UNIVERSITY of NEBRASKA
LINCOLN

Lancaster County Rainfed
2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac)[1]	Test Weight (lb/bu)	Height (in)	Protein (%)[2]
Ruth	Husker Genetics	99.2	58.7	39.8	13.1
WB4699	WestBred	98.9	57.5	32.5	12.0
NE14434	UNL-Experimental	91.3	57.3	39.0	12.7
Siege	NuPride Genetics	88.8	59.8	37.8	14.1
NE15624	UNL-Experimental	88.5	57.6	36.0	13.6
NHH144913-3	UNL-Experimental	87.9	54.5	37.3	13.8
Zenda	Kansas Wheat Alliance	87.5	59.0	38.0	13.5
CP7869	CROPLAN by Winfield United	87.3	58.1	36.0	12.9
NW13493	UNL-Experimental	87.2	59.5	38.8	13.2
CP7010	CROPLAN by Winfield United	86.7	60.6	33.8	12.8
Wesley	Husker Genetics	86.1	57.9	36.5	13.9
NE16562	UNL-Experimental	85.9	55.9	36.0	13.3
AM Cartwright	AgriMaxx Wheat Company	85.8	57.3	36.8	13.8
CP7017AX	CROPLAN by Winfield United	83.2	57.8	34.5	12.7
Long Branch	Dyna-Gro Seed	82.7	57.3	37.3	13.1
LCS Valiant	Limagrain Cereal Seeds	82.6	58.6	35.8	15.0
WB4269	WestBred	80.5	56.3	32.8	12.9
WB4303	WestBred	79.5	55.1	34.5	13.8
CP7050AX	CROPLAN by Winfield United	79.4	58.9	35.3	15.0
Freeman	Husker Genetics	78.4	56.1	37.3	13.5
CP7909	CROPLAN by Winfield United	78.0	58.0	34.5	13.3
Turkey	Check	55.2	57.0	45.8	15.2
Scout 66	Check	43.0	56.4	43.7	15.3
	Standard Error	4.0	0.6	0.7	0.3
	LSD[3]	6.7	1.0	1.1	0.5
	Mean[4]	82.8	57.6	36.9	13.6
	CV[5]	14.3	2.5	8.2	6.2
	Reps	4	4	4	2

[1] Yield values corrected to 12% moisure.
[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:	UNL Havelock Research Farm; Lincoln, NE
Planting Date:	September 26, 2019
Seeding Rate:	1,350,000 seeds/acre
Harvest Date:	July 10, 2020
Fertility:	70 lbs N applied preplant and 80 lbs of N with liquid 28% applied in spring.
Herbicide/Fungicides:	Finesse + NIS applied preplant and 2 pt/ac Prowl H2O + 1pt/ac 2,4-D applied in spring
Soil Type:	Crete and Butler silt loam
GPS:	40.85371196, -96.60850998
Notes:	High lodging incidence leading to variability in yields. Disked after oats in 2019.