



Variety	Brand/Source	Market Class	Grain Yield <sup>a</sup> bu/ac	Test Weight lb/bu	Plant Height in	Heading days from trial avg <sup>b</sup>	Protein percent
CO18035RA	Colorado State University exp.	HRW	<b>41.5</b>	62	22	-3	12.3
Avery	PlainsGold	HRW	<b>41.5</b>	62	24	3	11.9
CO17449R	Colorado State University exp.	HRW	<b>41.0</b>	<b>63</b>	20	3	13.7
Kivari AX	PlainsGold	HRW	<b>41.0</b>	<b>63</b>	20	2	13.6
Whistler	PlainsGold	HRW	<b>41.0</b>	62	23	-1	11.6
KS Silverado	Kansas Wheat Alliance	<b>HWW</b>	<b>40.5</b>	<b>64</b>	21	-6	12.7
AP Solid	AgriPro	HRW	<b>40.0</b>	<b>64</b>	20	1	13.3
Canvas	PlainsGold	HRW	<b>40.0</b>	<b>64</b>	20	-1	11.6
Monarch	PlainsGold	<b>HWW</b>	<b>39.5</b>	<b>63</b>	20	-1	12.9
Steamboat	Crop Research Foundation of Wyoming, Inc.	HRW	39.0	<b>63</b>	22	0	15.0
CO13D1479	Colorado State University exp.	<b>HWW</b>	38.5	62	20	3	13.7
Guardian	PlainsGold	HRW	38.0	<b>63</b>	23	0	12.2
CO18D007W	Colorado State University exp.	<b>HWW</b>	38.0	<b>63</b>	22	-1	13.0
CO18D297R	Colorado State University exp.	HRW	37.5	<b>63</b>	22	2	13.8
Byrd	PlainsGold	HRW	37.5	<b>63</b>	21	-1	12.3
Breck	PlainsGold	<b>HWW</b>	37.0	<b>63</b>	21	0	12.8
CO16D402W	Colorado State University exp.	<b>HWW</b>	37.0	62	18	1	14.8
CP7017AX	CROPLAN	HRW	37.0	62	19	2	13.1
Crescent AX	PlainsGold	HRW	37.0	62	18	-1	14.0
Amplify SF	PlainsGold	HRW	36.5	<b>63</b>	21	-1	12.7
KS Hamilton	Kansas Wheat Alliance	HRW	36.5	62	19	-1	12.4
CO18042RA	Colorado State University exp.	HRW	36.5	62	20	3	13.9
Byrd CL Plus	PlainsGold	HRW	35.5	61	20	-1	12.9
AP Roadrunner	AgriPro	HRW	35.5	61	19	1	13.5
CO16SF032	Colorado State University exp.	HRW	35.0	<b>63</b>	22	3	12.6
Langin	PlainsGold	HRW	35.0	<b>63</b>	21	-8	12.1
Sunshine	PlainsGold	<b>HWW</b>	35.0	62	18	0	14.8
MS Maverick	Meridian Seeds	HRW	34.5	61	20	3	12.9
Hatcher	PlainsGold	HRW	34.0	<b>63</b>	17	3	12.6
AP Bigfoot	AgriPro	HRW	33.5	<b>63</b>	20	1	13.5
Brawl CL Plus	PlainsGold	HRW	33.5	<b>63</b>	21	-2	13.6
CO18SFD009W	Colorado State University exp.	<b>HWW</b>	33.0	60	21	0	13.1
KS Dallas	Kansas Wheat Alliance	HRW	32.5	62	22	-1	12.4
Fortify SF	PlainsGold	HRW	32.0	<b>63</b>	20	1	12.8
SY Legend CL2	AgriPro	HRW	32.0	61	22	-4	13.4
CO18D076W	Colorado State University exp.	<b>HWW</b>	31.5	<b>63</b>	19	3	15.6
CO16SF067	Colorado State University exp.	HRW	30.0	<b>63</b>	22	2	14.3
CP7266AX	CROPLAN	HRW	30.0	62	19	2	13.7
Snowmass 2.0	PlainsGold	<b>HWW</b>	30.0	62	21	3	11.8
Ray	PlainsGold	HRW	27.0	57	24	8	16.4
<b>Average</b>			<b>36.0</b>	<b>62</b>	<b>20</b>	<b>5/28/2022</b>	<b>13.2</b>
°LSD (0.30)			2.0	1			
°LSD (0.05)			4.0	1			
Coefficient of Variation (CV)			12.3				

<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>Farmers selecting a variety based on yield should use the LSD (0.30) to protect from false negative decisions. Companies or researchers may be interested in the LSD (0.05) to avoid false positive conclusions.

**Site Information**

Collaborator: Andrews Brothers Farms

Harvest date: July 5, 2022

Planting date: September 16, 2021

Soil Type: Haxtun sandy loam

GPS Coordinates: 40.18659, -102.65709

Trial Comments: Planted mostly into moisture at 2" seeding depth. Loose soil. Very good fall stands and growth. In mid-April trial was showing drought stress (top 5" of soil was dry) and plants had some cosmetic freeze damage on the leaves. No sawfly noted in trial. Radar estimates showed the trial received 6.2" of precipitation and 3345 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 5th, which was 4.6" below and 39 GDD below the 10-year average, respectively.