

2018 FALL

SEED GUIDE

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University of Nebraska Variety
Testing Program

- University of Nebraska–Lincoln Extension
- Institute of Agriculture and Natural Resources
- Department of Agronomy & Horticulture

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UNL EXTENSION CIRCULAR 103

FALL SEED GUIDE

- August 2018 -

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This circular reports data from winter wheat trials conducted throughout Nebraska. Entries include commercial varieties and promising experimental lines from Nebraska, surrounding states, and private breeders. The state has been divided into four districts for the purposes of variety testing (Panhandle, West Central, South Central, and Southeast).

There were 16 trials planted across Nebraska in the fall of 2017. Data from the Keith and Harlan County Rainfed sites were not collected due to hail damage. Chase County Irrigated trial was planted in Perkins County nevertheless data from that trial was discarded due to irregularities at harvest. The trials in Banner County and Cheyenne County were not harvested due to environmental and management issues. Deuel County trial was harvested but the data was discarded due to data irregularities. Names of cooperators, trial locations, planting dates, harvest dates, highest location mean yield, and mean of top five varieties are shown in Table A. Location specific information such as soil type, tillage, previous crop, and fertilizer applications when available are shown in Table B. Plot sizes varied with location. Six row wide and 20 to 35 feet long plots were planted across locations. All tests were direct combined. Entries were replicated 3 to 6 times.

Protein and seed size data were collected from two replicates at each location. The protein data was combined within each district and reported in the district tables. Protein was determined from whole grain using a Perten DA 7250 Near Infrared Spectrometer. Please refer to the Variety Test Home Page for individual site yields, disease score, and other relevant information.

WINTER WHEAT PERFORMANCE

According to the National Agricultural Statistics Service, winter wheat was sown on 1.1 million acres in Nebraska last year. 1.0 million acres were harvested producing a projected 48 million bushels of grain. The average winter wheat yield of Nebraska for all wheat harvested during the summer of 2018 was projected to be 48 bushels per acre (bu/a). Winter wheat yields and production from the previous 10 years are reported below.

Average Nebraska Winter Wheat Yield (all practices)

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Yield (bu/a)	48	43	44	42	35	49	42	50	46	48
NE Total Production (million bu)	76.8	64.1	65.3	55.4	41.8	71.1	54.6	60	46	48

Source: National Agricultural Statistics Service (<http://www.nass.usda.gov>)

Yielding ability of different varieties cannot be measured with absolute accuracy because of variations in local disease incidence, soil fertility, seasonal rainfall or moisture, and other factors. For this reason, small differences in yield have no significance. Unless the difference in yield of two varieties is greater than the difference required for significance shown in the tables, little confidence can be placed in the superiority of one variety over the other for measured traits in that particular test. These differences are shown at the 5% level, meaning that differences as large or larger could be expected through chance alone in 1 of 20 trials (5%). Even though two varieties are not statistically different, there may be other factors which influence the choice of one over the other. Factors such as disease resistance, grain quality, agronomic desirability or availability of seed may influence that decision.

Complementary varieties are important when selecting additional varieties to grow. One definition of complementary varieties is that they come from diverse parentages. In order to help select varieties with diverse parentages, the related families of many varieties are included in the characteristics chart.

RESULTS AT INDIVIDUAL LOCATIONS

Southeast:

There were four rainfed trials conducted in the Southeast District in Saunders, Lancaster, Jefferson, and Washington counties. Site specific management, soil type, and previous crops are shown in Table B.

- The Jefferson County Rainfed trial was planted on October 17th into soybean stubble. 100 lb/ac N and 50 lb/ac of 28-0-0-5 (S) fertilizer were applied to the field. Harmony Extra SG herbicide and generic propiconazole fungicide were applied at greening, while Quilt XL fungicide was applied at flag leaf. Plots were harvested on July 5th with a top yield of 55 bu/ac and an average yield of 47 bu/ac.
- The Saunders County Rainfed trial was planted on October 18th, where the previous crop was oats. A total of 80 lb/ac N was applied. Finesse herbicide was applied. Plots were harvested on July 10th with a top yield of 84 bu/ac and an average yield of 74 bu/ac.
- The Lancaster County Rainfed trial was planted on October 17th into ground previously planted in oats. 100 lb/ac N was applied in September. Finesse and Prowl H2O + 2,4-D herbicide were applied for weed control. Plots were harvested on June 29th with a top yield of 110 bu/ac and an average yield of 97 bu/ac.
- The Washington County Rainfed trial was planted on October 18th into soybean stubble. 112 lb/ac N, 25 lb/ac K2O, 19 lb/ac Cl, and 10 lb/ac S were top-dressed in March. 8.2 oz/ac of Prosaro were applied at Feekes 10.5.1 (flowering) on June 1. Plots were harvested on July 9th with a top yield of 110 bu/ac and an average yield of 99 bu/ac.

South-Central:

- The Clay County Rainfed trial was planted on September 20th and harvested on July 12th with a top yield of 72 bu/ac and an average yield of 62 bu/ac. 150 lb/ac of 11-52-0 was applied as a preplant fertilizer and 15 gal/ac of 10-32-0 was applied in the spring.

West Central:

Six locations were planted in the West Central District. One irrigated trial was planted in Perkins County. Rainfed trials were planted in Red Willow, Harlan/Furnas, Keith, Lincoln, and Perkins counties. The Keith and Harlan/Furnas plots were not harvested due to hail damage. Data for the irrigated plots were discarded due to irregularities from storm damage and late harvesting. Most rainfed sites were left fallow during the previous growing season with corn as the crop before (Table B).

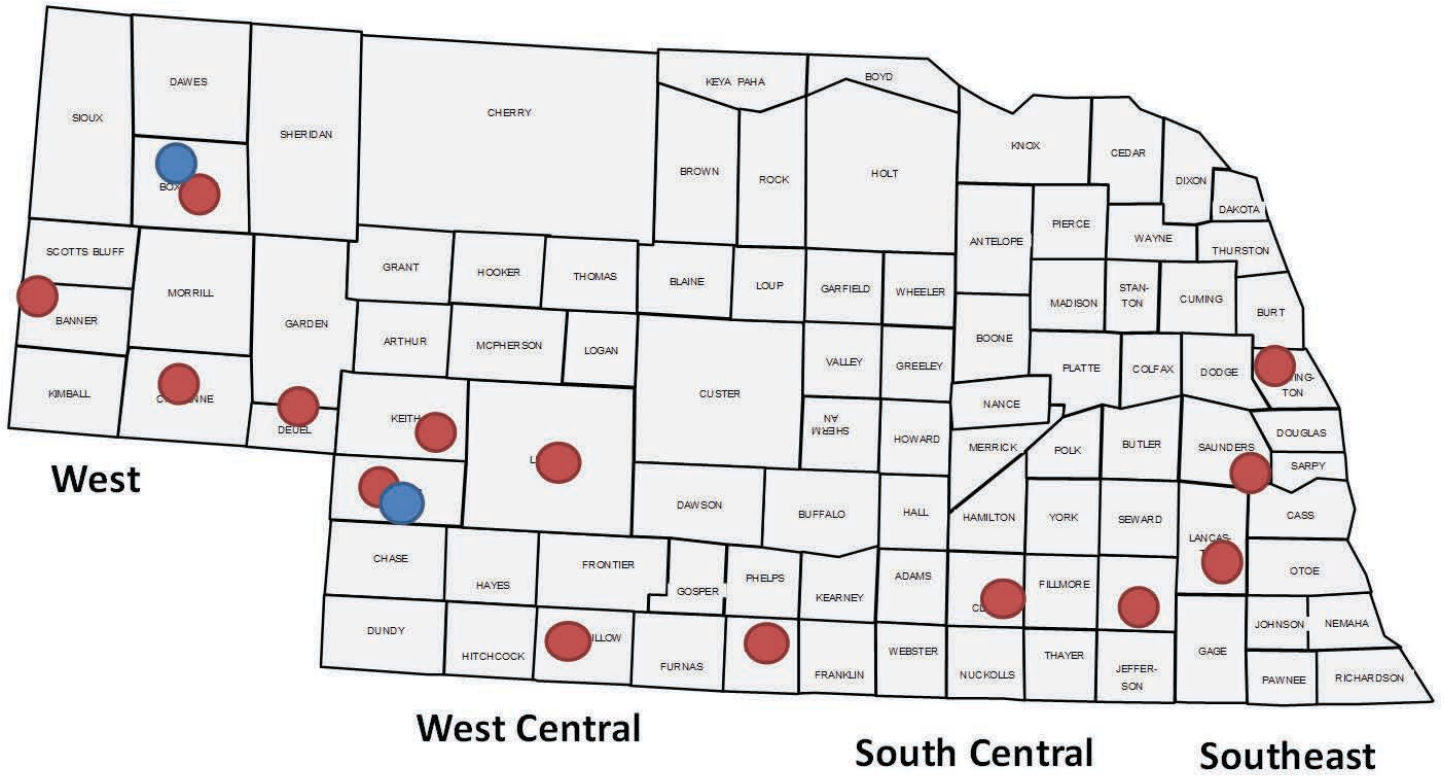
- The Red Willow County Rainfed trial was planted on October 10th into ground previously cropped in yellow peas. 15 gal/ac 30-0-0-3 was applied in March, 15 gal/ac 342CL in April, and 2 gal/ac XRN & CI in May. 7 oz/ac of Nexicor fungicide was also applied in May. Plots were harvested on July 3rd with a top yield of 86 bu/ac and an average yield of 69 bu/ac.
- The Lincoln County Rainfed trial was planted on September 21st into no-till fallow ground. 60 lb/ac of 32-0-0 fertilizer was applied. Plots were harvested on July 8th with a top yield of 78 bu/ac and an average yield of 66 bu/ac.
- The Perkins County Rainfed trial was planted on October 5th into fallow ground previously cropped in sorghum. 61 lb/ac of N as 32-0-0 was applied in the spring. Also, 17 oz/ac Starane NXT plus 1 pt/100 gallon of Chemsurf were applied for weed control in May and 4.0 oz/ac Tebuzol fungicide was applied in June. Plots were harvested July 21st with a top yield of 100 bu/ac and an average yield of 84 bu/ac.

West (Panhandle):

Five locations were planted in the West (Panhandle District). One irrigated trial was planted in Box Butte County. Rainfed trials were planted in Box Butte, Cheyenne, Deuel, and Banner. The Cheyenne and Deuel county plots were not harvested. All rainfed sites were left fallow the previous year with corn or wheat being the previous crop. Conventional tillage practices were used at most locations (Table B).

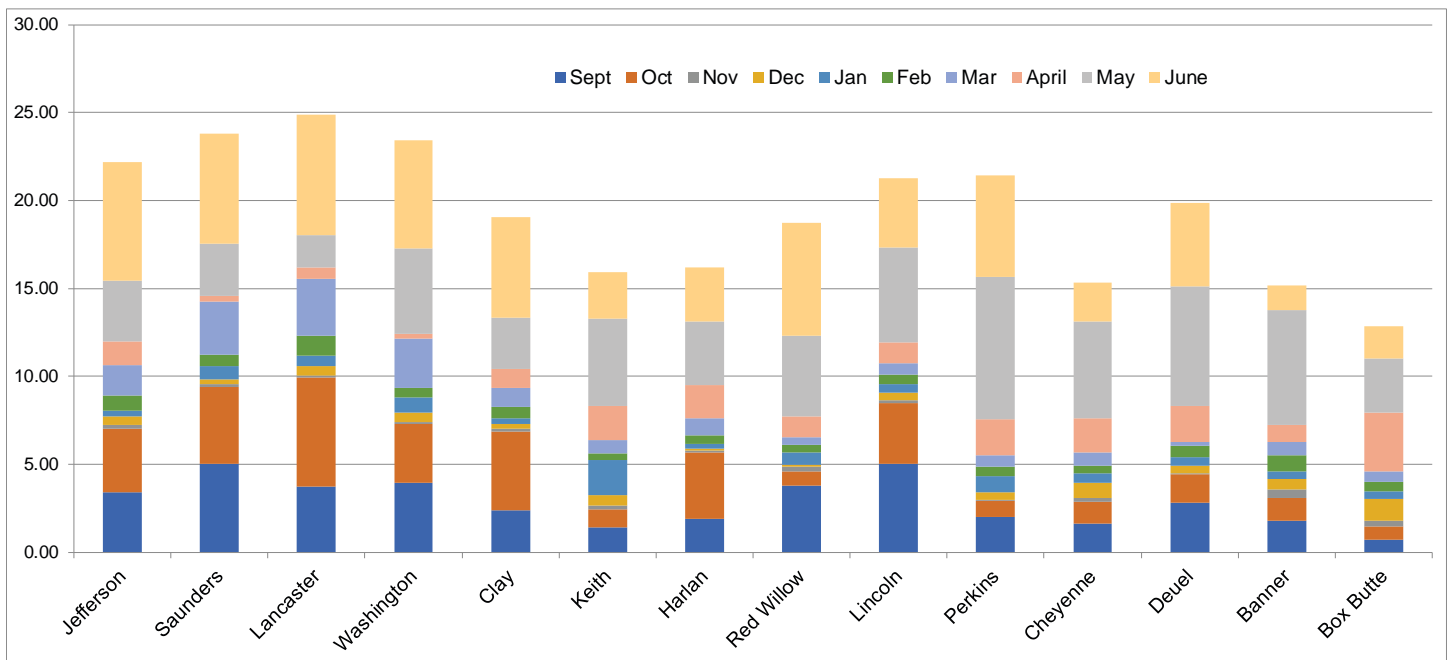
- The Box Butte County Irrigated trial was planted on October 31st. 50 lb/ac N was applied in the fall, 60 lb/ac N as a spring topdressing, and 30 lb/ac chemigated. 0.8 oz of Affinity, 5 oz LV6, and 3.5 oz Nexicor and Headline were applied at flag leaf. Plots were harvested August 4th with a top yield of 102 bu/ac and an average yield of 94 bu/ac.
- The Box Butte County Rainfed trial was planted on September 13th. 50 lb/ac N, 30 lb/ac P, 5 lb/ac S, and 2 lb/ac Zn fertilizer were applied and Ally LV6 was used to control weeds. Plots were harvested on July 20th with a top yield of 76 bu/ac and an average yield of 62 bu/ac.

2018 WINTER WHEAT TRIAL LOCATIONS MAP



● Rainfed Sites ● Irrigated Sites

2018 WINTER WHEAT TRIAL SITE PRECIPITATION



**TABLE A - LOCATION SUMMARY FOR NEBRASKA
WINTER WHEAT VARIETY TESTS - 2018**











Location	Cooperator	Latitude	Longitude	Dates		Location Mean Yield (bu/a)	
				Plant	Harvest	Top Yield	Site Avg
Southeast							
Jefferson Rainfed	Mark Knobel; Fairbury, NE	40.204547	-97.120798	10/17/17	7/5/18	55	47
Saunders Rainfed N	UNL ARDC; Ithaca, NE	41.161088	-96.409352	10/18/17	7/10/18	84	74
Lancaster Rainfed	UNL Havelock Farm; Lincoln, NE	40.860497	-96.611196	10/17/17	6/29/18	110	97
Washington Rainfed	Greg & Gerald Hoegermeyer; Winslow, NE	41.629097	-96.382855	10/18/17	7/9/18	110	99
South Central							
Clay Rainfed	South Central Res & Ext Center; Harvard, NE	40.575278	-98.128333	9/20/17	7/12/18	72	62
West Central							
Keith Rainfed	UNL WCREC Water Resource Lab; Brule, NE	41.163098	-101.992341	10/5/17	LOST TO HAIL		
Harlan/Furnas Rainfed	Terry Woolen; Alma, NE	40.152112	-99.330078	10/13/17	LOST TO HAIL		
Red Willow Rainfed	Randy Peters; McCook, NE	40.157616	-100.742537	10/10/17	7/3/18	86	69
Lincoln Rainfed	UNL WCREC; North Platte, NE	41.057618	-100.750046	9/21/17	8/8/18	78	66
Perkins Rainfed	UNL Stumpf Wheat Center; Grant, NE	40.849536	-101.704976	10/5/17	7/21/18	100	84
Panhandle (West)							
Cheyenne Rainfed	High Plains Ag Lab; Sidney, NE	41.233350	-103.016145	9/21/17	NOT HARVESTED		
Deuel Rainfed	Larry Flohr; Chappell, NE	41.171395	-102.247537	9/15/17	NOT HARVESTED		
Banner Rainfed	Jim Wyatt; Harrisburg, NE	41.568515	-103.718012	9/19/17	Extremely variable data		
Box Butte Rainfed	Cullan Farms; Hemingford, NE	42.248056	-103.019722	9/13/17	7/20/18	76	62
Irrigated							
Box Butte Irrigated	Chris Cullan; Hemingford, NE	42.280473	-103.015100	10/31/17	8/4/18	102	94
Perkins Irrigated	UNL Stumpf Wheat Center; Grant, NE	40.853160	-101.705613	11/2/17	Data unreliable		

TABLE B - SOIL TYPE, PREVIOUS CROP, FERTILIZERS AND HERBICIDES/ FUNGICIDES APPLIED TO NEBRASKA WINTER WHEAT VARIETY TESTS

Location	Soil Type	Tillage System	Previous Crop(s)	Fertilizer	Herbicide/Fungicide
Southeast					
Jefferson Rainfed	Crete silt loam	No-till	Soybean	100 lb/ac N & 50 lb/ac 28-0-0-5 (S)	Harmony Extra SG & propiconazole fungicide at greening, Quilt XL fungicide at flag leaf
Saunders Rainfed	Tomek silt loam	Disked	Oats	80 lb/ac N as 46-0-0	Finesse
Lancaster Rainfed	Crete and Butler silt loam	Disked	Oats	100 lb/ac N	Finesse, Prowl H2O + 2,4-D
Washington Rainfed	Nora silt loam	No-till	Soybean	112 lb/ac N, 25 lb/ac K2O, 19 lb/ac Cl, and 10 lb/ac S top-dressed in March	8.2 oz/ac Prosaro at Feekes 10.5.1 (flowering), June 1
South Central					
Clay Rainfed	Crete & Butler silt loams	Conventional	Fallow (Corn)	150 lb/ac 11-52-0 preplant, 15 gal/ac 10-32-0 in spring	2,4-D
West Central					
Keith Rainfed	Kuma loam	Disked	Fallow (Corn)	-	-
Harlan/Furnas Rainfed	Holdrege silt loam	No-till	Soybean	-	-
Red Willow Rainfed	Holdrege and Keith silt loams	Disked	Yellow peas (Corn)	15 gal/ac 30-0-0-3 in March, 15 gal/ac 342CL in April, 2 gal/ac XRN & Cl in May	7 oz/ac Nexicor fungicide in May
Lincoln Rainfed	Hall silt loam	No-till	Fallow (Corn)	60 lb/ac N as 32-0-0	-
Perkins Rainfed	Kuma silt loam	Disked	Fallow (Grain sorghum)	61 lb/ac N as 32-0-0 in spring	17 oz/ac Starane NXT + 1 pt/100 gal Chemsurf at 15 gal/ac, 4.0 oz/ac Tebuzol
Panhandle (West)					
Cheyenne Rainfed	Duroc, Rosebud, & Kuma loam	No-till	Fallow (Corn)	50 lb/ac N on 9/19/17 & 10 lb/ac N on 4/13/18	2,4-D 'LV6
Deuel Rainfed	Satanta-Johnstown-Altvan-Richfield loams	Conventional	Fallow (Wheat)	-	-
Banner Rainfed	Bridget very fine sandy loam	Conventional	Fallow (Wheat)	10 lb/ac N & 20 lb/ac P in fall, 30 lb/ac N as spring topdress	8 oz/ac 2,4-D
Box Butte Rainfed	Rosebud loam	Conventional	Fallow (Corn)	50 lb/ac N, 30 lb/ac P, 5 lb/ac S, 2 lb/ac Zn	Ally LV6
Irrigated					
Box Butte Irrigated	Alliance loam	Conventional	Dry Beans (Corn)	50 lb/ac N in fall, 60 lb/ac N as spring topdress, 30 lb/ac chemigated	0.8 oz Affinity, 5 oz LV6, 3.5 oz Nexicor, Headline applied at flag leaf
Perkins Irrigated	Kuma silt loam	Conventional	Fallow (Grain sorghum)	61 lb/ac N as 32-0-0 in spring	17 oz/ac Starane NXT + 1 pt/100 gal Chemsurf at 15 gal/ac, 4.0 oz/ac Tebuzol

TABLE C - ENTRIES AND CONTACT INFORMATION

The entrant should be contacted for information on seed availability, adaptation and agronomic characteristics.

<p>AgriMaxx Wheat Company 7167 Highbanks Road Mascoutah, IL 62258</p>	<p>AM Eastwood</p>	
<p>AgriPro - Syngenta #29 Rolling Hills Road Kearney, NE 68845 agripro.com</p>	<p>SY Benefit, SY Flint, SY Monument, SY Rugged, SY Sunrise, SY Wolf, 07CL046-2</p>	
<p>Crop Rsch Foundation of WY P.O. Box 1778 Laramie, WY 82073-1778 wyomingwheat.com</p>	<p>Cowboy</p>	
<p>Croplan by Winfield United 4001 Lexington Ave N Arden Hills, MN 55126</p>	<p>EXP 27-17, EXP 56-17, EXP 69-16</p>	
<p>Dyna-Gro 5300 Braemer Rd Lincoln, NE 68516</p>	<p>Long Branch</p>	
<p>Husker Genetics 1071 County Rd G Ithaca, NE 68033 huskergenetics.unl.edu</p>	<p>Camelot, Goodstreak, Freeman, Infinity CL, Mace, Overland, Panhandle, Prong-horn, Robidoux, Ruth, Settler CL, Wesley</p>	
<p>Limagrain Cereal Seeds 6414 N. Sheridan Wichita, KS 67204 limagraincerealseeds.com</p>	<p>LCS Chrome, LCS Link, LCS Mint, LCS Pistol, T158, LCH14-55, LCH14-77</p>	
<p>PlainsGold Colorado State University Fort Collins, CO 80523 plainsgold.com</p>	<p>Avery, Breck, Langin, Snowmass, CO13D1783</p>	
<p>WestBred 800 N. Lindbergh Ave. St. Louis, MO 63167 westbred.com</p>	<p>WB4269, WB4303, WB4418, WB4458, WB4462, WB4721, WB-Cedar, WB-Grain-field, Winterhawk</p>	
<p>Wildcat Genetics Kansas State University 2004 Throckmorton Plant Sciences Center 1712 Claflin Rd. Manhattan, KS 66506-0110 785-532-6101</p>	<p>Oakley CL, Tatanka, Zenda</p>	

WINTER WHEAT VARIETY CHARACTERISTICS 2018 (PAGE 1/2)

Variety	Origin	Family	Maturity	Winter Hardiness	Straw Strength	Plant Height	Coleoptile length	
07CL046-2	APSY	--	3	3	3	5	5	
AM Eastwood	AgriMAXX	--	1	4	6	2	5	
Avery	CSU 2015	TAM 112/Byrd	3	-	2	7	5	
Breck	CSU 2017	Denali/HV9W07-482W//Antero	3	-	4	5	6	
Camelot	NE	--	3	5	5	3	5	
CO13D1783	CSU experi-	Byrd, Snowmass	5	N/A	1	7	4	
Cowboy	CO/WY	TAM111/CO980829	4	4	2	4	6	
EXP 27-17	CROPLAN/	--	2	1	3	3	5	
EXP 56-17	CROPLAN/	--	3	1	3	3	5	
EXP 69-16	CROPLAN/	--	4	1	2	3	5	
Freeman	NE	(ABI86*3414/JAG//K92)/ALLI-	3	5	3	2	2	
Goodstreak	NE	Colt	3	4	4	8	9	
Infinity CL	NE	Windstar, Above, Millennium	4	4	5	7	4	
Langin	CO	Byrd, Hatcher	1	4	2	2	5	
LCH14-77	Limagrain	--	3	4	4	6	7	
LCS Avenger	Limagrain	LCH14-55	4	5	5	5	7	
LCS Chrome	Limagrain	--	4	4	5	7	5	
LCS Link	NE/LI	Diverse	4	4	6	3	--	
LCS Mint	Limagrain	Overley, Yumar, Exp	3	3	4	7	7	
LCS PISTOL	Limagrain	T158 / T157	2	4	4	5	4	
Long Branch	DynaGro	Kansas	4	5	4	7	N/A	
Mace	ARS-NE	Yuma, Arlin	3	4	6	2	--	
NE10478-1	NE	Camelot	1	4	5	3	--	
NE12561	NE	Robioux	4	4	5	3	--	
NE13515	NE	Robidoux	3	4	5	4	--	
NE13604	NE	McGill	5	4	5	5	--	
NE14434	USDA-Ne-	Freeman	3	5	4	5	--	
NE15420	USDA-Ne-	unique	2	5	3	2	--	
NHH144913-3	USDA-Ne-	Brawl CL Plus	3	5	5	5	--	
NI13706	NE	Robidoux	2	4	5	3	--	
NW13493	NE	Diverse, sib of NW13570	2	4	4	4	--	
NW13570	NE	Diverse, Sib of NW13493	3	4	3	4	--	
Oakley CL	Kansas	Danby	4	5	3	7	-	
			1 = Early 5 = Late	1 = Tender 5 = Hardy	1=Weak 6=Strong	1 = Short 9 = Tall	1 = Short 9 = Long	

	Hessian Fly	Leaf Rust	Stem Rust	Stripe Rust	Tan Spot	Soil Borne	Wheat Streak Mosaic	Bushel Weight	Grain Protein	Target Environment
	-	-	1	-	-	1	-	3	-	
	N/A	7	1	2	3	1	4	3	3	
	-	8	-	7	-	-	3	4	7	
	-	5	-	2	-	-	5	1	4	
	5	1	3	8	3	1	6	6	7	--
	8	5	1	1	N/A	1	1	5	5	Western dryland
	9	1	Seg	8	--	1	1	5	4	West, rainfed and irrigated
	--	8	--	--	--	--	--	--	--	
	--	2	-	6	N/A	1	6	1	4	
	--	4	1	1	2	--	--	3	4	
	Seg	6	2	4	--	1	9	6	5	All NE
	6	8	3	--	--	9	9	2	4	--
	9	5	3	7	--	3	3	--	--	--
	9	7	8	5	--	2	7	3	--	West NE
	--	4	2	2	2	2	--	2	3	--
	9	2	2	--	5	1	--	2	4	Panhandle and South Central
	--	2	9	1	2	2	--	3	3	--
	--	4	2	2	--	1	7	2	--	--
	--	9	9	3	2	2	--	3	3	---
	8	3	9	5	5	1	5	2	4	South Central
	9	7	4	2	N/A	2	N/A	N/A	N/A	Irrigated & Dryland
	9	7	1	9	--	9	1	7	3	--
	4	5	4	8	--	1	7	2	--	--
	3	4	2	2	--	1	7	2	--	--
	3	7	3	2	--	1	7	2	--	--
	4	3	5	4	--	1	7	3	--	--
	8	3	2	5	--	1	7	2	-	All of Nebraska
	8	3	2	3	--	1	7	3	-	Irrigated production
	8	3	3	3	--	1	7	5	-	All of Nebraska
	8	5	3	3	--	2	7	4	--	--
	9	3	1	2	--	1	7	3	--	--
	3	3	4	1	--	2	7	4	--	--
	9	2	2	2	6	7	3	4	5	Southwest
	1 = Resistant 9 = Susceptible Seg = Segregating							1 = High 9 = Low		

WINTER WHEAT VARIETY CHARACTERISTICS 2018 (PAGE 2/2)

Variety	Origin	Family	Maturity	Winter Hardiness	Straw Strength	Plant Height	Coleoptile length	
Overland	NE	Millennium, Wahoo	4	5	5	5	--	
Panhandle	NE	NE97426 /NE98574	4	4	4	7	7	
Pronghorn	NE	Colt	3	4	3	8	9	
Robidoux	NE	Wahoo, Millennium	3	4	--	5	6	
Ruth	NE	OK98697/'Jagalene'/'Camelot	4	4	4	5	7	
Scout 66	NE	Ponca	3	3	1	9	8	
Settler CL	NE	Infinity, Millennium, Wesley	3	5	--	1	6	
Snowmass	CO	KS96HW94//Trego/CO960293	5	--	2	6	5	
Spur	APSY/Mon-	MT2113*4/MTS0359	4.5	4	5	4	unk	
SY Benefit	APSY	KS94-786-6-9/Jagalene:1//Art	3	4	3	4	5	
SY Flint	APSY	Jagalene, Duster	2	2	4	2	5	
SY Monument	APSY	--	4	4	3	6	5	
SY Rugged	APSY	Greer x Doans	2	3	3	2	5	
SY Sunrise	APSY	--	4	4	5	2	5	
SY Wolf	APSY	--	3	4	5	2	5	
T158	Limagrain	TAM 107	2	5	4	5	5	
Tatanka	Kansas	Jagger	3	5	3	6	--	
Turkey	Ukraine	--	5	4	2	9	9	
WB4269	WestBred	--	2	5	6	3	5	
WB4303	WestBred	--	2	4	6	4	5	
WB4418	WestBred	--	3	5	6	3	5	
WB4458	WestBred	Overley, Goertzen	3	5	6	4	5	
WB4462	WestBred	--	3	5	3	8	N/A	
WB4721	WestBred	Overley, Overland	4	5	6	5	5	
WB-Cedar	WestBred	Pioneer	1	4	6	2	5	
WB-Grainfield	WestBred	KSU	4	4	4	6	5	
Wesley	ARS-NE	Sumner	3	5	5	2	1	
Winterhawk	WestBred	Pioneer	3	5	4	6	5	
Zenda	Kansas	Everest	2	4	5	6	--	
			1 = Early 5 = Late	1 = Tender 5 = Hardy	1=Weak 6=Strong	1 = Short 9 = Tall	1 = Short 9 = Long	

	Hessian Fly	Leaf Rust	Stem Rust	Stripe Rust	Tan Spot	Soil Borne	Wheat Streak Mosaic	Bushel Weight	Grain Protein	Target Environment
	9	3	4	7	6	9	5	2	--	--
	9	6	3	8	--	4	9	6	8	Western NE
	9	7	3	--	--	9	9	5	5	--
	9	8	4	4	--	3	9	5	--	--
	5	8	1	3	--	1	9	1	4	--
	9	7	5	8	9	9	7	4	5	--
	9	5	4	8	--	1	5	--	--	--
	--	5	--	7	--	--	2	4	--	West NE
	--	--	Seg	--	--	--	--	4	--	--
	--	6	1	3	4	1	--	3	3	--
	1	7	1	3	5	1	--	3	3	--
	--	2	1	2	5	1	--	3	3	--
	--	2	1	2	5	1	--	2	3	--
	--	5	1	4	--	1	--	2	3	--
	--	1	1	2	5	1	--	3	4	--
	--	8	9	2	9	2	--	2	3	--
	9	9	2	2	5	1	7	3	5	Southwest
	9	7	7	9	--	9	5	3	1	--
	7	2	5	2	7	3	5	3	2	All
	9	3	1	5	7	1	4	5	3	All
	3	3	1	4	7	2	5	4	4	All
	9	8	4	4	5	1	5	3	3	All
	N/A	3	1	7	6	1	4	3	3	West
	9	4	1	3	4	8	5	1	2	All
	7	4	1	3	5	1	8	4	4	All
	9	8	1	3	4	1	6	4	5	Central and west
	9	8	1	7	5	1	9	7	4	--
	4	8	9	7	5	2	4	2	4	All
	5	3	3	2	5	1	7	4	5	Southeast
	1 = Resistant 9 = Susceptible Seg = Segregating							1 = High 9 = Low		

SOUTHEAST DRYLAND WHEAT VARIETY TESTS - 2018

SALINE, SAUNDERS, LANCASTER, WASHINGTON COUNTIES

Brand	Variety	Average Yield (bu/a)	Saline/Jeffer. Yield (bu/a)	Saunders Yield (bu/a)	Lancaster Yield (bu/a)	Washing. Yield (bu/a)	Bushel Weight (lb/bu)	Plant height (in)	Kernel Weight (000/lb)	Grain Protein (%)
WestBred	WB4458	86	49	75	110	110	59	32	14.0	13.2
WestBred	WB4303	84	42	80	108	107	56	29	14.0	14.0
----	NE10478-1	84	48	84	100	105	59	31	14.0	13.7
AgriPro Syngenta	SY Monument	83	47	80	105	99	57	31	15.0	13.2
Dyna-Gro	Long Branch	83	55	78	98	102	57	31	15.5	12.7
WestBred	WB-Grainfield	82	51	73	102	102	59	32	14.9	12.8
WestBred	WB4721	82	47	76	103	102	60	30	14.9	13.7
----	NW13493	82	52	76	98	100	59	31	15.5	13.2
WestBred	WB-Cedar	81	49	69	95	109	56	27	13.9	13.1
Kansas Wheat	Zenda	81	51	80	91	101	59	32	13.5	13.5
Limagrain	LCS Link	81	44	75	104	100	59	31	14.0	13.6
WestBred	WB4269	81	48	71	99	106	57	27	15.5	12.5
AgriPro Syngenta	SY Benefit	81	49	77	100	99	59	32	14.4	12.9
----	NE14443	81	45	74	99	104	57	32	14.5	12.7
AgriMAXX	AM Eastwood	81	46	74	102	100	58	28	15.3	13.5
AgriPro Syngenta	SY Wolf	80	48	78	104	91	59	30	14.8	13.7
----	Ruth	80	46	67	100	105	57	32	15.7	13.5
----	NI13706	80	48	68	100	103	58	31	15.2	14.2
----	NE12561	80	46	76	94	102	60	31	14.0	13.7
WestBred	WB4418	80	55	74	99	92	59	30	16.2	13.0
Husker Genetics	Overland	79	46	76	96	99	58	32	15.4	13.5
----	NW13570	79	46	74	97	99	57	31	16.4	13.7
Limagrain	LCH14-77	79	51	73	93	98	59	33	15.2	13.0
----	NHH144913-3	79	50	71	98	95	56	31	15.4	12.8
NuPride	Camelot	78	45	77	91	99	58	34	13.2	13.8
Limagrain	LCS Chrome	78	45	71	99	98	58	32	16.2	13.9
----	NE13515	76	45	66	97	96	59	32	15.3	14.2
----	NE13604	76	40	76	93	96	58	32	14.9	13.9
Husker Genetics	Freeman	75	45	64	90	99	56	31	15.3	13.1
----	Turkey	67	42	70	72	82	58	39	15.1	14.9
----	Scout 66	66	37	68	75	82	58	39	13.8	14.4
Average all entries		80	47	74	97	99	58	31	14.9	13.5
Diff. req for sig. at 5%		7	5	5.4	6	8	1	1	0.8	0.5

SOUTHEAST DRYLAND WHEAT VARIETY TESTS 2015- 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Two year averages						
WestBred	WB4458	100	58	15	14	35
WestBred	WB-Grainfield	99	58	15	13	36
WestBred	WB4269	97	57	16	13	31
----	NE12561	97	59	14	14	35
WestBred	WB4721	97	60	15	14	35
WestBred	WB4303	97	55	15	14	33
Kansas Wheat Alliance	Zenda	96	59	14	13	35
Limagrain Cereal Seeds	LCS Link	96	58	14	14	35
----	NW13493	96	59	16	14	36
AgriPro Syngenta	SY Wolf	96	57	15	14	34
----	NW13570	94	57	17	14	36
----	NI13706	94	58	15	14	34
----	NE10478-1	94	58	15	14	34
WestBred	WB-Cedar	93	57	13	14	31
Dyna-Gro Seeds	Long Branch	92	56	16	13	36
----	Ruth	92	57	16	13	37
Limagrain Cereal Seeds	LCS Chrome	91	57	17	14	36
----	NE13515	89	59	16	14	37
Husker Genetics	Freeman	88	55	16	13	35
----	NE13604	86	58	15	14	38
Husker Genetics	Overland	85	57	16	14	38
NuPride	Camelot	82	56	15	14	38
----	Scout 66	64	57	14	15	42
----	Turkey	62	57	16	15	43
Average of all entries		91	57	15	14	36
Difference required for significance at 5%		16	2	1.0	0.7	2

SOUTHEAST DRYLAND WHEAT VARIETY TESTS (continued)

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Three year averages						
WestBred	WB-Grainfield	91	58	15	13	37
AgriPro Syngenta	SY Wolf	90	58	15	14	35
WestBred	WB4721	89	60	15	14	35
Kansas Wheat Alliance	Zenda	89	59	14	13	36
WestBred	WB4303	89	55	15	14	33
----	NE12561	89	59	14	14	36
Limagrain Cereal Seeds	LCS Link	88	58	14	13	35
WestBred	WB-Cedar	85	57	13	14	32
----	NI13706	85	58	15	14	35
----	Ruth	85	58	16	13	38
Husker Genetics	Freeman	85	55	16	13	37
Dyna-Gro Seeds	Long Branch	82	56	15	13	37
Husker Genetics	Overland	76	57	16	13	39
NuPride	Camelot	73	56	14	14	39
----	Scout 66	56	55	14	15	43
----	Turkey	53	54	15	15	44
Average of all entries		82	57	15	14	37
Difference required for significance at 5%		11	3	0.9	0.5	1
Four year averages						
AgriPro Syngenta	SY Wolf	80	57	15	14	35
WestBred	WB-Cedar	75	56	14	14	32
Husker Genetics	Freeman	74	54	16	13	37
----	Ruth	73	56	17	13	38
Husker Genetics	Overland	67	56	17	14	39
NuPride	Camelot	62	53	15	14	39
----	Scout 66	49	52	14	15	44
----	Turkey	46	51	16	15	44
Average of all entries		66	54	16	14	39
Difference required for significance at 5%		11	3	1.0	0.5	2

SOUTH CENTRAL DRYLAND WHEAT VARIETY TEST - 2018

CLAY COUNTY

Brand	Variety	Average Yield (bu/a)	Bushel Weight (lb/bu)	Plant Height (in)	Kernel Weight (000/lb)	Grain Protein (%)
WestBred	WB4458	72	54	31	15.3	13.2
-----	NW13493	71	56	33	16.0	12.5
Husker Genetics	Overland	70	54	34	15.1	13.0
Limagrain Cereal Seeds	LCH14-77	70	55	33	15.4	12.5
-----	NHH144913-3	69	53	32	16.7	13.0
AgriPro Syngenta	SY Wolf	68	55	32	15.0	13.3
Limagrain Cereal Seeds	LCS Chrome	68	53	32	17.4	12.9
AgriPro Syngenta	SY Monument	67	51	29	16.9	13.4
AgriPro Syngenta	SY Benefit	67	54	32	16.1	13.1
-----	NW13570	66	53	32	17.3	13.5
WestBred	WB-Grainfield	65	55	32	16.8	12.5
-----	NE14443	65	54	32	15.4	12.4
Limagrain Cereal Seeds	LCS Link	64	54	32	15.2	13.3
-----	NI13706	64	55	29	14.8	13.5
-----	NE13604	62	55	32	14.7	13.8
-----	NE10478-1	62	56	30	14.8	13.5
Limagrain Cereal Seeds	LCS Pistol	62	54	30	19.0	13.7
WestBred	WB4721	61	57	31	16.4	13.8
Limagrain Cereal Seeds	T158	59	55	32	14.4	12.9
Dyna-Gro Seeds	Long Branch	59	54	31	16.9	12.6
-----	NE13515	59	55	30	15.4	14.0
Limagrain Cereal Seeds	LCS Mint	57	55	30	15.2	12.9
-----	Ruth	56	54	33	16.1	12.7
WestBred	WB4418	56	55	29	18.4	13.8
AgriMAXX	AM Eastwood	55	53	29	16.4	13.9
----	Turkey	53	-	35	15.1	14.2
Husker Genetics	Freeman	52	54	31	15.7	12.6
Kansas Wheat Alliance	Zenda	52	-	30	17.5	13.8
----	Scout 66	48	-	36	15.1	13.9
-----	NE12561	48	-	30	16.0	13.9
Average of all entries		62	54	31	16	13
Difference required for significance at 5%		13	NS	3	2	1

SOUTH CENTRAL DRYLAND WHEAT VARIETY TESTS 2015- 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Two year averages						
Limagrain Cereal Seeds	LCS Chrome	75	53	17	14	34
Limagrain Cereal Seeds	LCS Link	75	54	15	13	34
----	NW13493	75	56	17	13	35
WestBred	WB-Grainfield	74	55	17	13	33
----	NW13570	74	53	17	14	34
Husker Genetics	Overland	73	54	16	13	38
AgriPro Syngenta	SY Monument	73	51	16	13	32
----	NE13604	73	55	15	14	36
WestBred	WB4721	73	57	15	14	34
----	NE10478-1	71	56	15	14	32
WestBred	WB4458	70	54	15	14	32
AgriPro Syngenta	SY Wolf	69	55	15	14	32
Dyna-Gro Seeds	Long Branch	69	54	16	13	34
----	NI13706	68	55	15	14	31
----	NE13515	68	55	15	14	34
Limagrain Cereal Seeds	LCS Mint	68	55	15	12	33
----	Ruth	68	54	16	13	36
----	NE12561	64	-	15	14	31
Husker Genetics	Freeman	61	54	16	13	33
Kansas Wheat Alliance	Zenda	60	-	16	14	32
----	Turkey	49	-	16	14	38
----	Scout 66	42	-	15	14	38
Average of all entries		68	54	16	13	34
Difference required for significance at 5%		15	-	1.8	0.9	3



SOUTH CENTRAL DRYLAND WHEAT VARIETY TESTS 2015- 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Three year averages						
WestBred	WB-Grainfield	69	55	18	13	36
WestBred	WB4721	67	57	17	15	36
Limagrain Cereal Seeds	LCS Link	67	54	16	14	36
AgriPro Syngenta	SY Monument	66	51	17	14	34
Limagrain Cereal Seeds	LCS Chrome	65	53	18	14	36
----	NI13706	63	55	17	15	34
Kansas Wheat Alliance	Zenda	63	-	17	14	35
----	Ruth	62	54	17	13	38
----	NE12561	62	-	16	14	34
AgriPro Syngenta	SY Wolf	62	55	16	14	35
Husker Genetics	Overland	60	54	18	14	39
Dyna-Gro Seeds	Long Branch	59	54	17	14	36
Limagrain Cereal Seeds	LCS Mint	59	55	16	13	36
Husker Genetics	Freeman	58	54	18	13	35
----	Turkey	37	-	18	15	39
----	Scout 66	33	-	17	15	39
Average of all entries		59	54	17	14	36
Difference required for significance at 5%		15	-	1.7	0.7	2
Four year averages						
WestBred	WB-Grainfield	62	55	18	13	36
----	Ruth	56	54	17	13	38
Husker Genetics	Overland	54	54	18	14	39
Husker Genetics	Freeman	49	54	18	13	35
Limagrain Cereal Seeds	LCS Mint	48	55	16	13	36
----	Turkey	32	-	18	15	39
----	Scout 66	30	-	17	15	39
Average of all entries		47	54	17	14	38
Difference required for significance at 5%		13	-	1.3	0.6	2

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS - 2018

RED WILLOW, LINCOLN, AND PERKINS COUNTIES

Brand	Variety	Average Yield (bu/a)	Red Willow Yield (bu/a)	Lincoln Yield (bu/a)	Perkins Yield (bu/a)	Bushel Weight (lb/bu)	Plant Height (inches)	Kernel Weight (000/lb)	Grain Protein (%)
PlainsGold	Langin	81	86	70	86	58	30	14.4	12.1
AgriPro Syngenta	SY Monument	80	72	77	90	58	32	14.6	12.0
----	NE10478-1	80	77	73	89	59	30	14.3	12.1
----	NE14443	80	67	72	100	58	33	15.0	12.0
----	NHH144913-3	79	74	73	91	55	31	15.0	12.0
Kansas Wheat Alliance	Tatanka	78	73	73	87	59	30	15.8	11.3
Limagrain Cereal Seeds	LCS Link	78	65	78	91	60	31	14.1	12.5
CROPLAN	CROPLAN EXP 56-17	78	68	68	97	60	29	14.8	12.4
Kansas Wheat Alliance	Oakley CL	77	71	65	96	59	31	14.2	12.1
----	NI13706	77	67	76	88	59	30	14.8	12.7
----	NE12561	77	68	68	96	59	32	13.9	12.6
----	NE13604	77	71	68	92	58	35	14.1	12.4
WestBred	WB4462	77	76	63	93	57	33	11.8	12.5
CROPLAN	CROPLAN EXP 69-16	77	70	72	88	58	30	12.4	11.9
WestBred	WB-Grainfield	76	74	71	83	58	32	15.1	11.9
Limagrain Cereal Seeds	LCS Chrome	76	66	73	88	59	32	16.0	12.8
----	NE13515	76	71	70	88	58	34	15.6	12.6
----	NW13493	76	71	71	87	59	31	15.1	11.9
Husker Genetics	Overland	75	73	61	92	58	33	14.5	12.0
PlainsGold	CO13D1783	75	76	76	74	55	34	17.5	12.1
----	Infinity CL	74	71	60	91	59	34	14.4	11.6
AgriPro Syngenta	SY Wolf	74	69	60	92	57	31	15.6	12.1
Limagrain Cereal Seeds	T158	74	67	66	89	59	30	13.2	12.2
AgriPro Syngenta	SY Flint	74	75	71	77	59	31	15.4	12.2
WestBred	WB4418	74	70	66	85	58	29	17.3	12.4
AgriPro Syngenta	SY Rugged	74	72	67	82	58	28	13.0	11.6
Limagrain Cereal Seeds	LCS Mint	73	75	68	76	59	33	14.5	12.0
----	Ruth	73	72	66	81	57	32	15.7	11.6
WestBred	WB4721	73	66	67	87	61	30	13.8	12.9
Husker Genetics	Settler CL	72	72	72	72	58	31	13.5	11.5
Husker Genetics	Freeman	71	61	66	85	56	31	15.6	11.7
AgriPro Syngenta	SY Sunrise	71	72	65	77	58	29	15.3	12.1
----	NW13570	71	66	57	90	55	32	16.3	12.5
AgriMAXX	AM Eastwood	71	71	72	71	58	28	15.2	12.3
WestBred	WB4458	70	69	64	76	59	31	13.6	12.6
AgriPro Syngenta	07CL046-2	70	69	64	78	58	30	14.3	12.1

TABLE CONTINUED ON NEXT PAGE

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS - 2018

RED WILLOW, LINCOLN, AND PERKINS COUNTIES

Brand	Variety	Average Yield (bu/a)	Red Willow Yield (bu/a)	Lincoln Yield (bu/a)	Perkins Yield (bu/a)	Bushel Weight (lb/bu)	Plant Height (inches)	Kernel Weight (000/lb)	Grain Protein (%)
Husker Genetics	Robidoux	69	67	63	77	57	32	16.8	12.1
Dyna-Gro Seeds	Long Branch	69	69	55	82	57	32	15.0	12.0
Limagrain Cereal Seeds	Avenger (LCH14-55)	68	58	55	92	57	28	15.5	12.3
WestBred	Winterhawk	67	69	59	72	59	32	13.9	12.0
Limagrain Cereal Seeds	LCH14-77	67	63	54	85	59	33	15.7	11.8
----	Mace	65	63	58	73	56	31	17.7	12.0
CROPLAN	CROPLAN EXP 27-17	62	62	47	78	58	27	13.8	12.5
----	Turkey	61	58	52	72	57	39	15.0	13.2
----	Wesley	57	56	68	48	55	30	15.6	13.1
----	Scout 66	56	57	43	67	56	38	13.8	12.8
Average all entries		73	69	66	84	58	31	15	12
Diff required for significance at 5%		11	8	8	7	2	1	1.5	0.9



WEST CENTRAL DRYLAND WHEAT VARIETY TESTS 2015- 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Two year averages						
Limagrain Cereal Seeds	LCS Link	74	57	16	13	32
-----	Ruth	73	55	17	13	33
-----	NE10478-1	73	56	16	13	31
WestBred	WB4462	73	56	14	13	33
PlainsGold	Langin	73	55	16	12	32
AgriPro Syngenta	SY Monument	73	55	16	13	32
Limagrain Cereal Seeds	LCS Chrome	72	56	17	14	32
CROPLAN by Winfield United	CROPLAN EXP 69-16	72	56	14	13	32
-----	NE13604	72	57	16	13	35
-----	NI13706	71	57	16	13	31
-----	NW13570	71	54	18	13	32
Kansas Wheat Alliance	Tatanka	70	56	17	12	31
WestBred	WB-Grainfield	70	56	16	13	32
-----	NW13493	70	56	16	13	32
Kansas Wheat Alliance	Oakley CL	70	56	15	13	32
AgriPro Syngenta	SY Wolf	70	54	16	13	32
Limagrain Cereal Seeds	T158	69	57	14	13	31
-----	NE12561	69	57	16	13	32
-----	NE13515	69	56	17	13	34
AgriPro Syngenta	SY Sunrise	68	55	16	13	31
Limagrain Cereal Seeds	LCS Mint	67	56	16	13	32
AgriPro Syngenta	SY Flint	67	55	17	13	32
Husker Genetics	Freeman	67	54	16	12	32
WestBred	WB4721	67	58	15	14	32
Husker Genetics	Overland	66	55	16	13	33
Husker Genetics	Robidoux	66	54	17	13	32
Dyna-Gro Seeds	Long Branch	65	55	16	13	32
----	Infinity CL	65	55	16	12	33
WestBred	Winterhawk	64	56	16	13	32
Husker Genetics	Settler CL	64	54	16	12	31
WestBred	WB4458	64	55	15	14	32
Limagrain Cereal Seeds	LCH14-77	62	56	17	13	33
----	Mace	61	53	18	13	32
----	Wesley	55	53	16	14	31
----	Scout 66	50	54	15	14	36
----	Turkey	48	55	17	14	37
Average of all entries		67	55	16	13	32
Difference required for significance at 5%		7	2	1.3	0.5	3

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS 2015- 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Three year averages						
AgriPro Syngenta	SY Monument	77	55	16	12	33
Limagrain Cereal Seeds	LCS Link	77	57	15	13	33
----	Ruth	76	56	16	13	35
WestBred	WB-Grainfield	76	57	15	12	34
Kansas Wheat Alliance	Tatanka	75	56	16	12	33
Limagrain Cereal Seeds	LCS Chrome	75	56	16	13	33
Kansas Wheat Alliance	Oakley CL	74	56	14	13	33
Husker Genetics	Freeman	74	55	15	13	33
Husker Genetics	Robidoux	73	55	16	13	34
Limagrain Cereal Seeds	T158	73	56	13	13	33
AgriPro Syngenta	SY Wolf	72	55	15	13	33
Limagrain Cereal Seeds	LCS Mint	72	56	15	12	34
AgriPro Syngenta	SY Sunrise	72	56	15	13	32
WestBred	Winterhawk	71	57	15	13	34
WestBred	WB4721	71	58	14	13	33
Dyna-Gro Seeds	Long Branch	70	55	15	13	34
AgriPro Syngenta	SY Flint	69	55	15	13	33
Husker Genetics	Overland	69	56	15	13	35
Husker Genetics	Settler CL	68	55	15	12	32
----	Infinity CL	68	56	15	13	34
----	Mace	62	53	17	13	33
----	Wesley	62	54	15	14	32
----	Scout 66	51	54	14	14	37
----	Turkey	49	55	16	14	38
Average of all entries		70	56	15	13	34
Difference required for significance at 5%		7	1	1.0	0.5	2

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS 2015- 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Four year averages						
AgriPro Syngenta	SY Monument	74	55	15	13	33
----	Ruth	73	56	15	13	35
WestBred	WB-Grainfield	71	56	15	13	34
Husker Genetics	Freeman	70	54	15	13	33
AgriPro Syngenta	SY Sunrise	69	56	14	13	32
Husker Genetics	Robidoux	69	55	16	13	34
Limagrain Cereal Seeds	T158	67	56	13	13	33
WestBred	Winterhawk	67	56	15	13	34
Husker Genetics	Overland	66	56	15	13	35
----	Infinity CL	65	55	15	13	35
Limagrain Cereal Seeds	LCS Mint	65	55	15	13	34
AgriPro Syngenta	SY Wolf	65	53	15	14	32
Husker Genetics	Settler CL	64	54	15	13	32
AgriPro Syngenta	SY Flint	63	54	15	13	33
----	Wesley	59	53	15	14	32
----	Mace	56	52	17	14	33
----	Scout 66	50	54	14	14	38
----	Turkey	48	55	16	14	39
Average of all entries		64	55	15	13	34
Difference required for significance at 5%		0	2	1.0	0.4	2



WEST DRYLAND WHEAT VARIETY TESTS - 2018

BOX BUTTE COUNTY (1/2)

Brand	Variety	Avg. Yield (bu/a)	Plant Height (inches)	Kernel Weight (000/lb)	Grain Protein (%)
Husker Genetics	Freeman	76	34	16.7	10.0
WestBred	WB-Grainfield	71	31	17.0	9.6
-----	Ruth	71	33	17.6	10.5
Dyna-Gro Seeds	Long Branch	71	32	17.0	9.8
-----	NE14443	71	34	16.6	9.4
CRFW	Cowboy	70	33	16.0	9.6
PlainsGold	Breck	69	33	16.3	9.7
PlainsGold	Avery	68	33	16.8	9.1
PlainsGold	Langin	68	31	16.7	9.5
Husker Genetics	Robidoux	67	34	17.3	10.6
-----	NE10478-1	67	32	16.5	11.1
CROPLAN by Winfield United	CROPLAN EXP 69-16	67	32	15.0	10.5
AgriPro Syngenta	SY Sunrise	66	30	14.6	10.0
PlainsGold	CO13D1783	66	34	16.4	9.4
Limagrain Cereal Seeds	LCS Chrome	65	33	17.6	10.5
Limagrain Cereal Seeds	LCS Link	65	33	14.7	10.2
WestBred	WB4462	65	34	15.0	10.4
CROPLAN by Winfield United	CROPLAN EXP 27-17	65	31	15.9	10.5
----	Panhandle	64	37	17.5	11.4
-----	NW13493	64	33	17.1	9.9
WestBred	WB4418	64	31	19.7	10.2
AgriMAXX	AM Eastwood	64	30	17.0	10.5
NuPride	Camelot	63	37	16.0	11.1
AgriPro Syngenta	07CL046-2	62	29	16.0	11.0
Limagrain Cereal Seeds	Avenger (LCH14-55)	62	30	15.5	9.8
----	Pronghorn	61	41	17.1	11.2
----	Infinity CL	61	33	17.4	10.0

TABLE CONTINUED ON NEXT PAGE

WEST DRYLAND WHEAT VARIETY TESTS - 2018

BOX BUTTE COUNTY (2/2)

Brand	Variety	Avg. Yield (bu/a)	Plant Height (inches)	Kernel Weight (000/lb)	Grain Protein (%)
Husker Genetics	Overland	61	34	18.0	10.6
Limagrain Cereal Seeds	LCS Mint	61	33	15.1	9.6
Limagrain Cereal Seeds	T158	61	30	15.3	9.3
----	NW13570	61	33	19.5	10.9
----	NI13706	60	31	16.7	10.0
----	NE12561	60	32	17.4	11.0
----	NE13515	59	34	17.1	11.2
----	NE13604	59	33	16.7	10.3
----	Wesley	58	30	17.9	11.5
----	Mace	58	30	17.9	10.9
PlainsGold	Snowmass	58	33	17.2	9.9
AgriPro Syngenta	SY Monument	58	31	16.5	9.9
WestBred	WB4721	58	31	15.5	10.0
----	Goodstreak	57	40	17.8	11.1
----	NHH144913-3	57	31	18.4	10.4
CROPLAN by Winfield United	CROPLAN EXP 56-17	57	30	17.4	9.8
AgriPro Syngenta	SY Wolf	56	32	16.5	10.3
AgriPro Syngenta	SY Rugged	56	29	15.6	10.0
WestBred	Winterhawk	54	33	17.1	10.2
Limagrain Cereal Seeds	LCH14-77	54	34	18.1	10.5
----	Scout 66	47	42	16.1	10.8
Husker Genetics	Settler CL	47	32	17.3	11.0
----	Turkey	42	40	18.3	11.4
Average of all entries		62	33	17	10
Diff. required for significance at 5%		9	2	1.8	NS

WEST DRYLAND WHEAT VARIETY TESTS 2015 - 2018 (1/3)

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Two year averages (This reflects Box Butte)						
PlainsGold	Langin	73	59	16	10	32
Husker Genetics	Freeman	73	59	16	11	34
Dyna-Gro Seeds	Long Branch	71	59	16	11	33
----	Ruth	71	60	16	12	34
WestBred	WB-Grainfield	70	59	16	11	32
PlainsGold	Avery	70	60	16	10	34
Husker Genetics	Robidoux	70	60	16	11	36
CROPLAN by Winfield United	CROPLAN EXP 69-16	69	60	14	12	32
WestBred	WB4462	68	60	14	11	36
CRFW	Cowboy	68	57	16	11	33
----	NE10478-1	67	59	16	11	32
Limagrain Cereal Seeds	LCS Link	65	59	14	11	34
----	NW13493	65	60	16	11	34
Limagrain Cereal Seeds	LCS Mint	65	61	15	11	35
----	NW13570	64	58	18	12	34
----	NI13706	64	61	16	11	32
Limagrain Cereal Seeds	T158	64	60	15	11	31
----	NE13604	64	58	16	11	35
Husker Genetics	Overland	63	59	17	12	35
----	Panhandle	63	57	16	12	37
----	Pronghorn	63	60	16	11	40
NuPride	Camelot	62	59	15	12	36
AgriPro Syngenta	SY Monument	62	58	16	11	32
Limagrain Cereal Seeds	LCS Chrome	62	58	17	12	34
----	NE13515	61	60	16	12	35
----	Infinity CL	61	59	16	11	34
PlainsGold	Snowmass	61	57	16	11	34
----	Mace	61	58	17	12	32
----	NE12561	61	60	16	12	33
WestBred	Winterhawk	60	59	16	11	34
----	Wesley	59	58	16	12	31
WestBred	WB4721	59	60	15	11	32
AgriPro Syngenta	SY Wolf	59	59	16	11	32
----	Goodstreak	58	59	17	12	40
Husker Genetics	Settler CL	55	59	16	11	33
----	Scout 66	51	59	15	12	41
----	Turkey	45	57	18	12	41
Average of all entries		63	59	16	11	34
Difference required for significance at 5%		7	NS	1.0	0.8	2

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WEST DRYLAND WHEAT VARIETY TESTS 2015 - 2018 (2/3)

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Three year averages						
Husker Genetics	Freeman	68	58	16	11	33
Dyna-Gro Seeds	Long Branch	68	59	16	12	32
----	Ruth	67	60	16	12	34
WestBred	WB-Grainfield	66	60	16	11	32
Husker Genetics	Robidoux	65	59	16	12	34
PlainsGold	Avery	64	59	16	11	33
CRFW	Cowboy	63	57	16	11	33
Limagrain Cereal Seeds	LCS Mint	63	61	14	11	33
Limagrain Cereal Seeds	T158	61	60	14	11	31
AgriPro Syngenta	SY Monument	60	58	16	11	32
Limagrain Cereal Seeds	LCS Link	60	60	14	12	33
----	Panhandle	59	58	16	12	36
Husker Genetics	Overland	59	59	17	12	34
Limagrain Cereal Seeds	LCS Chrome	58	59	17	12	33
----	Infinity CL	58	59	16	11	34
WestBred	Winterhawk	57	59	16	11	33
WestBred	WB4721	57	60	15	12	31
----	Pronghorn	57	59	16	12	39
AgriPro Syngenta	SY Wolf	57	59	16	12	32
NuPride	Camelot	57	59	15	12	34
----	Wesley	56	58	16	12	30
----	Mace	55	58	18	12	31
----	Goodstreak	53	59	17	12	38
Husker Genetics	Settler CL	53	58	16	12	32
----	Scout 66	49	59	15	12	40
----	Turkey	42	58	17	13	40
Average of all entries		59	59	16	12	34
Difference required for significance at 5%		6	NS	0.9	0.6	2

WEST DRYLAND WHEAT VARIETY TESTS 2015 - 2018 (3/3)

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Four year averages						
Husker Genetics	Freeman	57	59	16	12	33
----	Ruth	56	61	15	12	33
WestBred	WB-Grainfield	55	60	15	12	31
Husker Genetics	Robidoux	55	60	16	12	33
CRFW	Cowboy	54	58	16	11	33
PlainsGold	Avery	53	59	16	11	33
Limagrain Cereal Seeds	LCS Mint	53	61	14	11	33
Limagrain Cereal Seeds	T158	52	61	14	12	30
AgriPro Syngenta	SY Monument	52	59	16	11	31
----	Panhandle	50	59	16	12	37
Husker Genetics	Overland	50	60	16	12	34
----	Infinity CL	49	60	16	12	34
WestBred	Winterhawk	49	60	15	11	33
----	Pronghorn	48	60	16	12	39
AgriPro Syngenta	SY Wolf	48	59	16	12	31
NuPride	Camelot	48	59	14	12	34
----	Wesley	47	58	16	13	30
----	Mace	45	58	17	12	31
----	Goodstreak	45	60	16	12	38
Husker Genetics	Settler CL	44	59	15	12	32
----	Scout 66	41	60	15	12	40
----	Turkey	36	59	17	13	40
Average of all entries		49	59	16	12	34
Difference required for significance at 5%		5	1	0.8	0.5	2

WEST IRRIGATED WHEAT VARIETY TEST - 2018

BOX BUTTE COUNTY

Brand	Variety	Average Yield (bu/ac)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)
Husker Genetics	Robidoux	101	55	-	-
CROPLAN by Winfield United	CROPLAN EXP 69-16	101	56	-	-
AgriPro Syngenta	SY Wolf	100	55	-	-
WestBred	WB4418	100	55	-	-
-----	NHH144913-3	99	55	-	-
AgriMAXX	AM Eastwood	99	56	-	-
WestBred	WB4303	97	53	-	-
-----	NE12561	97	56	-	-
WestBred	WB4458	96	54	-	-
-----	NE15420	96	54	-	-
WestBred	WB-Grainfield	95	54	-	-
Limagrain Cereal Seeds	LCH14-77	95	56	-	-
WestBred	WB-Cedar	94	55	-	-
Limagrain Cereal Seeds	LCS Chrome	94	56	-	-
PlainsGold	Langin	92	56	-	-
Dyna-Gro Seeds	Long Branch	91	55	-	-
WestBred	Winterhawk	90	55	-	-
CRFW	Cowboy	89	55	-	-
AgriPro Syngenta	SY Sunrise	88	56	-	-
Limagrain Cereal Seeds	Avenger (LCH14-55)	87	56	-	-
Limagrain Cereal Seeds	LCS Link	85	55	-	-
-----	NI13706	85	56	-	-
----	Wesley	81	53	-	-
----	Wesley	81	53	-	-
Average of all entries		94	55	-	-
Difference required for significance at 5%		8	NS	-	-

IRRIGATED WHEAT VARIETY TESTS 2015 - 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Two year averages						
WestBred	WB4303	110	58	13.3	12.6	34
CROPLAN by Winfield United	CROPLAN EXP 69-16	109	61	12.8	10.9	34
AgriPro Syngenta	SY Wolf	107	61	14.3	12.0	34
PlainsGold	Langin	102	60	14.6	11.2	32
WestBred	WB-Grainfield	101	60	14.2	11.3	33
Dyna-Gro Seeds	Long Branch	101	60	14.3	11.7	36
Husker Genetics	Robidoux	100	60	14.2	11.7	36
WestBred	Winterhawk	100	61	12.8	11.6	38
Limagrain Cereal Seeds	LCS Link	99	60	14.5	11.7	37
AgriPro Syngenta	SY Sunrise	98	60	13.4	12.6	33
WestBred	WB4458	97	60	13.3	14.7	36
Limagrain Cereal Seeds	LCS Chrome	97	60	17.2	13.2	38
----	NI13706	95	61	14.3	13.1	33
----	Wesley	92	59	14.0	12.6	35
----	NE12561	91	61	13.9	12.1	36
Limagrain Cereal Seeds	LCH14-77	91	60	14.4	12.6	37
CRFW	Cowboy	90	60	14.3	12.0	36
WestBred	WB-Cedar	87	60	13.0	13.6	32
Average of all entries		98	60	14	12	35
Difference required for significance at 5%		NS	NS	NS	NS	NS



IRRIGATED WHEAT VARIETY TESTS 2015 - 2018

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Three year averages						
WestBred	WB4303	105	57	14.8	14.0	34
AgriPro Syngenta	SY Wolf	102	59	14.6	13.4	35
WestBred	WB-Grainfield	99	59	15.5	13.2	35
WestBred	Winterhawk	97	59	14.3	13.2	37
AgriPro Syngenta	SY Sunrise	95	59	13.9	13.5	34
WestBred	WB4458	95	59	13.7	14.9	36
Limagrain Cereal Seeds	LCS Chrome	94	59	17.5	14.0	37
Limagrain Cereal Seeds	LCS Link	94	59	14.6	13.1	37
Dyna-Gro Seeds	Long Branch	93	58	14.4	12.9	36
Husker Genetics	Robidoux	93	59	14.9	13.3	36
----	Wesley	87	58	14.4	13.8	35
CRFW	Cowboy	87	58	15.7	13.5	36
WestBred	WB-Cedar	86	59	13.2	14.1	33
Average of all entries		94	59	14.7	13.6	35
Difference required for significance at 5%		NS	NS	1.3	NS	2
Four year averages						
WestBred	WB-Grainfield	106	58	15.1	13.5	35
AgriPro Syngenta	SY Wolf	105	59	14.2	13.8	35
WestBred	WB4458	101	59	13.4	14.5	36
Husker Genetics	Robidoux	97	59	14.8	13.8	36
WestBred	WB-Cedar	96	59	12.7	13.8	33
----	Wesley	95	58	14.3	13.9	35
CRFW	Cowboy	93	58	15.0	13.6	36
Average of all entries		99	58	14.2	13.8	35
Difference required for significance at 5%		NS	NS	0.9	NS	NS

2018 WHEAT GRAIN YIELD RANK AT ALL LOCATIONS TESTED (1/2)

Brand	Variety	Saline	Saunders	Lancaster	Washington	Clay	Red Willow	Lincoln	Perkins	Box Butte RF	Box Butte Irr
AgriPro Syngenta	07CL046-2	-	-	-	-	-	69	64	78	62	-
AgriMAXX	AM Eastwood	46	74	102	100	55	71	72	71	64	99
Limagrain Cereal Seeds	Avenger (LCH14-55)	-	-	-	-	-	58	56	93	62	87
PlainsGold	Avery	-	-	-	-	-	-	-	-	68	-
PlainsGold	Breck	-	-	-	-	-	-	-	-	69	-
NuPride	Camelot	45	77	91	99	-	-	-	-	63	-
PlainsGold	CO13D1783	-	-	-	-	-	76	76	74	66	-
CRFW	Cowboy	-	-	-	-	-	-	-	-	70	89
CROPLAN	CROPLAN EXP 27-17	-	-	-	-	-	62	47	78	65	-
CROPLAN	CROPLAN EXP 56-17	-	-	-	-	-	68	68	97	57	-
CROPLAN	CROPLAN EXP 69-16	-	-	-	-	-	70	72	88	67	102
Husker Genetics	Freeman	45	64	90	99	52	61	66	86	76	-
----	Goodstreak	-	-	-	-	-	-	-	-	57	-
----	Infinity CL	-	-	-	-	-	71	60	92	61	-
PlainsGold	Langin	-	-	-	-	-	86	70	86	68	92
Limagrain Cereal Seeds	LCH14-77	51	73	93	98	70	63	54	85	54	95
Limagrain Cereal Seeds	LCS Chrome	45	72	99	98	68	66	73	88	65	94
Limagrain Cereal Seeds	LCS Link	44	75	104	101	64	65	78	91	66	85
Limagrain Cereal Seeds	LCS Mint	-	-	-	-	57	75	68	76	61	-
Limagrain Cereal Seeds	LCS Pistol	-	-	-	-	62	-	-	-	-	-
Dyna-Gro Seeds	Long Branch	55	78	98	102	59	69	55	82	71	91
----	Mace	-	-	-	-	-	63	58	74	58	-
-----	NE10478-1	48	84	100	105	62	77	73	89	67	-
-----	NE12561	46	76	94	102	48	68	68	96	60	97
-----	NE13515	45	66	97	96	59	71	70	88	59	-
-----	NE13604	40	76	93	96	62	71	68	92	59	-
-----	NE14443	45	74	99	104	65	67	72	100	71	-
-----	NE15420	-	-	-	-	-	-	-	-	-	96
-----	NHH144913-3	50	71	98	95	69	74	73	91	57	99
-----	NI13706	48	68	100	103	64	67	76	88	60	85
-----	NW13493	52	76	98	100	71	71	71	87	64	-
-----	NW13570	46	74	97	100	66	66	57	90	61	-

2018 WHEAT GRAIN YIELD RANK AT ALL LOCATIONS TESTED (2/2)

Brand	Variety	Saline	Saunders	Lancaster	Washington	Clay	Red Willow	Lincoln	Perkins	Box Butte RF	Box Butte Irr
Kansas Wheat Alliance	Oakley CL	-	-	-	-	-	71	65	96	-	-
Husker Genetics	Overland	46	76	96	99	70	73	61	92	61	-
----	Panhandle	-	-	-	-	-	-	-	-	64	-
----	Pronghorn	-	-	-	-	-	-	-	-	61	-
Husker Genetics	Robidoux	-	-	-	-	-	67	63	77	67	101
----	Ruth	46	67	100	106	56	72	66	81	71	-
----	Scout 66	37	69	75	82	48	57	43	67	47	-
Husker Genetics	Settler CL	-	-	-	-	-	72	72	72	47	-
PlainsGold	Snowmass	-	-	-	-	-	-	-	-	58	-
AgriPro Syngenta	SY Benefit	49	77	100	99	67	-	-	-	-	-
AgriPro Syngenta	SY Flint	-	-	-	-	-	75	72	77	-	-
AgriPro Syngenta	SY Monument	48	80	105	99	67	72	77	90	58	-
AgriPro Syngenta	SY Rugged	-	-	-	-	-	72	67	82	56	-
AgriPro Syngenta	SY Sunrise	-	-	-	-	-	72	65	77	66	88
AgriPro Syngenta	SY Wolf	48	78	104	91	68	69	60	92	56	100
Limagrain Cereal Seeds	T158	-	-	-	-	59	67	66	89	61	-
Kansas Wheat Alliance	Tatanka	-	-	-	-	-	73	73	87	-	-
----	Turkey	42	70	72	82	54	59	52	72	42	-
WestBred	WB4269	48	71	99	107	-	-	-	-	-	-
WestBred	WB4303	42	80	108	107	-	-	-	-	-	97
WestBred	WB4418	55	74	99	92	56	70	66	85	64	100
WestBred	WB4458	49	75	110	110	72	69	64	76	-	96
WestBred	WB4462	-	-	-	-	-	76	63	93	65	-
WestBred	WB4721	47	77	103	102	61	66	67	87	59	-
WestBred	WB-Cedar	49	69	95	109	-	-	-	-	-	94
WestBred	WB-Grainfield	51	73	102	102	65	74	71	83	71	95
----	Wesley	-	-	-	-	-	56	68	48	58	81
WestBred	Winterhawk	-	-	-	-	-	69	60	72	54	90
Kansas Wheat Alliance	Zenda	51	80	91	101	52	-	-	-	-	-

2018 WHEAT GRAIN PROTEIN RANK AT ALL LOCATIONS TESTED

Brand	Variety	Saline	Saunders	Lancaster	Washington	Clay	Red Willow	Perkins	Box Butte RF
AgriPro Syngenta	07CL046-2	-	-	-	-	-	13.1	11.0	11.0
AgriMAXX	AM Eastwood	15.0	13.4	13.0	12.4	13.9	13.6	10.9	10.5
Limagrain Cereal Seeds	Avenger (LCH14-55)	-	-	-	-	-	13.5	11.1	9.8
PlainsGold	Avery	-	-	-	-	-	-	-	9.1
PlainsGold	Breck	-	-	-	-	-	-	-	9.7
NuPride	Camelot	14.7	13.4	14.2	13.0	-	-	-	11.1
PlainsGold	CO13D1783	-	-	-	-	-	13.6	10.5	9.4
CRFW	Cowboy	-	-	-	-	-	-	-	9.6
CROPLAN by Winfield United	CROPLAN EXP 27-17	-	-	-	-	-	13.4	11.5	10.5
CROPLAN by Winfield United	CROPLAN EXP 56-17	-	-	-	-	-	13.6	11.2	9.8
CROPLAN by Winfield United	CROPLAN EXP 69-16	-	-	-	-	-	12.9	10.8	10.5
Husker Genetics	Freeman	14.1	12.9	12.8	12.4	12.6	12.7	10.6	10.0
----	Goodstreak	-	-	-	-	-	-	-	11.1
----	Infinity CL	-	-	-	-	-	12.8	10.3	10.0
PlainsGold	Langin	-	-	-	-	-	13.1	11.0	9.5
Limagrain Cereal Seeds	LCH14-77	13.8	12.7	13.1	12.3	12.5	13.0	10.6	10.5
Limagrain Cereal Seeds	LCS Chrome	15.1	14.0	13.6	12.7	12.9	14.1	11.4	10.5
Limagrain Cereal Seeds	LCS Link	15.0	13.2	13.7	12.3	13.3	13.5	11.5	10.2
Limagrain Cereal Seeds	LCS Mint	-	-	-	-	12.9	13.0	11.0	9.6
Limagrain Cereal Seeds	LCS Pistol	-	-	-	-	13.7	-	-	-
Dyna-Gro Seeds	Long Branch	12.9	12.4	12.9	12.4	12.6	12.8	11.1	9.8
----	Mace	-	-	-	-	-	13.2	10.8	10.9
-----	NE10478-1	14.7	13.6	13.5	13.0	13.5	13.5	10.7	11.1
-----	NE12561	15.0	13.2	13.6	12.8	13.9	13.6	11.6	11.0
-----	NE13515	15.4	14.2	13.3	13.9	14.0	14.5	10.7	11.2
-----	NE13604	15.4	13.6	13.7	13.0	13.8	13.9	10.9	10.3
-----	NE14443	14.0	12.5	12.4	11.7	12.4	12.4	11.5	9.4
-----	NHH144913-3	13.2	12.9	12.6	12.6	13.0	13.1	10.8	10.4
-----	NI13706	15.6	14.1	13.8	13.3	13.5	14.5	10.9	10.0
-----	NW13493	14.0	12.8	13.4	12.6	12.5	13.2	10.5	9.9
-----	NW13570	15.3	13.7	13.5	12.4	13.5	13.9	11.1	10.9

2018 WHEAT GRAIN PROTEIN RANK AT ALL LOCATIONS TESTED

Brand	Variety	Saline	Saunders	Lancaster	Washington	Clay	Red Willow	Perkins	Box Butte RF
Kansas Wheat Alliance	Oakley CL	-	-	-	-	-	13.0	11.2	-
Husker Genetics	Overland	14.4	13.5	13.3	12.7	13.0	13.2	10.7	10.6
----	Panhandle	-	-	-	-	-	-	-	11.4
----	Pronghorn	-	-	-	-	-	-	-	11.2
Husker Genetics	Robidoux	-	-	-	-	-	13.4	10.7	10.6
-----	Ruth	14.6	13.1	13.4	12.7	12.7	12.9	10.2	10.5
----	Scout 66	14.4	14.1	15.0	13.9	13.9	13.2	12.4	10.8
Husker Genetics	Settler CL	-	-	-	-	-	12.6	10.3	11.0
PlainsGold	Snowmass	-	-	-	-	-	-	-	9.9
AgriPro Syngenta	SY Benefit	14.0	12.5	12.7	12.4	13.1	-	-	-
AgriPro Syngenta	SY Flint	-	-	-	-	-	13.8	10.6	-
AgriPro Syngenta	SY Monument	14.2	12.9	13.4	12.3	13.4	12.8	11.2	9.9
AgriPro Syngenta	SY Rugged	-	-	-	-	-	12.2	10.9	10.0
AgriPro Syngenta	SY Sunrise	-	-	-	-	-	12.9	11.3	10.0
AgriPro Syngenta	SY Wolf	14.7	13.3	13.7	13.0	13.3	14.1	10.0	10.3
Limagrain Cereal Seeds	T158	-	-	-	-	12.9	12.7	11.6	9.3
Kansas Wheat Alliance	Tatanka	-	-	-	-	-	12.5	10.0	-
----	Turkey	14.8	14.3	15.8	14.5	14.2	14.4	11.9	11.4
WestBred	WB4269	13.4	12.5	12.3	11.9	-	-	-	-
WestBred	WB4303	15.2	14.0	13.8	13.1	-	-	-	-
WestBred	WB4418	13.8	13.1	12.7	12.3	13.8	13.3	11.4	10.2
WestBred	WB4458	14.7	12.8	12.9	12.2	13.2	14.2	11.0	-
WestBred	WB4462	-	-	-	-	-	13.3	11.6	10.4
WestBred	WB4721	15.1	13.2	13.2	13.1	13.8	13.8	12.0	10.0
WestBred	WB-Cedar	13.9	13.1	13.0	12.3	-	-	-	-
WestBred	WB-Grainfield	14.0	12.8	12.8	11.7	12.5	12.9	10.8	9.6
----	Wesley	-	-	-	-	-	14.8	11.4	11.5
WestBred	Winterhawk	-	-	-	-	-	13.3	10.7	10.2
Kansas Wheat Alliance	Zenda	14.3	13.4	13.9	12.5	13.8	-	-	-

2018 WHEAT BUSHEL WEIGHT RANK AT ALL LOCATIONS TESTED (1/2)

Brand	Variety	Saline	Saunders	Washington	Clay	Red Willow	Lincoln	Perkins	Box Butte Irr.
WestBred	WB4721	59	60	61	57	62	60	60	-
CROPLAN by Winfield United	CROPLAN EXP 56-17	-	-	-	-	61	57	61	-
-----	NE12561	59	59	61	-	61	57	60	56
Limagrain Cereal Seeds	LCS Mint	-	-	-	55	62	58	58	-
Kansas Wheat Alliance	Oakley CL	-	-	-	-	61	56	60	-
Limagrain Cereal Seeds	T158	-	-	-	55	61	57	59	-
AgriPro Syngenta	SY Flint	-	-	-	-	61	57	59	-
-----	NE10478-1	58	59	59	56	61	57	59	-
AgriPro Syngenta	SY Benefit	58	59	60	54	-	-	-	-
-----	NW13493	58	59	60	56	61	55	60	-
Limagrain Cereal Seeds	LCS Link	57	59	61	54	60	59	60	55
Kansas Wheat Alliance	Tatanka	-	-	-	-	61	56	59	-
Limagrain Cereal Seeds	LCH14-77	57	59	60	55	59	56	61	56
Kansas Wheat Alliance	Zenda	58	58	59	-	-	-	-	-
----	Infinity CL	-	-	-	-	60	56	60	-
WestBred	Winterhawk	-	-	-	-	61	56	59	55
-----	NI13706	57	57	59	55	59	58	59	56
-----	NE13515	58	59	60	55	60	55	60	-
CROPLAN by Winfield United	CROPLAN EXP 69-16	-	-	-	-	59	57	59	56
WestBred	WB4418	58	58	59	55	61	56	57	55
PlainsGold	Langin	-	-	-	-	61	56	58	56
Limagrain Cereal Seeds	LCS Chrome	57	58	59	53	59	58	59	56
WestBred	WB4458	58	58	60	54	61	56	59	54
-----	NE13604	56	59	59	55	59	57	59	-
WestBred	WB-Grainfield	59	58	59	55	59	58	58	54
AgriPro Syngenta	SY Rugged	-	-	-	-	61	56	58	-
CROPLAN by Winfield United	CROPLAN EXP 27-17	-	-	-	-	59	56	59	-
AgriPro Syngenta	SY Wolf	57	59	59	55	60	54	58	55
Husker Genetics	Overland	57	58	59	54	61	55	59	-

TABLE CONTINUED ON NEXT PAGE

2018 WHEAT BUSHEL WEIGHT RANK AT ALL LOCATIONS TESTED (2/2)

Brand	Variety	Saline	Saunders	Washington	Clay	Red Willow	Lincoln	Perkins	Box Butte Irr.
NuPride	Camelot	57	58	59	-	-	-	-	-
AgriPro Syngenta	SY Sunrise	-	-	-	-	61	55	57	56
AgriPro Syngenta	07CL046-2	-	-	-	-	61	56	57	-
Husker Genetics	Settler CL	-	-	-	-	60	55	59	-
----	Turkey	57	59	59	-	58	55	59	-
AgriMAXX	AM Eastwood	57	57	59	53	60	56	56	56
CRFW	Cowboy	-	-	-	-	-	-	-	55
Limagrain Cereal Seeds	LCS Pistol	-	-	-	54	-	-	-	-
-----	Ruth	57	57	58	54	59	55	57	-
Limagrain Cereal Seeds	Avenger (LCH14-55)	-	-	-	-	57	56	58	56
WestBred	WB4462	-	-	-	-	61	53	59	-
-----	NE14443	55	57	58	54	58	56	58	-
----	Scout 66	56	59	59	-	57	52	60	-
WestBred	WB4269	56	56	59	-	-	-	-	-
Husker Genetics	Robidoux	-	-	-	-	59	54	57	55
Dyna-Gro Seeds	Long Branch	56	57	57	54	60	52	58	55
AgriPro Syngenta	SY Monument	56	57	58	51	59	56	58	-
-----	NE15420	-	-	-	-	-	-	-	54
WestBred	WB-Cedar	56	56	57	-	-	-	-	55
-----	NW13570	56	56	59	53	57	51	58	-
----	Mace	-	-	-	-	59	52	57	-
WestBred	WB4303	54	56	58	-	-	-	-	53
-----	NHH144913-3	56	55	56	53	57	53	56	55
Husker Genetics	Freeman	55	55	57	54	56	54	57	-
PlainsGold	CO13D1783	-	-	-	-	57	54	56	-
----	Wesley	-	-	-	-	57	56	53	53
----	Wesley	59	52	56	56		43	51	56
WestBred	Winterhawk	-	-	-	58		49	52	56
Kansas Wheat Alliance	Zenda	62	58	59	-		-	-	-

2018 WINTER TRITICALE VARIETY TRIAL LINCOLN AND MEAD

Entry Name	Lincoln				Mead					Average	
	Grain Yield (lb/ac)	Bushel Weight (lbs/bu)	Plant height (in)	Heading Date (After Jan. 1)	Grain Yield (lb/ac)	Bushel Weight (lbs/bu)	Plant height (in)	Dry Biomass (lbs/a)	Dry Matter (%)	Grain Yield (lb/ac)	Plant height (in)
NT16402	3692	49	46	143	3692	48	38	3022	28	3692	42
NT16404	3807	49	45	146	3207	51	46	3047	26	3507	46
NT16406	3664	48	47	147	3344	48	43	2919	25	3504	45
NT12404-1	4207	50	42	144	3794	48	39	3007	28	4001	41
NT12425-1	3424	50	35	143	3280	48	33	2529	26	3352	34
NT05421	3766	47	46	146	3418	48	46	2891	24	3592	46
NT06427	3764	45	43	145	3390	45	39	2780	25	3577	41
NT07403	4274	50	42	143	3739	49	41	2975	29	4007	41
NT09423	3768	49	42	146	3293	49	42	2622	24	3531	42
NT11428	4085	49	49	146	3534	50	46	2771	25	3810	47
NT12403	4409	49	45	144	3760	48	36	2938	27	4085	40
OVERLAND	3520	58	34	147	3222	58	32	2525	25	3371	33
NT13416	3652	49	45	145	3477	50	45	3035	28	3565	45
NT14407	3910	50	44	145	3869	50	43	2964	27	3890	44
NT14433	3269	51	46	146	3346	51	51	3311	27	3308	49
NT15406	3785	52	43	144	3370	51	42	2947	30	3578	42
NT15428	3886	48	43	144	3586	47	39	2842	27	3736	41
NT15440	3642	47	45	147	3342	48	45	2893	27	3492	45
NT441	3584	49	47	149	2998	50	46	2871	22	3291	47
NT13443	3220	49	53	147	3390	49	47	2772	25	3305	50
NT17441	4694	50	50	147	3924	50	50	2798	23	4309	50
NT17442	4196	50	48	149	3764	51	45	2940	22	3980	47
NT17430	3549	49	42	146	3528	49	37	2693	28	3539	39
NT17422	3943	47	45	145	3563	47	42	2999	27	3753	43
NT17406	3641	50	44	145	3321	50	43	2716	25	3481	43
NT17402	3170	48	41	144	3203	48	40	2493	26	3187	40
NT17407	4029	51	46	145	3421	51	46	2991	28	3725	46
NT17410	4409	47	43	144	3659	45	41	2969	26	4034	42
NT17403	3806	44	40	147	3550	45	38	2645	24	3678	39
NT17420	3751	50	46	145	3684	50	43	2786	28	3718	44
Average all entries	3278	3615	3375	3422	-	53	138				
Diff. for sig. 5%	671	558	711	-	-	-	-				

2018 WINTER BARLEY VARIETY TRIAL MEAD-NE, LINCOLN-NE, AND SIDNEY-NE

Entry Name	Yield (lbs/ac)					
	Mead	Lincoln	Colby	Stillwater	Average	Rank
NB17431	3418	3370	2541	4135	2693	1
NB15420	3542	3508	2095	4219	2673	2
NB17415	3192	3032	2396	4185	2561	3
NB12437	2681	2880	2901	4331	2559	4
NB15441	3130	3199	2158	4240	2545	5
NB17401	3044	2783	2453	4243	2505	6
NB11416	2940	3356	2248	3963	2501	7
NB17409	2571	3179	2542	4214	2501	8
NB14404	2624	3571	2049	4233	2495	9
NB14422	2358	3823	1982	4306	2494	10
NB15415	2841	3490	1985	4102	2484	11
NB17411	2417	3293	2662	3890	2452	12
NB11414	2797	3196	2296	3961	2450	13
NB15417	2849	3162	1930	4229	2434	14
NB10444	2330	2974	2686	4163	2431	15
NB16412	2491	3153	2215	4228	2417	16
NB12434	2718	3090	2149	4090	2409	17
NB17423	2296	2907	2238	4576	2403	18
NB15442	2532	3362	1948	4174	2403	19
NB17436	2368	2504	2573	4533	2396	20
NB17430	2690	3362	1884	4006	2388	21
NB17412	2263	2919	2601	4119	2380	22
NB10425	2110	3242	2240	4182	2355	23
P-954	2297	3028	2136	4248	2342	24
NB14405	2437	3147	2633	3367	2317	25
NB17438	2623	3056	1741	4149	2314	26
NB99845	2200	3456	1862	3991	2302	27
NB15419	NA	2829	1978	4348	2289	28
NB14430	2608	2819	1929	4026	2276	29
NB14428	1771	2852	2146	4398	2233	30
NB16433	2103	3024	1877	3852	2171	31
NB16437	2395	2506	1981	3920	2160	32
NB17427	1663	2814	1856	4202	2107	33
NB17422	1623	2943	2092	3863	2104	34
NB17403	2289	2865	1650	3679	2097	35
NB17419	2285	2750	1135	4013	2037	36
NB16411	2236	2732	1748	2991	1941	37
NB16434	1851	2245	1671	3606	1875	38
NB17435	2028	2337	1380	3589	1867	39
NB17443	1102	1324	1441	2644	1302	40
Average of all entries	2454	3002	2101	4030	2317	-
Least Significant Difference (5%)	NS	402	443	434	-	-
Coefficient of Variation (%)	8	8	13	7	-	-

	Bu. Wt. (lbs/bu)	Heading Date (Date After Jan. 1)			Average Plant Height (in)	
	Colby	Mead	Lincoln	Stillwater	Lincoln	Stillwater
	45	146	141	113	29	30
	46	144	137	109	26	27
	45	146	141	111	27	29
	43	144	143	115	26	28
	47	144	140	109	26	27
	47	147	142	114	27	32
	45	144	138	112	25	18
	44	148	142	115	26	30
	43	145	137	111	24	27
	42	145	141	113	23	25
	50	145	140	110	26	27
	44	148	141	115	26	21
	43	146	140	113	23	27
	46	145	139	110	27	27
	41	147	143	112	27	29
	45	144	141	112	25	29
	48	146	141	110	24	27
	40	147	142	111	24	25
	46	146	140	111	25	27
	37	144	139	111	28	32
	40	143	137	109	24	28
	45	150	142	116	25	30
	42	145	142	113	28	31
	45	145	142	112	25	28
	44	148	143	115	28	31
	42	143	137	109	25	27
	42	143	137	109	25	28
	42	149	141	112	26	29
	47	145	140	110	23	25
	43	147	142	111	25	26
	46	144	138	108	26	28
	42	145	137	109	25	29
	41	147	141	109	25	27
	42	147	142	113	27	19
	38	145	141	110	27	27
	35	143	137	109	25	26
	46	144	137	111	27	30
	43	146	141	109	24	28
	35	143	139	110	26	19
	30	144	139	114	33	34
	43	145	140	111	26	27
	5	2	2	1	3	9
	7	1	1	1	7	20



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