



UNIVERSITY of NEBRASKA
LINCOLN

Clay County Rainfed 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Seed Weight (seeds/lb)
WB4401	WestBred	87.7	59.8	12.1	33.3	14342
NE12561 (Siege)	NuPride Genetics	80.8	60.4	14.3	33.5	14644
LCS Helix AX	Limagrain Cereal Seeds	76.9	59.9	12.3	31.8	16160
AP Roadrunner	AgriPro-Syngenta	76.8	56.5	13.8	34.0	18212
NHH17450	UNL-Experimental	76.8	58.4	12.9	35.5	17123
MS Maverick	Meridian Seeds	75.8	57.2	13.7	33.8	17031
NHH17612	UNL-Experimental	75.3	60.0	13.1	34.5	18218
CP7010	CROPLAN by WinfieldUnited	73.6	61.2	12.8	32.3	16856
LCS Link	Limagrain Cereal Seeds	72.4	58.0	13.3	34.8	16314
CP7050AX	CROPLAN by WinfieldUnited	71.1	60.3	14.2	31.5	16638
LCS Valiant	Limagrain Cereal Seeds	70.7	58.9	13.4	31.3	16097
WB4269	WestBred	70.3	58.6	12.7	30.3	17912
NW15443	UNL-Experimental	69.2	56.6	13.4	38.0	15275
LCS Photon AX	Limagrain Cereal Seeds	68.7	59.7	14.3	31.8	16954
CP7017AX	CROPLAN by WinfieldUnited	65.5	57.7	12.1	32.5	18091
Scout 66	Check	65.5	59.5	14.1	42.8	15038
Ruth	Husker Genetics	63.6	56.6	12.1	35.8	18623
Wesley	Husker Genetics	63.5	54.7	13.3	34.0	17064
WB4699	WestBred	62.8	54.2	12.0	28.5	22887
WB-Grainfield	WestBred	61.8	57.2	12.0	33.5	18259
AP Bigfoot (10BC329-17-5)	AgriPro-Syngenta	61.8	56.5	12.4	32.3	19771
NE16562	UNL-Experimental	61.3	54.0	11.8	35.3	17514
CP7909	CROPLAN by WinfieldUnited	60.4	57.1	12.2	32.5	19075
PSB13NEDH-14-83W	UNL-Experimental	58.8	55.8	12.1	36.3	18203
Overland	Husker Genetics	58.7	57.0	12.4	37.0	17948
Turkey	Check	55.0	57.3	13.9	45.5	16535
Freeman	Husker Genetics	54.3	53.2	12.3	35.5	19328
SY Wolverine	AgriPro-Syngenta	52.5	52.2	12.3	30.0	19925

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.

WB4303	WestBred	52.4	53.1	13.4	31.0	18452
	Standard Error	3.2	0.5	0.2	0.7	555
	LSD³	5.4	0.9	0.3	1.1	943
	Mean⁴	67.0	57.3	12.9	34.1	17534
	CV⁵	4.8	0.9	1.4	2.0	3.2
	Reps	4	4	2	4	2

SITE INFORMATION

Collaborator: South Central Res & Ext Center; Harvard, NE
 Planting Date: September 24, 2020
 Seeding Rate: 1.2 million seeds/acre
 Harvest Date: July 6, 2021
 Fertility: 120 N lb/a
 Herbicide/Fungicides: Prowl H2O
 Soil Type: Crete silt loam
 GPS: 40.574647, -98.129658
 Notes: Seeded into disked soybean residue

Do not reprint without permission. Contacts: [Amanda Easterly](#) or [Cody Creech](#)

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.