



2019 Irrigated Winter Wheat Variety  
Performance Trial at Burlington

Variety	Brand/Source	Market Class	Yield bu/ac	Test Weight lb/bu	Plant Height in	Virus score (1-9) <sup>a</sup>
Guardian	PlainsGold	HRW	<b>91.6</b>	62.2	32	1
CO13D0346	Colorado State University exp.	HRW	<b>90.6</b>	60.4	33	2
Crescent AX	PlainsGold	HRW	80.7	60.8	32	2
CO15D098R	Colorado State University exp.	HRW	78.2	59.4	33	2
Canvas	PlainsGold	HRW	77.6	59.0	29	2
Breck	PlainsGold	<b>HWW</b>	74.7	59.0	31	3
Sunshine	PlainsGold	<b>HWW</b>	73.4	57.9	26	6
Snowmass 2.0	PlainsGold	<b>HWW</b>	73.0	58.2	30	6
WB4595	WestBred Bayer	HRW	71.3	59.2	29	3
SY Sunrise	AgriPro Syngenta	HRW	69.4	57.9	24	4
Monarch	PlainsGold	<b>HWW</b>	68.8	56.5	29	3
SY Wolverine	AgriPro Syngenta	HRW	68.1	58.6	26	5
Brawl CL Plus	PlainsGold	HRW	67.0	60.0	32	4
Denali	PlainsGold	HRW	66.7	55.9	28	3
WB4792	WestBred Bayer	HRW	66.1	56.9	-	4
SY Wolf	AgriPro Syngenta	HRW	64.0	57.5	27	6
WB4303	WestBred Bayer	HRW	63.0	54.1	24	5
Long Branch	Dyna-Gro Seed	HRW	62.9	57.0	28	5
AM Eastwood	AgriMaxx Wheat	HRW	57.2	55.7	22	6
WB4418	WestBred Bayer	HRW	57.1	55.1	26	4
WB-Grainfield	WestBred Bayer	HRW	51.8	58.7	32	8
WB4699	WestBred Bayer	HRW	51.6	53.8	27	3
WB4269	WestBred Bayer	HRW	42.7	57.4	27	9
Thunder CL	PlainsGold	<b>HWW</b>	42.3	57.8	31	8
<b>Average</b>			<b>67.1</b>	<b>57.9</b>	<b>28</b>	<b>4</b>
<sup>b</sup> LSD (P<0.30)			3.6			

<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**

Collaborator: Gary Mulch  
 Harvest date: July 17, 2019  
 Planting date: October 3, 2018  
 Soil Type: Kuma-Keith silt loam  
 GPS Coordinates: 39.21465, -102.13837  
 Trial Comments: Planted into tilled corn residue about 1.25" deep. Plants looked good, albeit small in mid-May. Limited-irrigation applied during the season and the late date of planting contributed to low yield. Wheat streak mosaic virus symptoms were severe in the trial by mid-May and significantly affected grain yield.

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