



2 Year Averages—Irrigated Locations 2021 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)
CP7017AX	CROPLAN	98.4	58.8	12.1	29.8	15.2
WB4595	WestBred	96.5	59.7	11.7	32.5	15.3
Wesley	Husker Genetics	95.6	57.9	13.3	31.4	13.8
NE17441	UNL-Experimental	94.3	58.4	13.0	34.2	14.3
NHH17612	UNL-Experimental	93.7	59.1	12.9	33.4	15.7
Canvas	PlainsGold	93.3	58.8	12.3	31.6	16.0
WB4303	WestBred	92.9	55.7	12.3	28.6	13.6
SY Wolverine	AgriPro	91.7	56.6	12.7	29.3	14.5
WB4418	WestBred	90.9	56.1	12.5	30.1	17.0
Epoch	NuHorizon Genetics	89.3	57.6	12.6	30.7	15.4
LCS Valiant	Limagrain	89.0	56.8	12.8	30.5	15.4
WB4523	WestBred	88.8	53.7	11.8	28.0	17.0
NHH17450	UNL-Experimental	87.5	58.0	13.1	35.3	14.9
CP7050AX	CROPLAN	84.7	58.0	13.9	31.9	15.6
Scout 66	Check	79.5	58.7	14.0	44.1	13.5
Turkey	Check	77.9	58.4	14.7	43.9	15.1
	Standard Error	4.3	0.7	0.2	0.9	0.4
	LSD³	7.2	1.2	0.3	1.5	0.7
	Mean⁴	90.3	57.6	12.9	32.8	15.2
	CV⁵	4.8	1.3	1.6	2.7	2.9

SITES INCLUDED:

Box Butte (2021, 2023), Chase (2021), and Perkins (2023). Irrigated trials lost in 2022.

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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.