



UNIVERSITY of NEBRASKA  
LINCOLN

## Red Willow County Rainfed 2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Protein (%) <sup>2</sup>
WB4595	WestBred	97.7	59.3	11.4
NW13493	UNL-Experimental	93.0	56.6	11.6
CP7010	CROPLAN by Winfield United	92.4	58.4	11.8
NW15443	UNL-Experimental	86.7	56.8	11.8
WB4462	WestBred	86.7	59.9	12.1
SY Sunrise	AgriPro-Syngenta	86.6	58.1	11.9
SY Rugged	AgriPro-Syngenta	86.4	56.3	11.4
WB4418	WestBred	85.9	57.5	12.0
Canvas	PlainsGold	84.7	57.6	10.9
Settler CL	NuPride Genetics	83.9	58.8	11.6
LCS Valiant	Limagrain Cereal Seeds	83.7	56.8	12.5
WB4792	WestBred	83.4	53.6	11.8
Wesley	Husker Genetics	83.0	56.4	12.9
CP7017AX	CROPLAN by Winfield United	81.6	57.8	11.2
KS Western Star	Kansas Wheat Alliance	81.2	55.0	12.1
LCS Chrome	Limagrain Cereal Seeds	81.1	59.3	12.5
NHH144913-3	UNL-Experimental	79.7	55.6	12.7
WB-Grainfield	WestBred	79.4	57.4	11.7
AP 18AX	AgriPro-Syngenta	78.1	56.5	11.5
CP7869	CROPLAN by Winfield United	77.5	60.8	11.9
SY Legend CL2	AgriPro-Syngenta	76.4	58.9	12.6
LCS Link	Limagrain Cereal Seeds	76.0	60.8	11.8
Long Branch	Dyna-Gro Seed	74.2	57.8	11.6
NE15410	UNL-Experimental	73.3	57.6	11.8
KS Dallas	Kansas Wheat Alliance	73.3	58.4	12.0
Tatanka	Kansas Wheat Alliance	72.6	57.7	11.1
NE14434	UNL-Experimental	71.6	54.4	12.0
SY Wolverine	AgriPro-Syngenta	71.1	59.7	12.1
NE14691	UNL-Experimental	70.8	54.5	12.7
Ruth	Husker Genetics	70.5	59.3	12.2
Robidoux	Husker Genetics	69.4	58.4	12.3
NE15624	UNL-Experimental	68.8	57.2	13.0
Freeman	Husker Genetics	67.5	55.7	12.6
SY Monument	AgriPro-Syngenta	67.4	57.9	11.9

<sup>1</sup> Yield values corrected to 12% moisture.

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

<b>CP7050AX</b>	CROPLAN by Winfield United	67.2	58.7	12.4
<b>Siege</b>	NuPride Genetics	64.7	61.0	12.9
<b>SY 517CL2</b>	AgriPro-Syngenta	64.1	54.7	12.5
<b>Scout 66</b>	Check	63.0	54.9	12.8
<b>CP7909</b>	CROPLAN by Winfield United	61.2	59.4	12.2
<b>Turkey</b>	Check	60.1	57.6	13.3
<b>NE16562</b>	UNL-Experimental	57.4	58.0	12.9
	<b>Standard Error</b>	7.7	1.5	0.4
	<b>LSD<sup>3</sup></b>	12.8	2.6	0.6
	<b>Mean<sup>4</sup></b>	76.4	57.6	12.1
	<b>CV<sup>5</sup></b>	12.4	3.1	4.6
	<b>Reps</b>	4	4	2

## SITE INFORMATION

Collaborator: Randy Peters; McCook, NE  
 Planting Date: September 23, 2019  
 Seeding Rate: 900,000 seeds/acre  
 Harvest Date: July 6, 2020  
 Fertility: 91 lb N, 6 lb K, 13 lb S, 10 lb Cl, 0.2 Zn in April; 5 lb N in May  
 Herbicide/Fungicides: 0.56 oz Amber fall applied, 8 oz Nexicor in May  
 Soil Type: Holdrege silt loam  
 GPS: 40.156667, -100.806389  
 Notes: Minimum tillage into fallowed corn. Some damage from spring freezes and limited rainfall. Due to combine equipment errors, some of the test weight data was unreliable and not used in the final analysis. For plots with unreliable test weight data, the site average test weight of 56 lb/bu was used in yield calculations. Consulting of other West Central Trials and Regional/Multi-Year averages strongly recommended.

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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.