



UNIVERSITY of NEBRASKA  
LINCOLN

## Lincoln County Rainfed 2025 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Protein (%) <sup>2</sup>	Plant Height (in)	Grain Weight (1000 seeds/lb)
Whistler	PlainsGold	<b>67.8</b>	<b>59.8</b>	9.3	27.7	12.36
AP24 AX	AgriPro	<b>64.4</b>	55.7	8.4	29.0	14.21
CO19D087R	CSU-Experimental	<b>64.2</b>	57.3	8.1	26.8	14.25
FVC Valley	FVC	<b>64.0</b>	57.4	7.8	29.8	14.44
Rockstar	Polansky Seed, Inc.	<b>62.9</b>	58.0	8.2	27.8	13.37
NE20620	UNL-Experimental	61.9	58.2	<b>9.8</b>	28.8	12.13
NE21579	UNL-Experimental	60.9	58.5	9.4	30.0	14.37
KS Bill Snyder	Kansas Wheat Alliance	60.6	57.1	8.5	28.3	13.24
CP7869	Croplan	59.7	57.5	9.4	27.5	12.05
AP Sunbird	AgriPro	59.3	58.8	8.2	25.3	13.43
XH4033	WestBred-Experimental	59.1	58.0	9.1	28.8	13.37
NE22252	UNL-Experimental	59.0	58.5	8.2	27.0	12.53
WB4422	WestBred	58.5	58.5	<b>11.1</b>	27.0	12.38
KS Providence	Kansas Wheat Alliance	58.4	58.2	9.3	26.0	13.23
NE19619	UNL-Experimental	58.4	58.3	<b>11.0</b>	30.8	12.62
NHH19668	UNL-Experimental	58.2	<b>59.0</b>	8.7	28.3	12.96
MS Maverick	Meridian Seeds	58.1	<b>59.1</b>	<b>9.6</b>	31.0	12.20
AG Golden	AGSECO	57.7	57.6	8.2	27.3	13.45
NEB148-42	UNL-Experimental	57.6	<b>59.4</b>	7.6	32.0	14.23
AP Bigfoot	AgriPro	57.6	57.7	8.6	26.8	15.64
Golden Hawk	Polansky Seed, Inc.	57.6	57.2	9.0	26.5	13.82
Canvas	PlainsGold	57.5	<b>59.5</b>	8.8	27.0	15.36
Robidoux	Nu Horizon Genetics	57.5	58.1	8.7	29.3	13.85
NE22172	UNL-Experimental	57.3	56.3	9.2	29.8	15.36
WB4510CLP	WestBred	57.1	<b>59.7</b>	<b>9.8</b>	29.5	12.74
NE18455	UNL-Experimental	57.1	56.9	<b>9.8</b>	28.0	14.89
KS Territory	Kansas Wheat Alliance	57.0	<b>59.0</b>	9.1	27.5	12.81
WB4347	WestBred	56.6	<b>59.4</b>	9.0	26.8	13.16
WB4445CLP	WestBred	56.3	58.1	<b>11.0</b>	27.3	13.59
LCS Aries	Limagrain Cereal Seeds	56.2	57.4	8.6	26.0	13.88
NE22284	UNL-Experimental	56.2	58.9	9.1	31.3	12.54
Sheridan	PlainsGold	55.6	<b>59.2</b>	<b>10.5</b>	27.5	14.17
AR Turret 25	Armor	55.6	57.4	9.0	26.3	12.13

<sup>1</sup> Yield values corrected to 12% moisture content. Bolded values indicate highest LSD grouping.

<sup>2</sup> Protein corrected to 14% moisture content, the correction factor used in analytical standards. Turkey and Scout 66 excluded from protein LSD groups due to known high protein contents.

Name	Company	Yield (bu/ac)	Test Weight (lb/bu)	Protein (%)	Plant Height (in)	Grain Weight (1000 seeds/lb)
WB4595	WestBred	55.6	58.0	9.2	27.3	13.78
NE18435	UNL-Experimental	55.1	<b>59.1</b>	<b>9.8</b>	26.0	14.07
Settler CL	Nu Horizon Genetics	54.4	58.2	<b>10.0</b>	28.0	13.18
LCS Radar	Limagrain Cereal Seeds	53.5	57.0	9.3	25.3	13.76
AR Iron Eagle 22AX	Armor	53.2	58.4	<b>9.9</b>	27.5	14.08
WB4733CLP	WestBred	52.7	57.5	9.1	28.3	14.73
CP7017AX	Croplan	52.2	58.3	8.9	25.5	14.29
LCS Mojo	Limagrain Cereal Seeds	51.8	57.1	9.5	29.5	14.29
High Country	Polansky Seed, Inc.	51.7	58.2	9.1	26.0	15.38
WB4444	WestBred	51.5	58.5	9.4	27.5	15.47
NE Prism CLP	Nu Horizon Genetics	51.2	58.2	<b>10.2</b>	28.8	15.82
LCS Atomic AX	Limagrain Cereal Seeds	50.9	58.5	9.1	25.8	13.16
NE17441	UNL-Experimental	50.5	57.0	<b>10.6</b>	30.8	13.69
Wesley	NuHorizon Genetics	50.5	57.0	<b>9.6</b>	26.8	12.54
Ruth	Nu Horizon Genetics	50.1	56.3	9.3	30.5	13.96
Scout 66	Check	47.8	57.6	9.6	35.8	13.06
Turkey	Check	46.5	57.2	11.6	34.9	14.14
<b>Summary Statistics</b>						
<b>Standard Error</b>		2.9	0.5	0.9	1.7	0.45
<b>LSD<sup>3</sup></b>		4.9	0.8	1.5	2.9	0.75
<b>Mean<sup>4</sup></b>		56.5	58.0	9.3	28.2	13.68
<b>CV<sup>5</sup></b>		5.2	0.8	9.6	6.1	3.3
<b>Reps</b>		4	4	2	4	2

<sup>3</sup> For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

<sup>4</sup> Mean performance of all plots in the trial.

<sup>5</sup> Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high-quality trial. For CV>15, there was higher than expected variability in the field or the data and the results should be used with caution.

**SITE INFORMATION**

Collaborator:	UNL WCREC; Nicolas Cafaro and Jeff Golus
Planting Date:	9/25/2024
Seeding Rate:	1 million s/a
Harvest Date:	7/10/2025
Fertility:	50 lb/a 40 Rock applied in-furrow with planting
Herbicide/Fungicides:	Prowl H2O 2.4 pt/A + LV6 4 oz/A applied 4/29/2025
Soil Type:	Holdrege silt loam
GPS:	41.056245, -100.750355
Planting Info:	Planted 1.5" into dry soil after corn fallow
Notes on Trial:	Thinner stand on sandy part of field, but overall good spring recovery and growth despite very dry fall. Farm managers did not apply additional spring fertilizer due to residual N amounts in soil and anticipated dry spring with higher potential for volatility. Field was limed in fall 2024 before planting. Despite tough conditions, had overall good yields and clean data. Test weights slightly lower than ideal, but in line with rest of field and region. Surrounding field averaged between 45-50 bu/a and was planted to AP18 AX.

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