

# 2025 Dryland Winter Wheat Variety Performance Trial at Genoa

Variety	Brand/Source	Market Class	Grain Yield <sup>a</sup> bu/ac	Test Weight lb/bu	Protein percent	Sawfly Cutting rating (1-9) <sup>b</sup>	Plant Height in
CO20D036R	Colorado State University exp.	HRW	<b>54.6</b>	57.6	13.1	2	30
CO22SF047RA	Colorado State University exp.	HRW	<b>51.7</b>	55.7	14.1	1	27
Amplify SF	PlainsGold	HRW	<b>51.3</b>	57.2	14.6	1	27
Breck	PlainsGold	<b>HWW</b>	<b>51.3</b>	<b>59.9</b>	14.4	3	29
Windom SF	PlainsGold	<b>HWW</b>	51.0	<b>58.7</b>	15.7	1	31
CO20SFD019R	Colorado State University exp.	HRW	50.6	57.8	14.1	1	27
AP Sunbird	AgriPro	HRW	50.0	56.9	16.0	4	28
CO21D1790R	Colorado State University exp.	HRW	49.0	<b>59.0</b>	14.6	3	26
AR Iron Eagle 22AX	Armor	HRW	48.1	57.0	13.5	2	28
Crescent AX	PlainsGold	HRW	47.8	57.2	14.1	2	24
CO21SF226R	Colorado State University exp.	HRW	47.5	58.0	16.2	1	27
KS Bill Snyder	Kansas Wheat Alliance	HRW	47.5	56.9	14.3	2	33
CO20SFD020R	Colorado State University exp.	HRW	47.5	57.0	15.3	1	32
CO19D087R	Colorado State University exp.	HRW	47.2	55.3	14.8	5	24
Byrd CL Plus	PlainsGold	HRW	47.2	56.9	16.0	2	28
Whistler	PlainsGold	HRW	47.0	56.8	13.7	2	24
Byrd	PlainsGold	HRW	46.7	55.2	14.5	2	28
KS Territory	Kansas Wheat Alliance	HRW	46.6	54.7	15.6	4	30
Avery	PlainsGold	HRW	46.4	58.0	13.9	3	32
AP Solid	AgriPro	HRW	46.3	58.0	14.1	1	30
CO19410R	Colorado State University exp.	HRW	46.1	<b>59.3</b>	16.1	4	26
CP7017AX	Croplan	HRW	45.9	58.3	14.9	2	28
WB4444	WestBred	HRW	45.6	57.0	15.2	1	30
CO20022RC	Colorado State University exp.	HRW	45.4	<b>59.0</b>	15.1	4	33
CP7869	Croplan	HRW	44.6	57.4	15.0	3	26
Sheridan	PlainsGold	HRW	44.4	55.1	13.4	2	27
CO22SF008WC	Colorado State University exp.	<b>HWW</b>	44.2	55.0	14.5	1	28
Telluride	PlainsGold	<b>HWW</b>	44.2	53.9	15.0	5	30
CP7909	Croplan	HRW	43.9	57.2	15.0	2	28
Fortify SF	PlainsGold	HRW	43.5	55.8	14.7	1	30
Kivari AX	PlainsGold	HRW	43.3	54.5	14.3	2	26
KS Homesteader CL+	Kansas Wheat Alliance	HRW	43.0	58.3	14.4	4	28
Canvas	PlainsGold	HRW	42.9	57.8	14.6	5	32
AP Bigfoot	AgriPro	HRW	42.6	54.8	14.9	3	30
AR Turret 25	Armor	HRW	42.6	<b>59.3</b>	15.1	3	31
Snowmass 2.0	PlainsGold	<b>HWW</b>	42.0	57.9	15.0	4	30
CO22SF003R	Colorado State University exp.	HRW	41.9	53.8	15.8	1	31
Langin	PlainsGold	HRW	41.9	55.6	14.2	3	24
NHH19668	University of Nebraska-Lincoln exp.	HRW	41.8	55.6	14.6	3	24
CO21SFD0950R	Colorado State University exp.	HRW	40.8	52.2	15.1	0	25
CO18042RA	Colorado State University exp.	HRW	40.7	54.4	15.6	2	30
Monarch	PlainsGold	<b>HWW</b>	40.6	55.2	13.9	3	32
CO22SFD101R	Colorado State University exp.	HRW	40.1	56.1	15.1	1	24
CO21SF191RA	Colorado State University exp.	HRW	39.9	53.9	19.0	1	30
CO200037R	Colorado State University exp.	HRW	39.8	55.6	16.0	4	28
Valley	Frenchman Valley Coop	<b>HWW</b>	39.7	53.9	15.3	3	27
CO21SF263RA	Colorado State University exp.	HRW	39.6	53.0	15.8	2	29
WB4733CLP	WestBred	HRW	39.2	51.7	17.0	0	29
Guardian	PlainsGold	HRW	37.8	56.1	17.5	3	31
CO20D108R	Colorado State University exp.	HRW	35.4	50.2	17.6	4	28
CO22SF039M	Colorado State University exp.	HRW	35.1	52.0	18.2	1	25
MT WarCat	Montana State University	HRW	31.0	51.7	18.3	1	26
<b>Average</b>			<b>44.5</b>	<b>56.0</b>	<b>15.2</b>	<b>2</b>	<b>28</b>
<sup>c</sup> LSD (0.30)			3.5	1.4			
<sup>c</sup> LSD (0.05)			6.6	2.7			
Coefficient of Variation (CV)			9.3	1.8			

<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

<sup>b</sup>Wheat Stem Sawfly cutting score: 1 equals no cutting and 9 is severe cutting. Scores are from single replicate.

<sup>c</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: Homestead Farms  
 Harvest date: July 20, 2025  
 Planting date: September 23, 2024  
 Soil Type: Weld silt loam  
 GPS Coordinates: 39.380357806368, -103.4734315642  
 Trial Comments: Planted about 1.5" deep, into dry ground and no-till sorghum residue. Fall emergence and stands were average with some areas of poor emergence. Spring emergence helped with final stand. Wheat stem sawfly pressure was light to moderate and sawfly induced lodging/cutting scores have been included.

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