



UNIVERSITY of NEBRASKA
LINCOLN

Cheyenne 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)
NHH144913-3 (Talon)	UNL	51.7	13.2	51.7	32.0	37.7
Overland	Husker Genetics	48.4	11.8	54.1	33.5	38.7
WB4792	WestBred	47.9	12.9	55.3	32.5	39.4
NE14696	UNL	46.6	12.5	55.3	34.5	40.5
LCS Chrome	Limagrain Cereal Seeds	45.1	13.4	53.8	32.5	35.6
CP7909	CROPLAN	44.1	12.3	52.3	27.0	37.5
Cowboy	Wyoming	43.7	11.9	54.0	31.0	36.8
WB4462	WestBred	43.7	12.9	53.3	33.5	42.0
SY AP 18AX	AgriPro	43.6	11.9	51.3	31.5	40.2
LCS Link	Limagrain Cereal Seeds	43.1	13.6	54.0	30.5	38.5
SY Rugged	AgriPro	42.7	13.5	52.8	28.0	40.2
SY Monument	AgriPro	42.6	13.1	50.6	28.5	36.7
CP7869	CROPLAN by Winfield United	42.5	13.4	53.8	29.0	41.1
WB4595 (XB4520)	WestBred	42.3	12.3	55.1	29.5	38.3
Whistler	PlainsGold	41.4	12.1	52.1	31.5	38.2
Canvas	PlainsGold	41.3	12.5	52.4	31.0	37.1
NE15624	UNL	41.1	13.3	51.7	29.5	37.4
NW13493	UNL	41.1	12.9	54.2	33.0	37.5
WB4418	WestBred	40.5	13.6	51.4	28.8	35.1
Ruth	Husker Genetics	40.3	12.4	52.4	31.0	38.1
Goodstreak	Check	39.9	12.3	55.0	38.5	38.9
Camelot	NuPride	39.9	12.9	53.1	31.5	40.8
Infinity CL	Check	39.8	12.6	53.3	33.5	38.0
NE14691	UNL	39.7	13.2	52.4	31.0	38.7
Breck	PlainsGold	39.7	12.2	55.6	30.5	39.8
NE14434	UNL	38.8	12.4	52.4	31.5	37.8
Langin	PlainsGold	38.7	12.5	51.6	27.5	38.6
SY Legend CL2	AgriPro	38.6	13.4	52.4	29.0	38.8
SY Wolverine (Exp 40-1)	AgriPro	38.4	12.9	51.9	27.0	38.0
Pronghorn	Check	37.9	13.0	54.0	36.0	40.0
Spur	AgriPro	37.7	13.1	48.1	29.5	35.4
NE12561 (Seige)	UNL	37.4	13.7	53.3	31.5	37.7
Panhandle	Husker Genetics	37.2	13.4	52.3	38.5	38.3
SY Wolf	AgriPro	37.1	13.7	53.3	28.5	38.1
WB-Grainfield	WestBred	36.2	12.4	51.2	29.5	37.1
Winterhawk	WestBred	35.5	13.1	52.4	32.0	36.9

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AM Eastwood	AgriMAXX	34.4	13.2	51.1	27.5	35.3
Mace	Check	34.2	12.9	51.1	30.0	35.4
Settler CL	Husker Genetics	33.9	13.0	51.6	29.5	39.7
LCS Avenger	Limagrain Cereal Seeds	33.6	13.2	51.7	24.5	38.5
Long Branch	Dyna-Gro	33.2	12.9	51.0	27.5	36.5
Turkey	Check	32.9	13.7	53.9	41.5	38.5
Freeman	Husker Genetics	32.7	12.4	49.8	27.8	35.4
Robidoux	Husker Genetics	32.0	12.6	50.3	30.5	36.7
NE10478-1	UNL	31.0	14.1	49.9	27.5	37.1
Crescent AX	PlainsGold	30.6	13.0	52.5	28.0	38.3
CPCPX79-10	CROPLAN by Winfield United	30.5	13.9	49.5	27.0	35.9
Scout 66	Check	29.8		13.5		52.7
LCS Revere	Limagrain Cereal Seeds	29.5	13.5	51.3	25.5	37.4
	SE	3.0	0.3	0.5	1.2	0.9
	LSD ^b	6.1	0.7	1.3	2.9	2.3
	Mean ^c	38.8	12.9	52.4	30.8	38.1
	CV ^d	20.1	6.1	3.6	11.8	5.7
	REPS	5	3	5	2	3

^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, and lower than 15 indicates a high quality trial

SITE INFORMATION

Collaborator: UNL-High Plains Agricultural Lab, Sidney
 Planting Date: 9/14/18
 Harvest Date: 8/6/19
 Fertilization: 50 lbs/ac 32-0-0 preplant, 10 lbs/ac 32-0-0 when sprayed
 Herbicide/Fungicide: 32 oz/ac RoundUp RT3 + 8 oz/ac LV6 + 2 qt/100 gal Class Act preplant; 8 oz LV6 + 10 lbs N before boot
 Soil Type: Alliance/Duroc loam
 GPS Coordinates: 41.235162, -102.998455
 Trial Notes: Conventional tillage following fallow (*proso millet* in 2017)

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