

2016 Dryland Winter Wheat Variety Performance Trial at Julesburg

| Variety | Brand/Source | Yield | Test Weight | Plant Height | Lodging | Heading |
|---------------------------|-----------------------------|-------------|-------------|--------------|--------------------------|----------------------------------|
| | | bu/ac | lb/bu | in | score (1-9) ^a | days from trial avg ^b |
| TAM 114 | AGSECO | 100.6 | 61.1 | 36 | 2 | -2 |
| CO11D1312 | Colorado State Univ. exp. | 98.6 | 59.8 | 37 | 2 | -2 |
| Denali | PlainsGold | 98.5 | 60.3 | 36 | 2 | 2 |
| CO12D922 | Colorado State Univ. exp. | 96.3 | 58.6 | 37 | 5 | -1 |
| CO11D1539 | Colorado State Univ. exp. | 96.2 | 53.4 | 38 | 5 | -1 |
| Avery | PlainsGold | 95.7 | 58.5 | 37 | 2 | 0 |
| Sunshine | PlainsGold | 95.5 | 53.8 | 36 | 1 | -2 |
| Antero | PlainsGold | 95.0 | 54.7 | 35 | 3 | -2 |
| Ripper | PlainsGold | 94.4 | 57.3 | 36 | 1 | -3 |
| SY Sunrise | AgriPro Syngenta | 93.6 | 60.8 | 33 | 1 | 0 |
| Ruth | Husker Genetics | 93.4 | 60.7 | 38 | 1 | -2 |
| WB-Grainfield | WestBred Monsanto | 93.1 | 58.2 | 36 | 1 | -3 |
| SY Wolf | AgriPro Syngenta | 92.8 | 56.9 | 36 | 2 | 1 |
| CO12D1028 | Colorado State Univ. exp. | 92.8 | 48.2 | 37 | 4 | -2 |
| Oakley CL | Kansas Wheat Alliance | 92.6 | 57.9 | 37 | 4 | 0 |
| KanMark | Kansas Wheat Alliance | 92.2 | 57.5 | 32 | 1 | 0 |
| Joe | Kansas Wheat Alliance | 92.1 | 58.5 | 38 | 3 | 2 |
| LCS Mint | Limagrain Cereal Seeds | 91.8 | 61.1 | 37 | 2 | 0 |
| LCH13NEDH-14-69 | Limagrain Cereal Seeds | 91.8 | 58.0 | 35 | 1 | -1 |
| CO11D1767 | Colorado State Univ. exp. | 91.4 | 56.8 | 36 | 3 | 4 |
| Hatcher | PlainsGold | 91.4 | 58.0 | 37 | 3 | -1 |
| Doublestop CL Plus | Oklahoma Genetics | 91.3 | 58.1 | 36 | 2 | -2 |
| CO11D1306W | Colorado State Univ. exp. | 91.2 | 60.6 | 38 | 2 | 3 |
| CO12D2010 | Colorado State Univ. exp. | 91.1 | 54.1 | 37 | 2 | -1 |
| CO11D1236 | Colorado State Univ. exp. | 90.4 | 60.3 | 37 | 3 | 2 |
| Winterhawk | WestBred Monsanto | 89.5 | 59.2 | 35 | 1 | -2 |
| CO11D1397 | Colorado State Univ. exp. | 89.3 | 54.8 | 32 | 2 | -1 |
| SY Monument | AgriPro Syngenta | 89.1 | 59.0 | 34 | 2 | 3 |
| CO12D2011 | Colorado State Univ. exp. | 89.0 | 59.6 | 36 | 2 | 0 |
| Snowmass | PlainsGold | 87.7 | 59.8 | 38 | 6 | -2 |
| CO12D906 | Colorado State Univ. exp. | 87.5 | 59.0 | 37 | 1 | 0 |
| Akron | Colorado State University | 87.2 | 56.4 | 36 | 2 | -1 |
| Settler CL | Husker Genetics | 87.2 | 58.2 | 36 | 1 | -1 |
| Byrd | PlainsGold | 86.8 | 59.5 | 35 | 1 | -1 |
| Prairie Red | PlainsGold | 86.4 | 55.0 | 34 | 1 | -2 |
| WB4721 | WestBred Monsanto | 86.3 | 60.8 | 36 | 1 | -2 |
| Brawl CL Plus | PlainsGold | 86.2 | 59.1 | 34 | 1 | -2 |
| CO11D421 | Colorado State Univ. exp. | 84.6 | 57.6 | 36 | 3 | 1 |
| CO11D446 | Colorado State Univ. exp. | 84.2 | 59.5 | 35 | 4 | -2 |
| CO14A065 | Colorado State Univ. exp. | 84.0 | 56.2 | 34 | 2 | 3 |
| LCH13-032 | Limagrain Cereal Seeds | 83.8 | 61.2 | 35 | 1 | -2 |
| LCS Chrome | Limagrain Cereal Seeds | 83.3 | 60.4 | 34 | 1 | -1 |
| Cowboy | Crop Res. Found. of Wyoming | 83.0 | 57.2 | 36 | 4 | 2 |
| CO14A058 | Colorado State Univ. exp. | 82.2 | 55.0 | 36 | 2 | 0 |
| MTS1024 | Montana State Univ. exp. | 80.5 | 55.6 | 34 | 1 | 5 |
| TAM 204 | Watley Seed | 79.4 | 55.0 | 33 | 1 | 0 |
| Average | | 90.0 | 57.9 | 36 | 2 | May 29, 2016 |
| ^c LSD (P<0.30) | | 4.7 | | | | |

^aLodging score: 1 means no lodging and 9 means severe lodging.

^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 yields equals or exceeds the LSD value then they are significantly different with less than 30% probability that the difference is due to random error.

Site Information

Cooperators: Jim and David Carlson
Harvest date: July 9, 2016
Planting date: September 24, 2015
Fertilizer: Pre-plant: N at 30 lb/ac; Starter: N at 8 lb/ac and P at 28 lb/ac; Spring: N at 25 lb/ac
Herbicide: Ally and 2,4-D applied in the spring
Stripe Rust: Stripe rust was present but not yet severe when trial was sprayed with generic Tilt on May 23.
General Comments: Planted into adequate moisture, trial was very dry by end of October. Stands were very good and uniform. Weather was very warm in early March. Freeze damage noted in early April on plant leaves.

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