



Saunders County Rainfed 2023 Winter Wheat Variety Trial

Note: Eastern Nebraska faced severe drought and harsh winter conditions that significantly impacted yield and performance. This data is presented for information purposes only and it is recommended to use data from previous years to make variety selections!

Name	Company	Yield (bu/ac) ¹	Protein (%) ²	Plant Height (in)	Seed Weight (1000 seeds/lb)
LCS Steel AX	Limagrain	32.0	14.5	21.6	14.9
WB4422	WestBred	30.7	15.7	22.8	12.2
Turkey	Check	29.3	16.7	27.9	13.6
NE16562	UNL-Experimental	27.3	14.4	22.9	13.4
NE17443	UNL-Experimental	27.2	16.1	21.0	12.9
Freeman	Husker Genetics	26.4	15.6	22.5	13.1
Wesley	Husker Genetics	26.1	16.0	21.4	11.7
WB4632	WestBred	25.8	14.1	22.0	12.5
Scout 66	Check	25.2	16.1	26.3	12.8
Ruth	Husker Genetics	25.0	15.5	22.5	13.2
LCS Julep	Limagrain	24.6	16.2	20.3	12.6
NE18455	UNL-Experimental	23.9	15.1	20.8	13.7
NE17441	UNL-Experimental	22.0	16.2	22.3	13.4
WB4523	WestBred	21.3	13.5	16.7	13.8
AP Prolific	AgriPro	21.3	15.7	19.5	13.8
WB4699	WestBred	20.5	14.0	20.1	16.0
WB4401	WestBred	20.0	14.0	18.5	11.4
LCS Valiant	Limagrain	19.3	14.6	21.1	13.2
LCS Atomic AX	Limagrain	15.7	14.6	19.7	11.9
Siege	NuPride Genetics	12.5	15.2	20.2	12.7
	Standard Error	2.9	0.2	0.9	0.3
	LSD³	4.9	0.4	1.5	0.6
	Mean⁴	23.8	15.2	21.5	13.1
	CV⁵	12.2	1.6	4.0	2.4
	Reps	4	2	4	2

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.

SITE INFORMATION

Collaborator: UNL ENREC Agronomy Farm, Mead, NE
Planting Date: October 4, 2022
Seeding Rate: 1.35 million seeds/acre
Harvest Date: July 10, 2023
Soil Type: Yutan silty clay loam
GPS: 41.164621, -96.418964
Planting Info: Drilled into disked oats on 9” centers. Very dry planting conditions at seeding depth of 2”.
Notes on Trial: Poor stand and performance due to severe drought conditions, especially in the fall. Test weights not reported due to poor performance and unreliable results.

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