



UNIVERSITY of NEBRASKA
LINCOLN

Lancaster County Rainfed 2025 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)
WB4422	WestBred	65.5	56.9	13.1	28.00
AP Prolific	AgriPro	64.8	56.9	12.6	24.85
NE22342	UNL-Experimental	64.5	56.9	11.7	28.64
NE18435	UNL-Experimental	64.0	56.6	12.2	25.44
CP7462	Croplan	63.2	56.8	11.6	20.16
CP7017AX	Croplan	62.3	56.4	11.3	22.81
WB4523	WestBred	60.1	56.7	10.7	21.48
Ruth	Nu Horizon Genetics	59.5	56.4	13.0	30.69
Wesley	NuHorizon Genetics	56.9	56.9	14.1	26.52
Siege	Nu Horizon Genetics	56.8	57.3	12.6	26.02
WB4445CLP	WestBred	56.3	57.7	12.6	26.29
WB4401	WestBred	56.2	56.6	11.7	21.57
NEB145-12	UNL-Experimental	56.1	56.7	12.3	25.10
Scout 66	Check	51.8	56.8	12.9	36.90
WB4699	WestBred	50.7	56.3	11.6	22.64
Turkey	Check	47.5	56.7	13.6	37.91
Summary Statistics					
Standard Error		2.3	0.4	0.5	2.04
LSD ³		4.0	0.7	0.9	3.44
Mean ⁴		58.5	56.8	12.3	26.56
CV ⁵		4.0	0.7	4.1	7.7
Reps		4	4	2	4

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 may be excluded from protein LSD groups due to known high protein contents.

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:	Jenny Stebbing, TJ McAndrew, UNL Havelock Agronomy Farm, Lincoln, NE
Planting Date:	10/9/2024
Seeding Rate:	1.35 million s/a
Harvest Date:	7/15/2025
Fertility:	80 lb/a N applied pre-plant; additional 80 lb/a N in April
Herbicide/Fungicides:	0.3 oz/a Finesse and 32 oz/a glyphosate applied pre-plant; Prowl H2O and 2,4-D applied at labeled rates 4/1/2025
Soil Type:	Crete and Aksarben silty clay loams
GPS:	40.853397, -96.610026
Planting Info:	Planted 1.5" into very dry soil, tilled oat residue
Notes on Trial:	Plot area emerged poorly in the fall and led to uneven stand throughout the growing season. Late season rains helped wheat a bit, but also delayed harvest and reduced test weights. Data should be used with caution, as the precipitation was exceptionally low for the area. However, it may be useful in identifying wheats that have some drought tolerance when compared against more optimal years and multi-year summaries. No significant differences were detected for kernel weight and overall trial average was 17,910 seeds/lb.

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