



UNIVERSITY of NEBRASKA  
LINCOLN

## Perkins County Rainfed 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Protein (%) <sup>2</sup>	Plant Height (in)	Seed Weight (seeds/lb)
LCS Valiant	Limagrain Cereal Seeds	112.8	59.2	12.6	38.0	16169
NW13493	UNL-Experimental	112.3	61.1	12.2	38.0	15638
LCS Atomic AX	Limagrain Cereal Seeds	112.2	59.3	11.6	36.9	15693
AP Bigfoot (10BC329-17-5)	AgriPro-Syngenta	110.7	59.2	12.3	36.5	18979
CP7909	CROPLAN by WinfieldUnited	108.0	57.8	11.9	36.4	17760
LCS Link	Limagrain Cereal Seeds	106.4	61.3	11.7	38.6	14951
NE17443	UNL-Experimental	106.1	59.4	12.1	40.3	16974
WB4418	WestBred	105.6	57.4	12.8	35.6	19068
NE14696	UNL-Experimental	105.4	58.7	11.8	42.7	16188
Ruth	Husker Genetics	105.3	60.0	11.4	39.7	15866
NHH17612	UNL-Experimental	105.2	61.0	12.3	37.7	18516
SY Wolverine	AgriPro-Syngenta	105.1	60.3	11.9	34.7	16785
MS Iceman	Meridian Seeds	104.8	59.6	12.4	37.3	18767
NE15624	UNL-Experimental	104.7	59.3	12.1	35.5	17154
NE17441	UNL-Experimental	104.1	57.1	11.7	36.5	15797
LCS Helix AX	Limagrain Cereal Seeds	104.0	59.5	11.7	40.6	16394
AP 18AX	AgriPro-Syngenta	103.9	58.9	11.6	38.9	16246
KS Dallas	Kansas Wheat Alliance	103.8	59.6	11.6	38.7	13975
WB4792	WestBred	103.4	60.3	11.5	38.5	18700
CP7010	CROPLAN by WinfieldUnited	102.9	62.7	11.2	36.3	16308
NW15443	UNL-Experimental	102.5	58.8	11.9	42.2	14916
WB-Grainfield	WestBred	102.2	57.1	12.7	37.2	18563
WB4309	WestBred	102.0	57.7	13.0	35.7	18990
Epoch (NE15420)	UNL-Experimental	101.6	59.4	11.9	37.9	16924
PSB13NEDH-14-83W	UNL-Experimental	101.5	59.1	11.9	39.1	15913
WB4462	WestBred	101.5	59.1	12.4	41.8	13740
CP7017AX	CROPLAN by WinfieldUnited	101.4	58.8	11.6	36.4	17299
KS Hamilton	Kansas Wheat Alliance	101.3	59.4	12.2	35.0	16161
LCS Photon AX	Limagrain Cereal Seeds	101.0	60.5	12.8	38.8	17409
NE16563V	UNL-Experimental	100.9	58.4	12.5	39.5	16615

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

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

<b>AP Roadrunner</b>	AgriPro-Syngenta	100.3	60.0	11.7	36.4	16576
<b>MS Maverick</b>	Meridian Seeds	100.3	59.7	12.0	36.1	16732
<b>Overland</b>	Husker Genetics	100.1	58.9	12.2	42.3	17283
<b>WB4595</b>	WestBred	99.0	61.9	11.3	36.9	16844
<b>Canvas</b>	PlainsGold	98.4	58.8	11.3	37.5	19286
<b>Robidoux</b>	Husker Genetics	98.1	57.3	13.1	38.8	19185
<b>CP7050AX</b>	CROPLAN by WinfieldUnited	97.6	61.2	13.3	38.2	17940
<b>Freeman</b>	Husker Genetics	96.6	55.9	12.8	37.8	19049
<b>Whistler</b>	PlainsGold	96.4	55.6	11.5	39.2	18671
<b>NE16562</b>	UNL-Experimental	96.3	56.3	11.7	39.6	17148
<b>Settler CL</b>	NuPride Genetics	95.8	59.3	12.1	39.1	16281
<b>NE17544</b>	UNL-Experimental	95.5	58.5	12.6	42.0	16558
<b>Wesley</b>	Husker Genetics	95.0	56.0	12.3	34.7	15379
<b>SY Legend CL2</b>	AgriPro-Syngenta	94.0	58.0	13.1	34.2	17341
<b>NHH17450</b>	UNL-Experimental	92.4	58.2	12.8	40.7	18729
<b>Panhandle</b>	Husker Genetics	89.8	57.1	13.3	45.3	17533
<b>Guardian</b>	PlainsGold	86.9	59.1	12.7	36.8	19931
<b>Turkey</b>	Check	73.1	57.7	14.5	47.3	17639
<b>Scout 66</b>	Check	70.3	59.2	13.7	44.4	15440
	<b>Standard Error</b>	4.5	0.9	0.5	1.7	881
	<b>LSD<sup>3</sup></b>	7.5	1.4	0.9	2.8	1478
	<b>Mean<sup>4</sup></b>	100.4	59.0	12.2	38.5	17061
	<b>CV<sup>5</sup></b>	4.5	1.5	4.2	4.4	5.2
	<b>Reps</b>	4	4	2	4	2

<sup>3</sup> For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

<sup>4</sup> Mean performance of all entries in the trial.

<sup>5</sup> 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 Stumpf International Wheat Center; Grant, NE  
Planting Date: September 17 2020  
Seeding Rate: 1.0 million seeds/acre  
Harvest Date: July 14, 2021  
Fertility: 40 lb/a 40Rock in-furrow at planting and 80 lbs of N in spring  
Herbicide/Fungicides: Preplant burndown of Amber and RoundUp; 2 pt/a Prowl in late April  
Soil Type: Kuma loam  
GPS: 40.848876, -101.702478  
Notes: Planted into no-till fallowed corn stalks. Excellent stand and yields with some late season disease pressure (tan spot and leaf rust).

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