

2026 Dryland Winter Wheat Variety Performance Trial at Julesburg

Variety	Brand/Source	Market Class	Grain Yield ^a	Test Weight	Protein	Sawfly Cutting	Plant Height
			bu/ac	lb/bu	percent	rating (1-9) ^b	in
KS Tradition	Kansas Wheat Alliance	HRW	39.1	60.5	11.0	6	23
Whistler	PlainsGold	HRW	32.9	56.8	12.0	5	26
Outlaw	PlainsGold	HRW	32.4	56.6	11.0	4	23
Avery	PlainsGold	HRW	32.3	58.3	11.4	5	25
Guardian	PlainsGold	HRW	32.1	58.8	13.1	5	26
CO21D1790R	Colorado State University exp.	HRW	31.9	60.1	11.4	3	22
CP7017AX	Croplan	HRW	31.8	59.1	11.8	6	22
Sheridan	PlainsGold	HRW	31.3	58.2	11.3	4	25
CO22D002R	Colorado State University exp.	HRW	31.0	57.9	12.7	5	23
CO19410R	Colorado State University exp.	HRW	30.8	57.3	12.8	4	25
Hoyt SF	PlainsGold	HRW	30.6	58.8	12.1	2	25
Canvas	PlainsGold	HRW	30.6	58.5	11.5	4	23
CO210418R	Colorado State University exp.	HRW	30.5	59.6	11.6	3	26
CO21SF226R	Colorado State University exp.	HRW	30.4	60.1	12.5	1	27
Monarch	PlainsGold	HWW	30.4	57.0	11.8	3	24
NSF22115	University of Nebraska-Lincoln exp.	HRW	30.3	58.2	11.4	2	26
Byrd	PlainsGold	HRW	30.3	57.8	10.7	5	25
Kivari AX	PlainsGold	HRW	30.2	57.0	11.2	4	27
Fortify SF	PlainsGold	HRW	30.1	57.7	11.3	1	27
CO210077R	Colorado State University exp.	HRW	30.0	56.4	11.3	4	26
CO20D108R	Colorado State University exp.	HRW	29.9	57.0	12.5	4	22
NSF23324	University of Nebraska-Lincoln exp.	HRW	29.8	57.4	13.3	2	24
NHH19651	University of Nebraska-Lincoln exp.	HRW	29.8	58.4	11.5	5	27
Crescent AX	PlainsGold	HRW	29.8	58.2	11.5	4	25
Snowmass 2.0	PlainsGold	HWW	29.6	59.1	11.3	4	25
Telluride	PlainsGold	HWW	29.6	57.0	11.5	4	22
CO21SF240R	Colorado State University exp.	HRW	29.6	59.0	11.6	3	25
KS Territory	Kansas Wheat Alliance	HRW	29.4	57.4	11.9	4	23
AP Solid	AgriPro	HRW	29.3	59.2	11.5	2	24
CO21SF197R	Colorado State University exp.	HRW	29.3	58.1	11.6	1	26
CO20D068W	Colorado State University exp.	HWW	28.6	57.3	11.3	3	22
CO20022RC	Colorado State University exp.	HRW	28.6	58.2	11.8	4	24
Milestone	Dyna-Gro	HRW	28.5	57.3	10.7	5	22
CP7869	Croplan	HRW	28.3	58.5	12.2	4	24
AP Tango	AgriPro	HRW	28.2	57.0	11.7	5	23
CP7599CLP	Croplan	HRW	28.2	60.0	12.3	5	24
Gabriel	PlainsGold	HRW	28.1	59.0	10.9	4	23
Breck	PlainsGold	HWW	28.0	58.1	11.5	3	23
CO22SF047RA	Colorado State University exp.	HRW	28.0	56.2	12.0	1	27
Byrd CL Plus	PlainsGold	HRW	27.7	56.9	11.5	4	23
AP Sunbird	AgriPro	HRW	27.5	58.4	12.1	4	22
KS Homesteader CL+	Kansas Wheat Alliance	HRW	27.5	60.8	13.1	5	26
CP7462	Croplan	HRW	27.2	56.7	12.2	3	20
Bemd	USDA-ARS & Colo. State Univ.	HRW	26.9	57.9	12.3	4	25
CO22SFD168W	Colorado State University exp.	HWW	26.8	57.7	12.1	2	22
Amplify SF	PlainsGold	HRW	26.7	56.1	12.2	1	26
Ramsay	Dyna-Gro	HRW	26.5	58.4	13.0	5	24
CO22194RA	Colorado State University exp.	HRW	26.2	55.8	12.4	4	24
Langin	PlainsGold	HRW	26.2	57.2	11.7	3	22
CO20D036R	Colorado State University exp.	HRW	26.0	57.5	11.6	4	24
CO22195RA	Colorado State University exp.	HRW	25.7	57.5	13.5	2	25
Windom SF	PlainsGold	HWW	24.9	57.6	11.4	2	22
CP7909	Croplan	HRW	24.7	55.7	12.7	4	22
CO23SFD034RC	Colorado State University exp.	HRW	23.1	54.2	13.3	1	23
CO23SFD004RA	Colorado State University exp.	HRW	22.8	50.9	11.7	1	26
CO23SFD035RC	Colorado State University exp.	HRW	22.0	54.1	12.6	1	23
Average			29.0	57.5	11.9	3	24
^c LSD (0.30)			1.6	0.6			
^c LSD (0.05)			3.0	1.1			
Coefficient of Variation (CV)			4.9%	0.7%			

^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).

^bWheat stem sawfly cutting score: 1 equals no cutting and 9 is severe cutting. Scores are averaged across three replicates.

^cFarmers 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: Carlson Farms

Harvest date: July 2, 2026

Planting date: September 22, 2025

Soil Type: Rago and Kuma silt loams

GPS Coordinates: 40.83718, -102.35773

Trial Comments: Planted 2" deep, into moisture and tilled corn residue. Fall emergence and stands were good. Very dry winter and early spring. Minimal freeze damage noted from late-season cold temperatures. Total moisture from planting to harvest was 7.46" with half of the total precipitation received in May and June.

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