



UNIVERSITY of NEBRASKA  
LINCOLN

## Deuel 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)
LCS Helix AX	Limagrain Cereal Seeds	81.3	61.7	9.4	33.4
AP 18AX	AgriPro-Syngenta	80.9	60.4	10.1	35.6
WB4418	WestBred	80.8	61.1	10.5	33.3
Guardian	PlainsGold	80.5	62.1	9.7	35.3
Overland	Husker Genetics	80.3	61.9	10.1	36.4
Whistler	PlainsGold	80.0	60.6	9.5	35.6
NE15624	UNL-Experimental	79.1	61.0	10.9	32.7
NW13493	UNL-Experimental	79.0	61.7	10.2	33.6
WB4792	WestBred	78.7	63.0	10.4	36.2
Fortify SF	PlainsGold	78.7	61.2	9.6	35.0
CP7017AX	CROPLAN by WinfieldUnited	77.3	60.2	10.2	31.4
MS Maverick	Meridian Seeds	77.1	62.2	10.6	34.1
WB4462	WestBred	77.0	61.7	11.1	35.2
CP7010	CROPLAN by WinfieldUnited	76.5	63.2	11.3	33.6
Crescent AX	PlainsGold	76.3	61.2	10.1	36.2
CP7909	CROPLAN by WinfieldUnited	75.8	59.2	10.4	32.1
AP Roadrunner	AgriPro-Syngenta	75.7	60.9	10.2	33.7
Ruth	Husker Genetics	74.5	61.2	10.6	34.5
AP Bigfoot (10BC329-17-5)	AgriPro-Syngenta	74.4	60.3	10.5	33.3
NE17443	UNL-Experimental	74.4	62.0	10.6	34.9
KS Hamilton	Kansas Wheat Alliance	74.0	60.7	10.4	32.3
NE17544	UNL-Experimental	73.9	61.4	11.1	37.8
WB4309	WestBred	73.9	60.8	10.6	32.7
LCS Atomic AX	Limagrain Cereal Seeds	73.8	60.2	10.2	30.8
NE14696	UNL-Experimental	73.4	61.4	10.0	38.1
CP7050AX	CROPLAN by WinfieldUnited	73.4	62.2	11.3	34.0
NE16562	UNL-Experimental	73.4	58.1	11.0	36.0

<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>Infinity CL</b>	Husker Genetics	73.1	61.9	10.7	36.2
<b>Settler CL</b>	NuPride Genetics	72.8	60.8	10.6	33.3
<b>AP Solid (NP 1300500 #49)</b>	AgriPro-Syngenta	71.8	63.2	11.3	32.8
<b>WB4595</b>	WestBred	71.8	62.8	11.0	33.7
<b>Robidoux</b>	Husker Genetics	71.6	60.1	10.2	33.9
<b>NHH17612</b>	UNL-Experimental	71.5	61.8	11.1	34.9
<b>Wesley</b>	Husker Genetics	71.2	60.3	10.8	33.5
<b>SY Legend CL2</b>	AgriPro-Syngenta	70.3	59.9	11.2	32.1
<b>Spur</b>	AgriPro-Syngenta	70.1	60.0	10.2	32.2
<b>MS Iceman</b>	Meridian Seeds	70.1	62.3	10.9	32.9
<b>WB-Grainfield</b>	WestBred	69.7	60.2	10.2	33.2
<b>LCS Valiant</b>	Limagrain Cereal Seeds	69.6	60.7	11.0	31.5
<b>LCS Photon AX</b>	Limagrain Cereal Seeds	69.2	62.3	11.0	33.5
<b>SY Wolverine</b>	AgriPro-Syngenta	69.1	60.9	10.6	30.5
<b>NHH17450</b>	UNL-Experimental	69.1	60.5	10.3	35.8
<b>NE17441</b>	UNL-Experimental	69.0	59.2	10.2	32.7
<b>LCS Link</b>	Limagrain Cereal Seeds	68.4	60.4	11.4	33.9
<b>Freeman</b>	Husker Genetics	67.8	58.2	10.3	32.8
<b>Goodstreak</b>	Husker Genetics	67.2	61.9	10.9	43.8
<b>Panhandle</b>	Husker Genetics	66.0	60.4	11.0	40.1
<b>WB4483</b>	WestBred	65.8	58.7	11.0	32.7
<b>Scout 66</b>	Check	61.2	61.3	11.5	45.7
<b>Pronghorn</b>	Husker Genetics	59.5	61.2	11.1	44.3
<b>Turkey</b>	Check	56.1	60.3	11.7	46.7
	<b>Standard Error</b>	4.7	0.7	0.6	1.1
	<b>LSD<sup>3</sup></b>	7.7	1.1	1.0	1.8
	<b>Mean<sup>4</sup></b>	72.9	61.0	10.6	34.9
	<b>CV<sup>5</sup></b>	6.4	1.1	5.7	3.2
	<b>Reps</b>	4	4	2	4

<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: Larry Flohr, V&F Seed  
Planting Date: September 18 2020  
Seeding Rate: 900,000 seeds/acre  
Harvest Date: July 15, 2021  
Fertility: 40 lb/a 40 rock at planting; 40 lb N applied in spring  
Herbicide/Fungicides: Olympus, 2,4-D, and 20 lb N on 4/25/2021; 2 pt/a Prowl on 4/26/2021  
Soil Type: Johnstown-Satanta-Richfield loams  
GPS: 41.173917, -102.24723  
Notes: Convention tillage in fallowed wheat stubble. Planted about a week earlier than rest of field, so had a bit more moisture at planting. Overall good stand given dry fall, but some pressure from volunteer wheat. Wheat stem sawflies observed in this and surrounding fields.

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