



2017 Dryland Winter Wheat Variety
Performance Trial at Orchard

Variety	Brand/Source	Market Class	Yield		Plant Height		Virus score (1-9) ^a	Lodging (sawfly) score (1-9) ^b
			bu/ac	lb/bu	in			
Langin	PlainsGold	HRW	63.1	59.3	30	5	3	
Avery	PlainsGold	HRW	56.3	59.5	33	2	5	
Sunshine	PlainsGold	HWW	53.8	58.8	32	8	5	
Antero	PlainsGold	HWW	52.5	60.6	35	4	3	
Snowmass	PlainsGold	HWW	52.2	58.2	33	2	4	
Byrd	PlainsGold	HRW	51.5	59.4	32	2	4	
Tatanka	Kansas Wheat Alliance	HRW	48.7	57.1	30	5	4	
SY Monument	AgriPro Syngenta	HRW	47.9	58.2	27	6	3	
Joe	Kansas Wheat Alliance	HWW	47.1	57.6	32	3	4	
WB4462	WestBred Monsanto	HRW	46.9	58.6	33	6	2	
WB-Grainfield	WestBred Monsanto	HRW	46.7	58.7	31	7	2	
Winterhawk	WestBred Monsanto	HRW	45.7	58.1	34	5	2	
SY Rugged	AgriPro Syngenta	HRW	45.4	57.9	26	7	2	
Denali	PlainsGold	HRW	43.6	60.2	31	2	2	
LCS Mint	Limagrain Cereal Seeds	HRW	43.6	60.5	29	4	4	
WB4721	WestBred Monsanto	HRW	43.4	60.7	30	4	2	
TAM 114	AGSECO	HRW	43.3	58.6	30	6	2	
Brawl CL Plus	PlainsGold	HRW	42.7	58.5	32	7	1	
Oakley CL	Kansas Wheat Alliance	HRW	42.4	58.2	29	2	2	
Ruth	Husker Genetics	HRW	42.1	59.4	32	4	3	
Settler CL	Husker Genetics	HRW	42.0	58.2	29	4	2	
SY Wolf	AgriPro Syngenta	HRW	41.3	59.8	30	5	2	
Larry	Kansas Wheat Alliance	HRW	40.1	58.6	32	4	2	
LCS Chrome	Limagrain Cereal Seeds	HRW	39.3	58.7	28	6	4	
Cowboy	Crop Research Foundation of WY	HRW	39.0	56.4	33	6	1	
Hatcher	PlainsGold	HRW	36.7	58.6	28	6	2	
Loma	Montana State University	HRW	25.0	55.7	29	4	3	
Experimentals								
CO13D1783	Colorado State University exp.	HRW	60.1	59.4	32	1	2	
CO12D1770	Colorado State University exp.	HRW	55.6	59.7	26	5	3	
CO13D1299	Colorado State University exp.	HWW	54.4	58.3	30	5	2	
CO12D296	Colorado State University exp.	HRW	53.7	60.8	31	4	3	
CO13D1714	Colorado State University exp.	HWW	53.7	59.0	31	2	2	
CO12D597	Colorado State University exp.	HRW	53.5	59.5	30	2	2	
CO13D1638	Colorado State University exp.	HWW	52.0	57.5	31	4	2	
CO13D1383	Colorado State University exp.	HWW	51.0	59.7	28	5	1	
CO13D1479	Colorado State University exp.	HWW	50.9	59.0	32	2	2	
CO12D2011	Colorado State University exp.	HWW	50.0	62.4	33	4	3	
CO13D1164	Colorado State University exp.	HWW	49.4	57.6	31	7	2	
CO13D0787	Colorado State University exp.	HRW	48.5	59.8	31	2	3	
CO13003C	Colorado State University exp.	HRW	48.0	57.5	32	5	3	
CO13D2042	Colorado State University exp.	HWW	44.5	58.7	32	4	1	
CO12M0367	Colorado State University exp.	HRW	43.1	58.6	28	4	3	
CO13D1379	Colorado State University exp.	HWW	42.6	58.6	30	4	3	
CO13W187	Colorado State University exp.	HWW	40.0	59.3	34	7	2	
CO14A058	Colorado State University exp.	HRW	36.6	56.3	27	2	3	
CO14A065	Colorado State University exp.	HRW	35.7	56.0	29	3	1	
Average			46.6	58.7	31	4	3	
‡LSD (P<0.30)			2.7					

^aVirus score reflects overall reaction (1=resistant to 9=susceptible) to wheat curl mite-transmitted viruses, which may include wheat streak mosaic virus, Triticum mosaic virus, and High Plains wheat mosaic virus.

^bLodging score: 1 equals no lodging and 9 equals severe lodging due to wheat stem sawfly cutting.

^cIf 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: Wickstrom Farms
 Harvest date: July 11, 2017
 Planting date: September 16, 2016
 Fertilizer: Starter: N at 8 lb/ac and P at 28 lb/ac; Spring: N at 39 lb/ac.
 Herbicide: Generic Ally at 0.1 oz/ac and 2,4-D at 3oz/ac applied on April 12.
 Fungicide: Vigil at 2 oz/ac on April 12; Trevo and Vibe applied at 4 oz/ac each on June 4.
 Trial Comments: Trial planted into moisture in wheat stubble. By mid-November there were very good stands and good fall growth. The top few inches of soil were very dry but trial had good sub-soil moisture. Little moisture during the winter but timely rainfall occurred from mid-April through May. In early April, some varieties were showing drought symptoms. Trial had moderate to severe stem cutting from wheat stem sawfly.

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