



2 Year Averages—Eastern Region 2022 and 2023 Winter Wheat Variety Trials

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Seed Weight (1000 seeds/lb)
Ruth	Husker Genetics	61.5	58.8	14.4	30.7	14.8
NE16562	UNL-Experimental	58.1	56.9	14.1	29.8	15.5
WB4401	WestBred	54.8	58.1	13.3	26.8	13.2
Freeman	Husker Genetics	54.5	55.5	14.5	29.9	15.0
NE18455	UNL-Experimental	54.3	57.4	14.1	29.6	15.7
WB4699	WestBred	53.9	56.0	13.2	27.0	18.9
WB4523	WestBred	52.9	55.4	12.9	25.0	16.9
Wesley	Husker Genetics	52.6	56.4	15.1	28.8	13.7
NE17441	UNL-Experimental	51.5	59.7	15.0	30.2	14.5
LCS Valiant	Limagrain	50.1	58.1	14.9	28.1	14.1
Siege	NuPride Genetics	49.9	57.8	14.6	29.0	14.1
LCS Atomic AX	Limagrain	49.5	59.0	14.0	26.8	13.0
Turkey	Check	41.6	56.6	16.3	35.6	15.2
Scout 66	Check	41.4	57.0	15.6	35.6	13.8
	Standard Error	NA	0.7	0.3	0.9	0.6
	LSD³	NA	1.3	0.5	1.4	0.9
	Mean⁴	51.9	57.3	14.4	29.5	14.9
	CV⁵	NA	1.3	2.1	2.9	3.7

NOTE:

Across the 2022 and 2023 growing season, overall yield differences were not statistically significant, so no LSD is provided. Instead, we encourage growers to look at all sources of data to make decisions on variety selection for yield, including the individual site reports and the statewide data. The 2023 conditions were irregular for the region and significantly impacted performance.

SITES INCLUDED:

Saunders (2022, 2023), Saunders with Intensive Management (2023), and Lancaster (2022). 2023 drought caused loss of site in Lancaster County.

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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.