

**NDSU North Central Research Extension Center**  
**2017 Hard Red Spring Wheat Variety Trial at Mohall**

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Association

| Variety    | Plant Height<br>inches | Lodging<br>0-9* | Test Weight<br>lbs/bu | Protein<br>% | Grain Yield    |      |      |                            |      |
|------------|------------------------|-----------------|-----------------------|--------------|----------------|------|------|----------------------------|------|
|            |                        |                 |                       |              | 2015           | 2016 | 2017 | -- Average --<br>2 yr 3 yr |      |
|            |                        |                 |                       |              | -----bu/A----- |      |      |                            |      |
| Faller     | 34                     | 0               | 56.9                  | 13.0         | 87.3           | 87.5 | 74.2 | 80.8                       | 83.0 |
| Elgin-ND   | 34                     | 0               | 58.1                  | 14.0         | 77.1           | 82.3 | 79.1 | 80.7                       | 79.5 |
| Redstone   | 31                     | 0               | 57.4                  | 13.8         | 71.8           | 96.9 | 68.3 | 82.6                       | 79.0 |
| SY Ingmar  | 32                     | 0               | 60.1                  | 14.0         | 72.6           | 82.2 | 80.3 | 81.3                       | 78.4 |
| Prosper    | 34                     | 0               | 56.3                  | 13.7         | 80.4           | 87.7 | 65.1 | 76.4                       | 77.7 |
| LCS Nitro  | 31                     | 0               | 56.1                  | 13.3         | 80.5           | 85.8 | 66.7 | 76.3                       | 77.7 |
| SY Soren   | 32                     | 0               | 58.9                  | 13.9         | 69.4           | 80.0 | 75.6 | 77.8                       | 75.0 |
| Barlow     | 36                     | 0               | 60.9                  | 14.0         | 63.0           | 79.1 | 82.8 | 80.9                       | 75.0 |
| Glenn      | 37                     | 0               | 61.4                  | 14.8         | 71.5           | 79.2 | 73.8 | 76.5                       | 74.8 |
| Bolles     | 31                     | 0               | 58.2                  | 15.5         | 76.6           | 74.2 | 68.7 | 71.5                       | 73.2 |
| SY Valda   | 30                     | 0               | 60.3                  | 13.1         | --             | 84.2 | 84.4 | 84.3                       | --   |
| Shelly     | 31                     | 0               | 60.1                  | 13.1         | --             | 84.2 | 82.4 | 83.3                       | --   |
| LCS Prime  | 34                     | 0               | 59.4                  | 12.7         | --             | 82.9 | 83.4 | 83.1                       | --   |
| HRS 3530   | 35                     | 0               | 57.5                  | 13.9         | --             | 84.7 | 71.2 | 78.0                       | --   |
| Boost      | 32                     | 0               | 60.3                  | 14.3         | --             | 76.5 | 79.2 | 77.9                       | --   |
| Linkert    | 29                     | 0               | 60.2                  | 14.5         | --             | 69.1 | 83.4 | 76.3                       | --   |
| ND VitPro  | 32                     | 0               | 60.5                  | 15.0         | --             | 74.8 | 75.8 | 75.3                       | --   |
| HRS 3419   | 31                     | 0               | 57.1                  | 13.2         | --             | 80.0 | 68.5 | 74.2                       | --   |
| Surpass    | 35                     | 0               | 59.7                  | 12.7         | --             | --   | 88.3 | --                         | --   |
| WB9653     | 31                     | 0               | 56.9                  | 13.7         | --             | --   | 76.1 | --                         | --   |
| Lang-MN    | 33                     | 0               | 60.2                  | 14.6         | --             | --   | 75.3 | --                         | --   |
| SY Rowyn   | 32                     | 0               | 58.2                  | 13.4         | --             | --   | 71.1 | --                         | --   |
| Trial Mean | 33                     | 0               | 59.0                  | 13.9         | 73.1           | 81.1 | 75.3 | --                         | --   |
| C.V.%      | 7.4                    | 0               | 1.7                   | 4.8          | 8.2            | 7.4  | 6.5  | --                         | --   |
| LSD 5%     | 3                      | NS              | 1.4                   | 0.9          | 8.4            | 8.4  | 6.9  | --                         | --   |
| LSD 10%    | 3                      | NS              | 1.2                   | 0.8          | 7.0            | 7.0  | 5.7  | --                         | --   |

\*Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on April 30 with a seeding rate of 1.25 million PLS/A and harvested on August 17.

Previous Crop: 2014 = oat, 2015 = sunflower, 2016 = durum.

Tillage: minimum till

Soil Type: Barnes loam