



UNIVERSITY of NEBRASKA
LINCOLN

Hitchcock 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)
Whistler	PlainsGold	80.7	56.0	7.1	31.5	16.64
AP Sunbird	AgriPro	76.8	56.4	7.0	26.4	15.14
WB4510CLP	WestBred	73.3	56.5	7.0	29.3	18.52
AG Golden	AGSECO	72.5	55.1	7.6	28.8	18.10
CO19D087R	CSU-Experimental	72.3	53.4	7.1	26.8	19.24
CP7017AX	Croplan	72.1	56.4	7.7	27.1	15.82
KS Territory	Kansas Wheat Alliance	71.6	55.7	7.1	28.5	16.85
High Country	Polansky Seed, Inc.	70.0	55.5	8.0	28.1	17.63
Canvas	PlainsGold	69.7	55.7	7.3	28.5	16.99
AP Bigfoot	AgriPro	69.6	54.7	8.1	29.2	17.87
WB4422	WestBred	68.8	57.0	8.8	28.3	15.31
KS Bill Snyder	Kansas Wheat Alliance	68.1	54.2	8.5	27.2	15.14
WB4595	WestBred	67.1	57.4	7.5	28.8	15.93
LCS Mojo	Limagrain Cereal Seeds	66.9	55.5	7.1	28.9	16.50
Robidoux	Nu Horizon Genetics	66.8	55.8	7.7	32.1	15.47
AR Iron Eagle 22AX	Armor	66.4	57.2	7.6	27.3	15.78
AP24 AX	AgriPro	66.1	53.6	7.4	29.0	16.52
NEB148-42	UNL-Experimental	65.6	55.9	8.5	30.3	17.62
Sheridan	PlainsGold	65.6	54.7	7.7	29.4	18.28
KS Providence	Kansas Wheat Alliance	64.7	54.4	7.5	28.4	17.95
WB4445CLP	WestBred	64.6	55.4	8.5	29.4	16.35
NE22252	UNL-Experimental	64.5	56.4	7.8	31.2	15.25
LCS Atomic AX	Limagrain Cereal Seeds	64.1	55.2	8.1	28.6	14.56
FVC Valley	FVC	63.2	55.4	7.6	29.5	18.23
Golden Hawk	Polansky Seed, Inc.	63.0	54.0	8.1	26.9	17.90
MS Maverick	Meridian Seeds	62.8	55.8	8.7	29.5	17.40
WB4347	WestBred	62.7	56.6	8.4	27.5	14.40
Rockstar	Polansky Seed, Inc.	62.4	54.6	8.2	26.9	17.12
LCS Aries	Limagrain Cereal Seeds	60.8	53.8	7.4	27.8	17.47
NE17441	UNL-Experimental	60.5	56.3	8.1	29.9	17.68
Settler CL	Nu Horizon Genetics	60.0	55.0	8.5	30.1	15.69
NE20620	UNL-Experimental	60.0	56.2	8.0	28.7	15.00
NE18455	UNL-Experimental	59.7	54.4	8.5	30.8	17.81

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)
NE18435	UNL-Experimental	59.1	57.0	7.4	28.7	16.73
CP7869	Croplan	58.9	52.8	8.2	28.0	15.21
NHH19668	UNL-Experimental	58.5	54.5	7.9	29.3	16.77
AR Turret 25	Armor	58.4	54.4	8.5	26.8	14.26
NE19619	UNL-Experimental	58.2	54.0	8.4	31.1	15.26
Ruth	Nu Horizon Genetics	56.5	54.8	8.5	29.5	16.38
NE Prism CLP	Nu Horizon Genetics	56.0	56.2	9.6	27.3	18.67
LCS Radar	Limagrain Cereal Seeds	56.0	53.7	8.6	27.1	16.53
NE21579	UNL-Experimental	55.4	55.4	8.7	28.0	16.98
NE22172	UNL-Experimental	55.1	53.4	8.0	28.8	19.12
NE22284	UNL-Experimental	54.4	57.0	7.7	30.8	15.84
Scout 66	Check	52.6	54.4	8.3	34.3	15.66
Wesley	NuHorizon Genetics	51.8	52.4	9.1	25.8	16.71
WB4733CLP	WestBred	49.5	54.3	8.7	27.5	16.84
Turkey	Check	49.0	53.8	8.4	33.8	17.14
WB4444	WestBred	47.4	53.3	10.5	27.8	19.60
XH4033	WestBred-Experimental	46.8	51.8	9.3	28.6	18.34
Summary Statistics						
Standard Error		4.0	0.8	06	1.1	1.17
LSD³		6.6	1.4	1.0	1.9	1.96
Mean⁴		62.5	55.1	8.1	28.9	16.76
CV⁵		6.3	1.5	7.6	3.9	7.0
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:	Peters Seed Farms
Planting Date:	9/24/2024
Seeding Rate:	1 million seeds/a
Harvest Date:	7/1/2025
Fertility:	50 lb/a 40 Rock in-furrow with planting; topdressed with 20 gal/a 30-0-0-3
Herbicide/Fungicides:	.56 oz of Amber in September
Soil Type:	Blackwood silt loam
GPS:	40.113788, -100.817478
Planting Info:	Planted 1.5" deep into no-till corn fallow
Notes on Trial:	Extremely dry fall and early spring limited fall establishment and tillering; timely rains ahead of flowering and grainfill critical for final yield. Due to dry fall conditions, nearby plots into tilled ground had better early growth and vigor. Surrounding field was planted to WB4595 and yielded 69.8 bu/a.

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