UNIVERSITY of NEBRASKA
LINCOLN

Saunders County Rainfed
2025 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac)[1]	Test Weight (lb/bu)	Protein (%)[2]	Plant Height (in)
NE22342	UNL-Experimental	**69.4**	**60.0**	10.8	32.2
WB4445CLP	WestBred	65.5	58.2	11.5	27.6
NE18435	UNL-Experimental	65.1	59.1	11.0	29.0
NEB145-12	UNL-Experimental	63.0	58.2	**11.9**	32.0
WB4523	WestBred	62.4	57.9	10.0	24.8
WB4422	WestBred	60.6	**59.3**	**11.8**	29.7
AP Prolific	AgriPro	60.4	58.2	11.6	26.7
WB4401	WestBred	59.0	58.3	10.5	26.0
WB4699	WestBred	58.5	57.3	10.3	26.0
Wesley	NuHorizon Genetics	57.7	58.1	**11.8**	29.9
CP7017AX	Croplan	56.5	57.8	10.7	26.8
Ruth	Nu Horizon Genetics	56.0	58.3	11.2	34.6
CP7462	Croplan	54.3	57.2	11.4	22.2
Siege	Nu Horizon Genetics	53.9	58.9	11.6	27.1
Scout 66	Check	52.1	58.8	12.3	43.6
Turkey	Check	50.8	58.7	13.0	44.5
Summary Statistics					
	Standard Error	1.8	0.5	0.1	1.0
	LSD[3]	3.0	0.8	0.2	1.7
	Mean[4]	59.1	58.4	11.3	30.2
	CV[5]	3.0	0.8	0.8	3.4
	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 Agronomy Farm at ENREC, Ithaca, NE
Planting Date:	10/9/2024
Seeding Rate:	1.35 million s/a
Harvest Date:	7/14/2025
Fertility:	90 lb/a dry urea applied pre-plant; 50 lb/a 40 Rock applied in-furrow at planting
Herbicide/Fungicides:	Roundup, Liberty, 2,4-D applied after oats baled, ahead of disking.
Soil Type:	Yutan silty clay loam, Tomek and Filbert silt loams
GPS:	41.165195, -96.415866
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 and atypical. 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 15,050 seeds/lb.