

NDSU Hettinger Research Extension Center

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| Barley - 2023 | Hettinger, ND |
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| Variety | Days to Head | Plant Height | Plant Lodge | Plump | Test Weight | Grain Protein | ----- Grain Yield ----- | | | Average Yield | |
|------------------------------|------------------|--------------|------------------|-------|-------------|---------------|-------------------------|-------|-------|---------------|------|
| | DAP ¹ | inches | 0-9 ² | % | lbs/bu | % | 2021 | 2022 | 2023 | 2 yr | 3 yr |
| ----- Bushels per acre ----- | | | | | | | | | | | |
| TWO ROW | | | | | | | | | | | |
| AAC Connect | 63 | 30 | 0 | 91 | 38.1 | 11.8 | 46.4 | 94.6 | 121.8 | 108.2 | 87.6 |
| AAC Synergy | 62 | 31 | 0 | 92 | 36.4 | 12.4 | 47.5 | 103.4 | 134.7 | 119.1 | 95.2 |
| ABI Cardinal | 60 | 28 | 0 | 94 | 40.3 | 11.7 | 50.3 | 93.9 | 124.2 | 109.1 | 89.5 |
| Brewski | 60 | 30 | 0 | 92 | 44.5 | 11.9 | 60.1 | 105.1 | 132.3 | 118.7 | 99.1 |
| CDC Fraser | 64 | 32 | 0 | 93 | 38.6 | 11.7 | 45.9 | 101.2 | 125.8 | 113.5 | 91.0 |
| CDC Praire | 61 | 31 | 0 | 90 | 38.6 | 11.8 | -- | -- | 111.0 | -- | -- |
| Conlon | 52 | 27 | 0 | 96 | 41.7 | 12.6 | 43.9 | 95.2 | 94.4 | 94.8 | 77.8 |
| Explorer | 61 | 23 | 0 | 91 | 45.7 | 12.6 | 54.3 | 105.3 | 124.2 | 114.7 | 94.6 |
| Firefoxx | 63 | 25 | 0 | 93 | 43.4 | 10.1 | -- | -- | 110.7 | -- | -- |
| ND Genesis | 58 | 31 | 0 | 93 | 46.0 | 11.0 | 57.5 | 95.6 | 140.8 | 118.2 | 98.0 |
| Pinnacle | 57 | 30 | 0 | 91 | 44.3 | 10.5 | 54.8 | 85.7 | 96.2 | 90.9 | 78.9 |
| Winston | 69 | 25 | 0 | 95 | 44.3 | 10.6 | -- | -- | 116.1 | -- | -- |
| SIX ROW | | | | | | | | | | | |
| ND Treasure | 55 | 28 | 0 | 90 | 40.6 | 12.1 | 51.5 | 108.5 | 132.1 | 120.3 | 97.4 |
| Tradition | 55 | 30 | 0 | 93 | 42.4 | 12.3 | 50.4 | 101.6 | 115.8 | 108.7 | 89.3 |
| Trial Mean | 59 | 29 | 0 | 92 | 41.8 | 11.7 | 53.1 | 98.0 | 119.5 | 108.8 | 90.4 |
| C.V. % | 1.6 | 5.7 | -- | 2.4 | 3.2 | 4.7 | 9.4 | 5.2 | 6.9 | -- | -- |
| LSD 5% | 1.1 | 2.0 | -- | 2.6 | 1.6 | 0.7 | 5.9 | 6.1 | 9.8 | -- | -- |
| LSD 10% | 0.9 | 1.5 | -- | 2.0 | 1.2 | 0.6 | 4.6 | 4.7 | 7.6 | -- | -- |

¹ Days to Head = the number of days from planting to head emergence from the boot.

² 0 = no lodging, 9 = 100% lodged.

Planting Date: April 24

Harvest Date: August 11

Previous Crop: Cover Crop Mix