



UNIVERSITY of NEBRASKA
LINCOLN

Clay County Rainfed 2019 Winter Wheat Variety Trial

Name	Source/ Brand	Means				
		Yield (bu/ac) ^a	Protein (%)	Test Weight (lbs/bu)	Height (in)	1000 Kernel Weight (grams)
WB4699	WestBred	87.6	11.5	55.6	30.5	34.2
NE14434	UNL-Experimental	84.2	11.8	54.8	37.0	37.1
NHH144913-3	UNL-Experimental	78.7	13.0	52.3	35.8	34.4
WB4462	WestBred	78.1	12.9	56.6	36.8	43.9
LCS Revere	Limagrain Cereal Seeds	76.4	12.5	56.3	33.5	39.8
WB4595 (XB4520)	WestBred	75.7	12.7	56.7	33.5	38.3
NW15443	UNL-Experimental	75.1	12.2	55.9	34.8	43.4
WB-Grainfield	WestBred	75.0	12.1	54.4	34.5	36.9
WB4792	WestBred	74.5	12.7	55.6	33.3	37.8
Overland	Husker Genetics	74.3	13.2	56.1	38.3	39.0
Freeman	Husker Genetics	74.3	12.0	53.4	35.5	35.4
LCS Valiant	Limagrain Cereal Seeds	73.6	13.6	56.0	34.0	38.6
Long Branch	Dyna-Gro	71.3	13.2	53.2	32.3	37.9
WB4269	WestBred	71.2	12.3	55.0	29.5	36.0
Ruth	Husker Genetics	69.7	12.3	54.0	36.5	34.7
WB4418	WestBred	68.3	13.6	55.8	32.8	33.3
NE12561 (Siege)	UNL-Experimental	68.3	13.1	56.6	35.5	38.9
AM Eastwood	AgriMAXX	67.7	12.4	52.1	31.0	35.3
Zenda	KSU	67.5	12.1	58.1	35.5	40.2
NW13493	UNL-Experimental	64.2	13.5	55.2	34.8	38.0
Canvas	PlainsGold	63.9	12.5	54.8	33.3	34.7
Mattern	USDA	63.9	13.3	53.5	36.0	38.4
Matterhorn	USDA	58.1	13.4	55.7	35.8	38.6
Turkey	Check	56.7	14.4	56.0	41.0	38.2
Scout 66	Check	49.7	13.9	56.0	40.5	40.6
	Standard Error	3.8	0.2	0.8	0.9	0.7
	LSD ^b	10.6	0.5	1.2	2.7	1.9
	Mean ^c	70.9	12.8	55.1	34.9	37.7
	CV ^d	14.8	6.0	3.0	9.1	7.7

^aWheat yields were adjusted to 12% moisture.

^bFor differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 95%.

^cMean value of all plots in the trial

^dCoefficient of Variation (CV) indicates the quality of a trial; a number lower than 15 indicates a high quality trial.

SITE INFORMATION

Collaborator: UNL-SCREC, Harvard

GPS Coordinates: 40.573333, -98.129367

Planting Date: 9/26/18

Harvest Date: 7/16/19

Soil Type: Crete silt loam

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