



UNIVERSITY of NEBRASKA  
LINCOLN

## Jefferson County Rainfed 2019 Winter Wheat Variety Trial

Name	Source/ Brand	Means				
		Yield (bu/ac) <sup>a</sup>	Test Weight (lbs/bu)	Protein (%)	Height (in)	1000 Kernel Weight (grams)
WB4699	WestBred	114.6	58.6	10.7	30.9	42.9
Long Branch	Dyna-Gro	114.0	57.9	12.0	35.1	47.9
NW13493	UNL-Experimental	109.4	60.8	11.3	35.9	45.0
LCS Valiant	Limagrain Cereal Seeds	109.1	59.7	12.4	31.7	49.6
Ruth	Husker Genetics	105.7	58.2	11.4	35.5	45.4
Zenda	KSU	104.4	61.0	12.1	34.3	48.6
WB4303	WestBred	104.0	57.9	13.0	31.9	52.1
WB4269	WestBred	104.0	60.0	11.9	31.7	47.4
Overland	Husker Genetics	103.4	58.8	12.2	38.1	48.9
SY Benefit	AgriPro	103.1	60.3	12.1	33.5	48.3
Freeman	Husker Genetics	102.8	58.0	11.4	35.1	45.6
SY Monument	AgriPro	102.7	56.2	12.0	34.0	47.9
Mattern	USDA	102.6	59.0	12.8	36.9	51.2
WB-Grainfield	WestBred	102.5	58.0	11.2	35.6	44.8
NE14538	UNL-Experimental	101.4	59.5	10.8	36.5	43.1
NE14434	UNL-Experimental	101.3	58.5	11.2	37.0	44.8
NHH144913-3	UNL-Experimental	100.0	56.3	12.6	35.5	50.5
NE12561 (Siege)	UNL-Experimental	98.3	60.2	13.0	34.4	52.1
Matterhorn	USDA	95.6	57.4	13.0	37.1	51.8
SY Wolf	AgriPro	92.3	58.1	12.2	33.8	48.6
WB4418	WestBred	91.7	58.5	12.1	31.6	48.3
AM Eastwood	AgriMAXX	85.4	56.8	13.1	31.3	52.2
Turkey	Check	83.0	60.3	13.1	43.3	52.2
Scout 66	Check	78.3	59.9	12.4	41.7	49.8
	LSD (p<0.05) <sup>b</sup>	7.8	0.8	0.4	1.0	4.9
	Standard Error	2.8	0.3	1.2	2.8	1.6
	Mean <sup>c</sup>	100.4	58.7	12.1	35.1	48.3
	CV <sup>d</sup>	10.4	2.5	6.9	10.4	6.9

<sup>a</sup>Wheat yields were adjusted to 12% moisture.

<sup>b</sup>For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 95%.

<sup>c</sup>Mean value of all plots in the trial

<sup>d</sup>Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high quality trial

### SITE INFORMATION

Collaborator: Mark Knobel, Fairbury                      GPS Coordinates: 40.23704663, -97.19932297  
 Planting Date: 9/28/18                                      Harvest Date: 7/15/2019  
 Fertilization: 100 lb/ac 10-34-0 at planting, 100 lb/ac N and 8.5 lb/ac S in early spring  
 Herbicide/Fungicide: Generic Tilt and Harmony Extra at early vegetative; Quilt XL at flag leaf; and Prosaro at early flowering  
 Soil Type: Crete silt loam  
 Trial Notes: No-till following soybean  
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