



UNIVERSITY of NEBRASKA
LINCOLN

Deuel County Rainfed 2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Height (in)	Protein (%) ²
Spur	AgriPro-Syngenta	42.7	51.0	27.5	13.0
CP7017AX	CROPLAN by Winfield United	42.6	56.1	28.3	12.5
Whistler	PlainsGold	41.7	53.0	29.3	12.9
SY Monument	AgriPro-Syngenta	40.7	55.2	28.3	12.7
NHH144913-3	UNL-Experimental	40.2	52.2	30.0	13.0
SY Rugged	AgriPro-Syngenta	39.9	55.4	27.3	12.4
WB4595	WestBred	39.9	56.4	27.3	12.4
WB4418	WestBred	39.7	57.3	27.0	12.9
SY Legend CL2	AgriPro-Syngenta	39.7	54.7	29.0	13.4
LCS Link	Limagrain Cereal Seeds	39.6	54.3	29.5	12.5
CP7869	CROPLAN by Winfield United	39.4	55.4	26.8	12.3
AP 18AX	AgriPro-Syngenta	39.0	56.4	27.0	12.4
Guardian	PlainsGold	38.4	57.7	28.0	13.0
NW15443	UNL-Experimental	38.0	56.0	30.0	12.6
Langin	PlainsGold	37.3	57.3	27.8	12.1
Crescent AX	PlainsGold	36.5	57.1	28.3	12.2
CP7050AX	CROPLAN by Winfield United	36.5	58.2	29.0	13.3
WB4462	WestBred	36.1	56.0	31.8	13.2
Settler CL	NuPride Genetics	36.1	55.0	27.8	13.4
Panhandle	Husker Genetics	36.0	55.9	29.5	14.2
CP7909	CROPLAN by Winfield United	35.9	57.5	26.0	12.1
WB-Grainfield	WestBred	35.7	55.1	30.5	13.0
Canvas	PlainsGold	35.7	56.9	26.5	12.8
Wesley	Husker Genetics	35.7	56.2	27.0	13.1
Breck	PlainsGold	35.5	56.6	27.0	13.5
Ruth	Husker Genetics	35.1	54.7	28.0	13.4
CP7010	CROPLAN by Winfield United	34.9	57.9	26.8	13.3
Long Branch	Dyna-Gro Seeds	34.1	55.8	25.5	12.3
NE14691	UNL-Experimental	33.5	53.4	28.8	13.3
Fortify SF	PlainsGold	33.0	55.3	28.0	12.9
Siege	NuPride Genetics	33.0	56.2	27.0	13.0
SY Wolverine	AgriPro-Syngenta	32.8	57.8	27.0	13.1
WB4792	WestBred	32.4	54.5	24.0	13.1
NE15624	UNL-Experimental	32.1	55.4	25.8	13.7

¹ Yield values corrected to 12% moisture.

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

SY 517CL2	AgriPro-Syngenta	32.1	56.2	27.0	13.6
NE15420	UNL-Experimental	32.0	56.1	26.3	13.7
Robidoux	Husker Genetics	31.4	53.1	28.8	13.7
LCS Valiant	Limagrain Cereal Seeds	30.5	55.4	26.8	13.5
NE14696	UNL-Experimental	30.1	56.3	28.8	13.3
NE16562	UNL-Experimental	29.9	55.2	27.3	13.4
Freeman	Husker Genetics	29.6	53.5	26.8	13.2
NW13493	UNL-Experimental	26.8	54.9	27.5	13.1
Pronghorn	Husker Genetics	26.8	56.7	34.0	13.7
Goodstreak	Husker Genetics	25.8	55.4	30.0	14.6
Scout 66	Check	25.7	56.7	29.5	12.9
NE15410	UNL-Experimental	22.8	54.3	27.5	13.5
Turkey	Check	22.2	54.8	30.0	13.7
NE14434	UNL-Experimental	20.5	54.5	26.3	13.9
	Standard Error	3.6	0.9	1.4	0.4
	LSD³	5.9	1.4	2.3	0.7
	Mean⁴	34.3	55.6	28.0	13.1
	CV⁵	15.6	2.7	6.1	4.1
	Reps	4	4	4	4

SITE INFORMATION

Collaborator: Larry Flohr; Chappell, NE
 Planting Date: September 19, 2019
 Seeding Rate: 800,000 seeds/acre
 Harvest Date: July 13, 2020
 Fertility: 40 lb 28-0-0=5 in March followed by 20 lb 32-0-0 with herbicide application
 Herbicide/Fungicides: Olympus in mid-spring
 Soil Type: Johnstown-Satanta-Richfield loams
 GPS: 41.174807, -102.247171
 Notes: Conventional tillage in a wheat-fallow rotation. Late spring frosts inhibited tillering and led to some freeze damage. Reports of wheat stem sawfly in the area with moderate pressure.

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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.