
- Proven disease tolerance to Rhizoctonia, Aphanomyces and Cercospora

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| RHIZOCTONIA |
| APHANOMYCES |
| CERCOSPORA |
| SUGAR |
| YIELD |

4204RR*

STRONG PERFORMANCE, BALANCED DISEASE PACKAGE

- New Genetics for 2011
- Solid 106.6% rec/acre - 2 year
- Moderate 3.88 Rhizoctonia rating - 2 year
- Good 4.91 Aphanomyces rating - 2 year
- High performing 106.6% rec/acre



| |
|-------------|
| RHIZOCTONIA |
| APHANOMYCES |
| CERCOSPORA |
| SUGAR |
| YIELD |

4062RR*

STACKED RHIZOCTONIA AND APHANOMYCES TOLERANCE!

- High Rhizoctonia (3.4) AND Aphanomyces tolerance (4.59)
- Outstanding 106% rec/acre - 3 year
- Very successful debut in 2010
- #1 in emergence for 3 year approval candidates

| |
|-------------|
| RHIZOCTONIA |
| APHANOMYCES |
| CERCOSPORA |
| SUGAR |
| YIELD |

| | |
|--|---|
| | Highly recommended |
| | Recommended in most situations |
| | Use with appropriate management or consider other options |
| | Not recommended |

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Syngenta's Hilleshög® brand would like to congratulate Minn-Dak Farmers Coop members on an extremely successful 2010 Sugarbeet crop. We are very pleased to have been a partner in that success by delivering high performing varieties with excellent emergence and disease tolerance packages.

Rhizoctonia Root and Crown Rot has once again been a major concern for growers throughout the region.

Syngenta's Hilleshög brand remains your leader in Rhizoctonia tolerance and is the first choice in controlling Rhizoctonia infection on your farm.

Our strong lineup of varieties for 2011 will once again provide you a foundation for success combining industry leading Rhizoctonia tolerance with the seed quality you expect.

I thank you for your business and look forward to working with you in 2011!

Mitch Wilson
District Sales Manager



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