



UNIVERSITY of NEBRASKA
LINCOLN

Lancaster County Rainfed 2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Plant Height (in)	Seed Weight (seeds/lb)
WB4699	WestBred	85.6	55.0	12.9	35.5	22415
LCS Valiant	Limagrain Cereal Seeds	78.1	56.6	13.6	40.0	16640
WB4303	WestBred	78.0	54.0	13.8	38.3	17963
WB4401	WestBred	77.7	54.7	12.2	39.8	14274
NHH17612	UNL-Experimental	77.6	57.1	13.4	41.0	19296
WB4269	WestBred	77.4	56.0	12.5	36.5	18391
NE12561 (Siege)	NuPride Genetics	74.6	57.5	13.7	41.8	14665
Ruth	Husker Genetics	68.2	57.9	12.8	43.5	18554
Overland	Husker Genetics	66.5	54.3	13.1	43.0	19328
NW15443	UNL-Experimental	65.0	55.6	13.1	45.8	16485
NE16562	UNL-Experimental	63.1	52.2	12.8	42.5	20169
NHH17450	UNL-Experimental	62.7	56.1	13.6	43.3	17875
NE17441	UNL-Experimental	61.6	51.4	13.3	40.5	21590
Freeman	Husker Genetics	60.0	51.2	13.6	41.8	21017
WB-Grainfield	WestBred	59.2	54.2	12.4	43.0	21019
NE17544	UNL-Experimental	55.8	54.9	13.6	47.0	19278
PSB13NEDH-14-83W	UNL-Experimental	55.1	53.7	13.1	44.5	19991
Wesley	Husker Genetics	54.7	51.5	13.8	38.0	20387
Scout 66	Check	49.0	55.7	14.3	49.5	16319
Turkey	Check	45.3	52.9	14.5	50.0	18087
	Standard Error	6.4	1.1	0.3	1.0	637
	LSD³	10.8	1.8	0.6	1.7	1102
	Mean⁴	65.8	54.6	13.3	42.3	18687
	CV⁵	9.8	2.0	2.5	2.3	3.4
	Reps	4	4	2	4	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: Jenny Stebbing/TJ McAndrew; UNL Havelock Farm
Planting Date: September 23, 2020
Seeding Rate: 1.35 million seeds/acre
Harvest Date: July 2, 2021
Fertility: 80 lb/a N on Sept 15, 2020 & 70 lb/a N on April 5, 2021
Herbicide/Fungicides: Finesse 3 oz/a preplant; 2,4-D + Prowl H2O on April 5
Soil Type: Crete & Aksarben silty clay loam
GPS: 40.853310, -96.609897
Notes: Planted into disked oat stubble at 1.5-2" with good soil moisture. High winds and storms in June caused widespread lodging of all varieties.

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