



2017 Dryland Winter Wheat Variety
Performance Trial at Yuma

Variety	Brand/Source	Market Class	Yield	Test Weight	Plant Height	Virus
			bu/ac	lb/bu	in	score (1-9) ^a
Byrd	PlainsGold	HRW	79.9	59.2	36	3
Langin	PlainsGold	HRW	79.6	59.0	33	6
Joe	Kansas Wheat Alliance	HWW	78.2	60.0	38	2
Snowmass	PlainsGold	HWW	73.5	59.1	38	3
Avery	PlainsGold	HRW	70.6	60.0	35	3
Oakley CL	Kansas Wheat Alliance	HRW	70.4	59.4	36	2
Denali	PlainsGold	HRW	68.3	59.1	36	4
LCS Mint	Limagrain Cereal Seeds	HRW	67.6	59.6	35	6
Hatcher	PlainsGold	HRW	66.0	57.6	34	7
Tatanka	Kansas Wheat Alliance	HRW	63.7	58.4	33	7
Cowboy	Crop Research Foundation of WY	HRW	62.5	55.6	31	6
WB-Grainfield	WestBred Monsanto	HRW	62.4	59.8	33	9
TAM 114	AGSECO	HRW	61.6	59.3	31	7
SY Rugged	AgriPro Syngenta	HRW	61.3	58.0	34	8
SY Wolf	AgriPro Syngenta	HRW	60.9	59.6	32	6
Brawl CL Plus	PlainsGold	HRW	60.3	58.2	36	8
Ruth	Husker Genetics	HRW	60.0	60.6	36	8
Antero	PlainsGold	HWW	57.7	59.0	37	7
Sunshine	PlainsGold	HWW	57.1	57.3	35	9
SY Monument	AgriPro Syngenta	HRW	56.4	56.8	32	8
Winterhawk	WestBred Monsanto	HRW	55.6	59.2	37	6
LCS Chrome	Limagrain Cereal Seeds	HRW	55.4	58.5	33	8
Larry	Kansas Wheat Alliance	HRW	54.6	57.7	33	7
WB4462	WestBred Monsanto	HRW	54.4	59.6	34	9
Settler CL	Husker Genetics	HRW	49.1	58.9	29	8
WB4721	WestBred Monsanto	HRW	45.7	58.3	32	9
Loma	Montana State University	HRW	33.4	56.0	32	9
Experimentals						
CO13D1299	Colorado State University exp.	HWW	82.4	60.2	32	6
CO12D296	Colorado State University exp.	HRW	81.0	60.2	35	2
CO13D1638	Colorado State University exp.	HWW	80.4	59.1	31	3
CO13D1783	Colorado State University exp.	HRW	79.5	57.7	32	2
CO12D1770	Colorado State University exp.	HRW	77.5	60.2	32	3
CO13D0787	Colorado State University exp.	HRW	77.1	60.6	36	2
CO13D1714	Colorado State University exp.	HWW	76.7	60.8	35	6
CO12D597	Colorado State University exp.	HRW	75.3	60.7	35	3
CO13003C	Colorado State University exp.	HRW	73.4	58.4	36	7
CO13D1479	Colorado State University exp.	HWW	72.8	58.6	31	6
CO13D1379	Colorado State University exp.	HWW	67.3	58.6	32	7
CO12D2011	Colorado State University exp.	HWW	65.6	59.4	37	7
CO13D1383	Colorado State University exp.	HWW	65.1	59.9	30	6
CO14A058	Colorado State University exp.	HRW	65.1	55.7	38	3
CO14A065	Colorado State University exp.	HRW	65.0	55.9	34	4
CO12M0367	Colorado State University exp.	HRW	64.8	57.8	33	5
CO13D1164	Colorado State University exp.	HWW	60.6	60.3	32	6
CO13D2042	Colorado State University exp.	HWW	60.2	59.5	34	5
CO13W187	Colorado State University exp.	HWW	57.3	59.9	35	6
Average			65.5	58.9	34	6
^b LSD (P<0.30)			3.2			

^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: Andrews Brothers Farms
 Harvest date: July 7, 2017
 Planting date: September 14, 2016
 Fertilizer: Starter: N at 8 lb/ac and P at 28 lb/ac; Spring: N at 36 lb/ac and S at 2.5 lb/ac
 Herbicide: Salvo and Ally XP applied in early April
 Fungicide: Absolute Maxx applied for stripe rust in late May
 Trial Comments: Dusted in trial at planting into very hard ground. Received moisture a few days after planting and again in early October. Very good fall growth, plants had average stand establishment. Very dry by mid-November and very little moisture received from mid-October through early March. Plants had many tillers by mid-April and some plants had yellow lower leaves, indicative of early season drought stress. By mid-May rains were received and the trial rebounded considerably. Timely rains received through the spring and early summer. Significant mite-transmitted virus symptoms observed in trial, which were confirmed as due to WSMV, TriMV, and HPWmOV.

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