



UNIVERSITY of NEBRASKA
LINCOLN

Eastern Central Region 2-Year Averages 2021-2022 Winter Wheat Variety Trials

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Seed Weight (1000 seeds/lb)
WB4401	WestBred	90.1	57.0	12.1	36.1	13.9
Ruth	Husker Genetics	86.6	58.1	12.5	39.2	16.7
WB4699	WestBred	86.2	56.0	12.1	33.2	20.9
Siege	NuPride Genetics	85.3	58.8	13.5	37.6	14.5
NHH17612	UNL-Experimental	84.6	58.6	13.2	38.3	17.8
WB4269	WestBred	83.6	57.4	12.4	33.7	17.6
LCS Valiant	Limagrain Cereal Seeds	83.0	58.2	13.6	35.7	15.0
Epoch	NuHorizon	82.4	56.0	12.6	37.6	17.6
NHH17450	UNL-Experimental	78.8	57.3	13.2	39.8	16.9
NE16562	UNL-Experimental	76.0	55.4	12.8	37.8	17.8
NE17441	UNL-Experimental	75.0	57.0	12.8	36.7	16.9
Freeman	Husker Genetics	75.0	54.6	12.9	37.9	17.6
Wesley	Husker Genetics	74.0	55.2	13.4	36.5	16.6
Scout 66	Check	59.6	57.5	14.2	45.8	14.8
Turkey	Check	57.3	56.3	14.5	46.3	16.6
	Standard Error	4.7	0.8	0.3	0.9	0.7
	LSD³	7.8	1.3	0.4	1.5	1.1
	Mean⁴	78.3	56.9	13.0	38.2	16.7
	CV⁵	5.9	1.3	1.9	2.4	4.0

SITES INCLUDED:

2022 Saunders, Lancaster

2021 Saunders, Saunders with Intensive Management, Lancaster

NOTES: The Saunders Intensive Management trial in 2022 had similar results to the Saunders standard management so is not included. Key to note that the highest LSD grouping for yield is quite large, indicating that many of the wheats in the trial are performing similarly.

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¹ Yield values corrected to 12% moisture. Bolded values indicate highest LSD grouping.

² Protein corrected to 14% moisture, the correction factor used in analytical standards.

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 entries 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.