



2017 Irrigated Winter Wheat Variety
Performance Trial at Fort Collins

Variety	Brand/Source	Market Class	Yield	Test Weight	Lodging	Heading
			bu/ac	lb/bu	score (1-9) ^a	days from trial avg ^b
WB4303	WestBred Monsanto	HRW	108.2	61.4	1	-2
Denali	PlainsGold	HRW	105.0	64.0	2	2
Cowboy	Crop Research Foundation of WY	HRW	103.7	63.2	8	4
KanMark	Kansas Wheat Alliance	HRW	103.0	64.0	3	-2
SY Wolf	AgriPro Syngenta	HRW	102.3	62.9	1	3
Byrd	PlainsGold	HRW	96.2	63.0	4	-3
Larry	Kansas Wheat Alliance	HRW	96.0	61.8	5	2
SY Sunrise	AgriPro Syngenta	HRW	94.3	63.3	1	4
Hatcher	PlainsGold	HRW	94.2	62.0	5	-1
Avery	PlainsGold	HRW	91.4	62.1	8	1
WB4458	WestBred Monsanto	HRW	88.0	61.8	2	-2
Langin	PlainsGold	HRW	87.8	62.3	2	-4
Thunder CL	PlainsGold	HWW	85.8	62.4	1	-3
Brawl CL Plus	PlainsGold	HRW	83.5	62.8	2	-4
WB-Grainfield	WestBred Monsanto	HRW	78.1	62.5	2	-4
Snowmass	PlainsGold	HWW	77.9	62.5	4	0
Antero	PlainsGold	HWW	77.8	61.9	5	-1
Sunshine	PlainsGold	HWW	74.4	61.8	3	-5
Experimentals						
CO12D296	Colorado State University exp.	HRW	118.7	65.4	1	0
CO13D1383	Colorado State University exp.	HWW	116.5	63.5	1	1
CO12D1770	Colorado State University exp.	HRW	108.2	64.0	1	-1
CO13D1783	Colorado State University exp.	HRW	108.0	61.0	8	8
CO13D0787	Colorado State University exp.	HRW	104.0	63.9	2	1
CO13D1299	Colorado State University exp.	HWW	103.8	62.5	2	-1
CO13D1479	Colorado State University exp.	HWW	101.7	62.5	7	3
CO12M0367	Colorado State University exp.	HRW	98.8	62.6	2	1
CO13D1638	Colorado State University exp.	HWW	97.2	61.9	4	1
CO13D1379	Colorado State University exp.	HWW	97.1	62.5	5	2
CO12D597	Colorado State University exp.	HRW	95.0	61.2	5	-1
CO12D2011	Colorado State University exp.	HWW	94.9	63.9	2	-1
CO13W187	Colorado State University exp.	HWW	94.7	62.2	3	0
CO13D2042	Colorado State University exp.	HWW	93.8	62.5	1	2
CO11D1539	Colorado State University exp.	HRW	87.3	60.7	8	-1
CO13D1164	Colorado State University exp.	HWW	86.2	62.1	4	1
CO13D1714	Colorado State University exp.	HWW	76.1	63.1	2	-2
Average			95.1	62.6	3	0
°LSD (P<0.30)			5.1			

^aLodging score: 1 equals no lodging and 9 equals severe lodging.

^bVarieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average.

^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: CSU Wheat Improvement Team and the Agricultural Research, Development and Education Center (ARDEC)
 Harvest date: July 17, 2017
 Planting date: September 26, 2016
 Fertilizer: Pre-Plant: N at 135 lb/ac (applied as 46-0-0), P at 40 lb/ac, K at 7 lb/ac, Zn at 1 lb/ac
 Herbicide: Huskie at 13 oz/ac
 Fungicide: None
 Trial Comments: Trial planted into good moisture, good stand establishment and fall growth. Good spring precipitation prior to start of spring irrigation. Wheat was laid flat from snow storm on May 18. Entries with good straw strength rebounded but those with poor straw strength showed significant lodging. Stripe rust found at relatively low levels in susceptible entries, but very hot temperatures in late June accelerated ripening of the trial.

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