



UNIVERSITY of NEBRASKA
LINCOLN

Deuel County Rainfed 2024 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Grain Weight (1000 seeds/lb)
AP 24AX	AgriPro	78.8	55.4	9.5	36.9	18.8
Steamboat	Crop Research Foundation of Wyoming, Inc.	76.4	57.8	9.0	32.6	16.6
MS Maverick	Meridian Seeds	74.3	58.0	8.9	33.9	17.3
Crescent AX	PlainsGold	74.0	56.8	8.6	32.2	17.1
CP7266AX	Croplan	73.1	57.2	9.2	32.1	18.4
Whistler	PlainsGold	72.8	54.1	9.0	33.1	19.0
AR Iron Eagle 33AX	Armor	72.1	57.3	8.5	34.4	17.9
Kivari AX	PlainsGold	71.1	54.8	7.9	31.6	18.3
AP Sunbird	AgriPro	70.7	57.1	8.4	31.1	17.7
WB4445CLP	WestBred	70.2	57.2	9.4	32.6	17.2
WB4347	WestBred	69.8	59.0	8.8	32.6	15.9
NE16562	UNL	69.0	56.3	10.0	31.9	19.6
Canvas	PlainsGold	68.6	56.5	9.0	32.8	19.6
CP7017AX	Croplan	68.4	57.2	8.5	31.8	18.2
Settler CL	NuHorizon Genetics	68.3	57.3	8.8	33.5	17.3
CO18042RA	PlainsGold	68.1	54.3	8.8	31.6	21.5
NE19412	UNL	68.1	56.3	10.3	33.9	20.4
NE18435	UNL	68.1	56.7	9.1	34.1	18.4
WB4422	WestBred	68.0	56.6	9.7	32.4	18.0
AP Solid	AgriPro	67.9	58.2	9.8	30.2	17.5
Robidoux	NuHorizon Genetics	67.5	55.6	9.7	31.6	18.0
LCS Atomic AX	Limagrain	67.4	56.3	8.4	31.9	16.9
Ruth	NuHorizon Genetics	67.0	57.0	9.5	34.2	18.0
SY Legend CL2	AgriPro	66.6	55.3	9.7	33.0	19.0
AP Bigfoot	AgriPro	66.5	57.2	9.7	32.1	19.5
Amplify SF	PlainsGold	66.1	56.5	9.1	33.9	18.3
NI17410	UNL	66.0	57.1	9.6	34.0	18.3
NE18455	UNL	65.8	56.4	9.6	31.4	20.2
AP Roadrunner	AgriPro	65.5	55.2	9.6	32.4	19.6
NE17441	UNL	65.3	55.7	9.7	33.7	18.9

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

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

LCS Julep	Limagrain	64.8	57.8	9.6	33.2	17.9
WB4510CLP	WestBred	64.0	58.2	9.6	33.3	18.0
NHH19651	UNL	63.8	56.7	9.1	35.5	18.1
LCS Helix AX	Limagrain	63.6	56.5	8.8	32.2	18.0
AR Iron Eagle 22AX	Armor	63.6	57.0	8.7	31.1	19.2
NE17544	UNL	63.5	56.5	9.2	35.6	18.4
WB4595	WestBred	63.4	58.0	8.9	34.2	18.9
LCS Steel AX	Limagrain	63.0	56.1	9.5	35.2	19.5
NSF22115	UNL	61.8	57.2	10.2	33.2	19.1
NE19455	UNL	61.3	55.1	11.1	35.1	18.8
NHH19668	UNL	61.1	56.2	9.9	33.1	16.6
NW15443	UNL	60.9	55.7	9.4	33.1	17.3
NE19590	UNL	60.8	56.0	9.8	36.8	18.3
CP7220	Croplan	60.5	56.9	9.9	30.6	16.0
NE19619	UNL	60.0	56.5	9.9	34.2	16.6
WB4792	WestBred	60.0	55.6	9.1	34.5	19.2
LCS Radar	Limagrain	59.9	53.9	10.2	30.4	18.8
NE Prism CLP	NuHorizon Genetics	59.9	56.9	9.7	33.7	20.6
WB4444	WestBred	59.6	54.7	11.1	33.7	20.2
NE19454	UNL	59.5	55.3	9.8	33.7	20.2
Pronghorn	NuHorizon Genetics	59.0	58.2	10.6	36.0	17.8
Wesley	Husker Genetics	58.3	54.6	10.3	34.2	18.6
NEB145-12	UNL	58.2	56.6	9.6	36.3	17.2
NSF22113	UNL	57.8	56.4	10.4	32.6	19.2
Windom SF	PlainsGold	57.2	56.0	8.9	33.1	17.9
WB4733CLP	WestBred	56.9	55.8	10.5	31.7	20.8
NSF22102	UNL	55.6	56.1	10.2	32.2	18.4
Scout 66	Check	51.5	57.2	10.5	38.3	16.5
WB4483	WestBred	49.8	53.5	9.9	28.7	20.3
Turkey	Check	48.6	56.3	11.2	39.4	18.3
	Standard Error	3.0	0.8	0.6	1.9	1.4
	LSD³	4.9	1.4	1.0	3.2	2.3
	Mean⁴	64.5	56.4	9.5	33.3	18.4
	CV⁵	4.6	1.5	6.3	5.8	7.5
	Reps	4	4	2	4	2

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 plots 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.

SITE INFORMATION	
Collaborator:	Larry Flohr; V&F Seeds
Planting Date:	9/19/2023
Seeding Rate:	900,000 seeds/a
Harvest Date:	7/11/2024
Fertility:	50 lb/a 40 Rock in-furrow at planting; 45 lb/a N streamed on at green up; additional 20 lb/a N applied with Amber
Herbicide/Fungicides:	0.35 oz/a Amber
Soil Type:	Satanta-Johnstown-Altvan loams, Johnstown-Satanta-Richfield loams
GPS:	41.174851, -102.247338
Planting Info:	Drilled 2" into tilled wheat fallow with good soil moisture on 10" centers
Notes on Trial:	Excellent stand and vigorous spring growth. Data was highly consistent and clean.

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