

## 2024 Dryland Winter Wheat Variety Performance Trial at Akron

Variety	Brand/Source	Market Class	Grain Yield <sup>a</sup> bu/ac	Test Weight lb/bu	Heading days from trial avg. <sup>b</sup>	Yellowing Disease scale (1-9) <sup>c</sup>	Protein percent	Plant Height in
CO19D087R	Colorado State University exp.	HRW	<b>102.0</b>	57.0	-1	1	10.2	38
CO19410R	Colorado State University exp.	HRW	<b>102.0</b>	60.0	1	1	11.0	36
AP Sunbird	AgriPro	HRW	<b>101.0</b>	58.5	-2	1	10.0	37
Monarch	PlainsGold	<b>HWW</b>	<b>99.5</b>	59.0	2	1	10.3	36
Langin	PlainsGold	HRW	98.0	57.0	0	2	10.1	36
CO20SFD020R	Colorado State University exp.	HRW	98.0	59.5	0	1	10.3	36
Avery	PlainsGold	HRW	97.0	57.0	0	1	10.0	33
Snowmass 2.0	PlainsGold	<b>HWW</b>	96.0	59.5	-3	2	10.2	37
CO18D297R	Colorado State University exp.	HRW	96.0	60.0	0	2	10.3	34
Whistler	PlainsGold	HRW	95.5	56.5	2	1	10.8	37
Canvas	PlainsGold	HRW	95.0	57.5	1	1	10.8	38
AP Bigfoot	AgriPro	HRW	94.0	60.0	-1	1	11.0	37
Crescent AX	PlainsGold	HRW	94.0	58.0	0	1	10.1	34
Fortify SF	PlainsGold	HRW	94.0	58.0	0	1	10.9	40
Steamboat	Crop Research Foundation of WY	HRW	94.0	<b>61.0</b>	0	4	10.3	34
CO200037R	Colorado State University exp.	HRW	94.0	57.5	-3	1	11.2	34
CO18D007W	Colorado State University exp.	<b>HWW</b>	94.0	58.5	-1	1	10.3	37
Byrd	PlainsGold	HRW	93.5	58.0	-1	2	10.8	35
CO19D304R	Colorado State University exp.	HRW	93.5	56.5	-2	1	11.0	37
CO20D108R	Colorado State University exp.	HRW	93.0	58.5	-2	1	10.5	37
CO20SFD019R	Colorado State University exp.	HRW	92.5	<b>61.0</b>	0	1	10.8	39
CO19S129W	Colorado State University exp.	<b>HWW</b>	91.0	59.0	0	2	11.1	35
CO20022RC	Colorado State University exp.	HRW	91.0	57.0	4	1	10.7	36
Kivari AX	PlainsGold	HRW	90.5	55.0	0	4	9.9	33
CO18042RA	Colorado State University exp.	HRW	90.0	57.0	0	1	10.3	35
Breck	PlainsGold	<b>HWW</b>	90.0	58.0	0	1	10.2	35
Valley	Frenchman Valley Coop	<b>HWW</b>	90.0	58.5	-2	1	10.1	40
CP7017AX	CROPLAN	HRW	89.5	57.5	-1	1	10.9	36
Byrd CL Plus	PlainsGold	HRW	89.0	57.5	-2	2	10.6	32
NHH19668	University of Nebraska-Lincoln exp.	HRW	88.0	60.0	1	2	11.7	34
CO19393R	Colorado State University exp.	HRW	88.0	59.0	0	5	10.5	35
LCS Atomic AX	Limagrain	HRW	88.0	59.0	4	5	10.9	33
CO20SF014W	Colorado State University exp.	<b>HWW</b>	86.5	53.5	-2	1	10.6	37
Amplify SF	PlainsGold	HRW	86.5	58.5	3	5	10.7	35
Guardian	PlainsGold	HRW	86.0	58.5	0	4	11.2	35
KS Territory	Kansas Wheat Alliance	HRW	85.5	56.5	1	1	11.1	35
LCS Radar	Limagrain	HRW	84.5	58.0	0	1	11.5	34
LCS White Lightning	Limagrain	<b>HWW</b>	84.0	60.0	0	2	11.5	37
Windom SF	PlainsGold	<b>HWW</b>	83.0	52.5	2	2	11.7	33
CO18035RA	Colorado State University exp.	HRW	81.5	58.5	-1	4	10.2	34
CO20SF141R	Colorado State University exp.	HRW	81.0	54.5	-2	4	10.9	34
AP Solid	AgriPro	HRW	79.5	58.5	-1	1	11.0	35
CP7220	CROPLAN	HRW	77.5	56.0	1	2	11.3	37
CO21SF191RA	Colorado State University exp.	HRW	75.0	54.0	2	1	11.7	37
CO21SF263RA	Colorado State University exp.	HRW	70.0	55.0	0	1	11.5	36
LCS Steel AX	Limagrain	HRW	69.0	57.5	-1	5	10.7	35
<b>Average</b>			<b>90.0</b>	<b>58.0</b>	<b>May 26, 2024</b>	<b>2</b>	<b>10.7</b>	<b>36</b>
<sup>d</sup> LSD (0.30)			3.6	0.5				
<sup>d</sup> LSD (0.05)			6.9	0.9				
Coefficient of Variation (CV)			5.1					

<sup>a</sup>Yield adjusted to 12% moisture and varieties ranked by yield (highest to lowest). Variety yields in bold are in the top LSD group (0.30).

<sup>b</sup>Varieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average.

<sup>c</sup>Yellowing disease score reflects overall reaction (1=resistant to 9=susceptible) of varieties to this disease that seems to be associated with Triticum mosaic virus (TriMV).

<sup>d</sup>Farmers selecting a variety based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding varieties are the same when they are actually different). Companies or researchers may use the LSD (.05) to avoid false positive conclusions (concluding varieties are different when they are actually the same).

### Site Information

Collaborator: USDA-ARS Central Great Plains Research Center  
 Harvest date: July 14, 2024  
 Planting date: September 26, 2023  
 Soil Type: Weld silt loam  
 GPS Coordinates: 40.14928, -103.14352  
 Trial Comments: Planted 1" deep into moisture and millet residue. Fall emergence was good, although minimal growth occurred. Timely rainfall received in spring and early summer. Moderate wheat stem sawfly pressure, although minimal lodging was noted in the trial at harvest. Weather station showed the trial received 10.7" of precipitation and 3,854 growing degree-days (GDD) (base 32°F) from January 1st through July 3rd.

*The data included in this table may not be republished without permission. Contact Sally Jones-Diamond (sally.jones@colostate.edu)*