

2023 Dryland Winter Wheat Variety Performance Trial at Sheridan Lake

Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu	Plant Height in
Whistler	PlainsGold	HRW	48.5	54	31
CO19D304R	Colorado State University exp.	HRW	45.5	52	30
Monarch	PlainsGold	HWW	43.5	56	23
CO19393R	Colorado State University exp.	HRW	43.0	52	27
CO18D297R	Colorado State University exp.	HRW	41.0	55	27
CP7017AX	CROPLAN	HRW	41.0	56	22
CO18D007W	Colorado State University exp.	HWW	40.5	55	25
CO19D087R	Colorado State University exp.	HRW	40.5	53	26
KS Big Bow	Kansas Wheat Alliance	HWW	40.5	54	23
Canvas	PlainsGold	HRW	40.0	54	29
CO19410R	Colorado State University exp.	HRW	40.0	54	28
Windom SF	PlainsGold	HWW	40.0	53	22
CO20D108R	Colorado State University exp.	HRW	39.5	54	29
Breck	PlainsGold	HWW	38.5	56	23
CO19S129W	Colorado State University exp.	HWW	38.5	56	26
CO19S085W	Colorado State University exp.	HWW	38.0	55	28
Valley	Frenchman Valley Coop	HWW	38.0	56	30
Hatcher	PlainsGold	HRW	37.5	53	24
Kivari AX	PlainsGold	HRW	37.5	53	26
CO19S053R	Colorado State University exp.	HRW	37.0	55	25
MS Maverick	Meridian Seeds	HRW	36.5	52	29
Amplify SF	PlainsGold	HRW	36.0	53	31
CO200037R	Colorado State University exp.	HRW	36.0	54	24
Guardian	PlainsGold	HRW	36.0	55	26
Snowmass 2.0	PlainsGold	HWW	35.5	54	23
CO18035RA	Colorado State University exp.	HRW	35.0	54	24
CO18042RA	Colorado State University exp.	HRW	35.0	54	22
Byrd CL Plus	PlainsGold	HRW	34.5	53	30
Byrd	PlainsGold	HRW	33.5	55	28
Ray	PlainsGold	HRW	33.5	48	28
LCS Steel AX	Limagrain	HRW	33.0	54	26
Avery	PlainsGold	HRW	32.0	53	27
Brawl CL Plus	PlainsGold	HRW	32.0	54	25
Fortify SF	PlainsGold	HRW	32.0	53	26
CO19S135W	Colorado State University exp.	HWW	31.5	53	28
Langin	PlainsGold	HRW	31.5	54	26
Crescent AX	PlainsGold	HRW	31.0	55	25
Sunshine	PlainsGold	HWW	31.0	54	22
AP Roadrunner	AgriPro	HRW	22.5	52	24
LCS Atomic AX	Limagrain	HRW	21.5	53	24

Average 36.5 54 26

^bLSD (0.30) 3.5 1

^bLSD (0.05) 7.0 2

Coefficient of Variation (CV) 13.1

^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: July 14, 2023

Planting date: September 5, 2022

Soil Type: Wiley loam

GPS Coordinates: 38.53187, -102.43544

Trial Comments: Planted 1.5" deep into excellent moisture and corn residue. Fall emergence was very good. Trial showed winterkill in some varieties in early spring. Some field/soil variation apparent in spring. Radar estimates showed the trial received 14.5" of precipitation and 3,719 growing degree-days (GDD) (base 32°F) from January 1st through July 14th.

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

Contact Sally Jones-Diamond (sally.jones@colostate.edu)