



2019 Dryland Winter Wheat Variety
Performance Trial at Orchard

| Variety | Brand/Source | Market Class | Yield | Test Weight | Plant Height | Wheat Stem |
|----------------|--------------------------------|--------------|-------------|-------------|--------------|--------------------------|
| | | | | | | Sawfly Cutting |
| | | | bu/ac | lb/bu | in | score (1-9) ^a |
| Spur | AgriPro Syngenta | HRW | 66.8 | 61.2 | 29 | 2 |
| CO15SFD107 | Colorado State University exp. | HRW | 59.4 | 62.2 | 32 | 2 |
| Byrd CL Plus | PlainsGold | HRW | 58.3 | 61.2 | 32 | 6 |
| Brawl CL Plus | PlainsGold | HRW | 57.6 | 62.4 | 33 | 8 |
| Crescent AX | PlainsGold | HRW | 56.9 | 61.8 | 32 | 9 |
| WB4462 | WestBred Bayer | HRW | 55.4 | 61.8 | 33 | 8 |
| WB4595 | WestBred Bayer | HRW | 55.0 | 60.9 | 29 | 7 |
| CO15SFD092 | Colorado State University exp. | HRW | 53.0 | 61.5 | 29 | 5 |
| Sunshine | PlainsGold | HWW | 52.7 | 60.2 | 29 | 9 |
| CO15D098R | Colorado State University exp. | HRW | 52.3 | 61.2 | 33 | 8 |
| Antero | PlainsGold | HWW | 52.0 | 60.0 | 31 | 9 |
| Avery | PlainsGold | HRW | 51.0 | 60.3 | 29 | 9 |
| SY Monument | AgriPro Syngenta | HRW | 50.0 | 60.0 | 31 | 7 |
| Hatcher | PlainsGold | HRW | 48.1 | 61.1 | 31 | 7 |
| CO13D0346 | Colorado State University exp. | HRW | 47.4 | 60.2 | 29 | 8 |
| CO13D1479 | Colorado State University exp. | HWW | 47.1 | 60.5 | 28 | 7 |
| WB4418 | WestBred Bayer | HRW | 47.1 | 60.8 | 28 | 5 |
| Whistler | PlainsGold | HRW | 46.6 | 60.5 | 31 | 9 |
| Denali | PlainsGold | HRW | 46.4 | 61.6 | 30 | 9 |
| Byrd | PlainsGold | HRW | 46.3 | 61.3 | 31 | 9 |
| WB4792 | WestBred Bayer | HRW | 46.2 | 60.6 | 28 | 6 |
| SY Rugged | AgriPro Syngenta | HRW | 46.0 | 61.0 | 30 | 8 |
| Snowmass 2.0 | PlainsGold | HWW | 45.9 | 60.5 | 31 | 9 |
| AM Eastwood | AgriMaxx Wheat | HRW | 45.2 | 61.5 | 27 | 8 |
| LCS Valiant | Limagrain Cereal Seeds | HRW | 45.1 | 61.2 | 28 | 9 |
| SY Wolf | AgriPro Syngenta | HRW | 44.4 | 59.7 | 29 | 8 |
| CO13D0787 | Colorado State University exp. | HRW | 44.2 | 62.2 | 30 | 9 |
| Langin | PlainsGold | HRW | 43.8 | 60.9 | 28 | 9 |
| LCH15ACC-7-7 | Limagrain Cereal Seeds | HRW | 43.0 | 60.4 | 30 | 9 |
| WB-Grainfield | WestBred Bayer | HRW | 43.0 | 61.1 | 32 | 9 |
| Breck | PlainsGold | HWW | 42.9 | 61.5 | 32 | 9 |
| Incline AX | PlainsGold | HRW | 41.1 | 59.6 | 33 | 7 |
| Monarch | PlainsGold | HWW | 40.5 | 61.2 | 28 | 9 |
| Canvas | PlainsGold | HRW | 40.4 | 61.3 | 29 | 9 |
| Long Branch | Dyna-Gro Seed | HRW | 39.1 | 60.4 | 30 | 9 |
| SY Legend CL2 | AgriPro Syngenta | HRW | 37.9 | 61.3 | 30 | 8 |
| SY Wolverine | AgriPro Syngenta | HRW | 36.5 | 59.1 | 29 | 8 |
| Snowmass | PlainsGold | HWW | 34.3 | 60.1 | 29 | 9 |
| Average | | | 47.6 | 60.9 | 30 | 8 |

^bLSD (P<0.30)

5.0

^aWheat Stem Sawfly Cutting score: 1 equals no damage/cutting and 9 is severe damage/cutting.

^bIf the difference between two variety yields equals or exceeds the LSD value, there is a 70% chance the difference is significant. Variety yields in bold are in the top LSD group.

Site Information

Collaborator: Wickstrom Farms

Harvest date: July 29, 2019

Planting date: October 2, 2018

Fertilizer: Starter: N at 8 and P at 28 lb/ac; Top-dress: N at 48 lb/ac

Soil Type: Briggsdale clay loam

GPS Coordinates: 40.48171, -104.10986

Trial Comments: Planted about 2" deep into moisture. Planted into proso millet stubble with shovels down on planter. Stands were acceptable. Slight hail damage noted in June. Heavy wheat stem sawfly infestation throughout trial caused significant cutting in susceptible varieties.

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