### 2017 Dryland Winter Wheat Variety Performance Trial at Akron

**Variety** | **Brand/Source** | **Market Class** | **Yield** | **Test Weight** | **Plant Height** | **Stripe Rust**  
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Langin | PlainsGold | HRW | 107.4 | 61.4 | 34 | 3  
Joe | Kansas Wheat Alliance | HWW | 107.1 | 60.0 | 38 | 2  
WB-Grainfield | WestBred Monsanto | HRW | 100.4 | 61.6 | 37 | 3  
Sunshine | PlainsGold | HWW | 99.8 | 57.5 | 34 | 5  
Antero | PlainsGold | HWW | 98.0 | 59.5 | 38 | 3  
Oakley CL | Kansas Wheat Alliance | HRW | 96.0 | 58.9 | 38 | 2  
SY rugged | AgriPro Syngenta | HRW | 95.6 | 58.4 | 32 | 3  
Ruth | Husker Genetics | HRW | 94.9 | 59.4 | 37 | 3  
Byrd | PlainsGold | HRW | 93.5 | 60.0 | 38 | 7  
SY Wolf | AgriPro Syngenta | HRW | 92.1 | 57.1 | 34 | 5  
Tatanka | Kansas Wheat Alliance | HRW | 92.0 | 60.5 | 36 | 4  
Hatcher | PlainsGold | HRW | 91.8 | 58.8 | 36 | 4  
Snowmass | PlainsGold | HWW | 90.3 | 59.0 | 39 | 8  
Larry | Kansas Wheat Alliance | HRW | 90.3 | 59.3 | 37 | 2  
SY Monument | AgriPro Syngenta | HRW | 88.6 | 58.1 | 33 | 3  
Avery | PlainsGold | HRW | 88.6 | 59.8 | 37 | 7  
LCS Mint | Limagrain Cereal Seeds | HRW | 88.5 | 60.1 | 36 | 5  
WB4462 | WestBred Monsanto | HRW | 87.4 | 60.2 | 40 | 7  
Brawl CL Plus | PlainsGold | HRW | 85.9 | 59.0 | 39 | 7  
LCS Chrome | Limagrain Cereal Seeds | HRW | 85.9 | 59.1 | 35 | 2  
WB4721 | WestBred Monsanto | HRW | 85.2 | 60.8 | 35 | 3  
TAM 114 | AGSECO | HRW | 84.4 | 59.0 | 35 | 2  
Denali | PlainsGold | HRW | 82.7 | 58.3 | 39 | 8  
Winterhawk | WestBred Monsanto | HRW | 81.1 | 58.5 | 35 | 7  
Cowboy | Crop Research Foundation of WY | HRW | 80.8 | 55.6 | 34 | 8  
Settler CL | Husker Genetics | HRW | 80.6 | 56.1 | 35 | 8  
Loma | Montana State University | HRW | 54.6 | 54.3 | 34 | 4  
**Experiments**  
CO13D1299 | Colorado State University exp. | HWW | 109.7 | 58.9 | 36 | 3  
CO13D1638 | Colorado State University exp. | HWW | 106.3 | 59.1 | 39 | 2  
CO12D597 | Colorado State University exp. | HRW | 103.7 | 59.3 | 37 | 3  
CO13D1714 | Colorado State University exp. | HWW | 102.2 | 59.7 | 38 | 3  
CO13W187 | Colorado State University exp. | HWW | 100.2 | 61.2 | 37 | 3  
CO12D296 | Colorado State University exp. | HRW | 99.6 | 60.8 | 33 | 2  
CO12D1770 | Colorado State University exp. | HRW | 99.1 | 60.4 | 32 | 3  
CO13D1783 | Colorado State University exp. | HRW | 98.8 | 56.6 | 40 | 2  
CO12D2011 | Colorado State University exp. | HWW | 98.6 | 61.2 | 37 | 3  
CO13D3383 | Colorado State University exp. | HWW | 96.8 | 59.5 | 37 | 3  
CO13D0787 | Colorado State University exp. | HRW | 96.2 | 60.6 | 37 | 2  
CO13D1379 | Colorado State University exp. | HWW | 94.8 | 58.4 | 33 | 4  
CO12M0367 | Colorado State University exp. | HRW | 94.6 | 57.3 | 37 | 4  
CO13D1479 | Colorado State University exp. | HWW | 94.4 | 58.8 | 35 | 2  
CO13D1164 | Colorado State University exp. | HWW | 93.9 | 60.5 | 38 | 3  
CO13D03C | Colorado State University exp. | HRW | 93.6 | 58.0 | 38 | 7  
CO13D2042 | Colorado State University exp. | HWW | 86.3 | 60.1 | 36 | 2  
CO14A058 | Colorado State University exp. | HRW | 80.1 | 53.6 | 37 | 7  
CO14A065 | Colorado State University exp. | HRW | 79.6 | 53.8 | 37 | 6  
**Average** | | | 92.4 | 58.9 | 36 | 4  
*LSD (P<0.30) 3.3*  
*Stripe rust score reflects overall reaction (1=resistant to 9=susceptible) to stripe rust infection.*  
*If 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**  
Cooperator: Central Great Plains Research Center  
Harvest date: July 7, 2017  
Planting date: September 14, 2016  
Fertilizer: Starter: N at 8 lb/ac and P at 28 lb/ac  
Herbicide: Affinity BroadSpec at 0.6 oz/ac, Velomax at 0.05 qt/ac, and 2,4-D LV6 at 6 oz/ac applied on April 20  
Fungicide: None  
Trial Comments: Planted into moisture and received rain the day after planting. Had average stand establishment. Topsoil was dry down to 4" by mid-November. Very dry from mid-October through mid-March. Received consistent and significant rainfall from late March through mid-June. By early May, growing degree-day accumulation was 10 days ahead of the long-term average. Significant infection of stripe and leaf rusts were observed in addition to mite-transmitted virus symptoms caused by WSMV and HPWMoV. A few RWA were also found in the trial.  

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