



UNIVERSITY of NEBRASKA
LINCOLN

Box Butte County Irrigated 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Seed Weight (seeds/lb)
NE17441	UNL Experimental	152.8	60.5	12.2	15643
LCS Valiant	Limagrain Cereal Seeds	150.5	62.3	11.5	15237
CP7909	CROPLAN by Winfield	145.5	61.3	10.8	15248
WB4303	WestBred	144.7	60.9	11.3	14953
WB4595	WestBred	144.4	62.0	11.0	15831
CP7017AX	CROPLAN by Winfield	143.1	62.3	11.6	17356
WB4309	WestBred	142.3	60.0	13.1	17197
SY Wolverine	AgriPro-Syngenta	140.8	62.4	11.5	14464
WB4792	WestBred	139.5	60.8	10.6	17064
NHH17450	UNL Experimental	138.5	61.6	11.7	15925
NHH17612	UNL Experimental	136.2	61.8	11.7	17743
Canvas	PlainsGold	135.6	62.1	10.9	17701
Wesley	Husker Genetics	135.4	61.1	12.0	14989
CP7050AX	CROPLAN by Winfield	134.6	61.9	13.1	16500
WB4418	WestBred	133.3	59.1	12.0	17578
Epoch (NE15420)	UNL Experimental	132.6	60.1	12.0	17073
CP7010	CROPLAN by Winfield	131.5	60.1	11.8	18443
Robidoux	Husker Genetics	124.6	59.9	13.3	19947
Scout 66	Check	107.8	61.5	12.9	14589
Turkey	Check	103.4	60.3	14.7	16760
	Standard Error	4.2	0.7	0.5	1409
	LSD³	7.0	1.2	0.8	2436
	Mean⁴	135.9	61.1	12.0	16512
	CV⁵	3.1	1.2	4.0	8.5
	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: Tom Cullan; Cullan Seed Farm
Planting Date: September 23 2020
Seeding Rate: 1.25 million seeds/acre
Harvest Date: July 22, 2021
Fertility: 65 lb/a 40Rock at planting in-furrow; 30lb N and 10 lb S applied in spring
Herbicide/Fungicides: Prowl H2O; Powerflex; LV6 applied in spring; Nexicor fungicide
Soil Type: Rosebud Loam
GPS: 42.292967, --103.028733
Notes: Planted into disked dry bean residue after bean harvest, excellent stand and yields.

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