



2019 Irrigated Winter Wheat Variety
Performance Trial at Fort Collins

Variety	Brand/Source	Market Class	Yield bu/ac	Test Weight lb/bu	Lodging score (1-9) ^a	Heading days from trial avg ^b
WB4303	WestBred Bayer	HRW	98.0	60.9	1	0
WB4792	WestBred Bayer	HRW	97.5	63.7	1	3
Monarch	PlainsGold	HWW	94.0	63.0	1	1
SY Wolverine	AgriPro Syngenta	HRW	93.7	62.8	1	0
Guardian	PlainsGold	HRW	89.7	63.3	5	2
Long Branch	Dyna-Gro Seed	HRW	86.9	61.4	8	0
Crescent AX	PlainsGold	HRW	86.4	62.7	6	-1
WB4595	WestBred Bayer	HRW	86.3	64.8	1	1
SY Wolf	AgriPro Syngenta	HRW	85.0	62.6	1	2
Denali	PlainsGold	HRW	84.4	63.8	1	2
WB4269	WestBred Bayer	HRW	84.0	62.5	1	-3
Canvas	PlainsGold	HRW	83.2	64.0	1	1
WB4418	WestBred Bayer	HRW	82.0	61.9	1	-1
CO13D0346	Colorado State University exp.	HRW	81.2	62.2	3	-1
WB4699	WestBred Bayer	HRW	81.0	61.5	1	3
Snowmass 2.0	PlainsGold	HWW	79.9	62.3	5	0
Breck	PlainsGold	HWW	79.4	64.6	1	0
Sunshine	PlainsGold	HWW	78.0	63.4	7	-1
AM Eastwood	AgriMaxx Wheat	HRW	76.8	62.8	1	-1
Thunder CL	PlainsGold	HWW	76.7	62.6	2	-1
SY Sunrise	AgriPro Syngenta	HRW	76.4	63.6	1	1
CO15D098R	Colorado State University exp.	HRW	75.3	63.1	7	2
WB-Grainfield	WestBred Bayer	HRW	71.0	64.0	3	-2
Brawl CL Plus	PlainsGold	HRW	64.3	63.4	1	-2
Average			83.0	63.0	3	
°LSD (P<0.30)			4.5			

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

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

^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

Collaborator: CSU Wheat Improvement Team and the Ag. Research, Development and Education Center (ARDEC)
 Harvest date: July 25, 2019
 Planting date: September 13, 2018
 Fertilizer: N at 150 and P at 30 lb/ac
 Herbicide: Huskie applied on April 23, 2019
 GPS Coordinates: 40.6529, -104.999
 Trial Comments: Timely fall planting with fall moisture. Uniform emergence and good stands and fall growth. Ample spring precipitation, very lush growth and very high yield potential observed by late May. Cool spring temperatures led to late date of heading, about 8 days later than the 10-year average for the site. Pea-sized hail on June 4 caused minor damage. Damaging hail occurred on June 5, causing 20-30% damage, which was more severe on earlier entries. Severe stripe rust in the field effectively controlled with fungicide, but a later leaf rust infection was noted on susceptible entries. Lodging observed in some entries.

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