Fall

SEED GUIDE 2014

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

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WELCOME TO THE 2014 FALL SEED GUIDE

Crops include in this guide are winter wheat, winter barley, and triticale. You may receive this guide in the mail or through the University of Nebraska Extension network. The data and other information this guide is based on can be found at our web site: [http://cropwatch.unl.edu/varietytest/](http://cropwatch.unl.edu/varietytest/) and [http://digitalcommons.unl.edu/ncia](http://digitalcommons.unl.edu/ncia). Additional information is available at the wheat variety virtual tour web site [http://cropwatch.unl.edu/wheat/virtual](http://cropwatch.unl.edu/wheat/virtual) or the winter wheat variety selection tool page [http://citnews.unl.edu/winter_wheat_tool/index.shtml](http://citnews.unl.edu/winter_wheat_tool/index.shtml).

Our rainfed plots in Keith County were lost to hail damage. Last season we had moist soil conditions at planting for the majority of the locations. There was good crop emergence and pre-frost kill growth. Pest and disease incidence was normal except for some incidence of wheat streak mosaic and a high incidence of *Cephalosporium* stripe. Other diseases reported included bacterial streak, *Septoria tritici* blotch, tan spot, *Fusarium* head blight, and loose smut. No rust diseases were reported. Other challenges to the 2014 wheat crop included dry conditions at grain filling, relatively wet and cool growing condition at stem elongation, and some pest problems in the west. Overall, yield return was very good from test plots compared to the previous year.

- Teshome Regassa, Ph. D.

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UNL EXTENSION CIRCULAR 103
FALL SEED GUIDE
- August 2014 -

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ACKNOWLEDGMENTS
This circular is a progress report of variety trials conducted by personnel of the Agronomy Department, West Central, and Panhandle Research and Extension Centers and their associated agricultural laboratories. Conduct of experiments and publication of results is a joint effort of the Agricultural Research Division and the Cooperative Extension Service. Tests were supported in part by fees paid by commercial seed companies and the Nebraska Wheat Board.

Special acknowledgment is made to farmer cooperators who furnished land for experiments; also to Extension Educators and others who assisted with the tests. The authors wish to acknowledge the assistance of the technical support staff: Neal Mattox, Greg Dorn, Richard Little, Jeff Golus, Vern Florke, Mary Guttieri, Mitch Montgomery, along with many student workers and graduate students. Their help is vital to this research.

We would like to thank the Nebraska Wheat Board for contributing wheat check-off money and the Nebraska Agricultural Statistics Service for compiling data on varieties and production of wheat.

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).

WINTER WHEAT PERFORMANCE
There were 16 trials planted across Nebraska in the fall of 2014. The Keith dryland site was lost due to hail damage during the growing season. 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 are shown in Table B. Plot sizes varied with location. Nursery-type plots of six rows wide and 15 to 35 feet long were planted at test locations. All tests were direct combined. Entries were replicated 3 to 6 times.

According to the National Agricultural Statistics Service, winter wheat was sown on 1.5 million acres. 1.4 million acres were harvested producing a projected 56 million bushels of grain. The average winter wheat yield of Nebraska for all wheat harvested during the summer of 2014 was projected to be 40 bushels per acre (bu/a). Winter wheat yields and production from the previous 10 years are reported below.

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Yield (bu/a)</td>
<td>37</td>
<td>39</td>
<td>36</td>
<td>43</td>
<td>44</td>
<td>48</td>
<td>43</td>
<td>44</td>
<td>42</td>
<td>36</td>
<td>40*</td>
</tr>
<tr>
<td>NE Total (mill. bu)</td>
<td>61.05</td>
<td>68.64</td>
<td>61.2</td>
<td>84.28</td>
<td>73.48</td>
<td>76.8</td>
<td>64.07</td>
<td>65.25</td>
<td>55.44</td>
<td>41.76</td>
<td>56*</td>
</tr>
</tbody>
</table>

*Projection as of Aug 1 2014
WINTER WHEAT VARIETY SELECTION

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. A more in depth discussion of variety complementation is found in the Crop Improvement section. In order to help select varieties with diverse parentages, the related families of many varieties are included in the characteristics chart.

Protein data was 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 and other relevant information at the following link: http://cropwatch.unl.edu/varietytest/wheat.

RESULTS AT INDIVIDUAL LOCATIONS

Southeast:

There were three rainfed trials conducted in the Southeast District at Saunders, Lancaster, and Saline counties.

- The Saline County Rainfed test was planted on October 9th into soybean stubble. 100 lbs of 11-52-0 was applied in the fall followed by 100 lb of actual N in the spring. Plots were harvested on July 17th with a top yield of 91 bu/ac and an average yield of 80 bu/ac.

- The Saunders County Rainfed test was planted on October 1st. A total of 80 lbs N was applied. Plots were harvested on July 15th with a top yield of 55 bu/ac and an average yield of 49 bu/ac. Cold winter, cold temperature at peak growing period and unusually wet growing season favored tall varieties including historic checks. Bacterial streak was observed but not scored. The tall varieties did escape (avoided) bacterial streak, the prevalent disease which is mainly splash distributed. Thus, among other factors, bacterial streak may have aggravated the drop in yield for the shorter varieties. Bleached heads (Cephalosporium stripe) were observed on some plots which may explain the drop in test weight and shriveled kernels.

- The Lancaster County Rainfed test was planted on October 2nd on soybean ground. 50 lb N and 80 lb P was applied as fertilizer. Plots were harvested on July 7th with a top yield of 87 bu/ac and an average yield of 79 bu/ac.

South Central:

There was one rainfed trial conducted in the South Central District at Clay Center in Clay County

- The Clay County Rainfed test was planted on September 23rd. A total of 75 lbs N was applied. Plots were harvested on July 16th with a top yield of 68 bu/ac and an average yield of 54 bu/ac.
West Central:

Five locations were planted in the West Central District. One irrigated trial was planted in Chase County. Rainfed trials were planted in Furnas, Red Willow, Keith, and Lincoln counties. All rainfed sites were left fallow during the previous growing season with corn as the crop before.

- The Chase County Irrigated test was planted on October 2nd. Prior to planting 50 lbs N was applied followed by 30 lb 11-52-0 as starter. In the spring 60 lb N and 50 lb N via fertigation was applied. Plots were harvested on July 16th with a top yield of 127 bu/ac and an average yield of 111 bu/ac.
- The Keith County Rainfed test was planted on September 26th but unfortunately had severe hail damage during the season. This site was not harvested.
- The Furnas County Rainfed test was planted on September 20th. 20 lb of 11-52-0 was applied as starter. Plots were harvested on July 9th with a top yield of 65 bu/ac and an average yield of 42 bu/ac.
- The Red Willow County Rainfed test was planted on September 21st. 20 lb of 11-52-0 was applied as starter. Plots were harvested on July 8th with a top yield of 95 bu/ac and an average yield of 81 bu/ac.
- The Lincoln County Rainfed test was planted on September 23rd. Prior to planting 32-0-0 was applied at 60 lbs/ac along with 20 lb 11-52-0 starter. Plots were harvested on July 22nd with a top yield of 58 bu/ac and an average yield of 44 bu/ac.

Panhandle:

Six locations were planted in the Panhandle District. One irrigated trial was planted in Box Butte County. Rainfed trials were planted in Box Butte, Cheyenne, Dawes, Deuel, and on the NE-WY Stateline.

- The Box Butte County Irrigated trial was planted on September 29th. The field had 100 lb N and 30 lb of P₂O₅ applied. Plots were harvested with a top yield of 121 bu/ac and an average yield of 103 bu/ac.
- The Cheyenne County Rainfed trial was planted on September 19th. A total of 50 lbs N was applied. Plots were harvested on July 23rd with a top yield of 51 bu/ac and an average yield of 40 bu/ac.
- The Deuel County Rainfed trial was planted on September 9th. A total of 60 lbs N was applied. Plots were harvested on July 19th with a top yield of 50 bu/ac and an average yield of 41 bu/ac.
- The NE-WY Stateline Rainfed trial was planted on September 18th. Plots were harvested on July 23rd with a top yield of 58 bu/ac and an average yield of 30 bu/ac.
- The Dawes County Rainfed test was planted on September 16th. Plots were harvested on July 26th with a top yield of 79 bu/ac and an average yield of 68 bu/ac.
- The Box Butte County Rainfed trial was planted on September 17th. Plots were harvested on July 23rd with a top yield of 75 bu/ac and an average yield of 67 bu/ac.

Organic Trial:

- The Clay County Organic test was planted on September 25th and harvested on July 17th. This organic site uses a crop rotation of 3 years alfalfa, corn, soybean, wheat/vetch, and popcorn. At harvest, this trial had a top yield of 72 bu/ac and an average yield of 63 bu/ac.
### TABLE A - LOCATION SUMMARY FOR NEBRASKA WINTER WHEAT VARIETY TRIALS - 2014

<table>
<thead>
<tr>
<th>Location</th>
<th>Cooperator</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Dates</th>
<th>Location Yields (bu/a)</th>
<th>Plant</th>
<th>Harvest</th>
<th>Top Yield</th>
<th>Plot Avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Southeast</strong></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Saline Rainfed</td>
<td>Dennis Broz; Wilber, NE</td>
<td>40.437061</td>
<td>-97.131023</td>
<td>10/9/13</td>
<td>7/17/14</td>
<td>91</td>
<td>80</td>
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</tr>
<tr>
<td>Saunders Rainfed</td>
<td>UNL ARDC; Ithaca, NE</td>
<td>41.164626</td>
<td>-96.418763</td>
<td>10/1/13</td>
<td>7/15/14</td>
<td>55</td>
<td>49</td>
<td></td>
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<tr>
<td>Lancaster Rainfed</td>
<td>UNL Havelock Farm; Lincoln, NE</td>
<td>40.855516</td>
<td>-96.607338</td>
<td>10/2/13</td>
<td>7/7/14</td>
<td>87</td>
<td>79</td>
<td></td>
<td></td>
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<tr>
<td><strong>South Central</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Clay Rainfed</td>
<td>South Central Res &amp; Ext Center; Harvard, NE</td>
<td>40.575268</td>
<td>-98.137822</td>
<td>9/23/13</td>
<td>7/16/14</td>
<td>68</td>
<td>54</td>
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<tr>
<td><strong>West Central</strong></td>
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<tr>
<td>Keith Rainfed</td>
<td>UNL Water Resources Field Lab; Brule, NE</td>
<td>41.158241</td>
<td>-101.985025</td>
<td>9/26/13</td>
<td>Lost to Hail Damage</td>
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<tr>
<td>Furnas Rainfed</td>
<td>Rex McClain; Arapahoe, NE</td>
<td>40.148640</td>
<td>-99.894510</td>
<td>9/20/13</td>
<td>7/9/14</td>
<td>65</td>
<td>42</td>
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<td>Red Willow Rainfed</td>
<td>Cappel Farms; McCook, NE</td>
<td>40.265580</td>
<td>-100.696370</td>
<td>9/21/13</td>
<td>7/8/14</td>
<td>95</td>
<td>81</td>
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<td>Lincoln Rainfed</td>
<td>UNL WCREC; North Platte, NE</td>
<td>41.055306</td>
<td>-100.748613</td>
<td>9/23/13</td>
<td>7/22/14</td>
<td>58</td>
<td>44</td>
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<tr>
<td><strong>Panhandle (West)</strong></td>
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<td></td>
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<tr>
<td>Cheyenne Rainfed</td>
<td>High Plains Ag Lab; Sidney, NE</td>
<td>41.231450</td>
<td>-103.013400</td>
<td>9/19/13</td>
<td>7/23/14</td>
<td>51</td>
<td>40</td>
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<tr>
<td>Deuel Rainfed</td>
<td>Terry Akenson; Chappel, NE</td>
<td>41.215700</td>
<td>-102.475830</td>
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<td>7/19/14</td>
<td>50</td>
<td>41</td>
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<tr>
<td>NE-WY Stateline Rainfed</td>
<td>Lou Hubbs; Hawk Springs, WY</td>
<td>41.465700</td>
<td>-104.035200</td>
<td>9/18/13</td>
<td>7/23/14</td>
<td>58</td>
<td>30</td>
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<tr>
<td>Sheridan/Dawes Rainfed</td>
<td>Gil Nitsch; Chadron, NE</td>
<td>42.825710</td>
<td>-102.939760</td>
<td>9/16/13</td>
<td>7/26/14</td>
<td>79</td>
<td>68</td>
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<tr>
<td><strong>Irrigated</strong></td>
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<tr>
<td>Box Butte Rainfed</td>
<td>Cullan Farms; Hemingford, NE</td>
<td>42.249106</td>
<td>-103.014679</td>
<td>9/17/13</td>
<td>7/23/14</td>
<td>75</td>
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<tr>
<td>Box Butte Irrigated</td>
<td>Darby Jesperon; Hemingford, NE</td>
<td>42.328800</td>
<td>-103.072420</td>
<td>9/29/13</td>
<td>8/4/14</td>
<td>121</td>
<td>103</td>
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<tr>
<td>Chase Irrigated</td>
<td>Tom Luhrs; Enders, NE</td>
<td>40.483930</td>
<td>-101.497320</td>
<td>10/2/13</td>
<td>7/16/14</td>
<td>127</td>
<td>111</td>
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<tr>
<td><strong>Organic</strong></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Clay Organic</td>
<td>South Central Res &amp; Ext Center; Harvard, NE</td>
<td>40.575369</td>
<td>-98.143686</td>
<td>9/25/13</td>
<td>7/17/14</td>
<td>72</td>
<td>63</td>
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### TABLE B - ENTRIES AND CONTACT INFORMATION

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

<table>
<thead>
<tr>
<th>Company</th>
<th>Entries:</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGSECO</td>
<td><strong>Entries:</strong> Tam 113</td>
<td>P. O. Box 7, Girard, KS 66743&lt;br&gt;agseco.com</td>
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<td>Crop Rsch Foundation of WY</td>
<td><strong>Entries:</strong> Cowboy</td>
<td>P.O. Box 1778, Laramie, WY 82073-1778&lt;br&gt;wyomingwheat.com</td>
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<td>Husker Genetics</td>
<td><strong>Entries:</strong></td>
<td>1071 County Rd G, Ithaca, NE 68033&lt;br&gt;huskergenetics.unl.edu</td>
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<tr>
<td>Limagrain Cereal Seeds</td>
<td><strong>Entries:</strong> LCS Mint, LCS Wizard, LCH10-13, T158, T163</td>
<td>6414 N. Sheridan, Wichita, KS 67204&lt;br&gt;limagraincerealseeds.com</td>
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<tr>
<td>Montana Foundation Seed</td>
<td><strong>Entries:</strong> Bearpaw, Judee, Warhorse</td>
<td>Dept Plant Sci Montana St University&lt;br&gt;Bozeman, MT 59717-3150&lt;br&gt;plantsciences.montana.edu/FoundationSeed</td>
</tr>
<tr>
<td>PlainsGold</td>
<td><strong>Entries:</strong></td>
<td>Colorado State University&lt;br&gt;Fort Collins, CO 80523&lt;br&gt;plainsgold.com</td>
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<td>Syngenta - AgriPro</td>
<td><strong>Entries:</strong> SY Wolf, SY Southwind, SY Monument</td>
<td>#29 Rolling Hills Road&lt;br&gt;Kearney, NE 68845&lt;br&gt;agripro.com</td>
</tr>
<tr>
<td>WestBred</td>
<td><strong>Entries:</strong></td>
<td>800 N. Lindbergh Ave.&lt;br&gt;St. Louis, MO 63167&lt;br&gt;westbred.com</td>
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</tbody>
</table>
### TABLE C - SOIL TYPE, PREVIOUS CROP, FERTILIZERS AND HERBICIDES/FUNGICIDES APPLIED

<table>
<thead>
<tr>
<th>Location</th>
<th>Soil Type</th>
<th>Tillage System</th>
<th>Previous Crop(s)</th>
<th>Fertilizer</th>
<th>Herbicide/Fungicide</th>
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</thead>
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<tr>
<td><strong>Southeast</strong></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Saline Rainfed</td>
<td>Crete silt loam</td>
<td>No-till</td>
<td>Soybean</td>
<td>100 lb 11:52:0; 100 lb actual N</td>
<td>2,4-D; 10.5oz Quilt XL</td>
</tr>
<tr>
<td>Saunders Rainfed</td>
<td>Crete silt loam</td>
<td>Conventional</td>
<td>Oats</td>
<td>80 lb N</td>
<td>2,4-D + Prowl</td>
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<tr>
<td>Lancaster Rainfed</td>
<td>Butler silt loam</td>
<td>Conventional</td>
<td>Soybean</td>
<td>50 lb N; 80 lb P</td>
<td>0.4 oz Finesse + NIS 1qt/100 gal</td>
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<tr>
<td><strong>South Central</strong></td>
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<td></td>
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<tr>
<td>Clay Rainfed</td>
<td>Crete silt loam</td>
<td>Conventional</td>
<td>Fallow (Corn)</td>
<td>75 lb N</td>
<td>-</td>
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<tr>
<td><strong>West Central</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Furnas Rainfed</td>
<td>Holdrege silt loam</td>
<td>No-till</td>
<td>Fallow (Corn)</td>
<td>20 lb/a 11-52-0 starter</td>
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<tr>
<td>Red Willow Rainfed</td>
<td>Holdrege and Keith silt loam</td>
<td>Light field cultivation before planting</td>
<td>Fallow (Corn)</td>
<td>20 lb/a 11-52-0 starter</td>
<td>0.35 oz/a Amber</td>
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<td>Lincoln Rainfed</td>
<td>Holdrege silt loam</td>
<td>No-till</td>
<td>Fallow (Corn)</td>
<td>60lb 32-0-0 PRE; 20 lb 11-52-0</td>
<td>0.35 oz/a Amber</td>
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<td><strong>Panhandle (West)</strong></td>
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<tr>
<td>Cheyenne Rainfed</td>
<td>Rosebud loam</td>
<td>Conventional</td>
<td>Fallow (Corn)</td>
<td>50 lb N</td>
<td>-</td>
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<tr>
<td>Deuel Rainfed</td>
<td>Alliance loam</td>
<td>Conventional</td>
<td>Fallow (Corn)</td>
<td>60 lb N</td>
<td>-</td>
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<tr>
<td>NE-WY Stateline</td>
<td>Keith loam</td>
<td>Conventional</td>
<td>Fallow (Wheat)</td>
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<td>-</td>
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<td>Dawes Rainfed</td>
<td>Tripp silt loam</td>
<td>Conventional</td>
<td>Fallow (Wheat)</td>
<td>-</td>
<td>2,4-D + Dicamba pre joint</td>
</tr>
<tr>
<td>Box Butte Rainfed</td>
<td>Alliance loam</td>
<td>Conventional</td>
<td>Fallow (Wheat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Irrigated</strong></td>
<td></td>
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### Target Environment

1 = Early 9 = Late
1 = Tender 9 = Hardy
1 = Weak 9 = Strong
1 = Short 9 = Tall
1 = High 9 = Low

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UNIVERSITY OF NEBRASKA-LINCOLN EXTENSION | DEPARTMENT OF AGRONOMY & HORTICULTURE VARIETY TESTING PROGRAM
## SOUTHEAST DRYLAND WHEAT VARIETY TESTS - 2014
**SALINE, SAUNDERS, AND LANCASTER COUNTIES**

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<th>Lancaster Yield (bu/a)</th>
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| **Difference required for significance at 5%** | 6 | 1 | 0.9 | 0.5 | 2 |

| **Five year averages** |              |                    |                       |                        |                   |                      |
|------------------------|--------------|--------------------|-----------------------|------------------------|                   |                      |
| WESTBRED               | Winterhawk   | 60                 | 59                    | 14.7                   | 13.0              | 32                   |
| Husker Genetics        | Robidoux     | 59                 | 57                    | 15.4                   | 13.2              | 32                   |
| Husker Genetics        | Settler CL   | 59                 | 57                    | 14.5                   | 13.1              | 31                   |
| -----                  | Freeman      | 58                 | 57                    | 15.8                   | 12.9              | 32                   |
| Husker Genetics        | Overland     | 58                 | 59                    | 14.6                   | 13.1              | 34                   |
| -----                  | Wesley       | 57                 | 57                    | 14.4                   | 13.7              | 30                   |
| -----                  | Infinity CL  | 57                 | 58                    | 14.9                   | 13.0              | 34                   |
| Husker Genetics        | McGill       | 56                 | 57                    | 16.1                   | 13.0              | 33                   |
| -----                  | NW03666 (W)  | 56                 | 58                    | 14.8                   | 13.2              | 32                   |
| -----                  | Alliance     | 56                 | 57                    | 15.6                   | 13.0              | 33                   |
| NuPride                | Camelot      | 53                 | 56                    | 14.1                   | 13.7              | 34                   |
| -----                  | Mace         | 51                 | 55                    | 16.5                   | 13.1              | 30                   |
| -----                  | Scout 66     | 44                 | 57                    | 14.7                   | 13.8              | 37                   |
| -----                  | Turkey       | 41                 | 57                    | 15.9                   | 14.4              | 37                   |
| **Average of all entries** |            | 54                 | 57                    | 15                    | 13                | 33                   |

| **Difference required for significance at 5%** | 5 | 1 | 0.9 | 0.5 | 2 |
## WEST DRYLAND WHEAT VARIETY TESTS - 2014
### CHEYENNE, KIMBALL, STATE LINE AND BOX BUTTE COUNTY

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**CHEYENNE, KIMBALL, STATE LINE AND BOX BUTTE COUNTY**

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Average of all entries: 63 bushels/acre, 59 pounds/bushel, 34 inches, 13.3% kernel weight, 13.9% grain protein.

Difference required for significance at 5%: 7 bushels/acre, 1 pound/bushel, 2 inches, 0.9% kernel weight, 0.3% grain protein.
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Key to: 1=Saline, 2=Saunders, 3=Lancaster, 4=Clay, 5=Furnas, 6=Red Willow, 7=Lincoln, 8=Cheyenne, Locations: 9=Deuel, 10=State Line, 11=Dawes, 12=Box Butte RF, 13=Chase Irr.
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**Key to Locations:**
1 = Saline, 2 = Saunders, 3 = Lancaster, 4 = Clay, 5 = Furnas, 6 = Red Willow, 7 = Lincoln, 8 = Cheyenne, 9 = Deuel, 10 = State Line, 11 = Dawes, 12 = Box Butte RF, 13 = Chase Irr.
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**Key to Locations:**

1 = Saline, 2 = Saunders, 3 = Lancaster, 4 = Clay, 5 = Furnas, 6 = Red Willow, 7 = Lincoln, 8 = Deuel, 9 = State Line, 10 = Dawes, 11 = Box Butte RF, 12 = Chase Irr.
## 2014 WHEAT BUSHEL WEIGHT RANK AT ALL LOCATIONS TESTED (cont)

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Key to Locations: 1=Saline, 2=Saunders, 3=Lancaster, 4=Clay, 5=Furnas, 6=Red Willow, 7=Lincoln, 8= Deuel, 9=State Line, 10=Dawes, 11=Box Butte RF, 12=Chase Irr.
## 2014 WINTER BARLEY VARIETY TRIAL (BVT)

**COLBY-KS, LINCOLN-NE, MEAD-NE, AND SIDNEY-NE**

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| Diff for sig. 5% | 633           | 1505      | -              | 2         | 7      | 2               | 7  | 19 |
## 2014 WINTER TRITICALE VARIETY TRIAL (TVT)
### LINCOLN, MEAD, AND SIDNEY

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