

2008 BARLEY VARIETY

WILLISTON RESEARCH EXTENSION CENTER - MOUNTRAIL COUNTY, NEW TOWN

| Cultivar | Plant | Lodge | Stem | Test | Grain | % | % | ----- Grain Yield ----- | | | Average Yield | | |
|----------------|--------|-------|-------|--------|---------|-------|-------|-----------------------------|------|------|---------------|------|--|
| | Height | | Break | Weight | Protein | Plump | Thin | 2006 | 2007 | 2008 | 2 yr | 3 yr | |
| | inches | % | % | lbs/bu | % | >6/64 | <5/64 | -----Bushels per acre ----- | | | | | |
| Six Row | | | | | | | | | | | | | |
| Drummond | 28 | 40 | 25 | 43.2 | 12.4 | 39.7 | 12.4 | 43.7 | 70.8 | 50.7 | 60.8 | 55.1 | |
| Lacey | 27 | 48 | 37 | 41.8 | 12.0 | 34.8 | 17.5 | 49.8 | 71.5 | 43.2 | 57.3 | 54.8 | |
| Legacy | 26 | 48 | 24 | 41.3 | 11.7 | 26.7 | 25.1 | 42.6 | 66.1 | 40.4 | 53.2 | 49.7 | |
| Rasmusson | 27 | 63 | 43 | 42.7 | 11.8 | 39.4 | 17.7 | -- | -- | 44.8 | -- | -- | |
| Robust | 29 | 75 | 53 | 42.5 | 11.6 | 45.6 | 12.5 | 43.1 | 63.1 | 41.7 | 52.4 | 49.3 | |
| Stellar-ND | 26 | 68 | 52 | 40.9 | 12.5 | 32.5 | 19.6 | 49.6 | 67.2 | 36.2 | 51.7 | 51.0 | |
| Tradition | 28 | 28 | 17 | 42.3 | 13.1 | 29.8 | 17.0 | 50.3 | 74.4 | 49.7 | 62.1 | 58.1 | |
| Two Row | | | | | | | | | | | | | |
| AC Melcalfe | 26 | 13 | 8 | 42.6 | 14.7 | 23.8 | 16.1 | 41.8 | 62.8 | 44.1 | 53.4 | 49.6 | |
| CDC Copeland | 24 | 8 | 12 | 43.8 | 12.8 | 33.3 | 7.1 | -- | 70.3 | 44.1 | 57.2 | -- | |
| Conlon | 26 | 55 | 62 | 47.4 | 12.9 | 83.3 | 1.5 | 54.5 | 60.3 | 49.5 | 54.9 | 54.8 | |
| Conrad | 23 | 3 | 5 | 46.4 | 14.3 | 40.5 | 7.2 | -- | 71.5 | 50.9 | 61.2 | -- | |
| Hockett | 25 | 0 | 4 | 46.6 | 13.0 | 43.7 | 8.6 | -- | -- | 50.5 | -- | -- | |
| Pinnacle | 25 | 83 | 52 | 40.3 | 11.5 | 64.5 | 4.7 | 48.0 | 68.1 | 50.0 | 59.0 | 55.3 | |
| Rawson | 27 | 35 | 24 | 45.7 | 11.6 | 79.6 | 1.5 | 51.7 | 68.2 | 51.4 | 59.8 | 57.1 | |
| Scarlett | 20 | 0 | 1 | 46.5 | 12.3 | 43.5 | 4.9 | -- | -- | 52.8 | -- | -- | |
| TRIAL MEAN | 26 | 38 | 28 | 43.6 | 12.5 | 44.0 | 11.5 | 62.6 | 67.9 | 46.7 | -- | -- | |
| C.V. % | 5 | 53 | 76 | 6.0 | 7.8 | 11.3 | 74.6 | 7.7 | 6.6 | 14.2 | -- | -- | |
| LSD 5% | 2 | 43 | 36 | NS | NS | 10.6 | NS | 8.1 | 7.6 | NS | -- | -- | |

Planted: April 29th notill into canola stubble.

Harvested: August 8

Grain protein percentages reported on a 0% moisture basis.