



UNIVERSITY of NEBRASKA  
LINCOLN

## West Central Region 3-Year Averages 2020-2022 Winter Wheat Variety Trials

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Protein (%) <sup>2</sup>	Plant Height (in)
<b>WB4595</b>	WestBred	<b>75.7</b>	<b>59.8</b>	11.9	31.8
<b>WB4792</b>	WestBred	<b>72.9</b>	58.0	12.3	31.4
<b>Settler CL</b>	Husker Genetics	<b>72.9</b>	57.9	12.4	31.2
<b>AP 18AX</b>	AgriPro	<b>72.6</b>	56.6	12.3	32.0
<b>CP7017AX</b>	CROPLAN	<b>71.9</b>	57.8	12.1	29.9
<b>LCS Valiant</b>	Limagrain Cereal Seeds	<b>71.9</b>	57.6	13.1	31.1
<b>WB4418</b>	WestBred	<b>71.8</b>	56.7	12.8	30.1
<b>NW15443</b>	UNL-Experimental	<b>70.9</b>	57.1	12.4	33.1
<b>LCS Link</b>	Limagrain Cereal Seeds	<b>70.8</b>	58.1	12.6	32.2
<b>SY Wolverine</b>	AgriPro	70.4	58.1	12.9	30.2
<b>Robidoux</b>	Husker Genetics	70.3	56.7	13.0	32.2
<b>Wesley</b>	Husker Genetics	69.3	56.7	13.1	29.1
<b>SY Legend</b>	AgriPro	69.3	57.9	13.3	30.2
<b>Ruth</b>	Husker Genetics	68.2	57.6	12.7	32.3
<b>Freeman</b>	Husker Genetics	67.7	55.7	12.7	31.3
<b>NE16562</b>	UNL-Experimental	66.9	56.3	12.9	31.6
<b>CP7050AX</b>	CROPLAN	65.9	<b>59.2</b>	13.2	31.0
<b>Scout 66</b>	Check	55.9	57.3	12.9	36.2
<b>Turkey</b>	Check	54.9	56.4	<b>14.0</b>	37.3
	<b>Standard Error</b>	3.1	0.6	0.3	0.6
	<b>LSD<sup>3</sup></b>	5.2	0.9	0.4	1.1
	<b>Mean<sup>4</sup></b>	69.1	57.5	12.8	31.8
	<b>CV<sup>5</sup></b>	4.5	1.0	2.0	2.0

<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.

<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.

**SITES INCLUDED:**

- 2022** Keith, Perkins, Lincoln
- 2021** Red Willow, Perkins, Lincoln
- 2020** Red Willow, Perkins, Lincoln

**NOTES:** Keith County in 2020 had extreme weed pressure, Keith County in 2021 lost to field variability, Red Willow County in 2022 lost to hail storm that disproportionately affected earlier maturity wheat varieties. We recommend looking at these multi-year averages in addition to the individual year summaries to make variety selections. Plant height summary does not include data for Red Willow in 2020, but includes the remaining 8 location-years. Kernel weight data not collected for region in 2020, so refer to 2-year averages for that information.

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