

**NDSU Langdon Research Extension Center
2019 Variety Trial Data**

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| Hard Red Spring Wheat - 2019 | Pembina County - Cavalier |
|-------------------------------------|----------------------------------|

| Variety | Days to Head | Plant Height | Lodging | Protein | | Test Weight | Grain Yield | | | 2-yr Avg. | 3-yr Avg. |
|---------------|--------------|--------------|---------|---------|-----------|-------------|----------------|------|------|-----------|-----------|
| | | | | 2019 | 3-yr Avg. | | 2016 | 2017 | 2019 | | |
| | | in. | 0-9 | -----% | | lbs/bu | -----bu/a----- | | | | |
| Bolles | 53 | 29 | 0.0 | 17.0 | 16.1 | 61.2 | 48.1 | 76.2 | 73.4 | 74.8 | 65.9 |
| CP3530 | 53 | 31 | 0.5 | 15.3 | 14.6 | 60.5 | 56.9 | 88.0 | 77.7 | 82.9 | 74.2 |
| CP3888 | 52 | 27 | 0.0 | 14.7 | -- | 60.7 | -- | -- | 81.4 | -- | -- |
| CP3939 | 51 | 28 | 0.0 | 15.8 | -- | 61.5 | -- | -- | 75.4 | -- | -- |
| DG-Ambush | 51 | 29 | 0.0 | 15.2 | -- | 62.0 | -- | -- | 77.2 | -- | -- |
| DG-Ballistic | 53 | 30 | 0.0 | 14.1 | -- | 63.2 | -- | -- | 88.4 | -- | -- |
| DG-Commander | 49 | 30 | 0.0 | 14.2 | -- | 61.7 | -- | -- | 82.5 | -- | -- |
| Faller | 52 | 31 | 0.5 | 14.2 | 13.7 | 61.0 | 60.5 | 96.3 | 87.8 | 92.1 | 81.5 |
| Lang-MN | 52 | 31 | 1.3 | 15.5 | -- | 61.7 | -- | 80.4 | 78.2 | 79.3 | -- |
| LCS Breakaway | 49 | 27 | 0.0 | 15.1 | 14.5 | 61.9 | 45.7 | 74.4 | 73.3 | 73.9 | 64.5 |
| LCS Cannon | 48 | 30 | 0.0 | 14.2 | -- | 62.2 | -- | -- | 85.4 | -- | -- |
| LCS Rebel | 49 | 30 | 0.5 | 14.8 | -- | 62.0 | -- | 82.9 | 78.2 | 80.6 | -- |
| LCS Trigger | 56 | 30 | 0.5 | 12.2 | -- | 61.1 | -- | -- | 86.7 | -- | -- |
| Linkert | 52 | 27 | 0.0 | 15.8 | 14.9 | 61.9 | 56.1 | 68.8 | 72.0 | 70.4 | 65.6 |
| MN Washburn | 52 | 27 | 0.0 | 14.7 | -- | 60.7 | -- | -- | 72.1 | -- | -- |
| MS Barracuda | 49 | 28 | 0.0 | 14.7 | -- | 61.4 | -- | -- | 84.8 | -- | -- |
| MS Chevelle | 50 | 27 | 0.0 | 13.3 | -- | 60.8 | -- | 83.6 | 86.2 | 84.9 | -- |
| ND VitPro | 51 | 31 | 2.3 | 15.9 | 15.1 | 62.5 | 49.7 | 73.0 | 80.0 | 76.5 | 67.6 |
| Shelly | 53 | 26 | 0.0 | 14.6 | 13.9 | 61.5 | 50.9 | 88.3 | 79.8 | 84.1 | 73.0 |
| SY Ingmar | 50 | 25 | 0.0 | 14.5 | 14.5 | 61.8 | 55.4 | 78.1 | 74.9 | 76.5 | 69.5 |
| SY McCloud | 50 | 28 | 0.0 | 15.2 | -- | 62.5 | -- | -- | 74.7 | -- | -- |
| SY Valda | 50 | 26 | 0.0 | 13.7 | 13.6 | 60.9 | 59.3 | 85.7 | 77.5 | 81.6 | 74.2 |
| SY611CL2 | 50 | 26 | 0.0 | 14.4 | -- | 62.4 | -- | -- | 79.9 | -- | -- |
| AP Murdock | 51 | 28 | 0.0 | 14.3 | -- | 60.7 | -- | -- | 79.9 | -- | -- |
| TCG-Climax | 55 | 27 | 0.0 | 16.2 | -- | 62.2 | -- | -- | 69.2 | -- | -- |
| TCG-Heartland | 50 | 26 | 0.0 | 15.4 | -- | 62.2 | -- | -- | 76.9 | -- | -- |
| TCG-Spitfire | 54 | 27 | 0.0 | 13.9 | -- | 60.5 | -- | -- | 78.5 | -- | -- |
| TCG-Stalwart | 50 | 27 | 0.0 | 15.6 | -- | 59.5 | -- | -- | 73.3 | -- | -- |
| Trial Mean | 51 | 28 | 0.2 | 14.9 | -- | 61.6 | 53.3 | 80.4 | 78.6 | -- | -- |
| C.V. % | 1.4 | 4.8 | 375 | 1.1 | -- | 1.3 | 7.8 | 3.3 | 5.2 | -- | -- |
| LSD 5% | 1.0 | 1.9 | NS | 0.2 | -- | 1.1 | 5.9 | 3.7 | 5.8 | -- | -- |
| LSD 10% | 0.8 | 1.6 | 0.9 | 0.2 | -- | 0.9 | 4.9 | 3.1 | 4.8 | -- | -- |

Planting Date: May 10
Harvest Date: August 20
No trial data from 2018.