

**NDSU Carrington Research Extension Center  
2018 Variety Trial Data**

**Barley** **Barnes County - Dazey**

| Variety        | Days to<br>Head | Plant<br>Height<br>inch | Plant<br>Lodge<br>0-9 | Plump<br>>6/64<br>% | Thin<br><5/64<br>% | -- Grain Protein -- |                     | Test<br>Weight<br>lb/bu | ----- Grain Yield ----- |                     |                     |
|----------------|-----------------|-------------------------|-----------------------|---------------------|--------------------|---------------------|---------------------|-------------------------|-------------------------|---------------------|---------------------|
|                |                 |                         |                       |                     |                    | 2018<br>----- %     | 3-yr.<br>Avg. ----- |                         | 2018<br>-----           | 2-yr.<br>Avg. ----- | 3-yr.<br>Avg. ----- |
| <b>Six Row</b> |                 |                         |                       |                     |                    |                     |                     |                         |                         |                     |                     |
| Lacey          | 44.0            | 33.7                    | 5.8                   | 87.8                | 2.4                | 14.2                | 14.4                | 45.4                    | 110.8                   | 106.2               | 111.5               |
| Tradition      | 44.3            | 33.3                    | 5.5                   | 89.2                | 2.1                | 13.5                | 13.8                | 45.1                    | 110.8                   | 114.4               | 112.5               |
| Stellar-ND     | 44.0            | 33.3                    | 6.0                   | 88.0                | 2.0                | 13.8                | 13.7                | 44.2                    | 103.3                   | 107.4               | 113.2               |
| Celebration    | 44.3            | 31.1                    | 6.5                   | 90.0                | 1.8                | 14.5                | 15.1                | 44.4                    | 106.2                   | 112.2               | 115.0               |
| Quest          | 44.8            | 31.5                    | 7.8                   | 77.9                | 5.1                | 14.3                | 14.5                | 42.5                    | 85.9                    | 96.9                | 96.2                |
| Innovation     | 44.3            | 33.9                    | 3.5                   | 91.8                | 1.1                | 13.9                | 14.0                | 45.5                    | 119.3                   | 120.2               | 121.9               |
| <b>Two Row</b> |                 |                         |                       |                     |                    |                     |                     |                         |                         |                     |                     |
| Pinnacle       | 45.3            | 31.9                    | 7.8                   | 80.9                | 4.9                | 12.7                | 12.8                | 38.6                    | 63.0                    | 84.8                | 82.3                |
| ND Genesis     | 48.0            | 29.9                    | 6.8                   | 89.7                | 2.5                | 13.9                | 12.5                | 44.5                    | 91.5                    | 100.1               | 105.6               |
| AAC Synergy    | 47.5            | 31.7                    | 5.8                   | 90.7                | 2.5                | 13.5                | 13.7                | 45.4                    | 100.8                   | 103.3               | 108.2               |
| Sirish         | 47.5            | 29.3                    | 5.5                   | 93.8                | 1.2                | 12.8                | 13.9                | 45.0                    | 98.6                    | 98.2                | 95.2                |
| ABI Balster    | 47.5            | 28.9                    | 5.8                   | 89.2                | 2.8                | 14.6                | 14.7                | 45.1                    | 88.7                    | 100.5               | 98.2                |
| ABI Growler    | 46.8            | 29.1                    | 7.0                   | 87.0                | 3.7                | 14.0                | 14.8                | 43.8                    | 95.8                    | 96.9                | 92.4                |
| LCS Odyssey    | 48.0            | 27.8                    | 8.0                   | 88.8                | 2.4                | 12.4                | 13.2                | 40.4                    | 75.0                    | 83.3                | 82.9                |
| Explorer       | 45.8            | 28.5                    | 6.0                   | 92.0                | 1.7                | 13.0                | --                  | 45.4                    | 108.0                   | 109.4               | --                  |
| MEAN           | 45.8            | 31.0                    | 6.3                   | 88.3                | 2.6                | 13.6                | --                  | 43.9                    | 97.0                    | --                  | --                  |
| C.V. (%)       | 1.4             | 4.5                     | 19.0                  | 3.7                 | 40.9               | 5.8                 | --                  | 2.8                     | 13.7                    | --                  | --                  |
| LSD 0.10       | 0.7             | 1.7                     | 1.4                   | 3.9                 | 1.3                | 0.9                 | --                  | 1.4                     | 15.8                    | --                  | --                  |
| LSD 0.05       | 0.9             | 2.0                     | 1.7                   | 4.7                 | 1.5                | 1.1                 | --                  | 1.7                     | 19.0                    | --                  | --                  |

**Planting Date = May 15 ; Harvest Date = August 10 ; Previous Crop = Soybean**

\*\* Barley seeding rate used in this trial was 1,100,000 pure live seeds acre<sup>-1</sup>.