



UNIVERSITY of NEBRASKA
LINCOLN

Banner County Rainfed 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Seed Weight (seeds/lb)
Whistler	PlainsGold	102.2	60.8	10.9	34.0	18306
AP 18AX	AgriPro-Syngenta	100.5	60.8	12.3	35.7	16667
Ruth	Husker Genetics	98.7	61.0	11.9	35.3	18829
WB4792	WestBred	96.6	62.5	11.3	34.0	19287
AP Roadrunner	AgriPro-Syngenta	96.2	61.3	12.3	33.2	18693
NE17441	UNL-Experimental	96.1	60.3	12.3	34.4	18096
WB4309	WestBred	94.9	60.0	12.6	33.6	18105
LCS Atomic AX	Limagrain Cereal Seeds	94.9	60.7	11.6	33.9	17427
SY Wolverine	AgriPro-Syngenta	94.1	61.1	12.4	34.2	17937
AP Bigfoot (10BC329-17-5)	AgriPro-Syngenta	93.9	59.5	12.5	34.8	20781
Spur	AgriPro-Syngenta	93.6	59.8	13.0	32.7	18620
NW13493	UNL-Experimental	93.3	61.0	12.1	34.1	17585
MS Maverick	Meridian Seeds	92.2	61.6	11.6	33.8	17867
Crescent AX	PlainsGold	92.2	60.8	11.8	32.9	18226
KS Hamilton	Kansas Wheat Alliance	92.0	61.0	11.3	31.8	17274
WB4462	WestBred	91.8	61.5	12.4	36.9	15468
Fortify SF	PlainsGold	91.6	60.1	12.2	33.7	21581
WB4418	WestBred	91.3	59.7	12.4	34.5	21671
NE14696	UNL-Experimental	91.1	60.3	13.0	36.9	18888
Robidoux	Husker Genetics	91.1	59.5	12.9	34.3	19722
CP7017AX	CROPLAN by WinfieldUnited	90.7	60.3	12.1	33.8	18751
SY Legend CL2	AgriPro-Syngenta	90.4	61.0	12.8	30.9	18395
LCS Link	Limagrain Cereal Seeds	90.1	60.7	12.4	34.6	17709
NE15624	UNL-Experimental	90.0	60.7	12.6	32.6	20171
Guardian	PlainsGold	88.3	60.5	11.4	34.2	18773
WB-Grainfield	WestBred	87.7	59.6	11.8	34.6	19084
LCS Helix AX	Limagrain Cereal Seeds	87.5	60.3	11.9	32.5	18362
CP7909	CROPLAN by WinfieldUnited	87.3	59.4	11.7	33.7	20534
WB4595	WestBred	86.3	63.3	11.7	32.0	17434

¹ Yield values corrected to 12% moisture and 60 lb/bu test weight.

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

CP7010	CROPLAN by WinfieldUnited	86.0	61.8	12.6	32.2	18259
NE17443	UNL-Experimental	85.5	60.7	12.6	34.4	18633
MS Iceman	Meridian Seeds	85.5	60.7	12.6	33.7	20000
NHH17450	UNL-Experimental	85.4	59.8	12.8	36.0	19720
Freeman	Husker Genetics	85.2	57.7	12.7	35.1	19714
CP7050AX	CROPLAN by WinfieldUnited	84.7	60.9	13.3	35.5	18795
Wesley	Husker Genetics	84.0	59.1	12.8	33.6	18906
Infinity CL	Husker Genetics	83.3	59.2	12.1	33.7	18938
Settler CL	NuPride Genetics	83.2	59.8	12.8	34.3	18455
LCS Photon AX	Limagrain Cereal Seeds	83.1	60.4	13.0	34.5	19148
LCS Valiant	Limagrain Cereal Seeds	82.3	60.1	12.4	34.6	20602
AP Solid (NP 1300500 #49)	AgriPro-Syngenta	81.5	62.0	12.8	32.0	17913
NE16562	UNL-Experimental	80.8	57.3	12.5	36.5	18559
Panhandle	Husker Genetics	80.1	58.6	13.7	36.5	19883
Overland	Husker Genetics	79.6	60.3	12.4	32.7	19659
NHH17612	UNL-Experimental	78.7	60.1	13.4	33.7	20745
WB4483	WestBred	78.4	60.5	12.5	36.8	21097
Goodstreak	Husker Genetics	77.8	60.9	13.8	40.2	19209
NE17544	UNL-Experimental	76.7	59.2	12.6	35.1	18876
Pronghorn	Husker Genetics	76.6	61.5	13.2	35.3	17893
Scout 66	Check	68.9	60.6	12.8	38.2	18790
Turkey	Check	66.5	59.7	13.2	37.6	20658
	Standard Error	4.9	0.5	0.4	1.6	1141
	LSD³	8.1	0.9	0.7	2.7	1916
	Mean⁴	87.6	60.4	12.4	34.4	18871
	CV⁵	5.6	0.9	3.6	4.7	6.0
	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 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.

SITE INFORMATION

Collaborator: Jim Wyatt
Planting Date: September 14 2020
Seeding Rate: 900,000 seeds/acre
Harvest Date: July 20, 2021
Fertility: 50 lb 40 rock in furrow with coulters, 30 lb of N in spring
Herbicide/Fungicides: LV6 and Prowl H2O applied in spring
Soil Type: Bridget very fine sandy loam
GPS: 41.568503, -103.715577
Notes: Drilled into tilled wheat fallow with decent soil moisture at seeding depth, very good stand and yields despite dry fall conditions.

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