



UNIVERSITY of NEBRASKA  
LINCOLN

## West Central Region 2-Year Averages 2021-2022 Winter Wheat Variety Trials

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Protein (%) <sup>2</sup>	Plant Height (in)	Seed Weight (1000 seeds/lb)
LCS Atomic AX	Limagrain Cereal Seeds	<b>86.4</b>	58.7	12.4	30.3	15.1
AP Bigfoot	AgriPro	<b>85.6</b>	58.2	13.3	30.7	18.2
KS Hamilton	Kansas Wheat Alliance	<b>84.2</b>	58.6	12.8	30.6	16.8
WB4462	WestBred	<b>82.9</b>	58.9	13.4	34.7	15.9
WB4595	WestBred	<b>82.7</b>	<b>60.6</b>	12.4	32.2	15.5
AP 18AX	AgriPro	<b>82.4</b>	57.3	12.6	32.6	16.0
WB4792	WestBred	<b>82.2</b>	59.6	12.6	32.1	17.5
CP7017AX	CROPLAN	<b>82.0</b>	58.7	12.4	30.6	16.1
NHH17612	UNL-Experimental	<b>81.6</b>	59.4	13.5	31.4	17.8
Settler CL	Husker Genetics	<b>80.9</b>	58.4	13.0	31.7	15.2
LCS Helix AX	Limagrain Cereal Seeds	<b>80.8</b>	59.2	12.8	31.7	15.9
AP Roadrunner	AgriPro	<b>80.7</b>	57.4	13.3	31.3	16.8
NHH17450	UNL-Experimental	<b>80.3</b>	58.1	13.3	33.7	17.1
MS Maverick	Meridian Seeds	80.1	59.0	13.2	31.7	15.6
NE17443	UNL-Experimental	80.0	58.6	13.4	31.1	16.2
LCS Valiant	Limagrain Cereal Seeds	80.0	58.2	<b>14.0</b>	31.5	15.8
SY Wolverine	AgriPro	79.9	58.4	13.4	30.5	16.0
WB4422	WestBred	79.7	58.8	13.7	32.2	16.1
WB4418	WestBred	79.6	57.2	13.3	30.4	18.7
Robidoux	Husker Genetics	79.5	57.3	13.6	32.4	17.2
NE17441	UNL-Experimental	78.6	57.9	12.9	30.9	16.1
MS Iceman	Meridian Seeds	78.6	58.7	13.7	30.9	17.3
NE16562	UNL-Experimental	78.6	57.0	12.9	32.3	16.3
LCS Link	Limagrain Cereal Seeds	78.0	58.4	13.2	32.6	15.5
SY Legend	AgriPro	77.9	58.6	13.7	30.8	15.5
WB4309	WestBred	77.8	57.9	13.6	30.9	17.6
PSB13NEDH-14-83	UNL-Experimental	77.0	57.9	13.5	32.7	14.6
Ruth	Husker Genetics	76.8	58.0	13.2	33.0	17.2
NW15443	UNL-Experimental	76.7	57.8	12.8	33.3	14.9
Wesley	Husker Genetics	76.4	57.1	13.6	29.3	14.9
Freeman	Husker Genetics	76.1	56.4	13.1	31.8	16.4

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

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

Name	Company	Yield (bu/ac)	Test Weight (lb/bu)	Protein (%)	Plant Height (in)	Seed Weight (1000 seeds/lb)
Epoch	NuHorizon	75.4	57.7	13.2	31.2	16.3
CP7050AX	CROPLAN	73.6	<b>60.0</b>	13.7	31.4	16.6
Scout 66	Check	62.5	58.8	13.4	36.5	15.8
Turkey	Check	62.3	57.4	<b>14.4</b>	37.8	16.9
	<b>Standard Error</b>	3.7	0.6	0.3	0.8	0.7
	<b>LSD<sup>3</sup></b>	6.1	0.9	0.5	1.3	1.1
	<b>Mean<sup>4</sup></b>	78.7	58.3	13.2	31.9	16.3
	<b>CV<sup>5</sup></b>	4.7	0.9	2.4	2.5	4.2

**SITES INCLUDED:**

**2022** Keith, Perkins, Lincoln

**2021** Red Willow, Perkins, Lincoln

**NOTES:** Keith County in 2021 lost to field variability, Red Willow County in 2022 lost to hail storm that disproportionately affected earlier maturity wheat varieties. 2021 saw higher overall averages, while 2022 experienced higher severity in drought. We recommend looking at these multi-year averages in addition to the individual year summaries to make variety selections.

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<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.