



UNIVERSITY of NEBRASKA
LINCOLN

Lincoln 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)
WB4595	WestBred	85.2	62.1	11.0	35.1	15510
Whistler	PlainsGold	83.0	58.9	10.8	35.4	19361
Settler CL	NuPride Genetics	82.4	60.9	11.5	33.3	13887
Guardian	PlainsGold	80.2	60.5	11.9	34.6	19604
WB4792	WestBred	79.4	61.0	11.6	33.0	17187
AP Bigfoot (10BC329-17-5)	AgriPro-Syngenta	79.0	60.0	12.7	31.0	16328
AP Roadrunner	AgriPro-Syngenta	78.3	59.6	12.4	34.3	17481
LCS Link	Limagrain Cereal Seeds	78.2	61.0	11.1	37.4	18020
AP 18AX	AgriPro-Syngenta	77.6	59.4	11.6	37.5	15314
Canvas	PlainsGold	77.4	61.3	11.0	33.7	16895
KS Hamilton	Kansas Wheat Alliance	77.4	61.3	11.9	33.2	16826
NHH17612	UNL-Experimental	77.1	61.0	12.8	30.9	18873
WB-Grainfield	WestBred	75.6	60.2	11.9	35.0	18867
NW15443	UNL-Experimental	75.6	59.2	11.2	33.6	15146
MS Iceman	Meridian Seeds	75.5	60.6	11.7	34.4	16837
Panhandle	Husker Genetics	73.9	58.7	12.2	34.5	18389
Wesley	Husker Genetics	73.9	60.1	12.5	32.8	15399
LCS Atomic AX	Limagrain Cereal Seeds	73.7	60.8	11.8	31.5	13776
CP7010	CROPLAN by WinfieldUnited	73.1	62.3	11.0	35.7	15653
NW13493	UNL-Experimental	72.5	61.6	11.8	33.4	15114
MS Maverick	Meridian Seeds	72.3	61.6	12.0	33.9	15780
LCS Helix AX	Limagrain Cereal Seeds	72.1	60.7	12.7	33.8	16160
NHH17450	UNL-Experimental	71.8	60.5	12.7	33.0	17395
WB4462	WestBred	71.5	60.5	12.2	35.5	14508
PSB13NEDH-14-83W	UNL-Experimental	71.2	58.9	11.9	33.1	15642
KS Dallas	Kansas Wheat Alliance	71.0	61.2	11.6	32.8	13902
NE14696	UNL-Experimental	70.6	58.7	10.8	33.0	19237
CP7909	CROPLAN by WinfieldUnited	69.9	60.5	11.9	34.2	17091
LCS Valiant	Limagrain Cereal Seeds	69.7	59.8	12.9	36.2	16657
Epoch (NE15420)	UNL-Experimental	69.5	60.1	11.3	34.4	15579

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.

WB4418	WestBred	68.2	58.8	12.3	33.0	16844
NE16563V	UNL-Experimental	68.0	58.4	11.8	33.5	17543
Overland	Husker Genetics	68.0	59.9	12.2	34.5	17429
Robidoux	Husker Genetics	67.7	60.5	12.2	34.4	17538
CP7017AX	CROPLAN by WinfieldUnited	67.1	60.1	11.4	32.4	16390
NE17441	UNL-Experimental	66.9	59.3	11.6	31.8	17258
NE17544	UNL-Experimental	66.6	60.5	12.7	33.6	18088
SY Legend CL2	AgriPro-Syngenta	66.4	61.4	12.9	37.1	13614
WB4309	WestBred	66.2	60.0	12.8	36.3	17763
LCS Photon AX	Limagrain Cereal Seeds	65.5	61.2	13.1	37.5	18251
Ruth	Husker Genetics	65.4	60.3	12.0	34.6	16839
NE17443	UNL-Experimental	65.3	60.3	13.2	33.9	16052
NE15624	UNL-Experimental	64.2	59.8	12.4	31.3	16305
CP7050AX	CROPLAN by WinfieldUnited	64.1	61.7	13.3	33.0	16367
Freeman	Husker Genetics	63.7	58.2	12.3	34.7	16214
NE16562	UNL-Experimental	62.0	59.0	11.7	33.4	15957
SY Wolverine	AgriPro-Syngenta	58.9	60.1	13.0	34.4	16012
Scout 66	Check	58.2	59.8	12.3	38.4	18628
Turkey	Check	57.8	59.2	12.9	36.7	14623
	Standard Error	4.0	0.6	0.5	2.6	1958
	LSD³	6.6	1.0	0.8	4.2	3283
	Mean⁴	71.2	60.2	12.1	34.2	16615
	CV⁵	5.6	1.0	4.1	7.5	11.8
	Reps	4	4	2	4	2

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: West Central Research and Extension Center; North Platte, NE
Planting Date: September 22 2020
Seeding Rate: 1.0 million seeds/acre
Harvest Date: July 13, 2021
Fertility: 60 lb/a of 32-0-0 applied August 31, 2020; 40 lb/a 40 rock in-furrow at planting
Herbicide/Fungicides: 2 pt/a Prowl H2O in late April
Soil Type: Hall and Holdrege silt loam
GPS: 41.0475, -100.753
Notes: Planted no-till into fallowed corn residue. Decent moisture at planting and overall excellent stand and performance.

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