



UNIVERSITY of NEBRASKA
LINCOLN

Jefferson County Rainfed 2022 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Seed Weight (1000 seeds/lb)
CP7017AX	CROPLAN	107.7	58.7	13.0	31.0	15.5
LCS Atomic AX	Limagrain Cereal Seeds	106.2	59.9	12.7	31.0	12.1
LCS Valiant	Limagrain Cereal Seeds	103.8	59.8	13.5	31.3	13.5
WB4401	WestBred	100.6	58.8	12.7	31.8	13.4
Paradise	Polansky Seed, Inc.	100.2	59.7	13.5	31.3	13.5
MS Iceman	Meridian Seeds	98.9	60.9	14.2	32.0	15.3
NE16562	UNL-Experimental	98.7	59.2	13.0	32.3	15.2
WB4699	WestBred	98.5	58.5	12.2	28.0	17.7
SY Wolverine	AgriPro	98.0	58.2	13.1	28.5	14.0
NE17441	UNL-Experimental	97.7	60.1	13.5	34.3	14.0
NHH19668	UNL-Experimental	97.6	59.5	13.1	31.5	14.1
Siege	NuPride Genetics	97.5	60.4	13.8	33.3	13.3
AP Roadrunner	AgriPro	97.4	58.9	13.5	30.8	15.3
NHH17450	UNL-Experimental	96.5	59.3	13.5	35.0	14.9
Rock Star	Polansky Seed, Inc.	96.2	58.0	14.5	31.5	14.9
NE18455	UNL-Experimental	96.2	58.9	12.6	32.8	15.7
PSB13NEDH-14-83	UNL-Experimental	95.9	59.4	13.6	34.5	13.1
NHH19651	UNL-Experimental	95.8	59.5	13.5	36.5	15.1
CP7050AX	CROPLAN	95.7	60.9	14.6	32.5	14.5
MS Maverick	Meridian Seeds	95.4	58.6	13.9	33.5	14.8
LCS Steel AX	Limagrain Cereal Seeds	94.7	57.8	13.2	33.5	17.6
AP Bigfoot	AgriPro	94.6	59.5	13.1	30.0	15.6
NHH17612	UNL-Experimental	94.1	59.3	13.9	34.3	16.2
CP7869	CROPLAN	94.0	58.5	12.6	30.3	13.8
NE17443	UNL-Experimental	93.6	58.1	13.4	30.3	15.0
WB4269	WestBred	93.6	59.3	12.7	28.8	16.0
Epoch	NuHorizon	92.8	59.0	13.5	30.5	15.1
Wesley	Husker Genetics	92.7	58.0	14.3	31.5	13.9
WB4523	WestBred	91.7	56.6	12.8	27.8	19.5
Ruth	Husker Genetics	88.2	58.2	13.8	33.3	15.7
LCS Chrome	Limagrain Cereal Seeds	87.2	58.7	14.5	33.8	16.1

¹ Yield values corrected to 12% moisture. Bolded values indicate highest LSD grouping. **Reminder!** Plot yields are often higher than surrounding field because area between plots provides more soil moisture, but the relative performance and differences are accurate.

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

Freeman	Husker Genetics	87.2	56.6	13.4	32.8	15.2
CPX72166AX	CROPLAN	83.5	59.4	13.2	33.0	15.6
Scout 66	Check	80.2	59.8	13.7	39.3	14.0
Turkey	Check	73.4	59.2	14.9	37.8	15.9
	Standard Error	2.4	0.4	0.3	0.7	0.4
	LSD³	4.1	0.6	0.5	1.1	0.7
	Mean⁴	94.7	59.0	13.5	32.3	15.0
	CV⁵	2.6	0.6	2.1	2.1	2.9
	Reps	4	4	2	4	2

SITE INFORMATION

Collaborator: Mark Knobel, Fairbury, NE
 Planting Date: October 21, 2021
 Seeding Rate: 1.35 million seeds/acre
 Harvest Date: July 11, 2022
 Fertility: 100 lb/a Potash & 100 lb/a 11-52-0 in Fall; 130 lb/a N as UAN & 13 lb/a S as spring topdress
 Herbicide/Fungicides: Harmony Extra in Spring; 4 oz/a generic Quilt in spring; generic Quilt at flag leaf; 13.7 oz/a Miravis Ace & 1 gal/a N-Cline at flowering
 Soil Type: Crete silt loam
 GPS: 40.237072, -97.199371
 Planting Info: Drilled at 2" deep into no-till soybean stubble with double disk no-till drill on 9" centers
 Notes on Trial: Excellent stand after soybean harvest despite drought and late planting, yield potential quite high with little disease pressure. Yields sometimes reflect that small plots had slightly better yields because of border effects, but relative performance and differences are accurate.

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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.