

2009 BARLEY VARIETY

WILLISTON RESEARCH EXTENSION CENTER - MOUNTRAIL COUNTY, STANLEY

| Cultivar       | Plant Height<br>inches | Test Weight<br>lbs/bu | Grain Protein<br>% | % Plump<br>>6/64 | % Thin<br><5/64 | ----- Grain Yield ----- |      |       | Average Yield |      |
|----------------|------------------------|-----------------------|--------------------|------------------|-----------------|-------------------------|------|-------|---------------|------|
|                |                        |                       |                    |                  |                 | 2007                    | 2008 | 2009  | 2 yr          | 3 yr |
|                |                        |                       |                    |                  |                 | ----- bus/a -----       |      |       |               |      |
| <b>Six Row</b> |                        |                       |                    |                  |                 |                         |      |       |               |      |
| Drummond       | 34                     | 52.2                  | 12.3               | 93.7             | 1.0             | 73.6                    | 48.9 | 110.1 | 79.5          | 77.5 |
| Lacey          | 33                     | 52.9                  | 12.7               | 95.4             | 0.8             | 79.2                    | 55.1 | 121.0 | 88.0          | 85.1 |
| Legacy         | 33                     | 51.9                  | 12.0               | 93.2             | 0.9             | 72.1                    | 52.4 | 122.0 | 87.2          | 82.2 |
| Rasmusson      | 33                     | 52.6                  | 12.1               | 95.0             | 0.6             | --                      | 56.1 | 123.7 | 89.9          | --   |
| Celebration    | 34                     | 52.9                  | 12.8               | 94.3             | 0.8             | --                      | --   | 120.9 | --            | --   |
| Stellar-ND     | 34                     | 52.1                  | 11.8               | 96.0             | 0.9             | 78.7                    | 52.0 | 114.0 | 83.0          | 81.6 |
| Tradition      | 34                     | 53.6                  | 12.2               | 96.0             | 0.7             | 82.4                    | 51.0 | 128.8 | 89.9          | 87.4 |
| <b>Two Row</b> |                        |                       |                    |                  |                 |                         |      |       |               |      |
| AC Melcalfe    | 35                     | 54.1                  | 12.2               | 92.1             | 2.0             | 58.5                    | 55.0 | 112.3 | 83.6          | 75.3 |
| CDC Copeland   | 36                     | 53.2                  | 11.9               | 93.3             | 1.6             | 63.1                    | 47.5 | 117.9 | 82.7          | 76.2 |
| Conlon         | 31                     | 54.2                  | 12.4               | 95.3             | 0.7             | 70.3                    | 45.3 | 81.0  | 63.2          | 65.5 |
| Conrad         | 31                     | 53.2                  | 13.0               | 91.4             | 2.3             | 63.2                    | 50.9 | 105.1 | 78.0          | 73.1 |
| Pinnacle       | 33                     | 54.7                  | 10.8               | 95.4             | 1.2             | 72.0                    | 56.1 | 120.0 | 88.0          | 82.7 |
| Rawson         | 34                     | 53.1                  | 11.7               | 95.1             | 0.8             | 75.5                    | 43.5 | 105.0 | 74.2          | 74.7 |
| MEAN           | 33                     | 53.0                  | 12.1               | 94.0             | 1.1             | 71.5                    | 50.3 | 113.7 | --            | --   |
| C.V. %         | 4                      | 0.4                   | 3.3                | 1.0              | 28.0            | 7.9                     | 9.9  | 6.4   | --            | --   |
| LSD 5%         | 2                      | 0.5                   | 0.8                | 2.0              | 0.7             | 9.5                     | 8.3  | 12.2  | --            | --   |

Planted: May 11th notill into canola stubble.

Harvested: September 2

Grain protein percentages reported on a 0% moisture basis.