



2017 Irrigated Winter Wheat Variety
Performance Trial at Haxtun

Variety	Brand/Source	Market Class	Yield bu/ac	Test Weight lb/bu	Virus score (1-9) ^a
Langin	PlainsGold	HRW	82.4	57.2	7
Avery	PlainsGold	HRW	79.9	54.9	2
Antero	PlainsGold	HWW	79.8	57.1	5
Byrd	PlainsGold	HRW	78.8	56.4	2
Brawl CL Plus	PlainsGold	HRW	75.4	58.3	7
Denali	PlainsGold	HRW	74.6	55.1	3
Sunshine	PlainsGold	HWW	74.1	55.8	7
SY Wolf	AgriPro Syngenta	HRW	74.1	55.8	6
SY Sunrise	AgriPro Syngenta	HRW	73.1	59.2	8
WB4303	WestBred Monsanto	HRW	72.0	54.0	8
KanMark	Kansas Wheat Alliance	HRW	68.5	56.3	9
Cowboy	Crop Research Foundation of WY	HRW	67.8	49.7	6
WB-Grainfield	WestBred Monsanto	HRW	67.1	58.4	9
WB4458	WestBred Monsanto	HRW	61.4	54.9	7
Larry	Kansas Wheat Alliance	HRW	60.7	55.1	8
Thunder CL	PlainsGold	HWW	57.9	56.9	9
Experimentals					
CO13D0787	Colorado State University exp.	HRW	97.0	58.2	1
CO13D1638	Colorado State University exp.	HWW	88.7	55.4	3
CO12D296	Colorado State University exp.	HRW	86.8	56.5	2
CO12D597	Colorado State University exp.	HRW	86.3	57.0	5
CO12D1770	Colorado State University exp.	HRW	83.2	55.1	4
CO13D1299	Colorado State University exp.	HWW	82.9	57.0	8
CO13D1383	Colorado State University exp.	HWW	82.5	58.0	6
CO13D1164	Colorado State University exp.	HWW	81.9	57.5	4
CO13D1783	Colorado State University exp.	HRW	81.1	52.8	2
CO13D1714	Colorado State University exp.	HWW	80.7	57.8	5
CO12D2011	Colorado State University exp.	HWW	78.0	58.3	4
CO13W187	Colorado State University exp.	HWW	75.5	57.2	5
CO13D2042	Colorado State University exp.	HWW	72.5	57.0	7
CO13D1479	Colorado State University exp.	HWW	67.3	53.3	3
CO13D1379	Colorado State University exp.	HWW	66.4	54.1	5
CO12M0367	Colorado State University exp.	HRW	65.5	52.9	-
Average			75.7	56.0	5
^b LSD (P<0.30)			4.2		

^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.

^bIf 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: Boerner Farms
 Harvest date: July 12 and 13, 2017
 Planting date: October 15, 2016
 Fertilizer: Starter: N at 8 lb/ac and P at 28 lb/ac; Spring: N at 124 lb/ac on March 20, N at 30 lb/ac and S at 5 lb/ac on April 20.
 Herbicide: Ally at 0.1 oz/ac, Starane NXT at 14 oz/ac, and 2,4-D LV6 at 4 oz/ac on April 20.
 Fungicide: Sprayed Quilt Xcel at 10.5 oz/ac for stripe rust on May 25.
 Trial Comments: Planted into moist soil in tilled silage corn residue. Trial had even stands and uniform growth by mid-November. Trial didn't have much growth by mid-April but sub-soil moisture was good. Irrigation was turned on after mid-April. Trial showed significant symptoms of virus infection and was confirmed to have WSMV, TriMV, and HPWMoV. No significant lodging was noted in the trial.

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