



Lancaster County Rainfed 2022 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu) ²	Protein (%) ³	Plant Height (in)	Seed Weight (1000 seeds/lb)
WB4401	WestBred	86.9	56.8	12.5	36.7	15.4
WB4523	WestBred	85.3	53.8	12.2	35.3	20.5
Ruth	Husker Genetics	82.7	57.6	13.0	37.5	16.7
NE16562	UNL-Experimental	79.4	54.9	13.5	39.1	19.4
WB4699	WestBred	78.4	54.2	12.3	35.7	22.7
NE18455	UNL-Experimental	75.9	55.9	13.1	37.4	18.2
Epoch	NuHorizon	75.5	54.6	13.2	38.6	18.4
WB4269	WestBred	74.2	56.9	12.5	34.6	19.1
Freeman	Husker Genetics	72.9	54.2	13.8	37.4	17.3
NHH19651	UNL-Experimental	72.8	54.4	13.8	41.3	18.3
NI17410	UNL-Experimental	71.5	58.7	13.4	37.0	15.3
LCS Atomic AX	Limagrain Cereal Seeds	69.8	58.4	13.2	34.8	15.0
Siege	NuPride Genetics	69.6	55.5	14.1	37.3	16.6
NE17441	UNL-Experimental	67.4	58.0	13.8	37.5	16.6
NHH17450	UNL-Experimental	67.4	54.8	14.2	38.6	18.8
LCS Valiant	Limagrain Cereal Seeds	66.1	55.5	15.1	35.7	15.6
Wesley	Husker Genetics	64.6	54.9	14.2	37.3	16.1
NHH17612	UNL-Experimental	63.0	56.5	14.4	39.4	19.5
Turkey	Check	40.5	54.6	16.0	42.2	17.0
Scout 66	Check	38.2	55.8	14.9	43.2	15.3
	Standard Error	5.7	1.3	0.4	0.9	0.8
	LSD⁴	9.6	2.3	0.7	1.5	1.3
	Mean⁵	70.1	55.8	13.7	37.8	17.6
	CV⁶	8.1	2.4	2.9	2.3	4.3
	Reps	4	2	2	4	2

SITE INFORMATION

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

² Test weights were evaluated with a freestanding Dickey John GAC due to issue with onboard sensor on combine.

³ Protein corrected to 14% moisture, the correction factor used in analytical standards.

⁴ For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

⁵ Mean performance of all entries in the trial.

⁶ 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.

Collaborator: Jenny Stebbing and TJ McAndrew, UNL Havelock Agronomy Farm, Lincoln, NE
Planting Date: September 24, 2021
Seeding Rate: 1.35 million seeds/acre
Harvest Date: July 5, 2022
Fertility: 80 lbs/a N using liquid 32% preplant; 80 lbs/a N in mid-April
Herbicide/Fungicides: 0.3 oz/a Finesse + NIS preplant; 2 pts Prowl H2O and 1 pt 2,4-D in mid-April
Soil Type: Kennebec silt loam
GPS: 40.857312, -96.595411
Planting Info: Drilled at 2" deep into disked oat stubble with double disk no-till drill on 9" centers
Notes on Trial: Some lodging in Scout 66 and Turkey due to very tall stature, overall good yields but moderate test weights.

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