

NDSU Langdon Research Extension Center
2014 Variety Trial

Hard Red Spring Wheat - 2014 **Towner County - Cando**

| Variety | Days to Head | Plant Height | Lodging | Test Weight | Protein % | DON* | Grain Yield | | | Average Yield | |
|---------------|--------------|--------------|---------|-------------|-----------|------|----------------|------|------|---------------|--------|
| | | | | | | | 2012 | 2013 | 2014 | 2 year | 3 year |
| | | in | 0-9 | lbs/bu | % | ppm | -----bu/a----- | | | | |
| Faller | 51.6 | 36.2 | 6.5 | 58.6 | 14.1 | 2.4 | 71.2 | 84.5 | 84.0 | 84.2 | 79.9 |
| Barlow | 49.2 | 37.2 | 2.6 | 59.9 | 15.1 | 1.8 | 64.1 | 73.0 | 74.8 | 73.9 | 70.6 |
| Prosper | 51.7 | 37.2 | 6.4 | 58.3 | 14.3 | 3.7 | 69.9 | 79.4 | 79.0 | 79.2 | 76.1 |
| Elgin-ND | 51.7 | 37.7 | 5.1 | 58.0 | 14.9 | 3.8 | 63.4 | 75.3 | 71.3 | 73.3 | 70.0 |
| RB07 | 49.8 | 34.3 | 3.2 | 57.9 | 14.6 | 2.0 | 71.1 | 75.2 | 73.1 | 74.2 | 73.1 |
| Rollag | 51.1 | 33.2 | 0.3 | 59.9 | 15.4 | 1.8 | 60.2 | 68.3 | 70.1 | 69.2 | 66.2 |
| Norden | 50.0 | 34.7 | 0.2 | 60.7 | 14.3 | 1.7 | 58.5 | 74.0 | 71.0 | 72.5 | 67.8 |
| Linkert | 52.3 | 33.1 | 0.3 | 57.9 | 15.1 | 5.5 | -- | 69.5 | 63.5 | 66.5 | -- |
| Advance | 53.0 | 34.1 | 4.0 | 58.6 | 14.1 | 7.1 | 61.4 | 78.0 | 64.1 | 71.0 | 67.8 |
| Forefront* | 49.1 | 40.7 | 7.7 | 59.0 | 14.9 | 1.5 | 66.2 | 58.4 | 76.3 | 67.4 | 67.0 |
| Prevail | 51.8 | 36.1 | 5.4 | 58.5 | 14.0 | 3.8 | -- | -- | 73.7 | -- | -- |
| Jenna | 55.0 | 34.4 | 0.8 | 57.2 | 14.9 | 7.5 | 64.2 | 73.3 | 70.2 | 71.7 | 69.2 |
| SY Soren | 50.0 | 32.6 | 1.1 | 58.8 | 14.5 | 2.6 | 65.5 | 71.3 | 66.8 | 69.1 | 67.9 |
| SY Rowyn | 50.7 | 35.0 | 0.9 | 59.2 | 14.3 | 1.5 | -- | 73.4 | 77.6 | 75.5 | -- |
| SY Ingmar | 51.3 | 32.8 | 1.3 | 59.1 | 15.0 | 1.9 | -- | -- | 74.4 | -- | -- |
| WB Mayville | 51.5 | 33.2 | 0.0 | 58.0 | 14.8 | 4.6 | 64.3 | 68.2 | 65.9 | 67.0 | 66.1 |
| Vantage | 55.0 | 35.1 | 4.2 | 59.5 | 17.2 | 5.8 | 49.8 | 69.5 | 60.6 | 65.1 | 60.0 |
| WB9507 | 50.0 | 36.0 | 3.5 | 58.5 | 14.6 | 2.3 | -- | -- | 93.2 | -- | -- |
| WB Digger | 53.7 | 34.6 | 3.2 | 56.3 | 14.6 | 7.1 | 68.1 | 84.7 | 65.2 | 75.0 | 72.7 |
| Samson | 51.6 | 34.8 | 0.2 | 57.2 | 14.0 | 7.4 | 63.6 | 76.7 | 80.8 | 78.8 | 73.7 |
| LCS Albany | 55.2 | 36.1 | 5.5 | 57.7 | 14.3 | 5.3 | 59.9 | 77.8 | 67.0 | 72.4 | 68.2 |
| LCS Powerplay | 51.0 | 34.1 | 4.6 | 59.5 | 14.8 | 4.0 | 60.5 | 80.6 | 73.6 | 77.1 | 71.6 |
| LCS Breakaway | 49.5 | 32.7 | 2.8 | 60.4 | 14.9 | 3.4 | 65.0 | 72.1 | 72.3 | 72.2 | 69.8 |
| LCS Iguaca | 54.4 | 35.9 | 1.6 | 58.7 | 11.7 | 4.7 | -- | -- | 73.6 | -- | -- |
| LCS Nitro | 54.3 | 33.8 | 1.8 | 57.0 | 12.9 | 3.5 | -- | -- | 76.2 | -- | -- |
| HRS 3378 | 52.5 | 34.1 | 3.7 | 58.1 | 13.3 | 3.7 | -- | -- | 66.3 | -- | -- |
| HRS 3361 | 52.5 | 35.2 | 0.7 | 58.1 | 13.9 | 4.2 | -- | -- | 73.1 | -- | -- |
| HRS 3419 | 55.4 | 36.2 | 0.0 | 57.7 | 13.7 | 4.0 | -- | -- | 77.4 | -- | -- |
| Trial Mean | 51.8 | 35.1 | 2.9 | 58.6 | 14.5 | 3.8 | 63.9 | 73.9 | 72.9 | -- | -- |
| C.V. % | 1.3 | 3.2 | 32.9 | 0.9 | 1.5 | 19.6 | 5.2 | 5.8 | 5.4 | -- | -- |
| LSD 10% | 0.8 | 1.3 | 1.1 | 0.6 | 0.3 | 1.3 | 4.0 | 5.1 | 4.6 | -- | -- |
| LSD 5% | 1.0 | 1.6 | 1.3 | 0.7 | 0.3 | 1.5 | 4.7 | 6.1 | 5.5 | -- | -- |

Planting Date: May 28

Harvest Date: September 15

*Forefront has some shelling prior to harvest in 2013

*DON test results reported as <0.5 ppm are listed as 0.3ppm. Data from 2 replications.