

# 2025 Dryland Winter Wheat Variety Performance Trial at New Raymer

Variety	Brand/Source	Market Class	Grain Yield <sup>a</sup>		Test Weight		Protein	Heading days from trial avg. <sup>b</sup>	Sawfly Cutting rating (1-9) <sup>c</sup>	Plant Height in
			bu/ac	lb/bu	percent	lb/bu				
CO22SF047RA	Colorado State University exp.	HRW	<b>62.9</b>	57.4	14.4	0	1	26		
Avery	PlainsGold	HRW	<b>62.0</b>	57.6	13.8	-2	4	25		
Byrd	PlainsGold	HRW	<b>59.8</b>	57.1	13.9	-1	3	25		
CO20D108R	Colorado State University exp.	HRW	<b>59.7</b>	57.6	13.8	1	3	24		
Valley	Frenchman Valley Coop	<b>HW</b>	<b>58.5</b>	57.3	13.9	0	5	26		
CO19D087R	Colorado State University exp.	HRW	58.0	56.3	14.1	-2	2	23		
Breck	PlainsGold	<b>HW</b>	57.8	58.9	15.0	-1	5	23		
Whistler	PlainsGold	HRW	56.1	58.3	13.9	2	5	26		
CO20D036R	Colorado State University exp.	HRW	55.9	56.4	14.6	-2	2	21		
Langin	PlainsGold	HRW	55.9	56.4	14.4	-3	3	23		
CP7017AX	Croplan	HRW	55.0	58.1	14.8	-1	2	23		
CO20022RC	Colorado State University exp.	HRW	54.9	<b>60.2</b>	13.6	0	5	24		
Kivari AX	PlainsGold	HRW	54.6	58.8	13.0	-1	5	22		
AR Iron Eagle 22AX	Armor	HRW	54.2	58.0	14.4	1	2	21		
Canvas	PlainsGold	HRW	54.1	58.6	15.0	0	3	22		
AP Bigfoot	AgriPro	HRW	53.6	57.0	15.4	0	5	22		
Crescent AX	PlainsGold	HRW	53.5	57.3	13.9	-3	3	21		
Monarch	PlainsGold	<b>HW</b>	53.3	58.3	14.2	1	3	23		
Telluride	PlainsGold	<b>HW</b>	53.2	57.6	14.2	0	3	24		
CO20SFD020R	Colorado State University exp.	HRW	53.2	58.9	13.9	0	2	26		
CO19410R	Colorado State University exp.	HRW	52.9	58.3	14.1	0	2	21		
CO22SF008WC	Colorado State University exp.	<b>HW</b>	52.7	56.7	14.6	1	2	22		
CO21SF226R	Colorado State University exp.	HRW	52.1	<b>59.7</b>	14.3	1	1	23		
Windom SF	PlainsGold	<b>HW</b>	52.0	59.1	14.9	-1	1	25		
CO200037R	Colorado State University exp.	HRW	51.9	59.4	14.3	0	4	22		
Guardian	PlainsGold	HRW	51.5	58.9	14.1	0	4	26		
AP Sunbird	AgriPro	HRW	51.4	59.0	14.9	-1	4	24		
CO22SF039M	Colorado State University exp.	HRW	51.1	<b>60.0</b>	15.7	2	1	23		
Amplify SF	PlainsGold	HRW	50.9	59.1	14.2	0	2	27		
Byrd CL Plus	PlainsGold	HRW	50.8	58.1	15.1	0	4	22		
CO22SF003R	Colorado State University exp.	HRW	49.9	57.9	14.1	1	1	22		
Fortify SF	PlainsGold	HRW	49.4	57.9	14.4	0	2	23		
Sheridan	PlainsGold	HRW	49.4	57.9	13.7	0	4	19		
CO21D1790R	Colorado State University exp.	HRW	48.6	58.6	14.3	0	4	20		
KS Bill Snyder	Kansas Wheat Alliance	HRW	48.5	57.8	15.0	0	3	23		
Snowmass 2.0	PlainsGold	<b>HW</b>	48.3	58.5	14.3	0	5	24		
CO21SF263RA	Colorado State University exp.	HRW	48.2	56.5	16.0	3	4	25		
CO20SFD019R	Colorado State University exp.	HRW	47.8	58.2	14.2	-2	1	21		
CP7869	Croplan	HRW	47.5	56.6	14.7	0	3	24		
CP7909	Croplan	HRW	47.5	55.8	14.9	-1	2	21		
AR Turret 25	Armor	HRW	47.3	56.5	14.9	1	5	20		
AP Solid	AgriPro	HRW	46.9	59.4	14.1	0	2	23		
NHH19668	University of Nebraska-Lincoln exp.	HRW	44.6	57.1	14.7	1	4	20		
CO18042RA	Colorado State University exp.	HRW	44.2	56.6	14.5	0	3	22		
CO21SFD0950R	Colorado State University exp.	HRW	44.1	58.2	13.7	1	1	24		
CO21SF191RA	Colorado State University exp.	HRW	43.3	57.8	14.9	3	4	22		
KS Homesteader CL+	Kansas Wheat Alliance	HRW	43.1	59.2	15.4	1	5	22		
WB4444	WestBred	HRW	42.3	57.5	15.4	1	1	21		
KS Territory	Kansas Wheat Alliance	HRW	40.4	56.6	15.4	0	3	20		
CO22SFD101R	Colorado State University exp.	HRW	40.2	57.9	14.6	1	2	24		
WB4733CLP	WestBred	HRW	34.8	58.4	15.5	3	1	21		
MT WarCat	Montana State University	HRW	29.9	59.5	15.2	4	2	23		
<b>Average</b>			<b>50.5</b>	<b>58.0</b>	<b>14.5</b>	<b>May 21, 2025</b>	<b>3</b>	<b>23</b>		
<sup>d</sup> LSD (0.30)			4.4	0.6						
<sup>d</sup> LSD (0.05)			8.4	1.1						
Coefficient of Variation (CV)			6.6	0.4						

<sup>a</sup>Grain 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).

<sup>b</sup>Varieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average.

<sup>c</sup>Wheat Stem Sawfly cutting score: 1 equals no cutting and 9 is severe cutting. Scores are averaged across three replicates.

<sup>d</sup>Farmers 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: Jim Mertens

Harvest date: July 14, 2025

Planting date: September 20, 2024

Soil Type: Olney fine sandy loam

GPS Coordinates: 40.5535322, -103.8984853

Trial Comments: Planted 1.5" deep, into dry ground and no-till proso millet residue. Fall emergence and stands were average with some spots of poor emergence. Well-timed moisture in the spring and early summer allowed for increased plant tillering. Wheat stem sawfly pressure was moderate and sawfly induced lodging/cutting scores have been included.

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