

**NDSU Langdon Research Extension Center**  
**2017 Variety Trial Data**

**Hard Red Spring Wheat - 2017** **Pembina County - Cavalier**

| Variety         | Days to Head | Plant Height | Lodging  | Test Weight | Protein %   | Grian Yield    |             |             | Average Yield |             |
|-----------------|--------------|--------------|----------|-------------|-------------|----------------|-------------|-------------|---------------|-------------|
|                 |              |              |          |             |             | 2015           | 2016        | 2017        | 2 year        | 3 year      |
|                 |              | in.          | 0-9      | lbs/bu      | %           | -----bu/a----- |             |             |               |             |
| Faller          | 53           | 38           | 0.6      | 62.5        | 13.0        | 49.9           | 60.5        | 96.3        | 78.4          | 68.9        |
| Prosper         | 53           | 37           | 1.5      | 62.1        | 13.3        | 49.3           | 56.8        | 93.2        | 75.0          | 66.4        |
| Elgin-ND        | 50           | 39           | 0.5      | 61.1        | 13.8        | 43.6           | 52.9        | 80.3        | 66.6          | 58.9        |
| ND VitPro       | 50           | 36           | 0.1      | 63.0        | 14.4        | --             | 49.7        | 73.0        | 61.4          | --          |
| Rollag          | 51           | 33           | 0        | 62.4        | 14.3        | 49.7           | 58.0        | 81.7        | 69.9          | 63.1        |
| Linkert         | 51           | 31           | 0.1      | 61.0        | 14.3        | 52.7           | 56.1        | 68.8        | 62.4          | 59.2        |
| Bolles          | 54           | 35           | 0        | 61.4        | 15.3        | 43.8           | 48.1        | 76.2        | 62.2          | 56.0        |
| Shelly          | 52           | 34           | 0.1      | 62.7        | 13.2        | --             | 50.9        | 88.3        | 69.6          | --          |
| Lang-MN         | 55           | 39           | 0.2      | 63.0        | 14.6        | --             | --          | 80.4        | --            | --          |
| Boost           | 53           | 37           | 2.7      | 60.0        | 14.1        | --             | 44.4        | 77.6        | 61.0          | --          |
| Surpass         | 48           | 34           | 2.5      | 61.6        | 13.6        | --             | 46.0        | 79.2        | 62.6          | --          |
| SY Soren        | 50           | 31           | 0        | 61.3        | 13.7        | 45.9           | 54.0        | 77.6        | 65.8          | 59.2        |
| SY Rowyn        | 51           | 33           | 1.0      | 61.7        | 12.9        | 53.0           | 55.7        | 85.6        | 70.6          | 64.8        |
| SY Ingmar       | 51           | 33           | 0        | 61.3        | 14.1        | 56.2           | 55.4        | 78.1        | 66.8          | 63.2        |
| SY Valda        | 51           | 34           | 1.3      | 60.6        | 13.3        | 46.5           | 59.3        | 85.7        | 72.5          | 63.8        |
| WB Mayville     | 49           | 31           | 0        | 59.4        | 13.8        | 44.8           | 43.1        | 66.9        | 55.0          | 51.6        |
| WB9590          | 51           | 31           | 0        | 60.6        | 13.8        | --             | --          | 79.4        | --            | --          |
| WB9479          | 51           | 32           | 0        | 60.6        | 14.4        | --             | --          | 76.8        | --            | --          |
| LCS Breakaway   | 50           | 32           | 0        | 61.6        | 13.8        | 43.8           | 45.7        | 74.4        | 60.1          | 54.6        |
| LCS Prime       | 49           | 36           | 0        | 62.5        | 12.6        | --             | 45.7        | 85.6        | 65.6          | --          |
| LCS Rebel       | 49           | 37           | 1.6      | 62.1        | 13.8        | --             | --          | 82.9        | --            | --          |
| MS Camaro       | 50           | 31           | 0.1      | 61.3        | 13.6        | --             | --          | 73.1        | --            | --          |
| MS Chevelle     | 49           | 34           | 0.5      | 61.1        | 12.5        | --             | --          | 83.6        | --            | --          |
| HRS 3100        | 52           | 35           | 0        | 59.9        | 12.9        | --             | 61.3        | 79.0        | --            | --          |
| HRS 3419        | 55           | 36           | 0        | 60.7        | 12.5        | 59.8           | 68.4        | 93.8        | 81.1          | 74.0        |
| HRS 3504        | 53           | 32           | 0        | 59.6        | 13.1        | 50.9           | 57.1        | 74.8        | 66.0          | 60.9        |
| <b>HRS 3530</b> | <b>52</b>    | <b>38</b>    | <b>0</b> | <b>61.3</b> | <b>14.0</b> | <b>61.8</b>    | <b>56.9</b> | <b>88.0</b> | <b>72.4</b>   | <b>68.9</b> |
| HRS 3616        | 51           | 33           | 0        | 60.6        | 14.6        | --             | --          | 79.1        | --            | --          |
| Trial Mean      | 51.0         | 34.6         | 0.4      | 61.4        | 13.7        | 49.2           | 53.3        | 80.4        | --            | --          |
| C.V. %          | 1.0          | 3.1          | 89.4     | 0.72        | 1           | 1.7            | 10.3        | 7.8         | 3.3           | --          |
| LSD 5%          | 0.8          | 1.5          | 1.1      | 0.6         | 0.3         | 7.2            | 5.9         | 3.7         | --            | --          |
| LSD 10%         | 0.6          | 1.3          | 0.9      | 0.5         | 0.3         | 6.0            | 4.9         | 3.1         | --            | --          |

Planting Date: May 19

Harvest Date: August 31