



UNIVERSITY of NEBRASKA
LINCOLN

Lancaster County Rainfed 2019 Winter Wheat Variety Trial

Name	Source/Brand	Means				
		Yield (bu/ac) ^a	Protein (%)	Test Weight (lb/bu)	Height (inches)	1000 Kernel Weight (grams)
WB4303	WestBred	118.2	13.9	57.5	33.5	42.2
LCS Valiant	Limagrain Cereal Seeds	111.6	13.8	60.0	37.2	42.8
WB4699	WestBred	109.0	12.6	56.8	33.2	37.3
Zenda	KSU	107.7	13.0	62.0	38.1	44.0
SY Wolf	AgriPro	105.2	14.0	57.6	36.3	40.9
NE14434	UNL-Experimental	100.7	11.4	56.6	41.5	39.7
NW13493	UNL-Experimental	97.6	13.6	59.3	38.8	41.8
WB4269	WestBred	97.6	12.1	59.6	35.9	38.5
NHH144913-3	UNL-Experimental	97.6	13.2	52.0	38.0	32.2
NE14538	UNL-Experimental	97.0	12.4	58.4	39.5	40.0
NE12561 (Siege)	UNL-Experimental	96.1	13.7	60.6	39.5	40.4
Freeman	Husker Genetics	95.8	13.2	56.2	38.8	37.5
WB4418	WestBred	95.3	13.8	58.0	35.5	36.9
Overland	Husker Genetics	95.0	12.9	56.0	41.9	39.9
WB-Grainfield	WestBred	88.9	12.5	54.2	39.1	36.8
Matterhorn	USDA	88.1	13.9	54.3	39.7	41.2
SY Monument	AgriPro	86.5	12.8	53.7	35.6	39.0
SY Benefit	AgriPro	85.6	12.5	59.4	36.7	40.2
Mattern	USDA	82.4	13.1	55.5	40.3	38.0
Ruth	Husker Genetics	82.1	13.1	54.7	40.7	36.3
Long Branch	Dyna-Gro	80.9	13.5	52.3	37.1	36.3
AM Eastwood	AgriMAXX	74.4	12.5	55.7	33.5	35.8
Scout 66	Check	58.0	14.9	56.8	46.8	45.0
Turkey	Check	47.7	15.0	54.3	33.5	42.4
	Standard Error	3.0	0.2	0.7	0.5	1.3
	LSD ^b	8.5	0.6	1.9	1.5	3.9
	Mean ^c	91.5	13.2	56.7	38.5	39.4
	CV ^d	18.4	6.4	5.0	9.8	8.2

^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 Havelock Research Farm, Lincoln	GPS Coordinates:	40.857200, -96.613861
Planting Date:	9/28/18	Harvest Date:	7/11/19
Fertilization:	80 lb/ac N applied in fall and 60 lb/ac N in April		
Herbicide/Fungicide:	Finesse applied preplant and 2,4-D plus Prowl applied in spring		
Soil Type:	Crete and Butler silt loam	Trial Notes:	No-till following oats

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