



UNIVERSITY of NEBRASKA
LINCOLN

Kimball 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)
CO19D087R	CSU-Experimental	52.3	56.7	10.1	25.4	17.57
LCS Atomic AX	Limagrain Cereal Seeds	49.2	58.3	9.9	26.9	15.02
Robidoux	Nu Horizon Genetics	48.8	57.4	9.5	30.1	17.12
AP24 AX	AgriPro	48.6	55.7	10.9	28.7	17.27
FVC Valley	FVC	48.6	57.0	10.7	28.5	17.91
Telluride	PlainsGold	47.8	58.1	8.4	28.5	15.81
Canvas	PlainsGold	47.5	58.6	10.3	26.0	19.46
Whistler	PlainsGold	46.6	56.9	11.1	27.3	17.18
CO21SF191RA	CSU-Experimental	46.4	55.2	11.8	28.8	17.56
NHH19668	UNL-Experimental	45.9	57.6	10.1	24.9	17.36
Amplify SF	PlainsGold	45.4	58.2	11.2	21.4	16.01
CP7869	Croplan	45.1	57.3	11.4	25.7	14.42
Crescent AX	PlainsGold	43.7	56.9	10.1	28.7	14.91
WB4347	WestBred	43.7	56.9	10.9	25.8	16.87
AP Solid	AgriPro	43.4	59.3	10.0	26.9	15.38
AR Turret 25	Armor	43.2	57.6	9.5	25.9	14.43
CO21SF263RA	CSU-Experimental	42.8	53.9	12.8	28.5	18.15
CO200037R	CSU-Experimental	42.8	58.7	11.2	25.7	18.62
WB4445CLP	WestBred	42.4	57.9	11.2	29.3	16.92
NE22252	UNL-Experimental	42.0	58.2	11.1	24.8	17.69
NE22212	UNL-Experimental	41.8	56.9	9.9	24.8	16.00
NE18445	UNL-Experimental	41.8	56.6	12.1	27.6	16.53
LCS Steel AX	Limagrain Cereal Seeds	41.6	57.4	10.6	28.2	17.92
NHH19651	UNL-Experimental	41.0	59.2	10.7	29.1	16.88
Pronghorn	Nu Horizon Genetics	41.0	58.6	11.2	27.4	16.26
NSF23324	UNL-Experimental	40.9	57.2	11.7	27.4	17.54
NE19455	UNL-Experimental	40.7	54.6	12.4	28.9	18.76
NE18455	UNL-Experimental	40.5	56.9	11.1	26.7	17.20
WB4422	WestBred	40.4	58.2	11.5	26.9	14.91
MS Maverick	Meridian Seeds	40.4	57.7	11.2	28.0	15.26
Ruth	Nu Horizon Genetics	40.4	56.9	10.7	27.9	17.05
NE21579	UNL-Experimental	40.2	58.1	12.1	26.5	18.36

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 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)
NE20620	UNL-Experimental	40.2	56.9	11.1	25.2	15.01
WB4595	WestBred	40.2	59.7	10.7	25.5	18.22
LCS Valiant	Limagrain Cereal Seeds	40.0	56.1	11.4	26.7	16.57
WB4510CLP	WestBred	40.0	60.1	10.2	27.2	16.36
AR Iron Eagle 22AX	Armor	39.8	57.9	11.5	25.8	17.36
NSF22115	UNL-Experimental	39.5	57.8	11.5	25.1	17.70
NSF23312	UNL-Experimental	39.5	57.7	10.8	24.7	19.07
AP Sunbird	AgriPro	39.5	58.1	11.2	25.0	15.70
WB4444	WestBred	39.2	55.6	13.1	26.7	18.94
CP7017AX	Croplan	39.2	56.9	11.7	23.4	18.75
NE18435	UNL-Experimental	38.0	56.7	12.5	23.6	17.90
NSF23323	UNL-Experimental	37.8	57.2	10.8	26.9	19.54
Settler CL	Nu Horizon Genetics	37.6	56.0	11.7	25.5	18.72
Sheridan	PlainsGold	37.5	56.6	10.7	26.3	22.11
Scout 66	Check	36.9	57.5	11.8	27.2	16.99
NE19619	UNL-Experimental	36.9	55.6	11.2	26.7	17.06
WB4733CLP	WestBred	35.7	56.0	11.3	24.7	18.92
NE22284	UNL-Experimental	35.3	58.2	12.7	25.7	16.25
Wesley	NuHorizon Genetics	34.5	55.8	12.0	21.8	16.53
Turkey	Check	34.1	55.7	12.8	34.9	18.33
NE Prism CLP	Nu Horizon Genetics	32.9	57.3	11.3	27.1	18.69
NSF22101	UNL-Experimental	26.7	55.7	12.2	27.4	18.53
Summary Statistics						
Standard Error		3.4	1.0	1.1	2.3	1.45
LSD³		5.7	1.6	1.8	3.8	2.4
Mean⁴		41.3	57.2	11.1	26.7	17.25
CV⁵		8.3	1.7	9.5	8.7	8.4
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:	Mark Halstead
Planting Date:	9/18/2024
Seeding Rate:	900,000 s/a
Harvest Date:	7/15/2025
Fertility:	50 lb/a 40 Rock applied in-furrow with planting
Herbicide/Fungicides:	1 pt/a Prowl H2O and 24 oz/a glyphosate applied with AMS to clean alleys in April, no additional herbicides
Soil Type:	Rosebud and Canyon loams
GPS:	41.148056, -103.490278
Planting Info:	Planted 1.5" into tilled ground
Notes on Trial:	Extremely dry fall conditions led to reduced fall emergence and growth, with some thinner spots early in the spring that evened out to a relatively consistent stand by harvest. Late spring rains benefitted the final yields, but were not early enough to compensate for dry fall. Test weights slightly lower than ideal and plant heights were very short, but in line with the region and conditions of the year. Surrounding field averaged slightly lower, perhaps due to seeding depth differences.

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