

2025 Dryland Winter Wheat Variety Performance Trial at Yuma

Variety	Brand/Source	Market Class	Grain Yield ^a	Test Weight	Protein	Plant Height
			bu/ac	lb/bu	percent	in
CO19D087R	Colorado State University exp.	HRW	95.4	58.0	10.0	29
CO20D036R	Colorado State University exp.	HRW	92.5	58.6	9.3	29
Whistler	PlainsGold	HRW	92.4	59.3	10.3	36
Crescent AX	PlainsGold	HRW	91.2	59.1	9.6	32
Langin	PlainsGold	HRW	90.7	58.3	9.7	31
CO20D108R	Colorado State University exp.	HRW	90.4	59.1	9.5	30
Telluride	PlainsGold	HWW	90.0	60.4	9.8	32
Monarch	PlainsGold	HWW	89.8	59.9	9.6	31
Snowmass 2.0	PlainsGold	HWW	89.7	60.2	9.7	32
Breck	PlainsGold	HWW	88.4	63.2	9.8	32
CO19410R	Colorado State University exp.	HRW	88.4	60.6	9.0	33
CO22SF047RA	Colorado State University exp.	HRW	88.4	60.2	10.1	32
CO20SFD020R	Colorado State University exp.	HRW	88.4	61.0	10.5	34
Avery	PlainsGold	HRW	88.4	60.4	9.8	35
Byrd	PlainsGold	HRW	88.3	58.4	8.6	34
AP Sunbird	AgriPro	HRW	88.1	60.4	9.2	30
Byrd CL Plus	PlainsGold	HRW	87.8	60.0	9.1	34
AR Iron Eagle 22AX	Armor	HRW	87.8	60.1	10.5	30
CO21D1790R	Colorado State University exp.	HRW	87.7	60.2	9.4	31
CP7017AX	Croplan	HRW	86.4	60.8	10.0	30
Kivari AX	PlainsGold	HRW	86.3	57.9	9.0	35
CO22SF003R	Colorado State University exp.	HRW	86.1	60.8	9.9	33
CO18042RA	Colorado State University exp.	HRW	85.5	58.1	10.1	32
CO20022RC	Colorado State University exp.	HRW	85.1	60.7	9.9	31
Guardian	PlainsGold	HRW	84.4	60.7	11.0	33
Canvas	PlainsGold	HRW	83.7	60.4	11.5	32
CO20SFD019R	Colorado State University exp.	HRW	83.3	60.0	9.6	30
KS Bill Snyder	Kansas Wheat Alliance	HRW	82.6	60.4	10.5	31
Sheridan	PlainsGold	HRW	82.6	58.7	9.8	34
KS Territory	Kansas Wheat Alliance	HRW	82.4	57.9	11.3	32
Windom SF	PlainsGold	HWW	82.2	61.9	9.7	31
CO21SF226R	Colorado State University exp.	HRW	82.0	60.9	10.7	36
NHH19668	University of Nebraska-Lincoln Exp.	HRW	81.7	60.4	10.5	32
Valley	Frenchman Valley Coop	HWW	81.4	59.2	10.9	32
Fortify SF	PlainsGold	HRW	81.4	59.6	10.4	32
CO22SF008WC	Colorado State University exp.	HWW	80.9	58.3	9.9	38
Amplify SF	PlainsGold	HRW	80.8	61.0	11.4	33
CO21SFD0950R	Colorado State University exp.	HRW	80.3	58.8	11.1	34
AP Bigfoot	AgriPro	HRW	80.3	60.6	10.6	31
CO200037R	Colorado State University exp.	HRW	80.0	59.8	10.6	30
CP7869	Croplan	HRW	79.0	59.8	10.1	29
AR Turret 25	Armor	HRW	78.5	59.2	10.5	31
AP Solid	AgriPro	HRW	78.2	59.7	11.6	33
CO21SF191RA	Colorado State University exp.	HRW	77.9	59.1	10.5	35
CO22SFD101R	Colorado State University exp.	HRW	76.2	59.0	10.3	35
KS Homesteader CL+	Kansas Wheat Alliance	HRW	74.8	61.5	12.2	33
CO21SF263RA	Colorado State University exp.	HRW	73.2	57.5	11.4	36
CO22SF039M	Colorado State University exp.	HRW	72.5	60.3	12.3	34
CP7909	Croplan	HRW	72.5	58.0	10.9	30
WB4444	WestBred	HRW	70.8	57.9	11.4	32
WB4733CLP	WestBred	HRW	67.4	59.1	11.5	31
MT WarCat	Montana State University	HRW	64.3	54.9	11.9	31
Average			83.0	59.5	10.3	32
^b LSD (0.30)			2.6	0.7		
^b LSD (0.05)			4.9	1.4		
Coefficient of Variation (CV)			3.7	0.8		

^aGrain yield adjusted to 12% moisture and varieties ranked by yield (highest to lowest). Variety yield values 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: Andrews Brothers
 Harvest date: July 3, 2025
 Planting date: September 25, 2024
 Soil Type: Haxtun sandy loam
 GPS Coordinates: 40.18668, -102.65383
 Trial Comments: Planted 1" deep, into mixed moisture and no-till millet residue. Fall emergence and stands were below average. Good moisture through most of fall and winter. Good growth in the spring and some spring emergence noted. Well-timed moisture in the spring. Wheat stem sawfly were present but did not lodge plots.

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