



UNIVERSITY of NEBRASKA
LINCOLN

Washington County Rainfed 2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Height (in)	Protein (%) ²
Long Branch	Dyna-Gro Seed	86.2	60.7	28.5	11.8
CP7869	CROPLAN by Winfield United	85.2	61.9	28.5	12.1
Wesley	Husker Genetics	81.6	61.7	29.8	12.6
CP7017AX	CROPLAN by Winfield United	81.3	61.6	28.0	12.0
NE14434	UNL-Experimental	80.6	60.0	31.3	11.5
NHH144913-3	UNL-Experimental	80.2	59.9	29.8	12.5
WB4401	WestBred	79.5	60.9	27.5	10.8
Ruth	Husker Genetics	78.2	61.6	31.8	12.2
Freeman	Husker Genetics	77.3	60.7	29.5	12.0
CP7909	CROPLAN by Winfield United	76.1	62.3	27.8	12.1
NW13493	UNL-Experimental	74.5	62.9	30.0	12.3
LCS Valiant	Limagrain Cereal Seeds	74.2	62.1	27.3	12.3
WB4303	WestBred	74.1	59.1	26.8	12.9
NE16562	UNL-Experimental	73.1	61.0	27.8	11.8
WB4269	WestBred	71.6	61.0	26.5	12.2
Siege	NuPride Genetics	71.5	63.2	29.3	13.2
NE15624	UNL-Experimental	70.9	62.3	27.0	12.1
CP7010	CROPLAN by Winfield United	68.1	62.7	27.8	13.1
AM Cartwright	AgriMaxx Wheat Company	67.8	61.0	29.0	13.6
CP7050AX	CROPLAN by Winfield United	66.5	62.3	27.0	13.3
Scout 66	Check	65.8	61.2	37.0	13.3
Zenda	Kansas Wheat Alliance	64.6	62.1	29.0	12.9
Turkey	Check	64.4	61.3	38.0	13.6
WB4699	WestBred	58.0	59.7	25.5	11.5
	Standard Error	3.4	0.5	0.7	0.3
	LSD³	5.7	0.8	1.1	0.6
	Mean⁴	73.8	61.4	29.2	12.4
	CV⁵	9.5	1.7	10.0	5.6
	Reps	4	4	4	2

¹ Yield values corrected to 12% moisture.

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: Aaron Ruwe; Herman, NE
Planting Date: October 16, 2019
Seeding Rate; 1,350,000 seeds/acre
Harvest Date: July 14, 2020
Fertility: 200 lbs of 46-0-0 urea, 40 lbs of 21-0-0-24S (AMS) and 40 lbs of 0-0-60 Potash on April 7th
Herbicide/Fungicides: Miravis Ace flown on with a helicopter on June 4th
Soil Type: Alcester silty clay loam
GPS: 41.655140, -96.348616
Notes: No-till following soybeans.

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