



UNIVERSITY of NEBRASKA  
LINCOLN

## Jefferson 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)
AP Sunbird	AgriPro	<b>105.0</b>	59.7	8.0	31.2	13.46
CP7017AX	Croplan	<b>104.4</b>	59.1	8.4	31.2	13.53
AG Golden	AGSECO	<b>103.4</b>	58.1	8.2	29.8	13.09
WB4347	WestBred	<b>102.8</b>	60.1	8.4	32.5	12.43
KS Providence	Kansas Wheat Alliance	<b>102.2</b>	58.5	8.7	33.4	13.01
KS Mako	Kansas Wheat Alliance	100.3	59.8	9.0	31.3	13.96
AR Iron Eagle 22AX	Armor	99.7	59.1	8.4	30.1	13.11
NEB148-42	UNL-Experimental	99.6	59.2	8.9	29.3	14.14
WB4422	WestBred	99.2	60.6	8.8	31.3	12.35
NE18445	UNL-Experimental	98.7	59.1	8.7	34.3	12.28
AP Prolific	AgriPro	98.7	58.7	8.5	30.7	12.90
AP Bigfoot	AgriPro	98.4	58.9	8.9	30.6	15.25
WB4401	WestBred	98.0	58.7	8.1	31.0	11.70
AR Turret 25	Armor	97.8	58.4	8.6	32.2	12.64
Rockstar	Polansky Seed, Inc.	97.8	58.1	<b>9.7</b>	29.8	13.57
WB4445CLP	WestBred	97.7	59.4	<b>9.2</b>	31.6	12.31
LCS Aries	Limagrain Cereal Seeds	97.2	58.3	8.5	32.0	12.87
NHH19668	UNL-Experimental	96.7	59.5	8.7	32.2	13.03
KS Bill Snyder	Kansas Wheat Alliance	95.3	59.2	8.7	29.7	12.53
CP7869	Croplan	95.2	58.2	8.7	31.6	12.40
NE18435	UNL-Experimental	94.9	59.5	8.7	31.3	13.24
WB4523	WestBred	94.4	58.1	8.7	27.1	15.46
Golden Hawk	Polansky Seed, Inc.	93.8	58.7	<b>9.3</b>	31.5	13.97
NE22342	UNL-Experimental	93.2	59.1	8.5	33.9	13.26
NE18455	UNL-Experimental	93.1	58.1	8.4	32.8	14.16
LCS Valiant	Limagrain Cereal Seeds	93.1	58.3	8.9	31.6	12.71
NE17441	UNL-Experimental	92.6	59.4	9.0	32.8	13.21
Wesley	NuHorizon Genetics	92.4	57.5	<b>9.5</b>	31.0	12.27
WB4595	WestBred	91.7	<b>61.0</b>	8.6	29.8	13.99
Paradise	Polansky Seed, Inc.	91.3	59.2	8.8	33.5	12.75
Ruth	Nu Horizon Genetics	90.1	58.3	8.9	33.3	13.94
NEB145-12	UNL-Experimental	89.9	58.0	8.7	34.5	12.84

<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)
Siege	Nu Horizon Genetics	85.5	59.5	9.7	32.3	12.11
Scout 66	Check	67.9	59.0	9.7	36.5	13.62
Turkey	Check	57.6	58.1	10.9	39.3	13.60
Summary Statistics						
Standard Error		2.8	0.2	0.3	1.1	0.36
LSD <sup>3</sup>		4.6	0.3	0.5	1.8	0.60
Mean <sup>4</sup>		94.6	58.9	8.8	31.9	13.19
CV <sup>5</sup>		2.9	0.4	3.3	3.4	2.7
Reps		4	4	2	4	2

**SITE INFORMATION**

Collaborator:	Knobel Seeds—Mark and Jan Knobel
Planting Date:	10/9/2024
Seeding Rate:	1.35 million seeds/a
Harvest Date:	7/2/2025
Fertility:	100 lb 11-52-0 and 50 lb/a 0-0-50 with KCl applied preplant as a broadcast; 50 lb/a 40 Rock applied in-furrow at planting; 120 lb/a N streamed in March with 10% thiosol.
Herbicide/Fungicides:	7 oz Quilt XL with Harmony Xtra applied at greenup; 14 oz Quilt XL flown on at flag leaf; 13.7 fl oz/a Miravis Ace at flowering by airplane.
Soil Type:	Crete silt loam
GPS:	40.236895, -97.199412
Planting Info:	Planted 1-1.25" deep into very dry no-till conditions after soybean harvest.
Notes on Trial:	Plot was characterized by slow fall emergence and growth with reduced tillering compared to typical years. Despite exceptionally dry soil at planting, field greened up well and had acceptable spring tillering. Surrounding field was planted to AP Prolific, with average yield of 99.7 bu/a.

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<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.