

**North Central Research Extension Center—Minot
Barley Variety Trial on Fallow**

| Variety | Days to Head DAP ¹ | Plant Height in | % Plump >6/64 | % Thin <5/64 | Lodge 0-9 ² | Kernel Weight g/1000 | Test Weight lb/bu | Protein % | Grain Yield | | | | |
|----------------|--|-----------------------|---------------------|--------------------|---------------------------|----------------------------|-------------------------|--------------|-------------|-------|-------|-----------|-----------|
| | | | | | | | | | 2008 | 2009 | 2010 | Year 2 | Year 3 |
| Six-Row | | | | | | | | | | | | | |
| Celebration | 67 | 34 | 89 | 1.0 | 6.5 | 34.5 | 44.5 | 14.0 | 131.6 | 119.1 | 110.2 | 114.6 | 120.3 |
| Innovation | 66 | 34 | 91 | 0.7 | 7.0 | 36.1 | 44.7 | 12.7 | -- | -- | 101.3 | -- | -- |
| Lacey | 64 | 33 | 94 | 0.6 | 4.8 | 37.9 | 45.8 | 13.3 | 128.1 | 107.8 | 100.5 | 104.2 | 112.1 |
| Quest | 67 | 32 | 85 | 1.1 | 5.8 | 34.5 | 43.2 | 12.3 | 128.0 | 109.8 | 97.8 | 118.9 | 111.8 |
| Rasmusson | 65 | 29 | 90 | 0.8 | 3.5 | 37.7 | 45.1 | 11.8 | 125.0 | 122.5 | 99.2 | 110.9 | 115.6 |
| Robust | 66 | 35 | 92 | 0.9 | 3.8 | 36.4 | 45.2 | 13.5 | 116.2 | 112.0 | 87.3 | 99.6 | 105.1 |
| Stellar-ND | 65 | 32 | 96 | 0.3 | 4.3 | 37.6 | 44.0 | 12.8 | 120.2 | 114.0 | 97.6 | 105.8 | 110.6 |
| Tradition | 66 | 35 | 93 | 0.6 | 5.3 | 35.5 | 45.8 | 12.8 | 126.8 | 115.9 | 94.1 | 105.0 | 112.2 |
| Two-Row | | | | | | | | | | | | | |
| AC Metcalfe | 67 | 32 | 87 | 1.9 | 6.5 | 37.7 | 44.9 | 12.9 | 120.8 | 128.3 | 89.3 | 108.8 | 112.8 |
| Bowman | 65 | 30 | 91 | 1.4 | 6.3 | 40.2 | 47.0 | 13.6 | 107.6 | 121.3 | 95.4 | 108.4 | 108.1 |
| CDC Copeland | 69 | 34 | 89 | 1.5 | 4.8 | 40.6 | 45.2 | 12.4 | 130.7 | 125.3 | 95.1 | 110.2 | 117.0 |
| Conlon | 62 | 33 | 93 | 0.9 | 7.0 | 43.5 | 47.8 | 13.5 | 99.1 | 120.2 | 96.0 | 108.1 | 105.1 |
| Conrad | 68 | 28 | 88 | 2.1 | 4.0 | 38.0 | 45.8 | 13.1 | 134.7 | 126.8 | 102.9 | 114.8 | 121.5 |
| Harrington | 70 | 33 | 74 | 3.3 | 4.5 | 36.1 | 45.2 | 13.3 | 128.0 | 128.4 | 90.7 | 109.5 | 115.7 |
| Haxby | 67 | 35 | 88 | 2.3 | 6.8 | 41.9 | 49.0 | 13.3 | 149.4 | 132.2 | 114.2 | 123.2 | 131.9 |
| Hockett | 68 | 29 | 90 | 2.1 | 5.8 | 42.7 | 46.0 | 13.0 | 137.8 | 133.7 | 95.0 | 114.3 | 122.2 |
| Lilly | 68 | 28 | 83 | 1.9 | 6.0 | 39.9 | 45.2 | 11.9 | -- | -- | 100.3 | -- | -- |
| Pinnacle | 66 | 31 | 92 | 1.4 | 3.3 | 47.0 | 43.5 | 11.3 | 133.7 | 129.5 | 102.6 | 116.0 | 121.9 |
| Rawson | 65 | 31 | 95 | 0.6 | 2.5 | 49.3 | 43.5 | 11.5 | 122.4 | 122.8 | 96.0 | 109.4 | 113.7 |
| Scarlett | 70 | 28 | 90 | 0.8 | 6.3 | 37.3 | 45.7 | 12.5 | 126.9 | 107.8 | 88.8 | 98.3 | 107.8 |
| Sunshine | 69 | 27 | 88 | 1.2 | 4.3 | 40.6 | 45.5 | 12.8 | -- | -- | 102.2 | -- | -- |
| LSD 5% | 2 | 3 | 4 | 0.7 | 2.5 | 2.3 | 1.2 | 0.9 | 13.3 | 10.1 | 13.2 | -- | -- |
| C.V.% | 1.6 | 6.2 | 3.4 | 44.8 | 38.7 | 4.2 | 1.9 | 5.0 | 7.5 | 6.0 | 9.6 | -- | -- |
| Mean | 66 | 32 | 91 | 1.1 | 4.6 | 38.9 | 45.0 | 12.5 | 126.5 | 118.6 | 97.6 | -- | -- |

Planted on April 22 with a seeding rate of 1 million PLS and harvested on August 16.

¹ DAP = Days after planting.

² Lodging score based on scale 0-9 (0 = upright, 9 = flat).