



UNIVERSITY of NEBRASKA
LINCOLN

Deuel County Rainfed 2025 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Grain Weight (1000 seeds/lb)
Whistler	PlainsGold	68.1	58.3	10.0	27.3	17.89
CO200037R	CSU-Experimental	58.5	63.4	10.4	27.3	20.86
CO21SF191RA	CSU-Experimental	57.8	55.9	10.3	22.9	20.48
Crescent AX	PlainsGold	57.3	56.8	10.3	24.2	14.84
FVC Valley	FVC	56.8	60.8	10.2	22.4	25.72
AP24 AX	AgriPro	56.8	55.6	10.3	24.7	18.04
CO19D087R	CSU-Experimental	55.4	52.1	10.7	23.0	23.92
NE22212	UNL-Experimental	55.2	56.0	10.3	23.4	19.93
Robidoux	Nu Horizon Genetics	55.0	56.9	11.1	23.2	19.21
Telluride	PlainsGold	54.7	56.0	10.5	21.0	16.53
NHH19651	UNL-Experimental	54.6	58.4	10.9	24.4	16.82
Canvas	PlainsGold	53.3	56.6	10.1	22.1	20.52
NE19455	UNL-Experimental	53.1	56.8	11.8	24.8	17.86
LCS Atomic AX	Limagrain Cereal Seeds	52.3	58.1	10.7	24.2	18.36
CO21SF263RA	CSU-Experimental	52.2	54.4	10.6	25.0	23.25
AP Solid	AgriPro	51.7	55.2	10.7	20.5	18.06
WB4510CLP	WestBred	51.4	57.9	10.4	25.9	21.20
NHH19668	UNL-Experimental	51.4	53.7	11.7	21.7	22.09
AR Iron Eagle 22AX	Armor	50.5	57.4	11.2	22.9	18.64
Ruth	Nu Horizon Genetics	49.0	55.0	12.0	26.3	17.26
NSF23323	UNL-Experimental	48.4	57.7	11.4	21.8	19.27
Turkey	Check	47.8	55.4	12.1	26.0	17.74
NSF22115	UNL-Experimental	47.6	53.4	11.0	22.5	22.55
CP7017AX	Croplan	47.2	60.6	10.7	21.5	16.34
NE Prism CLP	Nu Horizon Genetics	47.1	55.4	11.9	22.0	22.86
Pronghorn	Nu Horizon Genetics	47.0	58.3	11.2	22.3	23.16
NSF23324	UNL-Experimental	46.5	55.3	12.2	19.7	20.59
LCS Valiant	Limagrain Cereal Seeds	46.4	53.5	12.6	22.3	18.26
WB4595	WestBred	45.9	57.9	10.9	22.9	22.56
NSF23312	UNL-Experimental	45.5	55.8	12.1	22.0	24.22
NE20620	UNL-Experimental	45.0	55.8	12.3	22.7	21.96
WB4444	WestBred	44.4	51.3	12.8	21.5	21.51
NE19619	UNL-Experimental	43.9	54.3	11.2	22.1	19.12

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. Turkey and Scout 66 may be excluded from protein LSD groups due to known high protein contents.

Name	Company	Yield (bu/ac)	Test Weight (lb/bu)	Protein (%)	Plant Height (in)	Grain Weight (1000 seeds/lb)
Sheridan	PlainsGold	43.8	54.6	12.8	22.5	20.77
AP Sunbird	AgriPro	43.5	56.1	10.6	22.5	15.57
NE22284	UNL-Experimental	43.1	58.1	11.4	26.4	20.46
WB4445CLP	WestBred	43.1	48.4	11.9	23.0	27.43
NE18445	UNL-Experimental	42.8	50.7	11.3	21.2	20.71
NE18455	UNL-Experimental	42.7	52.8	11.3	22.0	24.00
NSF22101	UNL-Experimental	40.3	53.7	13.7	23.4	23.83
Scout 66	Check	38.7	53.2	12.0	27.9	20.23
NE22252	UNL-Experimental	38.2	52.3	11.9	23.0	24.18
Settler CL	Nu Horizon Genetics	36.1	54.9	11.4	19.8	21.75
WB4422	WestBred	36.0	52.1	14.3	24.9	17.87
NE18435	UNL-Experimental	34.2	52.6	12.1	21.8	20.34
Amplify SF	PlainsGold	33.7	47.5	12.6	20.8	28.42
WB4347	WestBred	33.5	53.6	11.9	23.3	28.62
Wesley	NuHorizon Genetics	33.5	51.0	13.3	19.9	22.02
MS Maverick	Meridian Seeds	31.1	46.8	12.2	20.9	26.09
WB4733CLP	WestBred	30.5	49.6	13.0	20.0	26.64
NE21579	UNL-Experimental	30.3	52.1	14.5	20.0	19.01
CP7869	Croplan	25.5	49.4	12.8	18.0	21.54
LCS Steel AX	Limagrain Cereal Seeds	25.3	46.9	12.4	23.7	30.87
AR Turret 25	Armor	20.6	46.1	12.8	17.7	23.78
Summary Statistics						
Standard Error		3.3	2.5	0.6	1.6	3.76
LSD³		5.4	4.2	1.0	2.7	6.31
Mean⁴		45.3	54.5	11.6	22.8	21.22
CV⁵		7.2	4.6	5.3	7.2	17.7
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 and Kevin Flohr, V&F Seeds, Chappell, NE
Planting Date:	9/19/2024
Seeding Rate:	900,000 s/a
Harvest Date:	7/22/2025
Fertility:	50 lb/a 40 Rock applied in-furrow with planting; 10 lb/a N with spring Amber application; 50 lb/a N and Zn in spring topdressing
Herbicide/Fungicides:	1 pt/a Prowl H2O + 24 oz/a glyphosate + AMS applied to clean alleys; Amber in spring
Soil Type:	Johnstown-Satanta-Richfield loams
GPS:	41.17396, -102.247106
Planting Info:	Planted 1.5" into very dry soil, tilled wheat fallow.
Notes on Trial:	Severely dry fall and spring led to poor fall emergence and spotty stand, some emerged in spring. Plots with exceptionally poor overall emergence and final stand were not included in the final analysis due to non-representative results. Surrounding field was planted to NE Prism CLP and averaged 35.8 bu/a, 59-61 lb/bu test weights, and high protein—13.5% or better. Plot area located in a slightly lower part of the field, and entire area benefitted greatly from late season rains that finished the crop. Some mosaic pressure in the plot area and surrounding fields.

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