

2024 Dryland Winter Wheat Variety Performance Trial at Lamar

Variety	Brand/Source	Market			Protein percent	Plant Height in
		Class	Grain Yield ^a bu/ac	Test Weight lb/bu		
Kivari AX	PlainsGold	HRW	52.0	59.5	11.3	19
CO19D304R	Colorado State University exp.	HRW	48.5	60.0	10.3	24
Whistler	PlainsGold	HRW	48.5	60.0	9.9	25
CP7017AX	CROPLAN	HRW	47.5	61.5	10.2	24
CO18D007W	Colorado State University exp.	HWW	47.0	60.5	10.8	26
CO20SF141R	Colorado State University exp.	HRW	47.0	60.0	10.6	26
Windom SF	PlainsGold	HWW	47.0	58.5	10.5	22
Breck	PlainsGold	HWW	46.0	61.5	10.7	25
CO19S129W	Colorado State University exp.	HWW	46.0	61.5	10.9	23
Snowmass 2.0	PlainsGold	HWW	46.0	61.0	10.5	25
CO20SF014W	Colorado State University exp.	HWW	46.0	59.5	10.4	27
CO19393R	Colorado State University exp.	HRW	45.5	61.5	11.0	23
CO18D297R	Colorado State University exp.	HRW	45.0	61.0	11.2	19
Avery	PlainsGold	HRW	45.0	60.0	10.4	24
CO18042RA	Colorado State University exp.	HRW	44.5	60.0	10.3	24
Monarch	PlainsGold	HWW	44.0	61.5	10.9	21
AP Sunbird	AgriPro	HRW	43.0	62.0	11.3	21
Byrd	PlainsGold	HRW	43.0	60.5	10.3	24
Crescent AX	PlainsGold	HRW	43.0	60.5	10.5	26
CO19D087R	Colorado State University exp.	HRW	43.0	59.5	10.2	24
CO20D108R	Colorado State University exp.	HRW	42.0	62.0	10.3	23
Fortify SF	PlainsGold	HRW	41.5	60.5	11.4	22
Guardian	PlainsGold	HRW	41.0	62.0	11.4	20
Amplify SF	PlainsGold	HRW	41.0	61.0	11.4	25
CO20SFD020R	Colorado State University exp.	HRW	40.5	62.0	10.7	23
Canvas	PlainsGold	HRW	40.5	61.5	10.9	25
CO20022RC	Colorado State University exp.	HRW	40.5	61.5	11.1	22
CO19410R	Colorado State University exp.	HRW	40.0	61.5	11.2	22
Langin	PlainsGold	HRW	40.0	60.0	11.0	21
CO21SF191RA	Colorado State University exp.	HRW	40.0	59.5	11.6	26
CP7220	CROPLAN	HRW	40.0	58.5	11.6	24
CO18035RA	Colorado State University exp.	HRW	38.5	60.5	10.3	22
CO21SF263RA	Colorado State University exp.	HRW	37.5	59.5	11.7	24
CO200037R	Colorado State University exp.	HRW	37.0	61.5	11.0	26
Byrd CL Plus	PlainsGold	HRW	36.5	60.0	11.0	23
CO20SFD019R	Colorado State University exp.	HRW	36.0	61.0	10.7	26
LCS Julep	Limagrain	HRW	34.0	62.0	11.9	25

Average 43.0 60.5 10.8 23

^bLSD (0.30) 2.8 0.4

^bLSD (0.05) 5.4 0.8

Coefficient of Variation (CV) 5.4

^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: Stulp Farms
 Harvest date: June 21, 2024
 Planting date: September 8, 2023
 Soil Type: Baca silt loam
 GPS Coordinates: 38.0034, -102.55723
 Trial Comments: Planted 2.25" deep into moisture and tilled wheat residue. Fall emergence and growth was good. Trial was showing symptoms of drought stress by mid-spring. Radar estimates showed the trial received 5.1" of precipitation and 3,683 growing degree-days (GDD) (base 32°F) from January 1st through June 21st.

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