

2024 Dryland Winter Wheat Variety Performance Trial at Sheridan Lake

Variety	Brand/Source	Market		Test Weight	Protein	Plant Height
		Class	Grain Yield ^a			
			bu/ac	lb/bu	percent	in
Whistler	PlainsGold	HRW	49.5	63.0	12.2	22
CO18D007W	Colorado State University exp.	HWW	45.0	62.5	12.9	22
CO18D297R	Colorado State University exp.	HRW	43.5	62.0	13.0	20
CO19D304R	Colorado State University exp.	HRW	42.0	62.5	11.2	20
CO21SF191RA	Colorado State University exp.	HRW	42.0	61.0	12.5	22
CP7017AX	CROPLAN	HRW	40.5	63.5	12.1	21
Kivari AX	PlainsGold	HRW	40.5	63.0	12.2	22
CO19410R	Colorado State University exp.	HRW	40.0	63.0	14.5	20
Breck	PlainsGold	HWW	39.5	62.0	12.6	23
CO21SF263RA	Colorado State University exp.	HRW	39.5	62.0	12.9	19
CO20SF014W	Colorado State University exp.	HWW	39.0	61.5	12.3	22
CO18042RA	Colorado State University exp.	HRW	38.5	62.0	13.3	21
Avery	PlainsGold	HRW	38.5	61.5	12.4	19
Windom SF	PlainsGold	HWW	38.5	59.5	12.9	19
Canvas	PlainsGold	HRW	37.5	63.0	12.7	21
CO20SFD020R	Colorado State University exp.	HRW	37.5	63.0	12.5	23
CO19D087R	Colorado State University exp.	HRW	37.5	62.0	12.2	21
CO18035RA	Colorado State University exp.	HRW	37.0	63.5	12.7	21
CO20SF141R	Colorado State University exp.	HRW	37.0	60.0	13.5	21
Amplify SF	PlainsGold	HRW	36.5	63.0	13.4	22
CO19S129W	Colorado State University exp.	HWW	36.5	63.0	12.1	22
Guardian	PlainsGold	HRW	36.0	63.5	12.4	20
Byrd	PlainsGold	HRW	35.5	63.0	13.1	20
CO20D108R	Colorado State University exp.	HRW	35.5	62.5	11.6	21
LCS Julep	Limagrain	HRW	34.0	63.0	12.5	18
Monarch	PlainsGold	HWW	34.0	63.0	12.9	22
AP Sunbird	AgriPro	HRW	34.0	62.5	12.8	20
Byrd CL Plus	PlainsGold	HRW	34.0	62.5	12.0	22
Langin	PlainsGold	HRW	33.5	62.0	13.3	20
CO200037R	Colorado State University exp.	HRW	32.5	63.0	12.5	19
CO20022RC	Colorado State University exp.	HRW	32.5	62.5	12.6	20
Crescent AX	PlainsGold	HRW	32.5	61.5	12.8	19
CO19393R	Colorado State University exp.	HRW	32.0	62.0	13.6	23
Snowmass 2.0	PlainsGold	HWW	31.5	61.5	12.8	18
CP7220	CROPLAN	HRW	27.0	58.0	13.4	18
Fortify SF	PlainsGold	HRW	26.5	61.5	14.0	17
CO20SFD019R	Colorado State University exp.	HRW	26.0	61.5	13.6	19
Average			36.5	62.0	12.8	20
			^b LSD (0.30)	3.3	0.6	
			^b LSD (0.05)	6.3	1.1	
Coefficient of Variation (CV)			7.2			

^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: Scherler Farms
 Harvest date: June 25, 2024
 Planting date: September 7, 2023
 Soil Type: Olney sandy loam
 GPS Coordinates: 38.53114, -102.47207
 Trial Comments: Planted 1.5" deep into moisture and tilled sorghum residue. Fall emergence and growth was very good. Good growth in the spring. Brown wheat mites noted in early spring along with drought stress symptoms. Timely rainfall received in May and early June. Radar estimates showed the trial received 5.4" of precipitation and 3,767 growing degree-days (GDD) (base 32°F) from January 1st through June 25th.

*The data included in this table may not be republished without permission.
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