



UNIVERSITY of NEBRASKA
LINCOLN

Perkins County Rainfed 2025 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Grain Weight (1000 seeds/lb)
AP24 AX	AgriPro	59.6	55.2	10.3	33.1	14.79
Rockstar	Polansky Seed, Inc.	59.0	54.0	12.0	28.7	15.49
NEB148-42	UNL-Experimental	56.1	56.6	11.5	29.9	16.99
FVC Valley	FVC	55.8	53.7	11.2	30.2	15.32
Whistler	PlainsGold	55.5	56.0	11.1	33.1	12.75
Canvas	PlainsGold	55.4	57.7	10.7	29.5	16.47
AG Golden	AGSECO	54.7	56.7	10.4	28.6	16.45
WB4595	WestBred	53.9	57.2	11.0	29.7	15.28
KS Providence	Kansas Wheat Alliance	53.3	55.7	10.9	28.5	14.55
WB4347	WestBred	52.6	55.7	11.6	29.4	14.29
CO19D087R	CSU-Experimental	52.4	54.1	10.1	26.3	16.74
KS Territory	Kansas Wheat Alliance	52.3	54.9	10.9	29.0	13.96
AP Sunbird	AgriPro	51.8	57.4	10.6	29.1	13.47
NE19619	UNL-Experimental	51.6	54.3	12.5	34.2	13.96
WB4445CLP	WestBred	51.6	56.0	12.4	29.5	15.72
NE20620	UNL-Experimental	51.5	54.7	11.2	30.0	15.34
CP7017AX	Croplan	51.4	56.1	11.3	26.5	15.46
NE22252	UNL-Experimental	51.2	55.3	12.0	33.2	15.33
AP Bigfoot	AgriPro	50.5	55.4	11.1	30.8	17.35
NE22172	UNL-Experimental	50.4	53.9	11.8	29.9	17.16
Golden Hawk	Polansky Seed, Inc.	50.4	54.9	12.3	28.2	15.88
NHH19668	UNL-Experimental	50.3	53.6	11.6	30.0	15.63
LCS Atomic AX	Limagrain Cereal Seeds	50.2	55.1	12.1	27.1	14.71
NE18435	UNL-Experimental	50.0	57.6	10.5	28.0	16.47
High Country	Polansky Seed, Inc.	49.6	55.8	10.6	27.5	18.25
MS Maverick	Meridian Seeds	49.6	56.0	11.6	31.3	14.07
KS Bill Snyder	Kansas Wheat Alliance	49.6	57.2	10.8	29.1	14.34
NE21579	UNL-Experimental	49.3	55.0	12.9	31.4	15.84
Robidoux	Nu Horizon Genetics	48.8	55.9	11.9	30.4	15.98
NE18455	UNL-Experimental	47.7	52.9	10.3	30.3	17.49
Settler CL	Nu Horizon Genetics	47.4	54.3	11.8	31.2	14.46
LCS Aries	Limagrain Cereal Seeds	47.3	53.3	10.7	29.4	16.73
WB4422	WestBred	47.2	56.8	12.7	29.2	14.23

¹ Yield values corrected to 12% moisture content. Bolded values indicate highest LSD grouping.

² 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)
CP7869	Croplan	46.8	54.2	11.3	27.1	13.99
NE22284	UNL-Experimental	46.7	55.8	12.4	33.6	14.98
WB4510CLP	WestBred	46.6	57.0	10.6	31.3	15.56
WB4444	WestBred	46.4	54.3	13.8	30.0	17.41
AR Turret 25	Armor	45.3	53.5	11.7	27.4	14.17
XH4033	WestBred-Experimental	44.5	52.5	12.4	29.6	16.34
Wesley	NuHorizon Genetics	44.4	54.1	13.0	27.6	14.86
AR Iron Eagle 22AX	Armor	43.9	56.0	11.3	27.5	14.51
WB4733CLP	WestBred	43.2	54.6	13.3	28.6	17.60
NE Prism CLP	Nu Horizon Genetics	43.1	55.4	12.0	29.9	17.73
Turkey	Check	42.9	53.9	12.7	39.5	17.62
LCS Mojo	Limagrain Cereal Seeds	42.3	55.0	11.7	28.5	16.84
LCS Radar	Limagrain Cereal Seeds	42.1	53.6	11.8	27.4	15.29
NE17441	UNL-Experimental	41.6	55.3	11.6	30.0	16.56
Scout 66	Check	40.7	51.9	12.1	36.9	15.49
Sheridan	PlainsGold	39.9	54.0	12.5	29.4	16.62
Ruth	Nu Horizon Genetics	39.4	54.7	11.7	30.4	15.37
Summary Statistics						
Standard Error		3.8	1.3	0.6	1.2	0.92
LSD³		6.3	2.2	1.1	2.1	1.55
Mean⁴		48.9	55.1	11.6	29.9	15.6
CV⁵		7.8	2.4	5.5	4.2	5.9
Reps		4	4	2	4	2

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

⁴ Mean performance of all plots in the trial.

⁵ 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:	Stumpf International Wheat Research Center/Justin Richardson, Grant, NE
Planting Date:	9/20/2024
Seeding Rate:	1 million seeds/a
Harvest Date:	7/11/2025
Fertility:	50 lb/a 40 Rock in-furrow with planting;
Herbicide/Fungicides:	1 pt/a Prowl H2O + 24 oz/a glyphosate + AMS applied to clean alleys on 4/22/2025; 2.4 pt/a Prowl H2O with 4 oz/a 2,4D LV6 applied a week later to entire field.
Soil Type:	Haxtun fine sandy loam, Kuma and Rosebud loams
GPS:	40.855458, -101.687325
Planting Info:	Planted 1.5" deep into no-till corn fallow, very dry soils.
Notes on Trial:	Despite variable fall emergence in very dry conditions, uneven spring stand, and limited tillering, plot area performed well for the year. Farm manager did not apply additional spring fertilizer due to residual N amounts in soil and anticipated dry spring with higher potential for volatility. Surrounding field was planted to white wheat (Snowmass 2.0). Lower test weights reflected late season rain and tough growing season.

Do not reprint without permission. Contacts: [Amanda Easterly](#) or [Cody Creech](#)