



UNIVERSITY of NEBRASKA
LINCOLN

Perkins 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 Sunbird	AgriPro	68.1	56.6	10.2	27.7	13.9
Robidoux	NuHorizon Genetics	67.8	54.8	12.0	28.2	18.4
LCS Atomic AX	Limagrain	66.4	54.9	10.4	27.8	12.8
WB4422	WestBred	66.0	56.6	11.3	29.2	13.3
AP 24AX	AgriPro	65.4	53.1	10.3	28.4	14.8
Golden Hawk	Polansky Seed, Inc.	64.8	53.7	11.7	27.7	14.0
CO18D297R	PlainsGold	64.0	54.0	10.8	27.3	22.0
High Country	Polansky Seed, Inc.	62.9	56.1	10.8	27.9	18.3
CP7266AX	Croplan	62.8	55.2	10.3	27.8	17.7
NE16562	UNL	62.6	53.5	11.6	28.3	16.2
NE18455	UNL	62.5	54.8	11.2	28.0	16.9
AP Bigfoot	AgriPro	62.5	54.1	11.4	28.1	16.6
NE18445	UNL	62.3	55.4	11.7	27.1	15.0
WB4445CLP	WestBred	61.9	54.9	11.2	28.4	15.3
NHH19668	UNL	61.8	55.1	11.8	27.7	15.1
Crescent AX	PlainsGold	61.8	56.0	10.4	25.6	12.3
CP7017AX	Croplan	61.6	55.6	10.5	27.6	15.9
AR Iron Eagle 33AX	Armor	61.5	54.9	10.2	28.1	13.4
AR Iron Eagle 22AX	Armor	61.2	56.3	10.0	27.7	15.5
NE18435	UNL	61.1	56.4	11.3	27.1	18.7
Ruth	NuHorizon Genetics	60.8	53.2	11.2	29.2	16.1
NEB145-12	UNL	60.5	55.7	11.0	29.7	16.1
LCS Steel AX	Limagrain	60.3	54.4	10.4	29.5	19.7
WB4595	WestBred	60.3	58.3	10.5	27.7	17.9
NE17441	UNL	60.2	55.9	11.5	28.9	15.2
Canvas	PlainsGold	60.0	55.3	11.1	27.5	17.1
WB4510CLP	WestBred	60.0	56.5	10.5	27.8	16.2
WB4347	WestBred	59.9	58.4	11.5	27.1	14.9
KS Territory	Kansas Wheat Alliance	59.5	54.4	11.8	28.3	18.2
NE19412	UNL	59.5	54.9	11.2	28.4	16.4
AP Roadrunner	AgriPro	59.3	54.6	11.1	28.9	18.5
MS Maverick	Meridian Seeds	59.2	55.5	11.5	29.4	13.2

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 Radar	Limagrain	59.0	54.2	12.2	28.7	18.8
NE19619	UNL	58.5	54.2	12.4	28.2	17.5
Rockstar	Polansky Seed, Inc.	58.3	52.6	12.3	26.2	19.5
NE17544	UNL	57.6	55.3	11.1	29.1	13.4
Wesley	Husker Genetics	57.0	54.3	12.8	27.7	15.4
NE Prism CLP	NuHorizon Genetics	56.2	55.7	12.0	29.1	20.3
NHH19651	UNL	56.2	56.2	11.6	31.1	18.6
WB4792	WestBred	56.2	56.8	10.7	28.2	13.4
CP7220	Croplan	55.2	55.6	11.1	28.4	12.1
NW15443	UNL	54.8	54.4	11.2	28.7	15.8
NE19455	UNL	52.2	54.3	12.7	29.8	16.4
Scout 66	Check	48.1	56.5	12.1	28.2	14.1
Turkey	Check	44.7	54.1	12.4	29.4	17.9
	Standard Error	2.9	1.0	0.5	1.1	1.9
	LSD³	4.8	1.7	0.8	1.8	3.1
	Mean⁴	60.0	55.2	11.3	28.3	16.2
	CV⁵	4.8	1.8	4.3	3.7	11.6
	Reps	4	4	2	4	2

SITE INFORMATION

Collaborator:	Stumpf International Wheat Research Center and Justin Richardson
Planting Date:	9/22/2023
Seeding Rate:	1,000,000 seeds/a
Harvest Date:	7/9/2024
Fertility:	50 lb/a 40 Rock in-furrow at planting
Herbicide/Fungicides:	2 pt/a Prowl H2O in spring
Soil Type:	Ascalon fine sandy loam and Kuma silt loam
GPS:	40.325595, -99.932086
Planting Info:	Planted using a no-till drill on 10" centers into failed corn crop and dry soil conditions
Notes on Trial:	Good yields despite persistent drought in fall and spring, though tillering was limited.

Do not reprint without permission. Contacts: [Amanda Easterly](#) or [Cody Creech](#)

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.