



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

Variety	Brand/Source	Market Class	Yield	Test Weight	Plant Height	Stripe Rust
			bu/ac	lb/bu	in	score (1-9) <sup>a</sup>
Langin	PlainsGold	HRW	<b>107.7</b>	61.4	34	3
Joe	Kansas Wheat Alliance	<b>HWW</b>	<b>107.1</b>	60.0	38	2
WB-Grainfield	WestBred Monsanto	HRW	100.4	61.6	37	3
Sunshine	PlainsGold	<b>HWW</b>	99.8	57.5	34	5
Antero	PlainsGold	<b>HWW</b>	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	<b>HWW</b>	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
<b>Experimentals</b>						
CO13D1299	Colorado State University exp.	<b>HWW</b>	<b>109.7</b>	58.9	36	3
CO13D1638	Colorado State University exp.	<b>HWW</b>	106.3	59.1	39	2
CO12D597	Colorado State University exp.	HRW	103.7	59.3	37	3
CO13D1714	Colorado State University exp.	<b>HWW</b>	102.2	59.7	38	3
CO13W187	Colorado State University exp.	<b>HWW</b>	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.	<b>HWW</b>	98.6	61.2	37	3
CO13D1383	Colorado State University exp.	<b>HWW</b>	96.8	59.5	37	3
CO13D0787	Colorado State University exp.	HRW	96.2	60.6	37	2
CO13D1379	Colorado State University exp.	<b>HWW</b>	94.8	58.4	33	4
CO12M0367	Colorado State University exp.	HRW	94.6	57.3	37	4
CO13D1479	Colorado State University exp.	<b>HWW</b>	94.4	58.8	35	2
CO13D1164	Colorado State University exp.	<b>HWW</b>	93.9	60.5	38	3
CO13003C	Colorado State University exp.	HRW	93.6	58.0	38	7
CO13D2042	Colorado State University exp.	<b>HWW</b>	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
<b>Average</b>			<b>92.4</b>	<b>58.9</b>	<b>36</b>	<b>4</b>

<sup>b</sup>LSD (P<0.30)

3.3

<sup>a</sup>Stripe rust score reflects overall reaction (1=resistant to 9=susceptible) to stripe rust infection.

<sup>b</sup>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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