



UNIVERSITY of NEBRASKA
LINCOLN

Harlan County Rainfed 2020 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Height (in)	Protein (%) ²	Kernel Weight (1000 seeds/lb)
WB4699	WestBred	93.9	58.5	26.5	12.3	21.4
WB-Grainfield	WestBred	90.2	61.0	33.0	12.3	15.0
LCS Link	Limagrain Cereal Seeds	77.7	61.2	31.0	13.9	14.6
LCS Chrome	Limagrain Cereal Seeds	77.4	59.1	34.0	14.1	19.8
NW15443	UNL-Experimental	76.9	58.5	32.0	13.8	14.0
WB4269	WestBred	76.6	60.3	26.5	12.5	16.7
NW13493	UNL-Experimental	76.1	58.1	30.0	13.7	17.6
NHH144913-3	UNL-Experimental	75.6	55.6	33.0	13.8	17.6
SY Monument	AgriPro-Syngenta	75.5	58.9	31.0	13.0	16.4
AM Cartwright	AgriMaxx Wheat Company	74.1	58.8	30.0	13.9	15.1
CP7869	CROPLAN by Winfield United	73.0	60.7	29.0	12.9	14.9
Zenda	Kansas Wheat Alliance	72.1	60.7	31.5	13.5	16.3
Wesley	Husker Genetics	71.7	58.5	31.0	14.3	14.9
SY Benefit	AgriPro-Syngenta	68.3	59.8	32.0	13.4	15.5
NE14434	UNL-Experimental	67.4	56.5	31.0	13.9	16.9
Ruth	Husker Genetics	66.8	60.6	29.5	13.4	16.1
LCS Valiant	Limagrain Cereal Seeds	65.6	59.0	28.5	15.2	17.2
Long Branch	Dyna-Gro Seed	65.3	58.1	28.0	13.3	17.2
WB4792	WestBred	64.0	54.9	29.5	13.4	17.7
KS Western Star	Kansas Wheat Alliance	62.3	58.2	28.0	13.6	16.1
CP7017AX	CROPLAN by Winfield United	61.7	58.8	27.0	13.5	17.5
WB4595	WestBred	61.2	59.9	31.0	13.2	16.9
NE15624	UNL-Experimental	60.4	58.3	28.0	14.4	18.3
Siege	NuPride Genetics	60.2	59.9	30.0	13.9	16.3
Freeman	Husker Genetics	59.4	55.8	29.0	13.9	17.8
NE16562	UNL-Experimental	59.0	57.2	30.0	14.1	17.8
WB4303	WestBred	58.6	56.7	28.0	14.8	16.8
Turkey	Check	55.1	58.6	39.0	15.1	17.0
CP7050AX	CROPLAN by Winfield United	54.7	59.1	28.0	14.6	17.6
SY Wolverine	AgriPro-Syngenta	51.8	57.7	27.0	15.0	16.8
CP7010	CROPLAN by Winfield United	50.6	57.1	29.0	13.7	18.2
CP7909	CROPLAN by Winfield United	40.0	57.7	25.0	14.2	18.7
Scout 66	Check	37.8	56.7	36.5	14.3	16.4

¹ Yield values corrected to 12% moisture.

² Protein corrected to 14% moisture, the correction factor used in analytical standards.

	Standard Error	3.5	0.8	NA	0.3	0.8
	LSD³	5.9	1.3	NA	0.5	1.4
	Mean⁴	66.1	58.5	30.1	13.8	16.9
	CV⁵	18.2	2.7	9.4	5.2	8.8
	Reps	4	4	1 ⁶	2	2

SITE INFORMATION

Collaborator: Terry Woollen
 Planting Date: September 23, 2019
 Seeding Rate: 1,000,000 seeds/acre
 Harvest Date: July 8, 2020
 Fertility: 30-0-20-5-0.5 lb/acre in the fall and 70 lb/a N + 10 lb/a Zn in spring
 Herbicide/Fungicides: 12 oz/ac 2,4-D amine & 0.50 oz/ac Aim
 Soil Type: Holdrege silt loam
 GPS: 40.132412, -99.380689
 Notes: No-till following fallowed corn stalks.

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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.

⁶ Only one rep of plant height data was collected at this location.