



UNIVERSITY of NEBRASKA
LINCOLN

Furnas 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)
AP Sunbird	AgriPro	111.8	58.2	8.0	30.2	13.25
KS Bill Snyder	Kansas Wheat Alliance	110.0	57.8	8.3	29.0	13.20
CP7017AX	Croplan	106.9	58.2	8.6	31.0	14.37
NEB148-42	UNL-Experimental	106.9	57.8	8.8	31.5	15.56
WB4347	WestBred	105.9	58.4	8.9	33.5	12.93
WB4422	WestBred	105.7	58.8	9.0	31.5	14.20
AG Golden	AGSECO	105.7	55.5	8.1	30.5	14.60
AR Iron Eagle 22AX	Armor	102.2	58.2	8.5	30.5	14.30
KS Mako	Kansas Wheat Alliance	101.5	57.6	8.9	31.5	15.78
WB4445CLP	WestBred	100.3	57.4	9.2	32.7	13.58
AP Bigfoot	AgriPro	100.3	56.9	9.2	31.3	15.43
WB4595	WestBred	99.1	58.6	8.5	32.5	14.67
Rockstar	Polansky Seed, Inc.	98.2	55.7	9.3	31.8	15.29
NE22342	UNL-Experimental	97.4	56.8	8.7	34.0	14.65
Golden Hawk	Polansky Seed, Inc.	96.5	56.3	9.5	30.2	15.68
CP7869	Croplan	96.1	55.7	9.1	30.0	14.03
NE18435	UNL-Experimental	96.0	57.0	9.0	31.3	15.63
KS Providence	Kansas Wheat Alliance	95.4	55.7	9.0	31.2	14.42
Paradise	Polansky Seed, Inc.	95.3	56.9	8.8	32.2	13.82
WB4523	WestBred	94.6	56.5	9.0	27.0	16.27
WB4401	WestBred	94.5	56.9	8.8	30.3	12.55
LCS Aries	Limagrain Cereal Seeds	94.3	56.1	9.0	31.3	14.03
AR Turret 25	Armor	93.6	55.8	9.3	30.8	13.09
Wesley	NuHorizon Genetics	93.4	54.5	9.8	29.3	14.05
AP Prolific	AgriPro	93.0	56.0	9.4	31.2	14.48
NE18445	UNL-Experimental	92.8	56.8	9.0	32.2	12.88
NHH19668	UNL-Experimental	91.5	57.0	9.5	32.5	14.34
NE18455	UNL-Experimental	90.8	56.3	9.0	33.5	19.75
NE17441	UNL-Experimental	90.3	57.0	9.4	32.7	15.14
LCS Valiant	Limagrain Cereal Seeds	89.6	56.2	9.5	29.5	14.57
Ruth	Nu Horizon Genetics	88.9	56.3	9.0	32.8	15.11
NEB145-12	UNL-Experimental	86.9	55.7	9.3	34.2	14.04
Siege	Nu Horizon Genetics	86.0	58.0	9.9	31.7	13.70
Scout 66	Check	68.0	56.9	10.4	39.0	14.06
Turkey	Check	65.2	55.4	11.1	37.7	16.61

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.

Summary Statistics	Yield (bu/ac)	Test Weight (lb/bu)	Protein (%)	Plant Height (in)	Grain Weight (1000 seeds/lb)
Standard Error	2.4	0.3	0.3	1.0	1.08
LSD ³	4.1	0.4	0.5	1.6	1.83
Mean ⁴	95.6	56.8	9.1	31.8	14.57
CV ⁵	2.6	0.5	3.4	3.1	7.38
Reps	4	4	2	4	2

SITE INFORMATION

Collaborator:	Troy tenBensel
Planting Date:	9/24/2024
Seeding Rate:	1.2 million seeds/a
Harvest Date:	7/2/2025
Fertility:	50 lb/a 40 Rock applied in-furrow at planting; 40 lb/a N, 60 lb/a P, and 4 lb/a Zn applied in fall; 90 lb/a N and 15 lb/a S applied in spring.
Herbicide/Fungicides:	2024 stubble managed as chem-fallow with two sprayings and deep chiseling; 1 application of Rave in fall; 7 oz/a Nexicor Xemium applied at flag leaf.
Soil Type:	Holdrege silt loam
GPS:	40.344198, -99.875016
Planting Info:	Planted 1.5" deep into tilled corn fallow, very dry soils.
Notes on Trial:	Dry at planting, but received some rains after planting. Excellent spring growth and some timely rains during flowering and grainfill. In very uniform and well drained field and surrounding field averaged approximately 95-100 bu/a. Protein lower than average years, but consistent with several reports from surrounding areas given unpredictable rainfall pattern.

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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.