



UNIVERSITY of NEBRASKA
LINCOLN

Jefferson County Rainfed 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)
WB4303	WestBred	121.4	58.6	12.7	32.5
CP7017AX	CROPLAN by WinfieldUnited	120.2	60.5	11.6	32.5
AP Roadrunner	AgriPro-Syngenta	117.6	60.7	12.0	34.5
WB4401	WestBred	116.9	61.1	11.6	35.5
AP Bigfoot	AgriPro-Syngenta	115.0	61.2	12.3	33.5
CP7909	CROPLAN by WinfieldUnited	114.6	61.3	11.7	35.0
LCS Helix AX	Limagrain Cereal Seeds	113.7	61.7	12.2	33.8
NHH17450	UNL-Experimental	113.7	60.2	12.3	36.5
WB4699	WestBred	113.7	59.8	11.3	30.5
MS Maverick	Meridian Seeds	113.3	60.7	13.1	37.0
WB-Grainfield	WestBred	112.7	60.7	12.1	36.5
WB4269	WestBred	112.4	60.1	12.0	32.5
NW15443	UNL-Experimental	111.8	60.0	12.2	38.0
NE12561 (Siege)	NuPride Genetics	111.0	62.4	12.5	34.5
LCS Valiant	Limagrain Cereal Seeds	110.9	61.4	12.0	34.0
Freeman	Husker Genetics	110.9	58.1	12.5	37.0
LCS Link	Limagrain Cereal Seeds	110.2	60.9	12.5	35.0
CP7010	CROPLAN by WinfieldUnited	110.0	63.2	12.0	31.5
Ruth	Husker Genetics	109.9	60.5	12.5	37.5
NHH17612	UNL-Experimental	109.8	61.1	12.4	35.8
Wesley	Husker Genetics	109.0	60.4	13.5	34.5
NE16562	UNL-Experimental	108.6	59.1	12.4	35.5
Overland	Husker Genetics	107.6	61.1	12.7	39.0
SY Wolverine	AgriPro-Syngenta	102.4	60.9	12.0	31.5
CP7050AX	CROPLAN by WinfieldUnited	101.5	61.6	13.3	33.5
PSB13NEDH-14-83W	UNL-Experimental	98.4	59.4	12.7	38.8
LCS Photon AX	Limagrain Cereal Seeds	97.8	61.5	13.4	35.0
Scout 66	Check	90.0	61.4	14.0	45.5
Turkey	Check	81.7	60.9	14.2	45.5

¹ Yield values corrected to 12% moisture and 60 lb/bu test weight.

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

	Standard Error	3.0	0.4	0.3	0.7
	LSD³	5.0	0.7	0.6	1.2
	Mean⁴	109.2	60.7	12.5	35.6
	CV⁵	2.8	0.7	2.7	2.0
	Reps	4	4	2	4

SITE INFORMATION

Collaborator: Mark Knobel
 Planting Date: October 7, 2020
 Seeding Rate: 1.35 million seeds/acre
 Harvest Date: July 9, 2021
 Fertility: 100 lb/a potash applied in the fall and 130 lb/a N applied as spring topdress
 Herbicide/Fungicides: Harmony Extra & generic Quilt applied in spring and 13.7 oz/a Miravis Ace & 1 pt/a Lorsban applied at late heading
 Soil Type: Crete silt loam
 GPS: 40.204179, -97.121344
 Notes: Planted at 1.5-2" depth with good moisture into no-till conditions after soybean harvest in 2020. No significant difference between varieties for seed weight at this location.

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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.