



UNIVERSITY of NEBRASKA
LINCOLN

Washington 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)
WB-Grainfield	WestBred	122.9	12.6	60.6	37.7	39.2
NE14434	UNL-Experimental	119.0	11.5	59.4	39.5	41.2
LCS Valiant	Limagrain Cereal Seeds	117.1	13.7	61.1	34.5	41.1
WB4699	WestBred	116.0	12.0	59.0	32.0	34.7
WB4303	WestBred	115.4	14.4	56.7	31.9	38.5
NHH144913-3	UNL-Experimental	114.9	13.6	55.4	35.9	38.2
Overland	Husker Genetics	114.3	12.7	60.8	40.1	41.4
Mattern	USDA	114.0	14.1	58.9	40.7	42.9
Ruth	Husker Genetics	113.5	12.4	60.6	38.1	39.6
Long Branch	Dyna-Gro	111.0	13.3	58.4	37.2	40.7
NE14538	UNL-Experimental	110.7	12.6	59.6	38.4	42.4
NE12561 (Siege)	UNL-Experimental	109.5	13.2	63.1	37.9	42.6
NW13493	UNL-Experimental	109.3	13.4	61.0	38.1	38.8
Freeman	Husker Genetics	109.2	12.9	57.8	37.3	39.4
Matterhorn	USDA	109.1	13.5	58.3	40.0	39.6
SY Wolf	AgriPro	106.8	14.4	59.3	34.7	40.6
Zenda	KSU	106.8	12.5	62.5	36.3	41.5
WB4269	WestBred	102.9	12.8	60.7	30.7	38.1
SY Benefit	AgriPro	102.4	13.1	61.9	36.5	43.6
SY Monument	AgriPro	101.7	14.0	57.6	35.3	38.3
AM Eastwood	AgriMAXX	94.1	13.4	58.1	32.1	35.8
WB4418	WestBred	86.2	14.1	57.4	32.0	35.2
Scout 66	Check	71.4	14.6	61.0	47.7	43.8
Turkey	Check	69.5	14.6	59.8	49.0	42.2
	Standard Error	3.1	0.4	0.6	0.3	1.1
	LSD ^b	7.4	1.1	1.3	1.0	3.3
	Mean ^c	106.1	13.3	59.5	37.2	40.0
	CV ^d	13.8	6.7	3.7	11.9	7.0

^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:	Greg and Gerald Hoegermeyer, Herman	GPS Coordinates:	41.632775, -96.391120
Planting Date:	10/5/18	Harvest Date:	7/19/19
Fertilization:	125 lb/ac N, 31 lb/ac K ₂ O, 24 lb/ac Cl, and 12 lb/ac S top-dressed in early April		
Herbicide/Fungicide:	8.2 oz/ac Prosaro at flowering		
Soil Type:	Moody silty clay loam	Trial Notes:	No-till following soybean

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