



| Variety | Brand/Source | Market Class | Yield | Test Weight | Plant Height | Wheat Stem | |
|-----------------|--------------------------------|--------------|-------------|-------------|--------------|------------------------------|----------------------------------|
| | | | | | | Sawfly Cutting | Heading |
| | | | bu/ac | lb/bu | in | avg score (1-9) ^a | days from trial avg ^b |
| EXP 2 | Indigo Ag | HRW | 53.9 | 54.4 | 29 | 4 | -1 |
| Snowmass 2.0 | PlainsGold | HWW | 53.5 | 54.7 | 28 | 3 | -1 |
| Langin | PlainsGold | HRW | 52.7 | 53.5 | 27 | 4 | -2 |
| KS Silverado | Wildcat Genetics | HWW | 50.1 | 56.4 | 24 | 3 | -2 |
| Byrd CL Plus | PlainsGold | HRW | 49.8 | 54.4 | 30 | 3 | 1 |
| CP7017AX | CROPLAN by WinField United | HRW | 49.6 | 55.6 | 26 | 3 | -1 |
| Sunshine | PlainsGold | HWW | 49.5 | 53.9 | 31 | 3 | -1 |
| Byrd | PlainsGold | HRW | 49.5 | 54.4 | 29 | 4 | 0 |
| LCS Helix AX | Limagrain Cereal Seeds | HRW | 49.1 | 54.4 | 27 | 4 | 1 |
| CP7869 | CROPLAN by WinField United | HRW | 49.0 | 55.8 | 25 | 5 | -1 |
| CO16SF065 | Colorado State University exp. | HRW | 48.7 | 53.3 | 28 | 2 | 0 |
| CP7050AX | CROPLAN by WinField United | HRW | 48.3 | 56.9 | 25 | 3 | -2 |
| CO16SF070 | Colorado State University exp. | HRW | 48.2 | 53.4 | 28 | 1 | 0 |
| WB4595 | WestBred - Bayer Crop Science | HRW | 48.2 | 53.7 | 30 | 2 | 1 |
| EXP 1 | Indigo Ag | HRW | 48.1 | 53.3 | 27 | 5 | -1 |
| Monarch | PlainsGold | HWW | 48.1 | 54.4 | 27 | 2 | 1 |
| Brawl CL Plus | PlainsGold | HRW | 48.0 | 55.4 | 29 | 3 | -1 |
| Fortify SF | PlainsGold | HRW | 47.8 | 56.0 | 28 | 1 | 0 |
| Breck | PlainsGold | HWW | 47.7 | 53.7 | 28 | 3 | 0 |
| Avery | PlainsGold | HRW | 47.5 | 52.4 | 32 | 4 | 1 |
| SY Wolverine | AgriPro | HRW | 46.9 | 54.3 | 25 | 3 | 1 |
| CO14A055-258 | Colorado State University exp. | HRW | 46.9 | 51.6 | 31 | 4 | 1 |
| Crescent AX | PlainsGold | HRW | 45.6 | 55.4 | 29 | 4 | -1 |
| CO16SF028 | Colorado State University exp. | HRW | 45.4 | 53.7 | 26 | 2 | 2 |
| Whistler | PlainsGold | HRW | 45.2 | 49.9 | 29 | 3 | 2 |
| CO15D098R | Colorado State University exp. | HRW | 45.2 | 54.7 | 29 | 4 | 2 |
| Denali | PlainsGold | HRW | 45.1 | 53.9 | 30 | 3 | 2 |
| CP7909 | CROPLAN by WinField United | HRW | 45.0 | 54.8 | 25 | 4 | -1 |
| KS Dallas | Wildcat Genetics | HRW | 44.8 | 52.7 | 28 | 3 | 0 |
| CO16SF067 | Colorado State University exp. | HRW | 44.8 | 53.5 | 29 | 2 | 3 |
| CO16SF032 | Colorado State University exp. | HRW | 44.5 | 53.4 | 30 | 2 | 1 |
| Long Branch | Dyna-Gro Seed | HRW | 43.4 | 52.3 | 27 | 4 | -1 |
| SY Rugged | AgriPro | HRW | 43.3 | 50.7 | 25 | 4 | -1 |
| SY Monument | AgriPro | HRW | 43.3 | 52.9 | 24 | 3 | 2 |
| Canvas | PlainsGold | HRW | 43.2 | 51.1 | 26 | 3 | 2 |
| KS Western Star | Wildcat Genetics | HRW | 43.2 | 53.0 | 27 | 4 | -1 |
| Guardian | PlainsGold | HRW | 43.1 | 53.0 | 28 | 2 | 1 |
| SY Legend CL2 | AgriPro | HRW | 42.9 | 53.4 | 26 | 3 | -1 |
| CO16SF027 | Colorado State University exp. | HRW | 42.9 | 53.8 | 29 | 1 | 1 |
| Hatcher | PlainsGold | HRW | 42.6 | 52.1 | 26 | 4 | 0 |
| EXP 303 | Allegiant | HRW | 42.4 | 54.5 | 26 | 4 | 3 |
| CO17128C | Colorado State University exp. | HRW | 42.1 | 53.8 | 27 | 4 | 3 |
| CO16SF026 | Colorado State University exp. | HRW | 41.8 | 53.7 | 30 | 2 | 1 |
| WB-Grainfield | WestBred - Bayer Crop Science | HRW | 41.8 | 54.2 | 28 | 3 | -1 |
| CO14A136-135 | Colorado State University exp. | HRW | 41.6 | 52.5 | 30 | 4 | 3 |
| TAM 114 | AGSECO | HRW | 40.7 | 53.7 | 25 | 3 | 0 |
| Incline AX | PlainsGold | HRW | 38.7 | 51.8 | 27 | 3 | 3 |
| Spur | AgriPro | HRW | 38.7 | 50.9 | 26 | 1 | 5 |
| CO16SF075 | Colorado State University exp. | HRW | 37.9 | 53.2 | 28 | 1 | 3 |
| Snowmass | PlainsGold | HWW | 36.9 | 52.6 | 31 | 4 | 0 |
| CO16SF074 | Colorado State University exp. | HRW | 35.7 | 51.1 | 26 | 2 | 4 |
| CO16SF049 | Colorado State University exp. | HRW | 31.7 | 52.1 | 25 | 2 | 4 |
| Average | | | 45.1 | 53.5 | 28 | 3 | 5/24/2020 |
| °LSD (P<0.30) | | | 2.4 | 1.2 | | | |

^aWheat Stem Sawfly Cutting score: 1 equals no damage/cutting and 9 is severe damage/cutting, averaged across 3 replicates.

^bVarieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average.

^cIf the difference between two variety yield or test weight values equals or exceeds the LSD values, there is a 70% chance the difference is significant. Variety yield and test weight in bold are in the top LSD group.

Site Information

Collaborator: Central Great Plains Research Station

Harvest date: July 2, 2020

Planting date: September 19, 2019

Fertilizer: Pre-plant: N at 70 lb/ac; Starter: N at 8 and P at 28 lb/ac;

Herbicide: Huskie at 13 oz/ac and Express at 0.375 oz/ac

Soil Type: Rago silt loam

GPS Coordinates: 40.14935, -103.13853

Trial Comments: Dusted-in trial, planting 1.25" deep into old proso millet stubble. Minimal fall growth but good stands. Freeze damage to leaves and heads from very low temperatures in mid-April. Good tillering in the spring. Trial was dry through early spring but 2.9" rain received in May, then dry through most of June until harvest. Trial had moderate hail damage from storm in early May. Heavy wheat stem sawfly infestation throughout trial caused cutting in susceptible varieties.