



UNIVERSITY of NEBRASKA
LINCOLN

Box Butte 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)
Robidoux	Husker Genetics	88.3	12.8	56.5	42	37.9
SY AP 18AX	AgriPro	85.7	12.9	57.3	37	42.3
Cowboy	Wyoming	85.2	11.3	57.8	38	39.0
NE15624	UNL	85.1	13.2	57.5	32	38.3
Langin	PlainsGold	84.8	12.1	55.9	34	38.8
CPCPX79-10	CROPLAN by Winfield United	84.1	12.0	57.8	35	37.4
NE14434	UNL	83.5	12.5	56.4	39	38.1
Ruth	Husker Genetics	83.0	12.9	58.7	37	36.5
WB-Grainfield	WestBred	82.8	11.6	57.6	37	39.8
Long Branch	Dyna-Gro	82.0	12.9	55.9	37	39.6
Canvas	PlainsGold	81.8	12.1	57.8	34	36.4
Spur	AgriPro	81.7	12.7	56.7	34	39.7
CP7909	CROPLAN	81.0	11.6	58.3	35	35.7
Breck	PlainsGold	79.9	12.3	60.1	39	39.1
NE14696	UNL	79.8	12.4	57.3	41	37.8
NE12561 (Seige)	UNL	78.8	13.1	59.3	38	40.7
Crescent AX	PlainsGold	78.7	12.3	57.9	40	42.0
Overland	Husker Genetics	78.5	12.6	58.0	41	40.4
Freeman	Husker Genetics	78.2	11.7	56.5	36	37.6
WB4462	WestBred	77.9	12.4	58.3	40	43.6
NHH144913-3 (Talon)	UNL	77.8	13.5	54.1	35	35.7
Whistler	PlainsGold	77.7	12.0	57.8	36	39.9
Winterhawk	WestBred	76.8	11.9	58.2	38	39.4
CP7869	CROPLAN by Winfield United	76.5	11.6	58.5	30	43.5
Pronghorn	Check	76.1	13.2	59.5	44	39.5
NE10478-1	UNL	75.9	12.5	59.1	34	41.1
Settler CL	Husker Genetics	75.9	12.5	59.1	37	40.0
Robidoux	Husker Genetics	88.3	12.8	56.5	42	37.9
WB4418	WestBred	75.8	11.5	56.9	35	35.9
Camelot	NuPride	73.8	11.2	59.0	38	41.7
SY Monument	AgriPro	73.7	10.7	56.3	36	39.0

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		Yield (bu/ac) ^a	Protein (%)	Test Weight (lbs/bu)	Height (in)	1000 Kernel Weight (grams)
PlainsGold	Canvas	90.7	13.1	54.7	33	37.6
CROPLAN	CP7869	86.2	13.7	54.9	28	43.1
UNL- Experimental	NE14434	86.0	13.5	54.4	23	42.0
PlainsGold	Canvas	90.7	13.1	54.7	33	37.6
NW13493	UNL	73.5	12.3	58.8	37	39.4
WB4792	WestBred	73.1	11.5	59.6	39	39.2
Goodstreak	Check	72.6	13.6	59.1	48	37.6
SY Wolverine (Exp 40-1)	AgriPro	70.7	12.8	58.2	32	38.5
WB4595 (XB4520)	WestBred	70.6	11.9	60.4	37	40.2
Infinity CL	Check	70.4	12.1	57.7	40	39.9
SY Legend CL2	AgriPro	70.3	12.1	57.5	32	42.4
LCS Link	Limagrain Cereal Seeds	70.2	12.2	58.6	37	40.4
SY Rugged	AgriPro	70.2	12.2	57.0	32	40.7
LCS Revere	Limagrain Cereal Seeds	70.0	12.5	58.4	36	40.0
NE14691	UNL	69.9	11.8	59.5	37	42.6
Panhandle	Husker Genetics	69.6	12.4	56.7	44	38.9
SY Wolf	AgriPro	68.3	12.6	58.8	35	39.3
AM Eastwood	AgriMAXX	68.1	12.2	58.6	31	38.0
LCS Avenger	Limagrain Cereal Seeds	66.2	12.5	57.7	31	41.5
LCS Chrome	Limagrain Cereal Seeds	64.1	11.7	57.5	33	39.2
Mace	Check	61.9	13.1	56.7	37	36.7
Scout 66	Check	61.9	12.6	58.8	43	41.9
Turkey	Check	59.6	14.4	57.8	49	37.8
	Standard Error	4.1	0.7102	0.63	NA	1.2
	LSD ^b	10.8	2	1.3	NA	3.3
	Mean ^c	75.6	12.3	57.9	37.1	39.4
	CV ^d	11.8	8.5	2.5	NA	5.8
	Reps	3	2	3	1	2

^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; a number lower than 15 indicates a high quality trial.

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SITE INFORMATION

Collaborator: Chris Cullan/Cullan Farms, Hemingford
Planting Date: 9/13/18
Harvest Date: 7/31/19
Fertilization: 50 lb/ac N+25 lb/ac P+10 lb/ac S starter applied; 20 lb/ac N streamed on in spring
Herbicide/Fungicide: 5 oz/ac LV6 applied in spring; Onset (tebuconazole) applied at flag leaf
Soil Type: Rosebud loam
GPS Coordinates: 42.248333, -103.019861

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