



UNIVERSITY of NEBRASKA
LINCOLN

Chase County Irrigated 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Seed Weight (seeds/lb)
SY Wolverine	AgriPro-Syngenta	79.2	61.1	13.0	14185
WB4595	WestBred	75.7	63.3	12.1	14745
WB4792	WestBred	73.3	61.6	12.3	15111
WB4303	WestBred	72.8	58.6	13.2	14065
CP7909	CROPLAN by Winfield	71.9	61.1	12.7	14478
Robidoux	Husker Genetics	71.8	61.0	12.9	14279
CP7017AX	CROPLAN by Winfield	70.9	61.1	12.5	15398
Epoch (NE15420)	UNL Experimental	70.9	61.0	13.4	14464
LCS Valiant	Limagrain Cereal Seeds	70.3	61.9	13.1	13915
NHH17612	UNL Experimental	70.0	61.8	13.3	16047
WB4309	WestBred	69.7	60.9	14.3	16453
WB4418	WestBred	69.3	61.3	13.2	16175
Canvas	PlainsGold	68.8	62.1	13.3	15790
CP7010	CROPLAN by Winfield	68.4	63.4	12.7	14789
NE17441	UNL Experimental	68.3	61.0	13.2	14064
CP7050AX	CROPLAN by Winfield	63.8	62.3	14.7	15026
NHH17450	UNL Experimental	63.7	61.3	13.5	15033
Wesley	Husker Genetics	62.9	61.1	14.6	14012
Scout 66	Check	62.5	59.7	14.4	14474
Turkey	Check	59.7	61.1	14.5	15181
	Standard Error	2.5	0.5	0.2	373
	LSD³	4.3	0.8	0.4	649
	Mean⁴	69.2	61.3	13.3	14884
	CV⁵	3.7	0.7	1.8	2.5
	Reps	4	4	2	2

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

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

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.

SITE INFORMATION

Collaborator: Brian Yurtzy; Southwest Seed Research
Planting Date: October 2, 2020
Seeding Rate: 1.25 million seeds/acre
Harvest Date: July 15, 2021
Fertility:
Herbicide/Fungicides:
Soil Type: Goshen silt loam
GPS: 40.484946, -101.58996746
Notes: Planted into minimum-tilled soybean residue; lower than expected yields. Use multi-year averages to guide variety selection.

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