

## 2024 Dryland Winter Wheat Variety Performance Trial at Julesburg

Variety	Brand/Source	Market Class	Grain Yield <sup>a</sup>	Test Weight	Protein	Plant Height
			bu/ac	lb/bu	percent	in
AP Sunbird	AgriPro	HRW	<b>75.0</b>	<b>58.0</b>	10.4	31
Monarch	PlainsGold	<b>HWW</b>	<b>74.0</b>	58.0	11.5	30
CO19410R	Colorado State University exp.	HRW	71.5	<b>58.5</b>	10.6	32
Langin	PlainsGold	HRW	70.0	57.5	10.4	31
CO18D007W	Colorado State University exp.	<b>HWW</b>	69.0	57.5	10.8	32
CO19D304R	Colorado State University exp.	HRW	69.0	56.0	10.8	35
Whistler	PlainsGold	HRW	68.5	57.0	11.0	34
CP7017AX	CROPLAN	HRW	67.5	57.0	12.2	32
Byrd	PlainsGold	HRW	67.0	<b>58.0</b>	9.9	30
CO20SFD020R	Colorado State University exp.	HRW	67.0	57.5	10.5	33
LCS Radar	Limagrain	HRW	66.5	57.5	11.2	31
Snowmass 2.0	PlainsGold	<b>HWW</b>	66.5	56.5	10.7	32
CO19D087R	Colorado State University exp.	HRW	66.5	56.0	10.2	28
CO20SFD019R	Colorado State University exp.	HRW	66.0	<b>58.5</b>	11.3	32
Crescent AX	PlainsGold	HRW	66.0	57.5	10.5	32
AP Bigfoot	AgriPro	HRW	65.5	<b>58.0</b>	11.9	32
Breck	PlainsGold	<b>HWW</b>	65.5	57.5	10.7	33
CO20D108R	Colorado State University exp.	HRW	65.5	57.0	9.8	31
CO18D297R	Colorado State University exp.	HRW	64.5	<b>58.5</b>	12.5	33
Canvas	PlainsGold	HRW	64.5	56.5	11.0	31
CO18042RA	Colorado State University exp.	HRW	64.0	57.0	10.6	34
Byrd CL Plus	PlainsGold	HRW	64.0	56.5	11.0	34
AP Solid	AgriPro	HRW	63.5	57.0	12.9	32
Valley	Frenchman Valley Coop	<b>HWW</b>	63.5	57.0	10.7	32
Avery	PlainsGold	HRW	63.5	56.5	10.6	35
CO20022RC	Colorado State University exp.	HRW	63.5	55.0	10.8	32
CP7220	CROPLAN	HRW	63.0	56.5	12.2	33
CO19S129W	Colorado State University exp.	<b>HWW</b>	62.5	57.5	11.9	31
Kivari AX	PlainsGold	HRW	62.0	55.0	11.0	35
KS Territory	Kansas Wheat Alliance	HRW	61.0	55.5	11.4	33
Steamboat	Crop Research Foundation of WY	HRW	60.5	<b>58.5</b>	10.7	35
CO200037R	Colorado State University exp.	HRW	60.5	56.0	10.7	31
Guardian	PlainsGold	HRW	59.0	<b>58.5</b>	11.3	32
Fortify SF	PlainsGold	HRW	59.0	57.5	10.9	32
CO20SF141R	Colorado State University exp.	HRW	59.0	55.0	10.1	34
CO20SF014W	Colorado State University exp.	<b>HWW</b>	59.0	53.5	10.6	32
CO18035RA	Colorado State University exp.	HRW	58.5	57.5	10.3	33
LCS White Lightning	Limagrain	<b>HWW</b>	58.5	57.5	12.4	31
Amplify SF	PlainsGold	HRW	58.5	56.0	11.1	32
CO19393R	Colorado State University exp.	HRW	57.5	57.0	9.5	32
NHH19668	University of Nebraska-Lincoln exp.	HRW	56.5	58.0	11.8	29
CO21SF191RA	Colorado State University exp.	HRW	56.5	54.5	12.0	32
Windom SF	PlainsGold	<b>HWW</b>	56.0	53.5	11.4	31
LCS Atomic AX	Limagrain	HRW	55.5	58.0	10.7	33
LCS Steel AX	Limagrain	HRW	54.0	54.5	11.4	33
CO21SF263RA	Colorado State University exp.	HRW	49.0	54.0	12.3	33
<b>Average</b>			<b>63.0</b>	<b>57.0</b>	<b>11.0</b>	<b>32</b>
<sup>b</sup> LSD (0.30)			2.7	0.5		
<sup>b</sup> LSD (0.05)			5.1	1.0		
Coefficient of Variation (CV)			6.5			

<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>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: Carlson Farms  
 Harvest date: July 3 and 8, 2024  
 Planting date: September 22, 2023  
 Soil Type: Rago and kuma silt loams  
 GPS Coordinates: 40.85231, -102.38116  
 Trial Comments: Planted 2" deep into moisture and corn residue. Fall emergence was good, although minimal growth occurred. Timely rainfall received in spring. Light wheat stem sawfly pressure. Radar estimates showed the trial received 9.1" of precipitation and 3,451 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)*