



2017 Dryland Winter Wheat Variety  
Performance Trial at Julesburg

Variety	Brand/Source	Market Class	Yield	Test Weight	Plant Height	Virus
			bu/ac	lb/bu	in	score (1-9) <sup>a</sup>
Snowmass	PlainsGold	<b>HWW</b>	<b>68.3</b>	60.8	35	3
Byrd	PlainsGold	HRW	<b>67.1</b>	59.8	34	2
Langin	PlainsGold	HRW	<b>67.0</b>	59.5	33	6
Avery	PlainsGold	HRW	65.4	61.0	34	4
Antero	PlainsGold	<b>HWW</b>	64.6	59.7	34	5
Joe	Kansas Wheat Alliance	<b>HWW</b>	62.6	61.3	38	2
Oakley CL	Kansas Wheat Alliance	HRW	61.2	61.5	39	3
SY Rugged	AgriPro Syngenta	HRW	61.1	60.2	33	9
WB-Grainfield	WestBred Monsanto	HRW	59.7	60.0	33	9
LCS Mint	Limagrain Cereal Seeds	HRW	59.7	62.3	36	5
Sunshine	PlainsGold	<b>HWW</b>	59.6	59.6	35	9
WB4462	WestBred Monsanto	HRW	58.4	61.4	38	6
Tatanka	Kansas Wheat Alliance	HRW	57.7	60.2	34	6
Winterhawk	WestBred Monsanto	HRW	57.6	59.0	36	5
Larry	Kansas Wheat Alliance	HRW	56.6	60.7	33	7
Brawl CL Plus	PlainsGold	HRW	56.1	60.8	32	8
Denali	PlainsGold	HRW	55.9	61.4	36	3
TAM 114	AGSECO	HRW	54.5	60.7	34	6
SY Wolf	AgriPro Syngenta	HRW	53.4	60.8	33	6
SY Monument	AgriPro Syngenta	HRW	53.1	60.6	33	8
LCS Chrome	Limagrain Cereal Seeds	HRW	52.8	60.5	36	7
Ruth	Husker Genetics	HRW	51.9	61.6	36	7
Hatcher	PlainsGold	HRW	50.7	60.2	33	6
Cowboy	Crop Research Foundation of WY	HRW	50.0	59.4	36	6
WB4721	WestBred Monsanto	HRW	48.8	61.8	32	7
Settler CL	Husker Genetics	HRW	43.5	59.7	37	7
Loma	Montana State University	HRW	22.1	56.1	32	7
<b>Experimentals</b>						
CO13D0787	Colorado State University exp.	HRW	<b>69.7</b>	62.5	35	3
CO13D1714	Colorado State University exp.	<b>HWW</b>	<b>69.3</b>	60.0	38	6
CO13D1783	Colorado State University exp.	HRW	<b>69.1</b>	60.2	39	3
CO12D1770	Colorado State University exp.	HRW	<b>68.5</b>	60.7	31	7
CO12D597	Colorado State University exp.	HRW	<b>67.5</b>	60.9	34	6
CO13D1299	Colorado State University exp.	<b>HWW</b>	66.6	61.1	35	6
CO13D1164	Colorado State University exp.	<b>HWW</b>	65.9	61.6	37	6
CO13D1383	Colorado State University exp.	<b>HWW</b>	64.5	60.6	33	5
CO13D1638	Colorado State University exp.	<b>HWW</b>	64.5	61.1	37	5
CO12D296	Colorado State University exp.	HRW	64.3	61.8	32	5
CO13D1379	Colorado State University exp.	<b>HWW</b>	64.3	60.9	34	6
CO12D2011	Colorado State University exp.	<b>HWW</b>	62.4	62.6	35	5
CO13003C	Colorado State University exp.	HRW	60.9	58.6	36	6
CO13D1479	Colorado State University exp.	<b>HWW</b>	57.6	59.3	35	4
CO13D2042	Colorado State University exp.	<b>HWW</b>	57.5	60.6	37	5
CO13W187	Colorado State University exp.	<b>HWW</b>	54.5	62.1	35	7
CO14A058	Colorado State University exp.	HRW	54.2	57.9	35	5
CO12M0367	Colorado State University exp.	HRW	50.5	59.5	37	6
CO14A065	Colorado State University exp.	HRW	48.9	58.8	35	6
<b>Average</b>			<b>58.7</b>	<b>60.5</b>	<b>35</b>	<b>6</b>
<sup>b</sup> LSD (P<0.30)			2.7			

<sup>a</sup>Virus 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.

<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: Carlson Farms  
 Harvest date: July 6, 2017  
 Planting date: September 14, 2016  
 Fertilizer: Starter: N at 8 lb/ac and P at 28 lb/ac; Spring Topdress: N at 35 lb/ac  
 Fungicide: Sprayed for stripe rust at heading in May  
 Trial Comments: Good planting conditions, with dry topsoil but good sub-soil moisture in mid-November. Fall stands were generally good with lush growth and many tillers. Early spring drought stress was noted by yellowing of lower leaves, but this was relieved by good precipitation from mid-March through May. Plots were sprayed with a fungicide for stripe rust control. Significant wheat streak mosaic virus infection noted.

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