

Variety	Brand/Source	Market Class	Grain Yield ^a	Test Weight
			bu/ac	lb/bu
Breck	PlainsGold	HWW	60.5	58
CO19D304R	Colorado State University exp.	HRW	58.0	58
CO20D108R	Colorado State University exp.	HRW	56.5	58
Canvas	PlainsGold	HRW	55.0	58
Monarch	PlainsGold	HWW	54.5	57
Avery	PlainsGold	HRW	54.5	57
CO19D087R	Colorado State University exp.	HRW	54.0	57
CO18D007W	Colorado State University exp.	HWW	54.0	57
CO19410R	Colorado State University exp.	HRW	54.0	58
MS Maverick	Meridian Seeds	HRW	53.5	58
Whistler	PlainsGold	HRW	53.5	57
Snowmass 2.0	PlainsGold	HWW	53.0	58
CO200037R	Colorado State University exp.	HRW	52.5	59
Kivari AX	PlainsGold	HRW	52.0	56
KS Big Bow	Kansas Wheat Alliance	HWW	52.0	58
Hatcher	PlainsGold	HRW	51.5	57
CP7017AX	CROPLAN	HRW	51.0	58
Guardian	PlainsGold	HRW	50.5	58
CO19S053R	Colorado State University exp.	HRW	49.5	58
CO19S085W	Colorado State University exp.	HWW	49.0	57
Sunshine	PlainsGold	HWW	49.0	57
CO18D297R	Colorado State University exp.	HRW	48.0	57
Windom SF	PlainsGold	HWW	47.5	58
Byrd	PlainsGold	HRW	47.0	58
CO19S129W	Colorado State University exp.	HWW	47.0	57
Valley	Frenchman Valley Coop	HWW	46.0	57
Crescent AX	PlainsGold	HRW	46.0	57
Brawl CL Plus	PlainsGold	HRW	45.5	57
Amplify SF	PlainsGold	HRW	45.0	57
LCS Steel AX	Limagrain	HRW	45.0	59
CO19393R	Colorado State University exp.	HRW	45.0	58
AP Roadrunner	AgriPro	HRW	44.5	57
CO18035RA	Colorado State University exp.	HRW	43.5	57
CO18042RA	Colorado State University exp.	HRW	42.0	57
Ray	PlainsGold	HRW	42.0	56
CO19S135W	Colorado State University exp.	HWW	39.5	57
Byrd CL Plus	PlainsGold	HRW	37.0	57
Langin	PlainsGold	HRW	36.0	57
Fortify SF	PlainsGold	HRW	34.5	57
LCS Atomic AX	Limagrain	HRW	10.5	-
Average			47.5	57
^b LSD (0.30)			3.0	1
^b LSD (0.05)			5.5	1
Coefficient of Variation (CV)			9.4	

^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 (.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: Plainsman Research Center (Kevin Larson, Brett Pettinger, and Perry Jones)
 Harvest date: July 17, 2023
 Planting date: September 21, 2022
 Soil Type: Wiley loam
 GPS Coordinates: 37.43116, -102.31043
 Trial Comments:

Planted 2" deep into moisture. Fall emergence was acceptable and there was good fall growth. Trial received minor damage from two small hail events in June and a high wind event in early July. There was moderate to severe stripe rust pressure in late June, trial was not sprayed. LCS Atomic AX had severe shattering and lodging due to the weather events, and the low yield of the variety prevented a sufficient grain sample to obtain test weight. Radar estimates showed the trial received 11.1" of precipitation and 4,274 growing degree-days (GDD) (base 32°F) from January 1st through July 16th.