



UNIVERSITY of NEBRASKA
LINCOLN

Regional Averages—Panhandle 2023 Winter Wheat Variety Trials

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Seed Weight (1000 seeds/lb)
LCS Steel AX	Limagrain	79.5	56.7	10.6	31.8	18.2
ARMOR EXP55	ARMOR	78.1	56.6	11.4	28.3	13.9
NE17544	UNL-Experimental	78.1	57.6	11.6	31.8	15.2
WB4595	WestBred	77.7	58.6	11.2	29.6	17.2
MS Maverick	Meridian Seeds	77.6	57.7	12.1	30.1	14.7
Steamboat	Crop Research Foundation of WY, Inc.	76.6	57.7	10.8	31.1	15.4
Whistler	PlainsGold	76.4	56.0	11.5	32.0	16.3
Kivari AX	PlainsGold	76.0	55.7	10.7	30.2	16.7
Amplify SF	PlainsGold	76.0	57.2	11.4	30.0	16.4
NE17441	UNL-Experimental	75.8	57.6	12.0	30.3	16.0
Settler CL	NuPride Genetics	75.5	58.0	11.6	29.5	14.7
NE16562	UNL-Experimental	75.2	56.1	12.0	29.4	17.1
NE19619	UNL-Experimental	74.7	56.5	12.3	33.8	14.1
WB4422	WestBred	74.1	58.0	12.1	28.6	16.0
Wesley	Husker Genetics	73.7	55.7	12.4	28.2	14.8
Ruth	Husker Genetics	73.5	56.4	11.9	29.8	16.9
Crescent AX	PlainsGold	73.5	57.5	11.5	29.7	15.1
ARMOR EXP65AX	ARMOR	73.2	56.4	11.4	29.7	17.4
CP7017AX	CROPLAN	72.5	57.4	11.1	27.9	17.0
AP Bigfoot	AgriPro	72.1	56.3	11.9	28.4	18.1
NW15443	UNL-Experimental	72.0	56.6	11.5	31.6	13.7
WB4510CLP	WestBred	71.9	58.4	11.7	30.9	16.1
WB4792	WestBred	71.4	56.9	11.3	29.8	16.8
WB4483	WestBred	71.4	55.3	11.9	30.3	19.9
AP 18AX	AgriPro	71.2	55.3	11.4	28.7	16.2
NE18455	UNL-Experimental	70.8	55.2	11.7	29.4	19.0
Freeman	Husker Genetics	70.8	55.3	11.9	29.5	16.1
AAC Goldrush	North Dakota Crop Improvement	70.7	57.8	12.4	32.4	16.1
AP Solid	AgriPro	70.6	57.4	12.2	27.8	16.2
WB4418	WestBred	70.2	54.6	11.9	26.7	18.3

¹ Yield values corrected to 12% moisture. Bolded values indicate highest LSD grouping.

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

Canvas	PlainsGold	70.1	56.4	11.7	28.7	18.6
Langin	PlainsGold	70.0	54.8	11.1	27.6	17.3
MS Sundown	Meridian Seeds	70.0	57.2	11.7	30.6	17.5
CP7266AX	CROPLAN	70.0	56.4	11.8	30.2	16.8
SY Wolverine	AgriPro	69.2	55.6	12.0	27.6	16.5
LCS Julep	Limagrain	69.0	57.5	12.3	29.1	14.8
NHH19668	UNL-Experimental	68.6	57.0	11.9	29.3	16.3
NHH17450	UNL-Experimental	68.4	56.2	11.7	31.1	17.7
NHH17612	UNL-Experimental	68.4	57.2	12.3	29.8	18.3
Robidoux	Husker Genetics	67.0	54.5	11.8	30.0	17.9
WB4733CLP	WestBred	66.9	55.5	12.1	27.7	18.6
Pronghorn	Husker Genetics	66.6	57.7	12.5	35.2	15.6
LCS Atomic AX	Limagrain	65.4	55.5	11.7	27.8	16.4
Fortify SF	PlainsGold	64.8	56.0	11.2	29.6	18.3
SY Legend CL2	AgriPro	64.3	56.5	12.1	28.1	16.1
Turkey	Check	63.2	56.7	12.9	38.6	15.7
CP7050AX	CROPLAN	62.7	56.3	12.7	28.0	18.1
Scout 66	Check	62.5	56.1	12.9	36.4	15.2
LCS Valiant	Limagrain	61.1	54.2	12.6	27.0	17.1
	Standard Error	3.3	0.6	0.3	0.7	0.6
	LSD³	5.4	1.1	0.5	1.2	1.0
	Mean⁴	70.6	56.5	11.8	30.0	16.6
	CV⁵	4.6	1.1	2.5	2.4	3.8

SITES INCLUDED:

Banner, Box Butte, Cheyenne, Cheyenne with Intensive Management, Deuel, Kimball

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³ For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

⁴ Mean performance of all entries in the trial.

⁵ 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.