



UNIVERSITY of NEBRASKA
LINCOLN

Harlan 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)
WB4462	WestBred	119.4	12.4	59.7	37	45.9
NHH144913-3	UNL-Experimental	117.4	11.6	56.3	39	38.4
NW15443	UNL-Experimental	114.8	11.0	58.5	39	45.6
LCS Avenger	Limagrain Cereal Seeds	113.1	12.3	58.8	35	43.3
NE14691	UNL-Experimental	112.7	12.3	59.5	42	42.6
WB4792	WestBred	111.9	11.7	60.7	36	39.4
LCS Revere	Limagrain Cereal Seeds	111.3	11.3	59.4	39	42.6
CPCPX79-10	CROPLAN	111.2	11.4	60.1	38	41.2
SY Wolverine (Exp 40-1)	AgriPro	109.4	11.9	52.8	33	42.2
CP7869	CROPLAN	108.9	12.2	58.8	32	43.5
WB-Grainfield	WestBred	108.8	10.6	57.6	38	39.6
WB4595 (XB4520)	WestBred	108.7	11.3	61.1	33	41.8
SY Wolf	AgriPro	108.1	13.3	55.4	34	40.5
Langin	PlainsGold	107.3	12.0	56.2	34	38.2
SY AP 18AX	AgriPro	106.8	11.1	57.5	36	41.9
WB4418	WestBred	106.1	12.4	58.1	34	36.4
Crescent AX	PlainsGold	105.1	10.3	58.6	31	43.1
LCS Valiant	Limagrain Cereal Seeds	104.6	12.5	59.2	34	39.1
LCS Chrome	Limagrain Cereal Seeds	104.3	12.5	58.9	37	35.6
CP7909	CROPLAN	103.7	10.3	58.8	34	40.0
NE12561 (Siege)	UNL-Experimental	102.9	13.5	59.5	38	40.5
Breck	PlainsGold	101.6	11.8	60.0	36	40.4
Tatanka	KSU	101.5	11.8	58.7	35	39.2
LCS Link	Limagrain Cereal Seeds	101.1	12.5	59.8	38	39.8
Winterhawk	WestBred	100.6	11.6	59.8	40	41.5
WB4269	WestBred	100.6	11.4	58.5	33	39.4
Ruth	Husker Genetics	99.9	12.2	57.3	40	35.3
SY Rugged	AgriPro	99.6	11.9	58.2	31	42.5
Freeman	Husker Genetics	99.0	12.2	55.4	38	34.9
NW13493	UNL-Experimental	97.3	11.7	59.8	38	41.8
Long Branch	Dyna-Gro	96.9	12.2	56.8	36	39.9

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NE15624	UNL-Experimental	96.8	12.3	58.5	38	38.4
SY Sunrise	AgriPro	96.8	11.8	58.5	32	40.1
Canvas	PlainsGold	96.3	11.8	57.5	36	36.2
Settler CL	Husker Genetics	94.4	11.7	59.1	39	41.7
Overland	Husker Genetics	92.1	12.7	59.1	43	40.4
SY Monument	AgriPro	91.1	12.5	56.9	35	39.7
NE14434	UNL-Experimental	90.3	11.7	57.0	42	37.1
Robidoux	Husker Genetics	89.4	11.7	56.1	38	37.9
Whistler	PlainsGold	89.3	11.7	56.1	42	35.1
SY Legend CL2	AgriPro	87.8	13.0	56.8	30	38.6
AM Eastwood	AgriMAXX	86.9	11.6	55.5	32	38.4
Turkey	Check	57.5	13.3	58.3	45	40.5
Scout 66	Check	55.9	13.7	58.1	44	42.1
	Standard Error	4.1	0.5	0.5	NA	1.5
	LSD ^b	11.5	1.2	1.2	NA	3.4
	Mean ^c	100.5	12.7	58.1	36.7	38.8
	CV ^d	15.0	6.8	3.2	NA	7.3

^aWheat yield was 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, and lower than 15 indicates a high quality trial

SITE INFORMATION

Collaborator: Terry Woolen, Alma
 Planting Date: 9/26/18
 Harvest Date: 7/25/19
 Fertilization: 30 lb/ac N, 30 lb/ac P, 15 lb/ac S, and 0.75 lbs/ac Zn before planting and 55 lb/ac N at green-up
 Herbicide/Fungicide: 10 oz/ac 2,4-D amine and 0.50 oz/ac Aim
 Soil Type: Holdrege silt loam
 GPS Coordinates: 40.176707, -99.368761
 Trial Notes: No-till following soybean

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