

## 2018 Hard Red Spring Wheat Variety Trial at Mohall

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

| Variety      | Plant<br>Height<br>inches | Lodging<br>0-9* | Test<br>Weight<br>lbs/bu | Protein<br>% | Grain Yield    |      |      |                            |      |
|--------------|---------------------------|-----------------|--------------------------|--------------|----------------|------|------|----------------------------|------|
|              |                           |                 |                          |              | 2016           | 2017 | 2018 | -- Average --<br>2 yr 3 yr |      |
|              |                           |                 |                          |              | -----bu/A----- |      |      |                            |      |
| Faller       | 28                        | 0               | 57.6                     | 14.6         | 87.5           | 74.2 | 74.4 | 74.3                       | 78.7 |
| SY Valda     | 25                        | 0               | 59.9                     | 14.8         | 84.2           | 84.4 | 67.0 | 75.7                       | 78.5 |
| LCS Prime    | 26                        | 0               | 59.4                     | 13.6         | 82.9           | 83.4 | 65.0 | 74.2                       | 77.1 |
| Elgin ND     | 29                        | 0               | 57.2                     | 15.1         | 82.3           | 79.1 | 67.2 | 73.2                       | 76.2 |
| Barlow       | 27                        | 0               | 59.9                     | 15.6         | 79.1           | 82.8 | 63.8 | 73.3                       | 75.2 |
| HRS 3419     | 27                        | 0               | 57.8                     | 13.9         | 80.0           | 68.5 | 76.8 | 72.7                       | 75.1 |
| SY Ingmar    | 24                        | 0               | 59.9                     | 15.5         | 82.2           | 80.3 | 57.4 | 68.8                       | 73.3 |
| Prosper      | 28                        | 0               | 58.4                     | 15.1         | 87.7           | 65.1 | 65.5 | 65.3                       | 72.8 |
| Boost        | 29                        | 0               | 59.2                     | 15.5         | 76.5           | 79.2 | 60.2 | 69.7                       | 72.0 |
| LCS Nitro    | 25                        | 0               | 58.0                     | 14.5         | 85.8           | 66.7 | 62.9 | 64.8                       | 71.8 |
| Glenn        | 28                        | 0               | 60.4                     | 16.0         | 79.2           | 73.8 | 60.1 | 67.0                       | 71.0 |
| ND VitPro    | 28                        | 0               | 60.4                     | 15.7         | 74.8           | 75.8 | 58.0 | 66.9                       | 69.5 |
| SY Soren     | 25                        | 0               | 59.3                     | 15.8         | 80.0           | 75.6 | 52.8 | 64.2                       | 69.5 |
| Linkert      | 24                        | 0               | 59.3                     | 16.6         | 69.1           | 83.4 | 52.0 | 67.7                       | 68.2 |
| Bolles       | 27                        | 0               | 57.6                     | 16.6         | 74.2           | 68.7 | 54.3 | 61.5                       | 65.7 |
| Lang-MN      | 28                        | 0               | 59.5                     | 16.3         |                | 75.3 | 68.0 | 71.6                       |      |
| WB9653       | 25                        | 0               | 58.6                     | 15.1         |                | 76.1 | 61.0 | 68.5                       |      |
| SY Rowyn     | 26                        | 0               | 59.0                     | 14.9         |                | 71.1 | 56.2 | 63.7                       |      |
| TCG Spitfire | 27                        | 0               | 55.7                     | 13.9         |                |      | 75.9 |                            |      |
| SY Rockford  | 27                        | 0               | 57.2                     | 15.2         |                |      | 68.2 |                            |      |
| Mott         | 33                        | 0               | 58.7                     | 15.3         |                |      | 65.0 |                            |      |
| DG Ambush    | 27                        | 0               | 59.6                     | 15.4         |                |      | 60.4 |                            |      |
| MS Camaro    | 23                        | 0               | 59.0                     | 15.5         |                |      | 59.7 |                            |      |
| Rollag       | 24                        | 0               | 58.7                     | 15.7         |                |      | 51.9 |                            |      |
| Trial Mean   | 27                        | 0               | 58.8                     | 15.3         | 81.1           | 75.3 | 62.7 | --                         | --   |
| C.V.%        | 6.8                       | 0               | 1.4                      | 2.2          | 7.4            | 6.5  | 6.7  | --                         | --   |
| LSD 5%       | 3                         | NS              | 1.2                      | 0.5          | 8.4            | 6.9  | 5.9  | --                         | --   |
| LSD 10%      | 2                         | NS              | 1.0                      | 0.4          | 7.0            | 5.7  | 4.9  | --                         | --   |

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

NS = no statistical difference between varieties.

Planted on April 27 with a seeding rate of 1.25 million PLS/A and harvested on August 10.

Previous Crop: 2015 = sunflower, 2016 & 2017 = durum.

Tillage: minimum till

Soil Type: Barnes loam