



Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu	Plant Height in	Protein percent
Monarch	PlainsGold	HWW	30.0	55	20	14.0
Breck	PlainsGold	HWW	29.5	58	19	14.5
CO18035RA	Colorado State University exp.	HRW	29.5	55	22	12.9
CO18D297R	Colorado State University exp.	HRW	29.0	56	18	14.4
Canvas	PlainsGold	HRW	28.5	57	21	14.3
CO13D1479	Colorado State University exp.	HWW	28.5	55	18	14.1
Whistler	PlainsGold	HRW	28.5	55	22	14.6
CO17449R	Colorado State University exp.	HRW	28.0	56	19	14.2
Crescent AX	PlainsGold	HRW	28.0	56	21	14.3
Avery	PlainsGold	HRW	28.0	55	21	13.7
Langin	PlainsGold	HRW	27.5	55	22	14.2
Kivari AX	PlainsGold	HRW	27.5	55	21	13.5
CP7017AX	CROPLAN	HRW	27.0	57	19	14.1
CO18D007W	Colorado State University exp.	HWW	27.0	57	20	14.8
Byrd	PlainsGold	HRW	27.0	56	20	13.9
Guardian	PlainsGold	HRW	27.0	56	20	14.1
CO18042RA	Colorado State University exp.	HRW	27.0	55	22	13.7
MS Maverick	Meridian Seeds	HRW	26.5	57	19	14.3
KS Silverado	Kansas Wheat Alliance	HWW	26.0	58	20	14.6
AP Solid	AgriPro	HRW	26.0	57	20	14.2
CO16SF032	Colorado State University exp.	HRW	26.0	56	22	14.4
AP Bigfoot	AgriPro	HRW	26.0	56	23	14.3
CO16D402W	Colorado State University exp.	HWW	25.0	55	18	14.2
KS Dallas	Kansas Wheat Alliance	HRW	24.5	56	19	15.1
Amplify SF	PlainsGold	HRW	24.5	56	22	14.5
CO18SFD009W	Colorado State University exp.	HWW	24.5	55	20	14.4
Brawl CL Plus	PlainsGold	HRW	24.0	57	23	14.7
Snowmass 2.0	PlainsGold	HWW	24.0	56	21	14.2
Byrd CL Plus	PlainsGold	HRW	23.0	55	21	13.8
AP Roadrunner	AgriPro	HRW	23.0	53	21	14.2
Fortify SF	PlainsGold	HRW	22.5	57	20	14.3
SY Legend CL2	AgriPro	HRW	22.5	55	20	15.1
KS Hamilton	Kansas Wheat Alliance	HRW	22.0	56	19	14.8
Steamboat	Crop Research Foundation of Wyoming, Inc.	HRW	22.0	56	20	14.6
Hatcher	PlainsGold	HRW	22.0	55	18	14.1
CO18D076W	Colorado State University exp.	HWW	21.5	55	21	15.4
CP7266AX	CROPLAN	HRW	21.5	55	21	13.9
Sunshine	PlainsGold	HWW	20.5	56	17	14.3
CO16SF067	Colorado State University exp.	HRW	17.0	55	21	15.8
Ray	PlainsGold	HRW	14.0	50	24	15.5
Average			25.0	56	20	14.4
^b LSD (0.30)			1.5	1		
^b LSD (0.05)			3.0	1		
Coefficient of Variation (CV)			10.4			

^aYield adjusted to 12% moisture and varieties ranked by yield (highest to lowest). Variety yields in bold are in the top LSD group (0.30).

^bFarmers 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: Carlson Farms
 Harvest date: July 7, 2022
 Planting date: September 16, 2021
 Soil Type: Rago and kuma silt loams
 GPS Coordinates: 40.83808, -102.37339
 Trial Comments: Planted into moisture at 1.5" seeding depth. Excellent stands and fall growth. In mid-April trial was showing drought stress (top 6" of soil was dry). Brown wheat mites were present at very low levels (below threshold). Radar estimates showed the trial received 5.9" of precipitation and 3509 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 7th, which was 5.7" below and 64 GDD above the 10-year average, respectively.

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