



UNIVERSITY of NEBRASKA
LINCOLN

Lincoln County Rainfed 2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Height (in)	Protein (%) ²
SY Rugged	AgriPro-Syngenta	50.4	54.9	30.3	10.4
CP7869	CROPLAN by Winfield United	50.1	55.9	29.0	10.7
WB4595	WestBred	49.3	57.2	30.3	10.7
NW15443	UNL-Experimental	48.3	54.8	31.8	11.1
LCS Link	Limagrain Cereal Seeds	47.5	54.7	30.3	10.8
SY Monument	AgriPro-Syngenta	47.5	54.2	30.0	11.3
NHH144913-3	UNL-Experimental	47.1	52.7	30.3	11.5
LCS Chrome	Limagrain Cereal Seeds	46.6	55.9	29.5	12.3
Settler CL	NuPride Genetics	45.4	55.1	29.3	11.5
KS Dallas	Kansas Wheat Alliance	45.3	55.3	29.0	11.2
LCS Valiant	Limagrain Cereal Seeds	44.2	54.7	29.0	10.9
SY Legend CL2	AgriPro-Syngenta	43.9	54.2	27.8	12.2
CP7050AX	CROPLAN by Winfield United	43.4	54.9	28.8	11.7
Tatanka	Kansas Wheat Alliance	43.3	53.9	27.8	10.4
Ruth	Husker Genetics	43.3	52.4	28.5	11.6
SY Wolverine	AgriPro-Syngenta	43.1	54.3	28.5	12.0
WB4418	WestBred	43.0	55.1	27.5	11.7
Wesley	Husker Genetics	42.8	55.9	28.3	11.5
SY 517 CL2	AgriPro-Syngenta	42.8	54.2	28.5	11.9
Freeman	Husker Genetics	42.7	54.5	29.5	10.9
Canvas	PlainsGold	42.7	55.2	28.3	11.9
AP18AX	AgriPro-Syngenta	42.6	53.7	30.0	11.5
WB4462	WestBred	42.6	54.1	29.5	12.3
CP7010	CROPLAN by Winfield United	42.3	58.4	29.3	NA
SY Sunrise	AgriPro-Syngenta	42.3	54.4	27.8	11.3
Robidoux	Husker Genetics	42.0	52.9	30.3	12.6
NE14434	UNL-Experimental	41.8	53.5	30.3	11.8
NE15624	UNL-Experimental	41.5	54.7	27.3	11.8
Crescent AX	PlainsGold	39.6	54.4	30.5	11.7
NW13493	UNL-Experimental	39.5	54.3	28.8	11.9
WB4792	WestBred	39.5	55.7	29.8	10.9
CP7909	CROPLAN by Winfield United	38.6	54.4	28.5	11.2
WB-Grainfield	WestBred	37.4	55.9	29.3	11.1
KS Western Star	Kansas Wheat Alliance	36.7	55.8	27.5	11.5
Siege	NuPride Genetics	36.5	55.1	28.3	12.2
Long Branch	Dyna-Gro Seeds	36.4	53.6	28.3	12.0
NE15410	UNL-Experimental	36.2	54.5	28.8	11.6
CP7017AX	CROPLAN by Winfield United	36.0	53.4	26.8	11.6

¹ Yield values corrected to 12% moisture.

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

NE14691	UNL-Experimental	35.5	55.3	29.3	11.8
NE16562	UNL-Experimental	35.1	53.5	28.5	12.8
Goodstreak	Husker Genetics	35.0	52.7	34.3	12.7
Scout 66	Check	32.5	53.9	33.0	12.1
Turkey	Check	31.4	52.7	33.8	12.7
	Standard Error	3.1	1.2	1.3	0.5
	LSD³	5.1	2.0	2.3	0.9
	Mean⁴	41.7	54.6	29.3	11.6
	CV⁵	11.1	2.2	5.3	5.3
	Reps	4	4	4	2

SITE INFORMATION

Collaborator: Gary Mahnken, WCREC Dryland Farm, North Platte, NE
 Planting Date: September 20, 2019
 Seeding Rate: 900,000 seeds/acre
 Harvest Date: July 13, 2020
 Fertility: 80 lb N at tillering
 Herbicide/Fungicides: Prowl H2O (1.75 pt/acre)
 Soil Type: Holdrege silt loam
 GPS: 41.053922, -100.749955
 Notes: Planted into no-till wheat stubble. Slight pressure from volunteer wheat. Missing data for protein for CP7010.
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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.