



UNIVERSITY of NEBRASKA
LINCOLN

Banner County Rainfed 2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Height (in)	Protein (%) ²
Panhandle	Husker Genetics	63.5	54.3	34.8	16.4
WB4462	WestBred	63.3	56.9	33.0	14.9
NE15420	UNL-Experimental	63.1	55.9	28.2	15.2
NHH144913-3	UNL-Experimental	63.0	52.5	30.4	15.7
Langin	PlainsGold	62.8	55.0	28.0	14.2
WB4595	WestBred	62.7	59.1	30.0	13.8
Spur	AgriPro-Syngenta	62.4	55.1	28.5	15.1
AP18AX	AgriPro-Syngenta	61.8	55.5	29.4	13.9
CP7869	CROPLAN by Winfield United	61.6	55.2	28.8	15.0
SY Legend CL2	AgriPro-Syngenta	61.4	55.3	29.8	15.4
Wesley	Husker Genetics	60.9	54.0	29.0	16.0
Settler CL	NuPride Genetics	60.4	57.1	29.2	14.5
Breck	PlainsGold	60.2	56.4	29.4	15.5
Whistler	PlainsGold	60.1	54.7	31.2	14.6
CP7909	CROPLAN by Winfield United	59.7	56.8	29.6	14.7
WB4418	WestBred	59.6	56.2	29.0	15.2
CP7017AX	CROPLAN by Winfield United	59.6	55.7	29.0	14.5
LCS Link	Limagrain Cereal Seeds	59.3	54.8	30.2	15.0
WB-Grainfield	WestBred	59.1	56.0	32.8	15.0
CP7050AX	CROPLAN by Winfield United	59.1	58.8	29.8	15.1
CP7010	CROPLAN by Winfield United	58.9	58.2	29.2	14.2
LCS Valiant	Limagrain Cereal Seeds	58.7	55.5	30.2	15.1
SY Monument	AgriPro-Syngenta	58.6	54.9	30.4	15.0
SY Rugged	AgriPro-Syngenta	58.6	57.0	29.4	14.3
Canvas	PlainsGold	58.6	55.9	27.8	14.6
Ruth	Husker Genetics	58.5	55.7	30.2	15.1
SY Wolverine	AgriPro-Syngenta	57.6	57.0	29.2	15.2
Guardian	PlainsGold	57.2	55.6	29.8	15.6
NW15443	UNL-Experimental	56.4	56.4	32.2	15.1
Siege	NuPride Genetics	56.2	54.8	29.4	15.7
Long Branch	Dyna-Gro Seeds	55.4	54.8	29.6	14.4
Crescent AX	PlainsGold	55.0	56.5	30.0	13.6
Fortify SF	PlainsGold	54.5	56.4	30.8	14.2
SY 517CL2	AgriPro-Syngenta	54.2	55.6	27.4	15.4

¹ Yield values corrected to 12% moisture.

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

NE16562	UNL-Experimental	53.9	52.3	29.2	15.9
NE14696	UNL-Experimental	53.4	55.3	33.0	15.2
Robidoux	Husker Genetics	52.4	52.6	29.0	16.1
WB4792	WestBred	52.2	57.3	30.6	14.4
NW13493	UNL-Experimental	52.1	55.8	28.4	14.5
NE14691	UNL-Experimental	51.9	52.3	31.0	16.0
NE15624	UNL-Experimental	51.8	56.4	29.0	15.2
Freeman	Husker Genetics	49.7	53.3	28.4	15.0
NE15410	UNL-Experimental	48.6	54.8	29.6	15.1
Goodstreak	Husker Genetics	47.7	56.6	33.2	16.0
Pronghorn	Husker Genetics	43.1	57.4	35.0	15.3
NE14434	UNL-Experimental	43.1	53.0	29.2	14.9
Scout 66	Check	40.1	57.1	32.2	14.4
Turkey	Check	37.4	55.3	32.8	16.2
	Standard Error	2.7	0.6	1.2	0.4
	LSD³	4.4	1.1	2.0	0.8
	Mean⁴	56.2	55.6	30.1	15.0
	CV⁵	10.9	2.8	5.7	4.3
	Reps	5	5	5	2

SITE INFORMATION

Collaborator: Jim Wyatt; Harrisburg, NE
 Planting Date: September 18, 2019
 Seeding Rate: 800,000 seeds/acre
 Harvest Date: July 16, 2020
 Fertility: 15 lb P pre-plant; 30 lb N, 5 lb S topdress in spring
 Herbicide/Fungicides: 2,4-D and propiconazole in spring
 Soil Type: Briget silt loam
 GPS: 41.566797, -103.728659
 Notes: Conventional tillage in fallowed millet field. Good stand and performance. Lower effects from the harsh summer conditions in other parts of the Panhandle.
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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.