

2018 Hard Red Spring Wheat Variety Trial at Wilton

Cooperator: Rod Binstock, Baldwin

| Variety | Plant Height inches | Lodging 0-9* | Test Weight lbs/bu | Protein % | Grain Yield | | | -- Average -- | |
|--------------|---------------------------|-----------------|--------------------------|--------------|----------------|------|------|---------------|------|
| | | | | | 2016 | 2017 | 2018 | 2 yr | 3 yr |
| | | | | | -----bu/A----- | | | | |
| LCS Nitro | 28 | 1 | 59.5 | 12.4 | 78.0 | 37.9 | 92.9 | 65.4 | 69.6 |
| Faller | 27 | 2 | 59.5 | 12.1 | 83.5 | 40.8 | 80.9 | 60.9 | 68.4 |
| LCS Prime | 27 | 4 | 60.8 | 12.2 | 88.2 | 42.7 | 64.6 | 53.7 | 65.2 |
| SY Valda | 25 | 2 | 59.9 | 12.9 | 87.4 | 42.9 | 64.7 | 53.8 | 65.0 |
| Boost | 28 | 1 | 59.9 | 13.8 | 79.1 | 38.3 | 76.6 | 57.4 | 64.7 |
| Elgin ND | 30 | 2 | 60.4 | 12.6 | 80.6 | 39.6 | 71.8 | 55.7 | 64.0 |
| Prosper | 29 | 1 | 60.1 | 12.2 | 85.2 | 33.3 | 73.5 | 53.4 | 64.0 |
| SY Ingmar | 24 | 4 | 60.6 | 14.3 | 80.2 | 37.5 | 72.2 | 54.8 | 63.3 |
| Barlow | 28 | 2 | 62.0 | 13.5 | 74.3 | 40.2 | 70.6 | 55.4 | 61.7 |
| SY Soren | 23 | 5 | 60.0 | 14.0 | 72.2 | 39.6 | 71.6 | 55.6 | 61.1 |
| Linkert | 24 | 2 | 60.1 | 15.1 | 73.3 | 40.4 | 69.1 | 54.8 | 60.9 |
| ND VitPro | 27 | 1 | 62.4 | 13.7 | 75.3 | 37.8 | 69.3 | 53.6 | 60.8 |
| HRS 3419 | 29 | 0 | 58.9 | 11.3 | 72.6 | 26.6 | 82.2 | 54.4 | 60.5 |
| Glenn | 29 | 1 | 62.9 | 13.7 | 72.9 | 36.3 | 70.3 | 53.3 | 59.8 |
| Bolles | 27 | 2 | 59.7 | 14.7 | 74.1 | 37.1 | 68.3 | 52.7 | 59.8 |
| WB9653 | 24 | 2 | 59.5 | 12.2 | | 46.6 | 76.6 | 61.6 | |
| Lang-MN | 28 | 3 | 61.1 | 13.2 | | 40.5 | 69.0 | 54.8 | |
| SY Rowyn | 24 | 3 | 59.6 | 13.0 | | 39.1 | 61.1 | 50.1 | |
| TCG Spitfire | 26 | 0 | 60.7 | 12.8 | | | 84.1 | | |
| DG Ambush | 26 | 2 | 61.1 | 13.6 | | | 74.0 | | |
| Rollag | 25 | 3 | 59.8 | 13.5 | | | 62.9 | | |
| MS Camaro | 23 | 5 | 59.6 | 14.4 | | | 57.1 | | |
| Trial Mean | 26 | 2 | 60.4 | 13.2 | 79.2 | 38.4 | 72.0 | -- | -- |
| C.V.% | 4.4 | 40 | 0.5 | 3.2 | 5.5 | 9.1 | 5.8 | -- | -- |
| LSD 5% | 2 | 1 | 0.5 | 0.6 | 6.2 | 5.0 | 5.9 | -- | -- |
| LSD 10% | 1 | 1 | 0.4 | 0.5 | 5.2 | 4.1 | 5.0 | -- | -- |

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

Planted on April 28 with a seeding rate of 1.25 million PLS/A and harvested on August 9.

Previous Crop: 2015 = soy, 2016 = wheat, 2017 = soy.

Tillage: no-till

Soil Type: Williams loam

Note: The 2017 trial sustained severe drought and moderate hail damage.