



Variety	Brand/Source	Market Class	Grain	Test	Plant	Wheat Stem	
			Yield <sup>a</sup> bu/ac	Weight lb/bu	Height in	Sawfly Cutting avg score (1-9) <sup>b</sup>	Protein percent
Avery	PlainsGold	HRW	<b>37.5</b>	59	19	1	13.7
Byrd	PlainsGold	HRW	<b>37.5</b>	59	18	1	13.3
Kivari AX	PlainsGold	HRW	<b>37.5</b>	<b>60</b>	18	1	13.1
CO18042RA	Colorado State University exp.	HRW	<b>37.0</b>	59	21	1	13.2
Crescent AX	PlainsGold	HRW	<b>36.0</b>	59	18	1	14.1
Steamboat	Crop Research Foundation of Wyoming, Inc.	HRW	<b>36.0</b>	<b>60</b>	19	1	13.9
Amplify SF	PlainsGold	HRW	<b>35.5</b>	<b>60</b>	20	1	14.2
Byrd CL Plus	PlainsGold	HRW	<b>35.5</b>	<b>60</b>	21	2	14.2
CO18035RA	Colorado State University exp.	HRW	<b>35.5</b>	59	18	1	13.7
CO17449R	Colorado State University exp.	HRW	<b>35.0</b>	<b>60</b>	20	1	13.3
Monarch	PlainsGold	<b>HWW</b>	<b>35.0</b>	59	17	1	13.8
Langin	PlainsGold	HRW	34.5	59	16	1	15.3
CO18D007W	Colorado State University exp.	<b>HWW</b>	34.0	59	19	1	13.6
CO18D297R	Colorado State University exp.	HRW	34.0	59	20	1	13.5
CO13D1479	Colorado State University exp.	<b>HWW</b>	33.0	59	20	1	13.7
Whistler	PlainsGold	HRW	33.0	59	20	1	14.5
Canvas	PlainsGold	HRW	32.5	<b>61</b>	18	2	14.7
CO16D402W	Colorado State University exp.	<b>HWW</b>	32.5	59	16	1	14.6
Hatcher	PlainsGold	HRW	32.0	59	19	2	13.4
MS Maverick	Meridian Seeds	HRW	32.0	58	19	1	14.0
Breck	PlainsGold	<b>HWW</b>	31.5	<b>61</b>	17	1	15.1
KS Hamilton	Kansas Wheat Alliance	HRW	31.5	59	18	1	13.9
CO16SF032	Colorado State University exp.	HRW	31.0	<b>60</b>	22	1	13.2
Fortify SF	PlainsGold	HRW	31.0	<b>60</b>	19	1	14.6
KS Silverado	Kansas Wheat Alliance	<b>HWW</b>	31.0	<b>60</b>	17	1	15.0
Guardian	PlainsGold	HRW	30.5	<b>60</b>	18	1	15.1
AP Solid	AgriPro	HRW	30.0	<b>61</b>	21	1	14.2
CO16SF067	Colorado State University exp.	HRW	30.0	<b>60</b>	21	1	15.6
KS Dallas	Kansas Wheat Alliance	HRW	30.0	59	17	2	14.0
AP Roadrunner	AgriPro	HRW	29.5	58	19	3	14.0
CO18SFD009W	Colorado State University exp.	<b>HWW</b>	29.5	58	16	1	15.5
CP7017AX	CROPLAN	HRW	29.5	<b>60</b>	17	1	13.5
Snowmass 2.0	PlainsGold	<b>HWW</b>	29.5	59	16	1	14.1
CO18D076W	Colorado State University exp.	<b>HWW</b>	29.0	59	20	1	13.5
CP7266AX	CROPLAN	HRW	28.5	59	18	1	14.3
SY Legend CL2	AgriPro	HRW	27.5	59	18	2	14.2
Sunshine	PlainsGold	<b>HWW</b>	26.5	58	17	1	14.2
AP Bigfoot	AgriPro	HRW	25.5	59	20	2	14.5
Brawl CL Plus	PlainsGold	HRW	25.5	<b>60</b>	22	2	14.4
Ray	PlainsGold	HRW	25.0	56	23	3	15.4
<b>Average</b>			<b>32.0</b>	<b>59</b>	<b>19</b>	<b>1</b>	<b>14.2</b>
°LSD (0.30)			2.5	1			
°LSD (0.05)			4.5	1			
Coefficient of Variation (CV)			13.1				

<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>Wheat Stem Sawfly Cutting score: 1 equals no damage/cutting and 9 is severe damage/cutting, averaged across three replicates.

<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: Cooksey Family Farms

Harvest date: July 11, 2022

Planting date: September 20, 2021

Soil Type: Weld loam

GPS Coordinates: 40.08204, -104.30125

Trial Comments: Planted 2" deep with moisture at 2.5 to 3". Ground was hard so shovels were used on planter to help get seeds into moisture. Good fall emergence and growth with a few bare spots in the trial. In mid-April cosmetic freeze damage was noted and brown wheat mites were present at very low levels. No moisture in the top 5" of the soil in April and through most of May. Radar estimates showed the trial received 7.9" of precipitation and 3543 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 11th, which was 2.5" below and 84 GDD below the 10-year average, respectively.

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