

**NDSU Carrington Research Extension Center
2021 Variety Trial Data**

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| Barley - No-till | Carrington |
|-------------------------|-------------------|

| Variety | Days to Head | Plant Height inch | Plant Lodge 0 to 9 | Plump >6/64 % | Thin <5/64 % | --- Grain Protein --- | | ---- Grain Yield ---- | | |
|----------------|-----------------|-------------------------|--------------------------|---------------------|--------------------|-----------------------|--------------------|-------------------------|------------------------|------|
| | | | | | | 2021 | 2-yr. Avg. % | Test Weight lb/bu | 2-yr. Avg. bu/ac | |
| Two Row | | | | | | | | | | |
| Conlon | 64.5 | 19.3 | 4.5 | 98.1 | 0.2 | 13.8 | 14.3 | 52.1 | 58.8 | 58.3 |
| Pinnacle | 67.0 | 21.3 | 2.8 | 96.0 | 0.4 | 12.4 | 12.8 | 51.0 | 65.0 | 62.2 |
| ND Genesis | 69.5 | 25.2 | 1.5 | 96.3 | 0.2 | 12.6 | 12.6 | 48.4 | 68.1 | 69.6 |
| AAC Synergy | 71.8 | 23.8 | 2.8 | 96.0 | 0.5 | 13.7 | 14.3 | 49.7 | 63.4 | 64.9 |
| CDC Bow | 74.3 | 23.6 | 1.8 | 95.5 | 0.4 | 13.8 | 13.9 | 48.6 | 60.3 | 62.7 |
| CDC Fraser | 73.5 | 21.5 | 2.0 | 94.8 | 0.4 | 13.4 | -- | 48.1 | 62.0 | -- |
| Explorer | 75.0 | 19.9 | 2.8 | 96.8 | 0.2 | 13.9 | -- | 50.9 | 61.8 | -- |
| AAC Connect | 73.0 | 21.7 | 1.8 | 96.1 | 0.5 | 14.1 | 14.4 | 50.6 | 62.2 | 60.2 |
| Brewski | 71.5 | 23.5 | 2.5 | 96.8 | 0.2 | 13.3 | -- | 49.6 | 65.0 | -- |
| ABI Cardinal | 73.0 | 21.7 | 2.5 | 95.2 | 0.5 | 13.8 | -- | 48.3 | 64.7 | -- |
| Six Row | | | | | | | | | | |
| Tradition | 64.0 | 24.2 | 1.8 | 95.1 | 0.3 | 13.9 | 14.9 | 50.7 | 63.1 | 63.1 |
| MEAN | 70.2 | 22.3 | 2.2 | 95.7 | 0.3 | 13.5 | -- | 49.7 | 63.4 | -- |
| C.V. (%) | 2.9 | 7.0 | 24.9 | 1.0 | 29.6 | 2.8 | -- | 1.1 | 9.8 | -- |
| LSD 0.10 | 2.4 | 1.9 | 0.7 | 1.1 | 0.1 | 0.4 | -- | 0.7 | NS | -- |
| LSD 0.05 | 2.9 | 2.2 | 0.8 | 1.4 | 0.2 | 0.5 | -- | 0.8 | NS | -- |

Planting Date = April 23; Harvest Date = August 6; Previous Crop = Barley

Barley seeding rate used in this trial was 1,100,000 pure live seeds acre⁻¹.