



UNIVERSITY of NEBRASKA  
LINCOLN

## Gosper County Rainfed 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Protein (%) <sup>2</sup>	Plant Height (in)	Seed Weight (seeds/lb)
MS Maverick	Meridian Seeds	55.0	55.6	14.3	29	16685
AP Bigfoot (10BC329-17-5)	AgriPro-Syngenta	51.7	55.5	13.6	29.5	22128
WB4401	WestBred	50.7	54.4	12.4	27	18566
NW15443	UNL-Experimental	50.5	53.5	13.3	33	16147
NHH17612	UNL-Experimental	50.5	56.3	13.9	32	20974
AP Roadrunner	AgriPro-Syngenta	50.3	51.7	14.2	30	22747
PSB13NEDH-14-83W	UNL-Experimental	49.3	54.4	13.3	33	18819
Overland	Husker Genetics	48.7	55.3	13.0	35	17452
Scout 66	Check	48.5	56.1	13.3	41	15949
NHH17450	UNL-Experimental	48.3	54.2	13.0	31	18166
CP7909	CROPLAN by WinfieldUnited	48.3	54.1	12.2	29	20404
NE12561 (Siege)	NuPride Genetics	47.8	56.8	13.4	29	17156
LCS Helix AX	Limagrain Cereal Seeds	47.7	54.4	12.7	28	19624
WB4699	WestBred	47.3	52.4	12.7	28	21838
LCS Link	Limagrain Cereal Seeds	45.7	54.0	13.5	31	17845
WB-Grainfield	WestBred	43.7	52.9	12.9	30	18464
SY Wolverine	AgriPro-Syngenta	42.4	51.7	12.8	24	19986
LCS Valiant	Limagrain Cereal Seeds	42.3	52.3	14.1	27	18074
Wesley	Husker Genetics	41.8	52.1	14.2	29	16604
Ruth	Husker Genetics	39.9	53.5	13.0	31	19902
WB4303	WestBred	39.5	50.2	14.0	26	18453
LCS Photon AX	Limagrain Cereal Seeds	39.3	53.9	14.1	30	20343
WB4269	WestBred	38.7	53.1	13.0	26	20446
NE16562	UNL-Experimental	37.8	52.3	12.7	32	19373
CP7017AX	CROPLAN by WinfieldUnited	37.8	52.4	13.1	28	20055
CP7010	CROPLAN by WinfieldUnited	37.4	55.3	14.3	25	20001
CP7050AX	CROPLAN by WinfieldUnited	36.0	53.2	13.6	28	20286
Turkey	Check	33.9	53.9	15.5	36	18340

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

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

<b>Freeman</b>	Husker Genetics	31.3	51.1	13.4	30.5	20101
	<b>Standard Error</b>	3.6	0.9	0.6	NA	1387
	<b>LSD<sup>3</sup></b>	6.0	1.5	1.0	NA	2369
	<b>Mean<sup>4</sup></b>	44.2	53.7	13.4	29.9	19135
	<b>CV<sup>5</sup></b>	8.2	1.7	4.4	NA	7.2
	<b>Reps</b>	4	4	2	1	2

## SITE INFORMATION

Collaborator: Todd Anderson, Arapahoe, NE  
 Planting Date: October 1, 2020  
 Seeding Rate: 1.2 million seeds/acre  
 Harvest Date: July 16, 2021  
 Fertility: 60 lb/a N, 5 lb/a S, & 1 pt/a N-Stat in early April  
 Herbicide/Fungicides: 12 oz/a 2,4-D LV6, 8 oz/a Detonate & 2 oz/a Mustang Maxx  
 Soil Type: Holdrege silt loam  
 GPS: 40.401473, -99.8959  
 Notes: Planted no-till into soybean residue; very dry conditions at planting led to poor fall emergence. Timely rains in spring led to increased tillering and moderate stand. Overall yields and performance better than anticipated.

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<sup>3</sup> For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

<sup>4</sup> Mean performance of all entries in the trial.

<sup>5</sup> 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.