

2019 TCG HRS Wheat Trial Results in 7 Environments

| Variety | Site Yield bu/a | | | | | | | Average Across 7 Sites | | | Average across 3 impacted sites | |
|-----------------|-----------------|------------------------|-----------------------|----------------------|------------------------|--------|---------------------|------------------------|---------|-------------|---------------------------------|--------------------|
| | North Dakota | | | | Minnesota | | | Yield | Protein | Test Weight | Lodging | BLS ⁴ |
| | Casselton | Casselton ¹ | Thompson ² | Crystal ² | Crookston ² | Fisher | Fisher ² | bu/a | % | lbs/bu | Score ³ | Score ³ |
| TCG-Spitfire | 56.4 | 53.4 | 73.2 | 81.3 | 85.2 | 76.0 | 77.4 | 71.8 | 14.1 | 57.0 | 0.1 | 1.7 |
| SY-Valda | 50.8 | 49.3 | 65.6 | 75.0 | 78.7 | 71.2 | 67.3 | 65.4 | 14.2 | 58.3 | 0.0 | 3.5 |
| WB-Mayville | 49.6 | 48.7 | 72.0 | 68.4 | 73.1 | 60.9 | 72.1 | 63.6 | 15.2 | 58.4 | 0.1 | 4.7 |
| Shelly | 50.6 | 59.2 | 48.6 | 85.1 | 63.0 | 60.0 | 75.0 | 63.1 | 14.5 | 58.6 | 1.9 | 5.5 |
| TCG-Cornerstone | 50.2 | 46.0 | 62.9 | 73.0 | 75.5 | 56.0 | 75.8 | 62.8 | 14.9 | 58.2 | 0.0 | 3.8 |
| Prosper | 40.4 | 60.7 | 55.2 | 62.2 | 70.1 | 68.2 | 77.2 | 62.0 | 14.4 | 58.0 | 3.3 | 3.3 |
| TCG-Heartland | 40.0 | 41.7 | 63.7 | 80.0 | 78.0 | 58.6 | 64.3 | 60.9 | 15.6 | 59.5 | 0.0 | 4.0 |
| Granite | 46.1 | 46.7 | 62.6 | 52.4 | 77.3 | 64.3 | 74.7 | 60.6 | 15.3 | 60.9 | 0.2 | 4.7 |
| TCG-Wildfire | 46.4 | 46.9 | 56.5 | 80.1 | 68.3 | 59.7 | 64.9 | 60.4 | 14.4 | 58.0 | 1.0 | 3.3 |
| Bolles | 47.6 | 48.4 | 49.8 | 72.7 | 64.7 | 68.8 | 66.6 | 59.8 | 16.0 | 57.9 | 1.2 | 4.7 |
| SY-Soren | 47.2 | 45.5 | 71.7 | 65.2 | 66.2 | 61.8 | 59.3 | 59.6 | 14.8 | 58.7 | 0.0 | 3.7 |
| SY-Ingmar | 51.4 | 40.9 | 58.9 | 68.0 | 69.5 | 55.5 | 71.6 | 59.4 | 15.4 | 59.5 | 0.1 | 2.8 |
| TCG-Climax | 44.4 | 42.4 | 53.2 | 67.6 | 75.8 | 60.4 | 66.5 | 58.6 | 15.4 | 60.6 | 0.3 | 5.2 |
| Linkert | 46.0 | 45.5 | 55.6 | 75.2 | 68.2 | 56.9 | 61.5 | 58.4 | 15.7 | 58.6 | 0.0 | 3.2 |
| Boost | 52.2 | 45.1 | 66.6 | 67.4 | 50.6 | 59.2 | 67.2 | 58.3 | 14.2 | 58.4 | 1.8 | 0.7 |
| Barlow | 41.1 | 39.2 | 62.9 | 65.4 | 61.7 | 62.8 | 64.1 | 56.7 | 14.8 | 59.3 | 1.5 | 4.7 |
| TCG-Glennville | 38.4 | 35.7 | 62.5 | 71.3 | 73.2 | 54.8 | 59.8 | 56.5 | 15.2 | 59.7 | 0.0 | 2.3 |
| Caliber | 46.0 | 48.6 | 63.4 | 61.4 | 71.7 | 55.2 | 46.1 | 56.0 | 15.7 | 57.8 | 0.0 | 2.0 |
| Vitpro | 39.3 | 42.6 | 47.9 | 68.9 | 58.4 | 53.4 | 63.5 | 53.4 | 14.5 | 60.3 | 1.2 | 3.3 |
| SY-Rockford | 24.9 | 46.1 | 50.5 | 74.6 | 50.6 | 66.1 | 59.8 | 53.3 | 15.0 | 55.6 | 0.5 | 6.7 |
| Surpass | 41.5 | 50.0 | 38.7 | 63.9 | 52.6 | 52.7 | 69.8 | 52.7 | 14.4 | 57.7 | 3.3 | 1.3 |
| TCG-Stalwart | 22.7 | 29.5 | 49.3 | 82.0 | 51.6 | 51.6 | 59.5 | 49.4 | 15.7 | 56.2 | 1.2 | 9.3 |

¹ Late harvested trial

² Sites treated with fungicide

³ 0 = least, 10 = most

⁴ Bacterial Leaf Streak

Four Year Average Performance of TCG Varieties and Checks Across 7 sites in ND & MN

| Variety | Average yield bu/a | | | | 4 year averages | | | |
|-----------------|--------------------|------|------|------|-----------------|---------|-------------|--------------------|
| | 2016 | 2017 | 2018 | 2019 | Yield | Protein | Test Weight | Lodging |
| | | | | | bu/a | % | lbs/bu | Score ¹ |
| TCG-Spitfire | 87.6 | 99.9 | 77.3 | 71.8 | 84.2 | 14.1 | 59.2 | 1.2 |
| WB-Mayville | 84.5 | 92.7 | 66.0 | 63.6 | 76.7 | 15.2 | 60.3 | 1.2 |
| Prosper | 73.1 | 96.5 | 72.6 | 62.0 | 76.1 | 14.1 | 59.4 | 4.3 |
| Granite | 80.2 | 96.6 | 66.1 | 60.6 | 75.9 | 15.3 | 62.4 | 1.1 |
| TCG-Wildfire | 81.1 | 94.3 | 65.4 | 60.4 | 75.3 | 14.4 | 59.4 | 2.3 |
| TCG-Climax | 77.1 | 94.2 | 68.8 | 58.6 | 74.7 | 15.5 | 62.3 | 1.1 |
| TCG-Cornerstone | 78.6 | 88.4 | 66.3 | 62.8 | 74.0 | 15.1 | 60.0 | 1.1 |
| SY-Ingmar | 73.7 | 91.2 | 70.8 | 59.4 | 73.8 | 15.0 | 60.8 | 1.3 |
| SY-Valda | 64.9 | 92.7 | 70.1 | 65.4 | 73.3 | 14.3 | 59.6 | 2.9 |
| Linkert | 73.6 | 88.9 | 64.3 | 58.4 | 71.3 | 15.4 | 60.2 | 1.1 |
| Barlow | 63.4 | 85.5 | 66.9 | 56.7 | 68.1 | 15.1 | 60.8 | 4.0 |
| TCG-Glennville | 70.5 | 83.3 | 59.6 | 56.5 | 67.5 | 15.3 | 60.5 | 1.2 |

¹ 1 = least, 10 = most