K-State Wheat Variety Demonstration Plots
Wallace County
Plot Location: 3 mile west of Weskan and 5.3 mi south
Cooperator: E&H Farms

<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield (bu/ac)</th>
<th>Test Weight (lb/bu)</th>
<th>Moisture (%)</th>
<th>Protein (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB 4792 WestBred</td>
<td>64.8</td>
<td>57.0</td>
<td>15.4</td>
<td>11.8</td>
</tr>
<tr>
<td>WB 4595 WestBred</td>
<td>60.0</td>
<td>57.4</td>
<td>15.1</td>
<td>12.4</td>
</tr>
<tr>
<td>Guardian Colorado State</td>
<td>55.5</td>
<td>55.5</td>
<td>14.3</td>
<td>12.4</td>
</tr>
<tr>
<td>KS Western Star K-State</td>
<td>54.9</td>
<td>55.1</td>
<td>15.2</td>
<td>11.6</td>
</tr>
<tr>
<td>KS Hamilton K-State</td>
<td>54.8</td>
<td>55.8</td>
<td>15.4</td>
<td>12.2</td>
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<tr>
<td>Langin Colorado State</td>
<td>54.7</td>
<td>54.9</td>
<td>15.5</td>
<td>12.0</td>
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<tr>
<td>TAM II4 Agseco</td>
<td>50.2</td>
<td>54.9</td>
<td>14.8</td>
<td>12.1</td>
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<tr>
<td>WB Grainfield WestBred</td>
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<td>56.0</td>
<td>14.5</td>
<td>12.0</td>
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<tr>
<td>TAM II5 Watley</td>
<td>43.1</td>
<td>57.4</td>
<td>14.9</td>
<td>13.3</td>
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<tr>
<td>LCS Revere Limagrain</td>
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<td>54.8</td>
<td>15.1</td>
<td>12.7</td>
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<td>Oakley CL K-State</td>
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<td>14.1</td>
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<td>54.0</td>
<td>15.0</td>
<td>11.9</td>
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<td><strong>Average</strong></td>
<td><strong>48.3</strong></td>
<td><strong>55.2</strong></td>
<td><strong>15.1</strong></td>
<td><strong>12.5</strong></td>
</tr>
</tbody>
</table>

Drilled: September 26, 2020
about 1.5" into fair moisture
at 45 lb/ac

Fertility: 45 lbs of MESZ at drilling, 11 gallons of 30-0-0-3 in January
and sprayed 11 gallons KQ 342 (20-00-03-S4-Zn.2) with herbicide in March

Herbicide: dicamba and Quelex
Fungicide: RustEase (Azoxystrobin and Cyproconazole) for stripe rust
Harvested: July 26, 2021

SF = varieties with a semi-solid stem
AX = CoAxium variety, can be treated with Aggressor herbicide
CL = Clearfield variety, can be treated with Beyond herbicide
CL* = 2 gene Clearfield variety, can be treated with higher rates of Beyond herbicide

All yields are adjusted to 13% moisture.

Overview of the plot:
- Moisture at planting was fair and the wheat emergence was somewhat spotty. Emergence continued into the spring with moisture events.
- The rest of the fall and winter were quite dry.
- Wet snow/rain in the spring helped build profile moisture to help support the wheat throughout the rest of the growing season.
- The wheat tillered well, although the overall stand was still a bit thin.
- Hot conditions and wind in mid-June stressed the wheat at grain fill.
- After rains and wind in late June, was leaning at harvest.

This data is from demonstration plots. It should be used with replicated performance test data for variety selection.
Syngenta/AgriPro variety yields are not included in these results, per AgriPro’s request.

Please contact Jeanne Falk Jones, K-State Agronomist at (785) 443-3403 or jfalkjones@ksu.edu with questions.