

2008 BARLEY VARIETY

WILLISTON RESEARCH EXTENSION CENTER - MOUNTRAIL COUNTY, STANLEY

| Cultivar | Plant Height inches | % Plump >6/64 | % Thin <5/64 | Test Weight lbs/bu | Grain Protein % | ----- Grain Yield ----- | | | <u>Average Yield</u> | |
|----------------|------------------------|------------------|-----------------|-----------------------|--------------------|-----------------------------|------|------|----------------------|------|
| | | | | | | 2006 | 2007 | 2008 | 2 yr | 3 yr |
| | | | | | | -----Bushels per acre ----- | | | | |
| Six Row | | | | | | | | | | |
| Drummond | 22 | 91.2 | 0.9 | 51.5 | 11.3 | 67.8 | 73.6 | 48.9 | 61.3 | 63.4 |
| Lacey | 23 | 92.4 | 0.8 | 50.6 | 11.4 | 68.7 | 79.2 | 55.1 | 67.1 | 67.7 |
| Legacy | 23 | 89.8 | 0.8 | 50.0 | 10.9 | 66.7 | 72.1 | 52.4 | 62.2 | 63.7 |
| Rasmusson | 21 | 87.6 | 1.0 | 50.5 | 11.0 | -- | -- | 56.1 | -- | -- |
| Robust | 22 | 86.3 | 1.3 | 50.6 | 10.8 | 68.9 | 69.0 | 40.1 | 54.6 | 59.3 |
| Stellar-ND | 23 | 93.2 | 0.9 | 50.5 | 11.4 | 68.4 | 78.7 | 46.7 | 62.7 | 64.6 |
| Tradition | 23 | 84.6 | 0.7 | 51.6 | 12.0 | 76.8 | 82.4 | 51.0 | 66.7 | 70.1 |
| Two Row | | | | | | | | | | |
| AC Melcalfe | 22 | 91.3 | 0.9 | 51.4 | 10.3 | 65.1 | 58.5 | 55.0 | 56.7 | 59.5 |
| CDC Copeland | 21 | 88.9 | 1.4 | 50.0 | 9.7 | -- | 63.1 | 47.5 | 55.3 | -- |
| Conlon | 20 | 93.0 | 0.8 | 51.1 | 11.1 | 70.1 | 70.3 | 45.3 | 57.8 | 61.9 |
| Conrad | 18 | 91.1 | 1.3 | 50.9 | 10.4 | -- | 63.2 | 50.9 | 57.1 | -- |
| Hockett | 19 | 95.6 | 0.9 | 53.1 | 10.0 | -- | -- | 52.0 | -- | -- |
| Pinnacle | 21 | 88.5 | 1.4 | 51.0 | 8.9 | 74.5 | 72.0 | 56.1 | 64.1 | 67.5 |
| Rawson | 23 | 97.1 | 0.7 | 51.8 | 10.6 | 81.6 | 75.5 | 43.5 | 59.5 | 66.9 |
| Scarlett | 19 | 90.8 | 1.0 | 50.7 | 9.4 | -- | -- | 53.2 | -- | -- |
| TRIAL MEAN | 21 | 90.7 | 1.0 | 51.0 | 10.6 | 70.9 | 71.5 | 50.3 | -- | -- |
| C.V. % | 7 | 6.1 | 46.1 | 2.0 | 6.5 | 8.0 | 7.9 | 9.9 | -- | -- |
| LSD 5% | 3 | NS | NS | NS | 1.5 | NS | 9.5 | 8.3 | -- | -- |

Planted: April 29th notill into durum stubble.

Harvested: August 19