UNIVERSITY of NEBRASKA
LINCOLN

Keith County Rainfed
2025 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac)[1]	Test Weight (lb/bu)	Protein (%)[2]	Plant Height (in)
Whistler	PlainsGold	**90.7**	57.8	8.4	33.2
KS Territory	Kansas Wheat Alliance	**90.1**	58.2	9.0	31.6
CO19D087R	CSU-Experimental	**89.0**	55.5	9.4	28.5
Canvas	PlainsGold	**87.6**	**59.6**	9.7	30.6
AG Golden	AGSECO	**87.5**	56.8	9.0	30.5
KS Bill Snyder	Kansas Wheat Alliance	**87.4**	57.9	9.7	26.9
AP Bigfoot	AgriPro	84.6	56.8	9.9	29.8
WB4422	WestBred	84.2	**58.9**	10.1	31.3
Rockstar	Polansky Seed, Inc.	83.9	57.4	9.8	30.5
AP24 AX	AgriPro	83.2	56.0	8.4	30.7
CP7017AX	Croplan	83.1	57.2	9.4	29.9
FVC Valley	FVC	81.8	56.6	9.1	32.6
WB4510CLP	WestBred	81.7	58.4	9.1	32.0
AP Sunbird	AgriPro	81.7	**59.0**	9.2	30.0
MS Maverick	Meridian Seeds	81.6	57.2	9.5	31.4
KS Providence	Kansas Wheat Alliance	80.8	58.0	9.4	30.3
WB4595	WestBred	79.9	**59.8**	8.9	30.0
NEB148-42	UNL-Experimental	79.4	58.4	9.6	30.5
NHH19668	UNL-Experimental	78.6	58.4	10.3	30.7
LCS Atomic AX	Limagrain Cereal Seeds	78.2	57.5	10.0	29.7
WB4445CLP	WestBred	77.8	57.5	**10.8**	31.0
AR Iron Eagle 22AX	Armor	77.4	**58.8**	9.5	30.7
Robidoux	Nu Horizon Genetics	77.4	56.6	10.0	32.3
Golden Hawk	Polansky Seed, Inc.	77.1	56.8	10.1	28.2
WB4347	WestBred	76.7	58.2	10.0	31.9
Sheridan	PlainsGold	76.5	58.4	10.2	31.3
High Country	Polansky Seed, Inc.	76.3	57.9	9.6	29.7
NE18435	UNL-Experimental	76.1	58.2	10.1	29.8
LCS Aries	Limagrain Cereal Seeds	75.3	56.6	9.5	29.5
Ruth	Nu Horizon Genetics	75.1	56.5	9.9	32.1
NE17441	UNL-Experimental	75.0	56.6	10.6	32.6
NE19619	UNL-Experimental	74.7	55.7	10.0	35.8
NE22172	UNL-Experimental	74.6	57.6	10.0	31.5

[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)
LCS Radar	Limagrain Cereal Seeds	74.5	56.4	10.6	29.5
NE20620	UNL-Experimental	74.2	57.3	10.4	29.6
NE22252	UNL-Experimental	73.9	58.1	10.7	32.3
NE22284	UNL-Experimental	73.5	57.9	10.5	33.5
WB4444	WestBred	72.3	56.4	10.4	31.8
Wesley	NuHorizon Genetics	72.0	55.7	**11.4**	30.3
LCS Mojo	Limagrain Cereal Seeds	70.9	56.7	10.1	29.8
NE21579	UNL-Experimental	70.9	58.1	**10.8**	29.8
NE18455	UNL-Experimental	70.7	56.5	10.1	31.5
Settler CL	Nu Horizon Genetics	70.5	57.4	10.7	31.1
AR Turret 25	Armor	69.1	56.7	10.5	29.0
WB4733CLP	WestBred	67.7	57.0	10.2	28.0
CP7869	Croplan	65.8	56.2	10.2	28.6
NE Prism CLP	Nu Horizon Genetics	64.8	57.7	10.5	29.6
Turkey	Check	63.1	55.1	**11.2**	36.7
Scout 66	Check	57.7	56.3	**10.9**	35.0
Summary Statistics					
	Standard Error	3.2	0.7	0.3	1.5
	LSD[3]	5.3	1.1	0.6	2.5
	Mean[4]	77.1	57.3	9.9	30.9
	CV[5]	4.2	1.2	3.3	4.9
	Reps	4	4	2	4

[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:	UNL West Central Water Resources Laboratory and Toby Spiehs, Brule, NE
Planting Date:	9/19/2024
Seeding Rate:	1 million s/a
Harvest Date:	7/22/2025
Fertility:	50 lb/a 40 Rock applied in-furrow with planting
Herbicide/Fungicides:	1 pt/a Prowl H2O and 24 oz/a glyphosate applied with AMS to clean alleys in April; 2.4 pt/a Prowl H2O with 4 oz/a 2,4-D LV6 applied late April for pre-emergent weed suppression and broadleaf control.
Soil Type:	Kuma loam
GPS:	41.163152, -102.027284
Planting Info:	Planted 1.5” deep into no-till corn fallow.
Notes on Trial:	Extremely dry fall conditions at planting, but emergence was relatively uniform and a couple small showers benefitted fall growth. Dry spring until rains in late May and early June but overall good spring growth and greenup. Test weights were exceptional, but reflected similar conditions in the area. No significant differences were detected for kernel weight by varieties, overall average for kernel weight was 15,700 kernels per pound.