



UNIVERSITY of NEBRASKA
LINCOLN

Cheyenne County Rainfed 2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Height (in)	Protein (%) ²
Spur	AgriPro-Syngenta	38.6	53.2	24.8	14.2
Fortify SF	PlainsGold	35.1	57.1	24.8	13.8
WB4792	WestBred	34.7	51.1	23.8	14.0
Whistler	PlainsGold	33.9	53.0	26.0	14.3
WB4595	WestBred	33.3	57.0	24.5	13.3
Wesley	Husker Genetics	32.9	55.7	24.5	14.8
NE14434	UNL-Experimental	32.5	52.8	25.3	14.6
Canvas	PlainsGold	32.4	55.6	23.5	13.8
NE15420	UNL-Experimental	32.0	53.9	23.0	14.6
NE14696	UNL-Experimental	31.8	54.7	24.5	15.1
CP7869	CROPLAN by Winfield	31.5	55.7	24.0	13.5
NW15443	UNL-Experimental	30.3	53.3	25.8	14.3
Settler CL	NuPride Genetics	30.3	56.1	25.2	14.5
NW13493	UNL-Experimental	30.2	54.8	25.3	14.4
CP7010	CROPLAN by Winfield	30.1	57.5	23.8	13.4
WB4462	WestBred	29.6	55.1	26.3	13.6
Breck	PlainsGold	29.1	56.7	23.5	13.7
Robidoux	Husker Genetics	28.9	54.9	25.0	14.6
CP7017AX	CROPLAN by Winfield	28.9	55.0	22.8	13.9
Ruth	Husker Genetics	28.3	55.7	24.3	14.8
WB4418	WestBred	27.8	54.6	23.8	13.3
NE15624	UNL-Experimental	27.7	55.0	22.0	15.1
WB-Grainfield	WestBred	27.7	55.0	24.8	13.9
LCS Link	Limagrain Cereal Seeds	27.1	55.8	24.5	14.3
Langin	PlainsGold	27.0	55.0	22.8	13.9
CP7050AX	CROPLAN by Winfield	26.7	57.1	22.8	14.8
NE16562	UNL-Experimental	26.6	52.0	22.8	14.7
Goodstreak	Husker Genetics	26.2	55.5	28.0	14.9
NE15410	UNL-Experimental	26.2	54.5	26.0	14.5
SY Monument	AgriPro-Syngenta	26.1	53.9	22.0	14.4
NHH144913-3	UNL-Experimental	26.0	52.1	24.0	14.7
Siege	NuPride Genetics	25.7	55.4	24.3	15.2
Long Branch	Dyna-Gro Seed	25.5	55.0	22.5	14.1
LCS Valiant	Limagrain Cereal Seeds	25.4	54.2	22.8	15.2

¹ Yield values corrected to 12% moisture.

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

SY 517CL2	AgriPro-Syngenta	25.3	56.2	23.8	14.8
SY Legend CL2	AgriPro-Syngenta	25.3	55.1	24.3	14.8
AP 18AX	AgriPro-Syngenta	24.5	54.5	24.8	13.5
NE14691	UNL-Experimental	24.4	49.6	25.8	15.2
SY Rugged	AgriPro-Syngenta	24.4	55.8	23.5	13.4
Freeman	Husker Genetics	24.3	53.4	22.5	14.6
Pronghorn	Husker Genetics	24.2	56.9	27.3	14.6
SY Wolverine	AgriPro-Syngenta	24.1	55.5	22.5	14.7
Panhandle	Husker Genetics	23.1	54.2	28.0	16.0
Turkey	Check	23.0	54.6	26.8	15.7
Crescent AX	PlainsGold	22.9	55.7	23.0	13.9
Guardian	PlainsGold	22.0	55.9	23.8	14.9
Scout 66	Check	19.9	54.7	29.3	14.0
CP7909	CROPLAN by Winfield	18.9	55.1	21.8	13.5
	Standard Error	3.7	1.1	1.4	0.3
	LSD³	6.2	1.7	2.3	0.6
	Mean⁴	27.8	54.8	24.4	14.4
	CV⁵	14.6	2.8	6.8	4.5
	Reps	4	4	4	2

SITE INFORMATION

Collaborator: UNL High Plains Agricultural Lab; Sidney, NE
 Planting Date: September 21, 2019
 Seeding Rate: 800,000 seeds/acre
 Harvest Date: July 24, 2020
 Fertility: 70 lb/A N as 32-0-0 preplant; 10 lb/A N as 32-0-0 with LV-6 application
 Herbicide/Fungicides: RoundUp and LV-6 preplant burndown; LV-6 and Prowl H2O in spring
 Soil Type: Alliance loam
 GPS: 41.23594, -103.002158
 Notes: No-till following fallowed corn (corn in 2018). Strong wheat stem sawfly pressure and late spring freeze damage. Low rainfall and high heat during flowering and grainfill.

Do not reprint without permission. Contacts: [Amanda Easterly](#) or [Cody Creech](#)

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.