UNIVERSITY of NEBRASKA
LINCOLN

Saunders County Rainfed with Intensive Management
2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac)[1]	Test Weight (lb/bu)	Height (in)	Protein (%)[2]
Ruth	Husker Genetics	85.8	61.4	37.8	13.6
WB4699	WestBred	83.6	60.6	30.8	12.0
NW13493	UNL-Experimental	80.1	62.3	35.8	13.9
Wesley	Husker Genetics	78.8	60.8	35.8	14.6
CP7017AX	CROPLAN by Winfield United	77.0	60.1	32.8	13.3
WB4269	WestBred	76.8	60.4	32.8	13.0
WB4303	WestBred	76.3	58.0	32.5	14.5
NHH144913-3	UNL-Experimental	75.3	57.3	35.5	14.2
CP7869	CROPLAN by Winfield United	75.1	61.5	34.0	13.0
AM Cartwright	AgriMaxx Wheat Company	73.6	59.9	34.5	14.4
NE15624	UNL-Experimental	73.0	60.8	33.3	14.2
Long Branch	Dyna-Gro Seeds	72.2	59.5	34.3	13.2
Zenda	Kansas Wheat Alliance	71.9	61.4	35.8	14.3
LCS Valiant	Limagrain Cereal Seeds	71.1	61.2	33.5	14.9
CP7010	CROPLAN by Winfield United	71.1	63.0	32.0	13.5
Siege	NuPride Genetics	69.9	62.1	34.3	14.4
CP7909	CROPLAN by Winfield United	69.3	60.3	34.3	13.8
Freeman	Husker Genetics	68.4	59.0	35.3	13.8
NE14434	UNL-Experimental	66.4	59.7	37.0	13.6
NE16562	UNL-Experimental	66.1	59.0	33.8	14.1
CP7050AX	CROPLAN by Winfield United	65.4	60.9	33.0	15.2
Turkey	Check	52.4	59.7	44.3	15.6
Scout 66	Check	51.7	59.7	42.8	14.8
	Standard Error	2.8	0.3	0.7	0.3
	LSD[3]	4.7	0.6	1.1	0.5
	Mean[4]	71.8	60.4	35.0	14.0
	CV[5]	11.1	2.2	8.8	5.6
	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 Eastern Nebraska Research and Extension Center; Ithaca, NE
Planting Date:	September 26, 2019
Seeding Rate:	1,350,000 seeds/acre
Harvest Date:	July 13, 2020
Fertility:	40 lb/ac N as 46-0-0 applied at greenup and 80 lb/ac N applied at Feekes 5.
Herbicide/Fungicides:	1/3 oz/a Finesse applied in Sept, 2 pt/a Prowl H2O + 0.5 pt/a 2,4-D in April, 8 oz/ac Prosaro applied June 5th
Soil Type:	Filbert & Tomek silt loam
GPS:	41.16570554, -96.40684466
Notes:	Field disked after oat crop in 2019. This is a trial planted in conjunction with traditionally managed trial at Saunders County to evaluate benefits of intensive fertility and use of fungicide on variety performance. Future plans include cost/benefit analysis as well.