



UNIVERSITY of NEBRASKA  
LINCOLN

## Kimball County Rainfed 2022 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu) <sup>2</sup>	Plant Height (in)
WB4418	WestBred	57.2	60.4	25.5
Langin	PlainsGold	56.6	60.6	26.1
WB4595	WestBred	56.3	61.3	25.1
LCS Helix AX	Limagrain Cereal Seeds	55.2	61.8	26.0
WB4309	WestBred	53.1	60.6	24.3
WB4462	WestBred	50.2	59.7	28.3
Whistler	PlainsGold	49.9	57.9	25.4
Robidoux	Husker Genetics	49.3	59.0	26.3
Spur	AgriPro	49.1	58.2	26.7
LCS Valiant	Limagrain Cereal Seeds	48.6	60.5	26.1
CPX72166AX	CROPLAN	48.2	60.5	23.7
WB4422	WestBred	48.0	60.2	24.5
NE17544	UNL-Experimental	47.9	61.2	26.4
LCS Atomic AX	Limagrain Cereal Seeds	47.9	61.9	24.1
CP7050AX	CROPLAN	47.9	61.8	26.9
AP Solid	AgriPro	47.6	61.9	22.8
CP7017AX	CROPLAN	47.5	60.4	22.9
NE17441	UNL-Experimental	47.2	61.1	24.9
LCS Photon AX	Limagrain Cereal Seeds	46.3	61.8	26.7
SY Wolverine	AgriPro	46.2	59.5	23.0
NE19590	UNL-Experimental	46.1	59.5	25.0
MS Iceman	Meridian Seeds	45.9	60.1	24.4
NE18573	UNL-Experimental	45.9	59.3	26.3
NHH17612	UNL-Experimental	45.8	60.3	23.9
LCS Steel AX	Limagrain Cereal Seeds	45.8	58.5	24.1
NE16562	UNL-Experimental	44.8	57.7	25.2
WB4510CLP	WestBred	44.7	60.8	24.3
LCS Runner	Limagrain Cereal Seeds	44.4	60.1	24.4
WB4792	WestBred	44.3	60.1	24.8
AP Roadrunner	AgriPro	44.3	57.9	23.8
NE19619	UNL-Experimental	44.1	59.5	25.5
NHH19668	UNL-Experimental	43.5	58.5	23.5
Crescent AX	PlainsGold	43.4	60.3	25.7

<sup>1</sup> Yield values corrected to 12% moisture. Bolded values indicate highest LSD grouping.

<sup>2</sup> Test weights were evaluated with a freestanding Dickey John GAC due to issue with onboard sensor on combine.

Name	Company	Yield (bu/ac) <sup>3</sup>	Test Weight (lb/bu) <sup>4</sup>	Plant Height (in)
<b>Fortify SF</b>	PlainsGold	43.3	<b>61.4</b>	23.9
<b>NHH17450</b>	UNL-Experimental	43.2	59.8	26.3
<b>Pronghorn</b>	Husker Genetics	43.1	<b>61.6</b>	26.5
<b>LCS Link</b>	Limagrain Cereal Seeds	42.5	58.6	22.5
<b>AP 18AX</b>	AgriPro	42.4	58.9	25.2
<b>SY Legend</b>	AgriPro	42.3	59.6	22.9
<b>KS Hamilton</b>	Kansas Wheat Alliance	42.1	60.0	23.2
<b>AP Bigfoot</b>	AgriPro	42.0	59.6	23.5
<b>NI17410</b>	UNL-Experimental	41.5	60.0	23.2
<b>Settler CL</b>	Husker Genetics	41.2	58.3	24.0
<b>NW15443</b>	UNL-Experimental	41.1	57.2	26.1
<b>Goodstreak</b>	Husker Genetics	40.9	<b>60.4</b>	28.7
<b>Freeman</b>	Husker Genetics	40.7	58.0	24.4
<b>Epoch</b>	NuHorizon	40.7	59.1	24.1
<b>Wesley</b>	Husker Genetics	40.5	58.5	22.7
<b>WB4483</b>	WestBred	40.2	58.4	21.6
<b>Ruth</b>	Husker Genetics	39.9	59.7	23.3
<b>MS Maverick</b>	Meridian Seeds	39.7	59.1	22.8
<b>Scout 66</b>	Check	37.6	59.9	30.7
<b>Turkey</b>	Check	34.4	59.1	28.2
<b>Amplify SF</b>	PlainsGold	33.5	58.2	21.0
	<b>Standard Error</b>	5.1	0.9	1.4
	<b>LSD<sup>5</sup></b>	8.5	1.5	2.3
	<b>Mean<sup>6</sup></b>	45.1	59.8	24.8
	<b>CV<sup>7</sup></b>	11.3	1.5	5.6
	<b>Reps</b>	4	4	4

<sup>3</sup> Yield values corrected to 12% moisture. Bolded values indicate highest LSD grouping.

<sup>4</sup> Test weights were evaluated with a freestanding Dickey John GAC due to issue with onboard sensor on combine.

<sup>5</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>6</sup> Mean performance of all entries in the trial.

<sup>7</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: Chad Bomberger and Travis Freeburg, Bushnell, NE  
Planting Date: 9/13/2021  
Seeding Rate: 900,000 seeds/acre  
Harvest Date: 7/21/2022  
Fertility: 70 lb/a 40 Rock in furrow at planting,  
Herbicide/Fungicides:  
Soil Type: Rosebud-Canyon & Alliance loams  
GPS: 41.40754, -103.994729  
Planting Info: Drilled into tilled fallowed corn stalks with double disk no-till drill on 10” centers  
Notes on Trial: Good stand despite drought conditions, experienced a freeze in late May, and some sawfly infestation. Held test weight quite well for the year as compared to surrounding counties. No significant differences between varieties for grain protein (average 12.6%) or seed weight (average 19,000 seeds/lb).

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