Arkansas
Corn and Grain Sorghum Performance Tests 2018

R.D. Bond • J.A. Still • J.F. Carlin

ARKANSAS AGRICULTURAL EXPERIMENT STATION
December 2018

Research Series 654
Acknowledgments

This research was funded in part by participating companies, the University of Arkansas System Division of Agriculture's Arkansas Agricultural Experiment Station, and generous support from the Arkansas Corn and Grain Sorghum Board. The assistance of the following individuals in conducting these experiments is gratefully acknowledged:

**Northeast Research and Extension Center, Keiser**
- Mike Duren, Center Director
- Matthew Mann, Program Technician I

**Lon Mann Cotton Research Station, Marianna**
- Claude Kennedy, Resident Director
- Clayton Treat, Farm Foreman

**Southeast Research and Extension Center, Monticello**
- Kelly Bryant, Center Director
- Larry Earnest, Superintendent, Rohwer Division
- Scott Hayes, Program Technician II, Rohwer Division
- Linda Martin, Program Technician I, Rohwer Division

**Rice Research and Extension Center, Stuttgart**
- Bob Scott, Center Director
- Jonathan McCoy, Program Technician II
- David Hendrix, Research Field Technician

Special thanks to Davis Bell for allowing us to conduct corn tests at the Bell Farming Company.
Arkansas Corn and Grain Sorghum Performance Tests\textsuperscript{1}  
2018  
R.D. Bond\textsuperscript{2}, J.A. Still\textsuperscript{3}, and J.F. Carlin\textsuperscript{4}

\section*{Introduction}

Corn and grain sorghum performance tests are conducted each year in Arkansas by the University of Arkansas System Division of Agriculture. The tests provide information to companies marketing seed within the state, and aid the Arkansas Cooperative Extension Service in formulating recommendations for producers.

The 2018 corn performance tests contained 73 entries and were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Lon Mann Cotton Research Station (LMCRS) near Marianna, the Bell Farming Company near Des Arc, the Rohwer Research Station (RRS) near Rohwer and the Rice Research and Extension Center (RREC) near Stuttgart. The 2018 grain sorghum performance tests contained 19 entries and were conducted at the NEREC, the LMCRS, the RRS, and the RREC. Test location maps for grain sorghum and corn can be found on page 44 and inside the back cover, respectively.

\section*{Materials and Methods}

Corn hybrids were divided into two maturity groups based on information provided by the originating companies. Entries were placed into a 116 or fewer days-to-maturity group (Early- to Mid-Season) or 117+ group (Mid- to Full-Season).

Within each test, entries were arranged as a randomized complete block design with four replications. Plots were two rows wide and 20–25 feet long depending on location. Seeding rates for grain sorghum hybrids at all locations as well as corn hybrids at the Keiser and Rohwer locations were based on the recommendations of the originating company. A vacuum-type planter is used to plant the corn tests at the Stuttgart and Bell Farm locations which requires a single seeding rate. A seeding rate of 33,000 plants per acre averaged from all participant-requested plant populations was used to plant these locations. Specific location and management practice information accompany each table.

\section*{Grain Sorghum Performance Measurements}

**Yield:** Yields were calculated from the weight of threshed grain from each plot and are expressed as bushels per acre (bu./ac) at 14\% moisture.

**Grain Moisture:** Expressed as a percent moisture of grain at harvest.

**Plant Height:** Average height in inches from the soil surface to the top of the grain head.

**Head Exertion:** Average distance in inches from the flag leaf to base of panicle.

**Head Compactness Scale:**

1 = Head short and oval. Rachis branches intermediate in length.

2 = Head long and slender. Rachis branches strong and short.

3 = Head elongated and oval. Rachis branches beginning to weaken and intermediate in length.

4 = Head elongated and rectangular in shape. Rachis branches intermediate in strength and length.

5 = Head open and elongated. Rachis branches weak.

**Bird Damage:** A visual estimate of total percent grain loss from each plot.

\textsuperscript{1}Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

\textsuperscript{2}Program Associate, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72704.

\textsuperscript{3}Program Technician III, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72704.

\textsuperscript{4}Program Director, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72704.
Corn Performance Measurements

**Yield:** Yields were calculated from the weight of shelled corn harvested from each plot and are expressed as bushels per acre (bu./ac) at 15.5% moisture.

**Grain Moisture:** Expressed as a percent moisture of shelled grain at harvest.

**Root Lodging:** Average number of plants leaning more than 40 degrees from vertical at harvest.

**Stalk Lodging:** Average number of plants broken below an ear at harvest.

**Plants/Acre:** The plant population expressed in the number of plants per acre.

**Ear Height:** The average distance in inches from the soil surface to the point of attachment of upper ear.

**Tip Cover:** Tip cover was rated as good (1), average (2), or poor (3). A rating of good was given when the husks reached well beyond the end of the ear and fit tightly. A rating of average was given when the husks reached the tip of the ear or fit loosely. A rating of poor was given when the ears were open to the weather.

Variety Testing Website

This report and other information about variety testing for corn, cotton, grain sorghum, rice, small grains, and soybean can be found at: [https://arkansas-variety-testing.uark.edu](https://arkansas-variety-testing.uark.edu)

Disease ratings that do not appear in this or other reports may also be found on this website.
Table 1. Yields of Grain Sorghum Hybrids in Arkansas Performance Tests, 2018<sup>a,b</sup>.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Keiser Irrigated</th>
<th>Keiser Non-Irrigated</th>
<th>Marianna Irrigated</th>
<th>Stuttgart Irrigated</th>
<th>Rohwer Irrigated</th>
<th>Rohwer Non-Irrigated</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEKALB DKS 51-01</td>
<td>149.3</td>
<td>152.0</td>
<td>146.1</td>
<td>154.4</td>
<td>148.2</td>
<td>144.2</td>
<td>149.0</td>
</tr>
<tr>
<td>DEKALB DKS 53-53</td>
<td>135.9</td>
<td>143.6</td>
<td>138.4</td>
<td>154.8</td>
<td>161.6</td>
<td>149.3</td>
<td>147.2</td>
</tr>
<tr>
<td>Dyna-Gro M71GR04</td>
<td>125.5</td>
<td>125.7</td>
<td>135.3</td>
<td>169.7</td>
<td>133.8</td>
<td>123.4</td>
<td>135.6</td>
</tr>
<tr>
<td>Dyna-Gro GX17379</td>
<td>131.3</td>
<td>122.8</td>
<td>143.2</td>
<td>121.8</td>
<td>131.3</td>
<td>108.4</td>
<td>126.4</td>
</tr>
<tr>
<td>Dyna-Gro GX17948</td>
<td>151.0</td>
<td>123.5</td>
<td>139.4</td>
<td>128.5</td>
<td>154.6</td>
<td>145.1</td>
<td>140.3</td>
</tr>
<tr>
<td>Dyna-Gro GX17962</td>
<td>138.2</td>
<td>114.3</td>
<td>146.3</td>
<td>153.7</td>
<td>130.9</td>
<td>137.6</td>
<td>136.8</td>
</tr>
<tr>
<td>Dyna-Gro M69GB38</td>
<td>159.8</td>
<td>133.0</td>
<td>147.6</td>
<td>166.8</td>
<td>151.6</td>
<td>135.9</td>
<td>149.1</td>
</tr>
<tr>
<td>Dyna-Gro M60GB31</td>
<td>136.4</td>
<td>134.3</td>
<td>134.5</td>
<td>142.0</td>
<td>138.8</td>
<td>128.2</td>
<td>135.7</td>
</tr>
<tr>
<td>Dyna-Gro M69GR88</td>
<td>120.6</td>
<td>116.9</td>
<td>149.2</td>
<td>147.1</td>
<td>140.1</td>
<td>129.5</td>
<td>133.9</td>
</tr>
<tr>
<td>Dyna-Gro M73GR55</td>
<td>154.7</td>
<td>136.5</td>
<td>142.9</td>
<td>143.9</td>
<td>142.5</td>
<td>117.2</td>
<td>139.6</td>
</tr>
<tr>
<td>Dyna-Gro M74GB17</td>
<td>156.5</td>
<td>114.0</td>
<td>147.6</td>
<td>158.8</td>
<td>144.2</td>
<td>112.0</td>
<td>138.8</td>
</tr>
<tr>
<td>Pioneer P83G19</td>
<td>141.0</td>
<td>129.3</td>
<td>145.7</td>
<td>157.1</td>
<td>147.7</td>
<td>120.9</td>
<td>140.3</td>
</tr>
<tr>
<td>Pioneer P83P17</td>
<td>141.6</td>
<td>130.1</td>
<td>149.1</td>
<td>144.7</td>
<td>143.0</td>
<td>126.8</td>
<td>139.2</td>
</tr>
<tr>
<td>Pioneer P84P80</td>
<td>137.2</td>
<td>133.5</td>
<td>140.2</td>
<td>162.4</td>
<td>156.9</td>
<td>160.9</td>
<td>148.5</td>
</tr>
<tr>
<td>REV 9562</td>
<td>119.8</td>
<td>132.6</td>
<td>141.0</td>
<td>130.6</td>
<td>148.2</td>
<td>128.6</td>
<td>133.5</td>
</tr>
<tr>
<td>REV 9782</td>
<td>117.1</td>
<td>119.9</td>
<td>138.2</td>
<td>129.4</td>
<td>139.8</td>
<td>138.4</td>
<td>130.4</td>
</tr>
<tr>
<td>REV 9924</td>
<td>131.7</td>
<td>110.4</td>
<td>128.9</td>
<td>154.6</td>
<td>142.0</td>
<td>142.2</td>
<td>134.9</td>
</tr>
<tr>
<td>Sorghum Partners SP73B12</td>
<td>137.5</td>
<td>120.5</td>
<td>135.1</td>
<td>143.6</td>
<td>142.9</td>
<td>125.6</td>
<td>134.2</td>
</tr>
<tr>
<td>Sorghum Partners SP7715</td>
<td>130.0</td>
<td>135.9</td>
<td>137.9</td>
<td>146.0</td>
<td>138.1</td>
<td>120.7</td>
<td>134.8</td>
</tr>
<tr>
<td><strong>GRAND MEAN</strong></td>
<td><strong>137.6</strong></td>
<td><strong>127.8</strong></td>
<td><strong>141.4</strong></td>
<td><strong>147.9</strong></td>
<td><strong>144.0</strong></td>
<td><strong>131.3</strong></td>
<td><strong>138.3</strong></td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>16.2</td>
<td>14.9</td>
<td>15.9</td>
<td>23.0</td>
<td>13.5</td>
<td>13.4</td>
<td>*</td>
</tr>
<tr>
<td>C.V.</td>
<td>9.9</td>
<td>9.8</td>
<td>9.5</td>
<td>13.1</td>
<td>7.9</td>
<td>7.3</td>
<td>*</td>
</tr>
</tbody>
</table>

<sup>a</sup> Keiser = Notheast Research and Extension Center, Keiser, Ark.
Marianna = Lon Mann Cotton Research Station, Marianna, Ark.
Stuttgart = Rice Research and Extension Center, Stuttgart, Ark.
Rohwer = Rohwer Research Station, Rohwer, Ark.

<sup>b</sup> The Marianna and Stuttgart locations were originally planted on April 18 and 19, respectively. However, due to poor stands caused by cool, wet weather conditions, both trials were replanted on May 9 and 10, respectively.
Keiser: Northeast Research and Extension Center (NEREC)

Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2018

Soil Series: Sharkey clay
Row Spacing: 38 in.
Planting Date: May 1
Irrigation Dates: June 12, July 12, Aug. 1

Fertilizer Application(s):
- 109 lb/ac N (May 15)
- 217 lb/ac N (June 6)

Herbicide Application(s):
- Dual II Magnum + Atrazine (May 2)
- Facet + Atrazine (June 6)

Insecticide Application(s):
- Prevathon + Sivanto (August 3)

Harvest Date: Sept. 13

Keiser: Northeast Research and Extension Center (NEREC)
Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2018

2018 NEREC MONTHLY PRECIPITATION

<table>
<thead>
<tr>
<th>Month</th>
<th>Observed (in.)</th>
<th>Average (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>8.1</td>
<td>4.8</td>
</tr>
<tr>
<td>May</td>
<td>6.6</td>
<td>5.4</td>
</tr>
<tr>
<td>June</td>
<td>4.1</td>
<td>4.0</td>
</tr>
<tr>
<td>July</td>
<td>1.6</td>
<td>4.0</td>
</tr>
<tr>
<td>August</td>
<td>4.5</td>
<td>2.4</td>
</tr>
<tr>
<td>Sept.</td>
<td>1.7</td>
<td>3.24</td>
</tr>
<tr>
<td>Total</td>
<td>26.7</td>
<td>23.8</td>
</tr>
</tbody>
</table>

Keiser, Ark.
Table 2. Performance of Irrigated Grain Sorghum Hybrids, NEREC, Keiser, Ark., 2018.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Yield 2-Year Avg. (bu./ac)</th>
<th>2-Year Avg. (bu./ac)</th>
<th>3-Year Avg. (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Plant Height (in.)</th>
<th>Exertion Head Comp. Rating</th>
<th>Head Exertion Comp. Rating</th>
<th>Bird Damage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dyna-Gro M69GB38</td>
<td>159.8</td>
<td>•</td>
<td>•</td>
<td>13.3</td>
<td>56</td>
<td>10</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>Dyna-Gro M74GB17</td>
<td>156.5</td>
<td>124.6</td>
<td>•</td>
<td>13.1</td>
<td>56</td>
<td>7</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Dyna-Gro M73GR55</td>
<td>154.7</td>
<td>138.8</td>
<td>•</td>
<td>13.5</td>
<td>60</td>
<td>4</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Dyna-Gro GX17948</td>
<td>151.0</td>
<td>•</td>
<td>•</td>
<td>13.1</td>
<td>56</td>
<td>5</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>DEKALB DKS 51-01</td>
<td>149.3</td>
<td>137.2</td>
<td>124.8</td>
<td>13.0</td>
<td>58</td>
<td>10</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Pioneer P83P17</td>
<td>141.6</td>
<td>131.5</td>
<td>•</td>
<td>13.1</td>
<td>58</td>
<td>4</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Pioneer P83G19</td>
<td>141.0</td>
<td>131.6</td>
<td>•</td>
<td>12.7</td>
<td>55</td>
<td>3</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Dyna-Gro GX17962</td>
<td>138.2</td>
<td>•</td>
<td>•</td>
<td>13.3</td>
<td>54</td>
<td>9</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Sorghum Partners SP73B12</td>
<td>137.5</td>
<td>•</td>
<td>•</td>
<td>13.2</td>
<td>55</td>
<td>6</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Pioneer P84P80</td>
<td>137.2</td>
<td>128.0</td>
<td>•</td>
<td>12.8</td>
<td>57</td>
<td>5</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>Dyna-Gro M60GB31</td>
<td>136.4</td>
<td>•</td>
<td>•</td>
<td>12.7</td>
<td>51</td>
<td>9</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>DEKALB DKS 53-53</td>
<td>135.9</td>
<td>117.4</td>
<td>114.3</td>
<td>13.2</td>
<td>56</td>
<td>8</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>REV 9924</td>
<td>131.7</td>
<td>122.8</td>
<td>119.4</td>
<td>12.9</td>
<td>53</td>
<td>6</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>Dyna-Gro GX17379</td>
<td>131.3</td>
<td>•</td>
<td>•</td>
<td>13.1</td>
<td>59</td>
<td>7</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Sorghum Partners SP7715</td>
<td>130.0</td>
<td>122.3</td>
<td>•</td>
<td>13.0</td>
<td>59</td>
<td>12</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>Dyna-Gro M71GR04</td>
<td>125.5</td>
<td>125.8</td>
<td>•</td>
<td>12.7</td>
<td>59</td>
<td>7</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>Dyna-Gro M69GR88</td>
<td>120.6</td>
<td>•</td>
<td>•</td>
<td>12.5</td>
<td>51</td>
<td>9</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>REV 9562</td>
<td>119.8</td>
<td>109.2</td>
<td>110.4</td>
<td>12.9</td>
<td>53</td>
<td>9</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td>REV 9782</td>
<td>117.1</td>
<td>113.7</td>
<td>110.9</td>
<td>12.8</td>
<td>54</td>
<td>10</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>16.2</td>
<td>•</td>
<td>•</td>
<td>0.2</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>7</td>
</tr>
<tr>
<td>C.V.</td>
<td>9.9</td>
<td>•</td>
<td>•</td>
<td>1.2</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

a Average yield for 2017 and 2018.
c 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.
Soil Series: Sharkey clay
Row Spacing: 38 in.
Planting Date: May 1

Fertilizer Application(s):
- 109 lb/ac N
- 217 lb/ac N
- May 15
- June 6

Herbicide Application(s):
- Dual II Magnum + Atrazine
- May 2
- June 7

Insecticide Application(s):
- Prevathon + Sivanto
- August 3

Harvest Date: Sept. 13
### Table 3. Performance of Non-Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2018.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Yield (bu./ac)</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Avg. (bu./ac)</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Avg. (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Plant Height (in.)</th>
<th>Head Exertion (in.)</th>
<th>Head&lt;sup&gt;c&lt;/sup&gt; Comp. Rating</th>
<th>Bird Damage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEKALB DKS 51-01</td>
<td>152.0</td>
<td>138.0</td>
<td>127.7</td>
<td>13.5</td>
<td>56</td>
<td>7</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>DEKALB DKS 53-53</td>
<td>143.6</td>
<td>133.7</td>
<td>129.5</td>
<td>13.5</td>
<td>57</td>
<td>6</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Dyna-Gro M73GR55</td>
<td>136.5</td>
<td>124.3</td>
<td>•</td>
<td>14.6</td>
<td>55</td>
<td>4</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>Sorghum Partners SP7715</td>
<td>135.9</td>
<td>130.1</td>
<td>•</td>
<td>13.4</td>
<td>57</td>
<td>6</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Dyna-Gro M60GB31</td>
<td>134.3</td>
<td>•</td>
<td>•</td>
<td>13.4</td>
<td>54</td>
<td>7</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>Pioneer P84P80</td>
<td>133.5</td>
<td>128.4</td>
<td>•</td>
<td>13.6</td>
<td>55</td>
<td>5</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>Dyna-Gro M69GB38</td>
<td>133.0</td>
<td>•</td>
<td>•</td>
<td>13.6</td>
<td>57</td>
<td>10</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>REV 9562</td>
<td>132.6</td>
<td>137.4</td>
<td>128.7</td>
<td>13.3</td>
<td>55</td>
<td>10</td>
<td>2</td>
<td>14</td>
</tr>
<tr>
<td>Pioneer P83P17</td>
<td>130.1</td>
<td>127.1</td>
<td>•</td>
<td>13.8</td>
<td>53</td>
<td>4</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Pioneer P83G19</td>
<td>129.3</td>
<td>124.2</td>
<td>•</td>
<td>13.1</td>
<td>55</td>
<td>3</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>Dyna-Gro M71GR04</td>
<td>125.7</td>
<td>136.3</td>
<td>•</td>
<td>13.2</td>
<td>54</td>
<td>5</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>Dyna-Gro GX17948</td>
<td>123.5</td>
<td>•</td>
<td>•</td>
<td>13.7</td>
<td>54</td>
<td>6</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>Dyna-Gro GX17379</td>
<td>122.8</td>
<td>•</td>
<td>•</td>
<td>13.7</td>
<td>56</td>
<td>3</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Sorghum Partners SP73B12</td>
<td>120.5</td>
<td>•</td>
<td>•</td>
<td>14.7</td>
<td>51</td>
<td>3</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>REV 9782</td>
<td>119.9</td>
<td>124.2</td>
<td>121.0</td>
<td>13.3</td>
<td>54</td>
<td>9</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>Dyna-Gro M69GR88</td>
<td>116.9</td>
<td>•</td>
<td>•</td>
<td>13.1</td>
<td>50</td>
<td>6</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Dyna-Gro GX17962</td>
<td>114.3</td>
<td>•</td>
<td>•</td>
<td>13.6</td>
<td>52</td>
<td>5</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Dyna-Gro M74GB17</td>
<td>114.0</td>
<td>122.0</td>
<td>•</td>
<td>13.8</td>
<td>58</td>
<td>9</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>REV 9924</td>
<td>110.4</td>
<td>117.2</td>
<td>118.9</td>
<td>13.1</td>
<td>54</td>
<td>4</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td><strong>GRAND MEAN</strong></td>
<td><strong>127.8</strong></td>
<td>•</td>
<td>•</td>
<td><strong>13.6</strong></td>
<td><strong>55</strong></td>
<td><strong>6</strong></td>
<td><strong>2</strong></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td>LSD (5%)</td>
<td><strong>14.9</strong></td>
<td>•</td>
<td>•</td>
<td><strong>0.4</strong></td>
<td><strong>•</strong></td>
<td><strong>•</strong></td>
<td><strong>•</strong></td>
<td><strong>5</strong></td>
</tr>
<tr>
<td>C.V.</td>
<td><strong>9.8</strong></td>
<td>•</td>
<td>•</td>
<td><strong>2.7</strong></td>
<td><strong>•</strong></td>
<td><strong>•</strong></td>
<td><strong>•</strong></td>
<td><strong>•</strong></td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2017 and 2018.

<sup>b</sup> Average yield for 2016, 2017, and 2018.

<sup>c</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.
Soil Series: Calloway silt loam
Row Spacing: 38 in.
Planting Date: April 18 replanted May 9
Irrigation Dates: May 16, June 12, 18, 26, July 2, 7, 13, 21, Aug. 3, 10
Insecticide Application(s): Transform + Prevathon July 18
Fertilizer Application(s): 18-46-0 50 lb/ac 0-0-60 150 lb/ac 21-0-0-24 100 lb/ac 46-0-0 75 lb/ac Zinc 30 lb/ac 46-0-0 175 lb/ac Am. Sulfate 50 lb/ac
Herbicide Application(s): Dual II Magnum May 11 Atrazine + Permit + Dual II Magnum May 24
Harvest Date: Aug. 28

LMCRS Marianna, Ark.

2018 MARIANNA MONTHLY PRECIPITATION

April 3
### Table 4. Performance of Irrigated Grain Sorghum Hybrids, Marianna, Ark., 2018.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Yield 2-Year&lt;sup&gt;a&lt;/sup&gt; Avg. (bu./ac)</th>
<th>Yield 3-Year&lt;sup&gt;b&lt;/sup&gt; Avg. (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Plant Height (in.)</th>
<th>Head Exertion</th>
<th>Head Comp. Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dyna-Gro M69GR88</td>
<td>149.2</td>
<td>•</td>
<td>18.1</td>
<td>49</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Pioneer P83P17</td>
<td>149.1</td>
<td>136.6</td>
<td>14.1</td>
<td>53</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Dyna-Gro M69GB38</td>
<td>147.6</td>
<td>•</td>
<td>15.3</td>
<td>54</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M74GB17</td>
<td>147.6</td>
<td>138.8</td>
<td>16.4</td>
<td>59</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro GX17962</td>
<td>146.3</td>
<td>•</td>
<td>14.5</td>
<td>60</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>DEKALB DKS 51-01</td>
<td>146.1</td>
<td>135.0</td>
<td>14.7</td>
<td>55</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Pioneer P83G19</td>
<td>145.7</td>
<td>132.4</td>
<td>17.1</td>
<td>57</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro GX17379</td>
<td>143.2</td>
<td>•</td>
<td>14.9</td>
<td>54</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Dyna-Gro M73GR55</td>
<td>142.9</td>
<td>127.5</td>
<td>15.2</td>
<td>54</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>REV 9562</td>
<td>141.0</td>
<td>141.7</td>
<td>16.3</td>
<td>57</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Pioneer P84P80</td>
<td>140.2</td>
<td>131.7</td>
<td>15.3</td>
<td>53</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Dyna-Gro GX17948</td>
<td>139.4</td>
<td>•</td>
<td>16.9</td>
<td>58</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>DEKALB DKS 53-53</td>
<td>138.4</td>
<td>131.2</td>
<td>16.8</td>
<td>56</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>REV 9782</td>
<td>138.2</td>
<td>133.3</td>
<td>16.2</td>
<td>52</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Sorghum Partners SP7715</td>
<td>137.9</td>
<td>131.1</td>
<td>15.7</td>
<td>51</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M71GR04</td>
<td>135.3</td>
<td>141.1</td>
<td>16.2</td>
<td>51</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Sorghum Partners SP 73B12</td>
<td>135.1</td>
<td>•</td>
<td>14.7</td>
<td>53</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Dyna-Gro M60GB31</td>
<td>134.5</td>
<td>•</td>
<td>14.0</td>
<td>56</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>REV 9924</td>
<td>128.9</td>
<td>126.5</td>
<td>14.4</td>
<td>53</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>141.4</td>
<td>•</td>
<td>15.6</td>
<td>54</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>15.9</td>
<td>•</td>
<td>1.9</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>C.V.</td>
<td>9.5</td>
<td>•</td>
<td>10.4</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2016 and 2018.

<sup>b</sup> Average yield for 2015, 2016, and 2018.

<sup>c</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.
Stuttgart: Rice Research and Extension Center (RREC)

Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2018

Soil Series: Crowley silt loam
Row Spacing: 30"
Soil pH: 5.2
Planting Date: April 19, replanted May 10
Irrigation Dates: May 18, 31
June 15, 27
July 8

Fertilizer Application(s): 3400 lb/ac Lime
70 lb/ac N, 92 lb/ac P,
75 lb/ac K, 24 lb/ac Zn
200 lb/ac N
200 lb/ac N

Herbicide Application(s): Dual II Magnum + Atrazine
RoundUp + Aim

Insecticide Application(s): Ravage + Sivanto

Harvest Date: August 28

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Yield 2-Year&lt;sup&gt;a&lt;/sup&gt; (bu./ac)</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Average (bu./ac)</th>
<th>Yield 3-Year&lt;sup&gt;b&lt;/sup&gt; (bu./ac)</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Average (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Plant Height (in.)</th>
<th>Head Exertion (in.)</th>
<th>Head&lt;sup&gt;c&lt;/sup&gt; Comp. Rating</th>
<th>Bird Damage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dyna-Gro M71GR04</td>
<td>169.7</td>
<td>141.1</td>
<td>161.1</td>
<td>13.7</td>
<td>63</td>
<td>3</td>
<td>3</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro M69GB38</td>
<td>166.8</td>
<td>•</td>
<td>160.8</td>
<td>13.2</td>
<td>62</td>
<td>8</td>
<td>1</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>Pioneer P84P80</td>
<td>162.4</td>
<td>131.7</td>
<td>158.8</td>
<td>13.7</td>
<td>57</td>
<td>2</td>
<td>3</td>
<td>3.8</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro M74GB17</td>
<td>158.8</td>
<td>138.6</td>
<td>157.1</td>
<td>12.9</td>
<td>56</td>
<td>2</td>
<td>1</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>Pioneer P83G19</td>
<td>157.1</td>
<td>132.4</td>
<td>156.4</td>
<td>12.9</td>
<td>55</td>
<td>1</td>
<td>2</td>
<td>6.3</td>
<td></td>
</tr>
<tr>
<td>DEKALB DKS 53-53</td>
<td>154.8</td>
<td>131.2</td>
<td>154.2</td>
<td>13.0</td>
<td>54</td>
<td>2</td>
<td>2</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>REV 9924</td>
<td>154.6</td>
<td>126.5</td>
<td>143.9</td>
<td>12.9</td>
<td>55</td>
<td>1</td>
<td>1</td>
<td>3.8</td>
<td></td>
</tr>
<tr>
<td>DEKALB DKS 51-01</td>
<td>154.4</td>
<td>135.0</td>
<td>143.5</td>
<td>13.1</td>
<td>56</td>
<td>2</td>
<td>2</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro GX17962</td>
<td>153.7</td>
<td>•</td>
<td>151.6</td>
<td>12.6</td>
<td>57</td>
<td>2</td>
<td>2</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro M69GR88</td>
<td>147.1</td>
<td>•</td>
<td>143.4</td>
<td>12.8</td>
<td>54</td>
<td>4</td>
<td>1</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>Sorghum Partners SP7715</td>
<td>146.0</td>
<td>131.1</td>
<td>142.2</td>
<td>13.8</td>
<td>61</td>
<td>6</td>
<td>1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Pioneer P83P17</td>
<td>144.7</td>
<td>136.6</td>
<td>143.5</td>
<td>13.3</td>
<td>60</td>
<td>2</td>
<td>1</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro M73GR55</td>
<td>143.9</td>
<td>127.5</td>
<td>141.9</td>
<td>13.8</td>
<td>60</td>
<td>2</td>
<td>1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Sorghum Partners SP 73B12</td>
<td>143.6</td>
<td>•</td>
<td>140.5</td>
<td>13.3</td>
<td>53</td>
<td>2</td>
<td>1</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro M60GB31</td>
<td>142.0</td>
<td>•</td>
<td>140.6</td>
<td>12.6</td>
<td>54</td>
<td>5</td>
<td>2</td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td>REV 9562</td>
<td>130.6</td>
<td>141.7</td>
<td>142.6</td>
<td>12.6</td>
<td>57</td>
<td>3</td>
<td>1</td>
<td>6.3</td>
<td></td>
</tr>
<tr>
<td>REV 9782</td>
<td>129.4</td>
<td>133.3</td>
<td>141.2</td>
<td>12.7</td>
<td>53</td>
<td>3</td>
<td>1</td>
<td>6.3</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro GX17948</td>
<td>128.5</td>
<td>•</td>
<td>13.2</td>
<td>58</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro GX17379</td>
<td>121.8</td>
<td>•</td>
<td>13.3</td>
<td>54</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>147.9</td>
<td>•</td>
<td>13.1</td>
<td>57</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>2.6</td>
<td></td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>23.0</td>
<td>•</td>
<td>0.3</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>3.6</td>
<td></td>
</tr>
<tr>
<td>C.V.</td>
<td>13.1</td>
<td>•</td>
<td>1.9</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2017 and 2018.
<sup>b</sup> Average yield for 2016, 2017, and 2018.
<sup>c</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.
Soil Series: Herbert silt loam
Row Spacing: 38"
Planting Date: April 18
Irrigation Dates: June 7, 14, 28
                      July 12, 27
Fertilizer Application(s): 0-0-60 100 lb/ac
                          32% liquid N, 25 gal/ac
                          32% liquid N, 25 gal/ac
Herbicide Application(s): RoundUp
                         Dual II Magnum + RoundUp + Atrazine
                         Huskie + Dual II Magnum + Atrazine
Insecticide Application(s): Beseige + Sivanto
                           Prevathon
Harvest Date: Aug. 24

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Yield</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Avg.</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Avg.</th>
<th>Grain Moisture</th>
<th>Plant Height</th>
<th>Head Exertion</th>
<th>Head Comp. Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(bu./ac)</td>
<td>(bu./ac)</td>
<td>(bu./ac)</td>
<td>(%)</td>
<td>(in.)</td>
<td>(in.)</td>
<td></td>
</tr>
<tr>
<td>DEKALB DKS 53-53</td>
<td>161.6</td>
<td>154.0</td>
<td>132.0</td>
<td>14.4</td>
<td>66</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Pioneer P84P80</td>
<td>156.9</td>
<td>155.4</td>
<td>•</td>
<td>15.3</td>
<td>64</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Dyna-Gro GX17948</td>
<td>154.6</td>
<td>•</td>
<td>•</td>
<td>14.7</td>
<td>63</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M69GB38</td>
<td>151.6</td>
<td>•</td>
<td>•</td>
<td>15.0</td>
<td>67</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>DEKALB DKS 51-01</td>
<td>148.2</td>
<td>149.8</td>
<td>130.4</td>
<td>14.3</td>
<td>69</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>REV 9562</td>
<td>148.2</td>
<td>144.1</td>
<td>135.0</td>
<td>14.3</td>
<td>66</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Pioneer P83G19</td>
<td>147.7</td>
<td>147.8</td>
<td>•</td>
<td>15.0</td>
<td>63</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M74GB17</td>
<td>144.2</td>
<td>143.5</td>
<td>•</td>
<td>14.7</td>
<td>65</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Pioneer P83P17</td>
<td>143.0</td>
<td>147.9</td>
<td>•</td>
<td>17.5</td>
<td>66</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Sorghum Partners SP 73B12</td>
<td>142.9</td>
<td>•</td>
<td>•</td>
<td>15.7</td>
<td>62</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M73GR55</td>
<td>142.5</td>
<td>142.6</td>
<td>•</td>
<td>15.2</td>
<td>67</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>REV 9924</td>
<td>142.0</td>
<td>138.9</td>
<td>126.2</td>
<td>15.2</td>
<td>68</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Dyna-Gro M69GR88</td>
<td>140.1</td>
<td>•</td>
<td>•</td>
<td>14.3</td>
<td>56</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>REV 9782</td>
<td>139.8</td>
<td>139.2</td>
<td>131.6</td>
<td>14.4</td>
<td>61</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M60GB31</td>
<td>138.8</td>
<td>•</td>
<td>•</td>
<td>13.8</td>
<td>62</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Sorghum Partners SP7715</td>
<td>138.1</td>
<td>134.8</td>
<td>•</td>
<td>14.6</td>
<td>68</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M71GR04</td>
<td>133.8</td>
<td>146.9</td>
<td>•</td>
<td>14.6</td>
<td>65</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro GX17379</td>
<td>131.3</td>
<td>•</td>
<td>•</td>
<td>14.8</td>
<td>63</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro GX17962</td>
<td>130.9</td>
<td>•</td>
<td>•</td>
<td>14.6</td>
<td>61</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>144.0</td>
<td>•</td>
<td>•</td>
<td>14.9</td>
<td>64</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>13.5</td>
<td>•</td>
<td>•</td>
<td>1.2</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>C.V.</td>
<td>7.9</td>
<td>•</td>
<td>•</td>
<td>6.8</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2017 and 2018.

<sup>b</sup> Average yield for 2016, 2017, and 2018.

<sup>c</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.
### Rohwer: Rohwer Research Station (RRS)

**Non-Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2018**

#### 2018 ROHWER MONTHLY PRECIPITATION

<table>
<thead>
<tr>
<th>Month</th>
<th>Observed (in.)</th>
<th>Average (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>8.0</td>
<td>4.8</td>
</tr>
<tr>
<td>May</td>
<td>3.6</td>
<td>5.1</td>
</tr>
<tr>
<td>June</td>
<td>2.5</td>
<td>3.8</td>
</tr>
<tr>
<td>July</td>
<td>2.3</td>
<td>3.7</td>
</tr>
<tr>
<td>August</td>
<td>8.2</td>
<td>2.5</td>
</tr>
<tr>
<td>Total</td>
<td>24.6</td>
<td>19.8</td>
</tr>
</tbody>
</table>

#### Soil Series:
Herbert silt loam

#### Row Spacing:
38”

#### Planting Date:
April 18

#### Irrigation Dates:
June 7, 14, 28
July 12, 27

#### Fertilizer Application(s):
- 0-0-60 100 lb/ac
- 32% liquid N, 25 gal/ac
- 32% liquid N, 25 gal/ac

**Application Dates:**
- March 21
- May 18
- May 29

#### Herbicide Application(s):
- Roundup
- RoundUp + Dual II Magnum + Atrazine
- Huskie + Dual II Magnum + Atrazine

**Application Dates:**
- March 15
- April 20
- May 30

#### Insecticide Application(s):
- Beseige + Sivanto
- Prevathon

**Application Dates:**
- July 5
- July 27

#### Harvest Date:
Aug. 24
### Table 7. Performance of Non-Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2018.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Yield</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Avg.</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Avg.</th>
<th>Grain Moisture (%)</th>
<th>Plant Height (in.)</th>
<th>Head Exertion</th>
<th>Head Comp. Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pioneer P84P80</td>
<td>160.9</td>
<td>150.5</td>
<td>•</td>
<td>14.1</td>
<td>50</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>DEKALB DKS 53-53</td>
<td>149.3</td>
<td>144.2</td>
<td>112.0</td>
<td>13.9</td>
<td>55</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro GX17948</td>
<td>145.1</td>
<td>•</td>
<td>•</td>
<td>14.8</td>
<td>59</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>DEKALB DKS 51-01</td>
<td>144.2</td>
<td>145.2</td>
<td>118.1</td>
<td>14.0</td>
<td>65</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>REV 9924</td>
<td>142.2</td>
<td>135.6</td>
<td>114.3</td>
<td>14.2</td>
<td>61</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>REV 9782</td>
<td>138.4</td>
<td>136.7</td>
<td>115.7</td>
<td>14.6</td>
<td>55</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro GX17962</td>
<td>137.6</td>
<td>•</td>
<td>•</td>
<td>13.6</td>
<td>56</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Dyna-Gro M69GB38</td>
<td>135.9</td>
<td>•</td>
<td>•</td>
<td>14.6</td>
<td>51</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M69GR88</td>
<td>129.5</td>
<td>•</td>
<td>•</td>
<td>14.2</td>
<td>54</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>REV 9562</td>
<td>128.6</td>
<td>123.7</td>
<td>109.1</td>
<td>14.1</td>
<td>53</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M60GB31</td>
<td>128.2</td>
<td>•</td>
<td>•</td>
<td>13.3</td>
<td>54</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Pioneer P83P17</td>
<td>126.8</td>
<td>139.2</td>
<td>•</td>
<td>15.4</td>
<td>56</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Sorghum Partners SP 73B12</td>
<td>125.6</td>
<td>•</td>
<td>•</td>
<td>16.2</td>
<td>54</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M71GR04</td>
<td>123.4</td>
<td>133.9</td>
<td>•</td>
<td>14.6</td>
<td>60</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Pioneer P83G19</td>
<td>120.9</td>
<td>133.1</td>
<td>•</td>
<td>14.6</td>
<td>56</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Sorghum Partners SP7715</td>
<td>120.7</td>
<td>127.2</td>
<td>•</td>
<td>15.0</td>
<td>53</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M73GR55</td>
<td>117.2</td>
<td>124.5</td>
<td>•</td>
<td>15.3</td>
<td>60</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Dyna-Gro M74GB17</td>
<td>112.0</td>
<td>130.5</td>
<td>•</td>
<td>15.0</td>
<td>53</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Dyna-Gro GX17379</td>
<td>108.4</td>
<td>•</td>
<td>•</td>
<td>14.8</td>
<td>62</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>131.3</td>
<td>•</td>
<td>•</td>
<td>14.5</td>
<td>56</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>13.4</td>
<td>•</td>
<td>•</td>
<td>0.6</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>C.V.</td>
<td>7.3</td>
<td>•</td>
<td>•</td>
<td>3.1</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2017 and 2018.

<sup>b</sup> Average yield for 2016, 2017, and 2018.

<sup>c</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.
# Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2018<sup>a</sup><sup>b</sup>.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Keiser</th>
<th>Marianna</th>
<th>Stuttgart</th>
<th>Rohwer</th>
<th>Bell Farm</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AgriGold A645-10VT2RIB</td>
<td>242.9</td>
<td>178.2</td>
<td>192.4</td>
<td>188.1</td>
<td>191.3</td>
<td>198.6</td>
</tr>
<tr>
<td>AgriGold A6544VT2RIB</td>
<td>256.6</td>
<td>223.6</td>
<td>198.2</td>
<td>204.3</td>
<td>205.3</td>
<td>217.6</td>
</tr>
<tr>
<td>AgriGold A6572VT2RIB</td>
<td>236.5</td>
<td>233.1</td>
<td>215.0</td>
<td>209.6</td>
<td>196.9</td>
<td>218.2</td>
</tr>
<tr>
<td>AgriGold A6659VT2RIB</td>
<td>264.8</td>
<td>214.8</td>
<td>196.0</td>
<td>204.5</td>
<td>236.5</td>
<td>223.3</td>
</tr>
<tr>
<td>Armor 0887</td>
<td>252.9</td>
<td>187.4</td>
<td>196.2</td>
<td>196.8</td>
<td>196.4</td>
<td>205.9</td>
</tr>
<tr>
<td>Armor 1447</td>
<td>236.6</td>
<td>211.9</td>
<td>191.8</td>
<td>211.5</td>
<td>209.4</td>
<td>212.2</td>
</tr>
<tr>
<td>Armor 1667</td>
<td>236.9</td>
<td>188.5</td>
<td>189.8</td>
<td>198.8</td>
<td>174.1</td>
<td>197.6</td>
</tr>
<tr>
<td>Armor X8111</td>
<td>251.0</td>
<td>200.5</td>
<td>215.4</td>
<td>187.0</td>
<td>205.6</td>
<td>211.9</td>
</tr>
<tr>
<td>Armor X8113</td>
<td>206.9</td>
<td>176.5</td>
<td>172.5</td>
<td>174.4</td>
<td>170.4</td>
<td>180.1</td>
</tr>
<tr>
<td>BH 8721VT2P</td>
<td>259.5</td>
<td>225.5</td>
<td>205.6</td>
<td>201.4</td>
<td>192.2</td>
<td>216.8</td>
</tr>
<tr>
<td>BH 8735VTP</td>
<td>248.2</td>
<td>204.8</td>
<td>182.5</td>
<td>196.5</td>
<td>175.8</td>
<td>201.6</td>
</tr>
<tr>
<td>BH 8737VT2P</td>
<td>242.5</td>
<td>210.4</td>
<td>204.2</td>
<td>194.1</td>
<td>209.0</td>
<td>212.0</td>
</tr>
<tr>
<td>Croplan 5678SS</td>
<td>242.6</td>
<td>218.3</td>
<td>210.2</td>
<td>202.8</td>
<td>206.5</td>
<td>216.1</td>
</tr>
<tr>
<td>DEKALB DKC 62-53</td>
<td>247.1</td>
<td>212.3</td>
<td>200.6</td>
<td>199.1</td>
<td>186.9</td>
<td>209.2</td>
</tr>
<tr>
<td>DEKALB DKC 64-35</td>
<td>239.0</td>
<td>191.2</td>
<td>210.0</td>
<td>198.4</td>
<td>188.9</td>
<td>205.5</td>
</tr>
<tr>
<td>DEKALB DKC 65-95</td>
<td>251.9</td>
<td>218.0</td>
<td>203.4</td>
<td>228.3</td>
<td>198.8</td>
<td>220.1</td>
</tr>
<tr>
<td>DEKALB DKC 66-75</td>
<td>268.3</td>
<td>218.2</td>
<td>195.1</td>
<td>213.4</td>
<td>219.3</td>
<td>222.9</td>
</tr>
<tr>
<td>Dyna-Gro D52VC63</td>
<td>246.5</td>
<td>188.0</td>
<td>192.0</td>
<td>199.8</td>
<td>210.7</td>
<td>207.4</td>
</tr>
<tr>
<td>Dyna-Gro D54VC14</td>
<td>256.8</td>
<td>232.9</td>
<td>202.1</td>
<td>213.5</td>
<td>197.9</td>
<td>220.6</td>
</tr>
<tr>
<td>Hefty H6324 RIB</td>
<td>243.5</td>
<td>189.4</td>
<td>188.8</td>
<td>203.3</td>
<td>186.6</td>
<td>202.3</td>
</tr>
<tr>
<td>Hefty H6413 RIB</td>
<td>258.1</td>
<td>206.6</td>
<td>195.5</td>
<td>205.3</td>
<td>177.8</td>
<td>208.6</td>
</tr>
<tr>
<td>Hefty H6502 RIB</td>
<td>233.6</td>
<td>190.8</td>
<td>197.7</td>
<td>193.9</td>
<td>197.7</td>
<td>202.7</td>
</tr>
<tr>
<td>Hefty H6424 RIB</td>
<td>214.4</td>
<td>193.9</td>
<td>187.1</td>
<td>184.1</td>
<td>192.2</td>
<td>194.3</td>
</tr>
<tr>
<td>Hefty H6524 RIB</td>
<td>241.9</td>
<td>203.2</td>
<td>203.7</td>
<td>202.8</td>
<td>204.0</td>
<td>211.1</td>
</tr>
<tr>
<td>LG 5643VT2RIB</td>
<td>254.9</td>
<td>208.3</td>
<td>197.5</td>
<td>198.0</td>
<td>210.4</td>
<td>213.8</td>
</tr>
<tr>
<td>LG 5650VT2RIB</td>
<td>251.4</td>
<td>234.6</td>
<td>215.8</td>
<td>212.7</td>
<td>198.4</td>
<td>222.6</td>
</tr>
<tr>
<td>LG 5663VT2RIB</td>
<td>241.0</td>
<td>181.0</td>
<td>179.5</td>
<td>203.2</td>
<td>190.1</td>
<td>198.9</td>
</tr>
<tr>
<td>Local AV8614VYHR</td>
<td>261.2</td>
<td>226.6</td>
<td>215.1</td>
<td>209.8</td>
<td>196.0</td>
<td>221.7</td>
</tr>
<tr>
<td>Local LC1577VT2P</td>
<td>245.1</td>
<td>204.2</td>
<td>200.4</td>
<td>194.0</td>
<td>211.3</td>
<td>211.0</td>
</tr>
<tr>
<td>Local RL8430VYHR</td>
<td>229.9</td>
<td>202.5</td>
<td>206.1</td>
<td>160.8</td>
<td>175.5</td>
<td>195.0</td>
</tr>
<tr>
<td>Mission Mex1308VT2P</td>
<td>197.8</td>
<td>180.3</td>
<td>171.4</td>
<td>178.8</td>
<td>184.8</td>
<td>182.6</td>
</tr>
<tr>
<td>Mission Mex1548DGVT2P</td>
<td>270.5</td>
<td>216.5</td>
<td>195.3</td>
<td>213.9</td>
<td>179.1</td>
<td>215.1</td>
</tr>
<tr>
<td>NK1573 3110</td>
<td>242.4</td>
<td>235.3</td>
<td>181.5</td>
<td>194.6</td>
<td>199.8</td>
<td>210.7</td>
</tr>
<tr>
<td>NK1694 3111</td>
<td>200.4</td>
<td>228.9</td>
<td>187.9</td>
<td>211.3</td>
<td>230.1</td>
<td>211.7</td>
</tr>
<tr>
<td>Pfister 71C1PCR</td>
<td>251.0</td>
<td>194.2</td>
<td>199.8</td>
<td>211.9</td>
<td>186.5</td>
<td>208.7</td>
</tr>
<tr>
<td>Pfister 74D2PCR</td>
<td>254.3</td>
<td>207.2</td>
<td>213.9</td>
<td>201.2</td>
<td>204.8</td>
<td>216.3</td>
</tr>
<tr>
<td>Pfister 75Y1PCR</td>
<td>251.1</td>
<td>220.4</td>
<td>211.6</td>
<td>203.5</td>
<td>195.7</td>
<td>216.5</td>
</tr>
<tr>
<td>Pioneer P1442YHR</td>
<td>252.6</td>
<td>213.7</td>
<td>181.6</td>
<td>185.2</td>
<td>174.4</td>
<td>201.5</td>
</tr>
</tbody>
</table>
# Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2018a,b, continued.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Keiser</th>
<th>Marianna</th>
<th>Stuttgart</th>
<th>Rohwer</th>
<th>Bell Farm</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>(see p. 42 for Corn Trait Package Information)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Early- to Mid-Season Hybrids Continued</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Progeny PGY 5115VT2P</td>
<td>257.6</td>
<td>211.6</td>
<td>198.5</td>
<td>207.4</td>
<td>215.6</td>
<td>218.1</td>
</tr>
<tr>
<td>Progeny PGY 6116VT2P</td>
<td>269.9</td>
<td>213.2</td>
<td>199.8</td>
<td>194.9</td>
<td>190.0</td>
<td>213.5</td>
</tr>
<tr>
<td>Progeny PGY 8116SS</td>
<td>244.9</td>
<td>202.9</td>
<td>184.7</td>
<td>200.2</td>
<td>182.7</td>
<td>203.1</td>
</tr>
<tr>
<td>Progeny PGY EXP1814</td>
<td>242.7</td>
<td>216.0</td>
<td>188.2</td>
<td>214.2</td>
<td>194.4</td>
<td>211.1</td>
</tr>
<tr>
<td>REV 23BHR5S</td>
<td>211.4</td>
<td>155.2</td>
<td>192.7</td>
<td>171.5</td>
<td>202.3</td>
<td>186.6</td>
</tr>
<tr>
<td>REV 24BHR99</td>
<td>261.6</td>
<td>215.0</td>
<td>206.7</td>
<td>208.3</td>
<td>175.6</td>
<td>213.4</td>
</tr>
<tr>
<td>REV 25BHR26</td>
<td>232.3</td>
<td>170.1</td>
<td>197.8</td>
<td>206.4</td>
<td>168.6</td>
<td>195.0</td>
</tr>
<tr>
<td>REV 25BHR89</td>
<td>215.2</td>
<td>155.7</td>
<td>191.1</td>
<td>173.8</td>
<td>195.7</td>
<td>186.3</td>
</tr>
<tr>
<td><strong>GRAND MEAN</strong></td>
<td>243.9</td>
<td>204.6</td>
<td>197.0</td>
<td>199.3</td>
<td>195.5</td>
<td>208.0</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>15.8</td>
<td>19.6</td>
<td>18.5</td>
<td>18.2</td>
<td>22.4</td>
<td>18.9</td>
</tr>
<tr>
<td>C.V.</td>
<td>5.5</td>
<td>8.2</td>
<td>8.0</td>
<td>6.7</td>
<td>9.8</td>
<td>7.6</td>
</tr>
<tr>
<td><strong>Mid- to Full-Season</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AgriGold A647-90VT2RIB</td>
<td>234.5</td>
<td>194.3</td>
<td>191.7</td>
<td>192.3</td>
<td>189.1</td>
<td>200.4</td>
</tr>
<tr>
<td>AgriGold A6711VT2PRO</td>
<td>251.4</td>
<td>213.4</td>
<td>201.8</td>
<td>190.3</td>
<td>200.5</td>
<td>211.5</td>
</tr>
<tr>
<td>Armor 1887</td>
<td>228.2</td>
<td>184.2</td>
<td>201.7</td>
<td>174.6</td>
<td>201.2</td>
<td>198.0</td>
</tr>
<tr>
<td>Armor X8117</td>
<td>236.0</td>
<td>213.2</td>
<td>204.2</td>
<td>180.9</td>
<td>217.5</td>
<td>210.3</td>
</tr>
<tr>
<td>Armor X8118</td>
<td>246.1</td>
<td>202.3</td>
<td>193.0</td>
<td>185.7</td>
<td>212.5</td>
<td>207.9</td>
</tr>
<tr>
<td>Augusta A1367 3220GT</td>
<td>269.5</td>
<td>213.3</td>
<td>205.1</td>
<td>194.9</td>
<td>195.8</td>
<td>215.7</td>
</tr>
<tr>
<td>Croplan 6027VT2</td>
<td>198.5</td>
<td>191.9</td>
<td>198.9</td>
<td>188.6</td>
<td>211.9</td>
<td>197.9</td>
</tr>
<tr>
<td>DEKALB DKC 67-44</td>
<td>258.3</td>
<td>207.4</td>
<td>203.1</td>
<td>209.3</td>
<td>257.7</td>
<td>227.1</td>
</tr>
<tr>
<td>DEKALB DKC 67-72</td>
<td>252.4</td>
<td>173.0</td>
<td>215.1</td>
<td>207.6</td>
<td>211.6</td>
<td>211.9</td>
</tr>
<tr>
<td>DEKALB DKC 68-26</td>
<td>252.9</td>
<td>192.2</td>
<td>205.1</td>
<td>193.4</td>
<td>211.7</td>
<td>211.0</td>
</tr>
<tr>
<td>DEKALB DKC 68-69</td>
<td>242.5</td>
<td>184.8</td>
<td>179.8</td>
<td>188.2</td>
<td>188.8</td>
<td>196.8</td>
</tr>
<tr>
<td>DEKALB DKC 70-27</td>
<td>252.4</td>
<td>190.3</td>
<td>203.0</td>
<td>191.1</td>
<td>210.4</td>
<td>209.4</td>
</tr>
<tr>
<td>Dyna-Gro CX17117</td>
<td>241.3</td>
<td>200.8</td>
<td>200.0</td>
<td>191.7</td>
<td>191.6</td>
<td>205.1</td>
</tr>
<tr>
<td>Dyna-Gro D57VP51</td>
<td>243.3</td>
<td>197.7</td>
<td>201.4</td>
<td>187.6</td>
<td>222.2</td>
<td>210.4</td>
</tr>
<tr>
<td>Dyna-Gro D58VC65</td>
<td>254.6</td>
<td>182.1</td>
<td>210.8</td>
<td>200.7</td>
<td>203.0</td>
<td>210.2</td>
</tr>
<tr>
<td>Local LC1776VT2P</td>
<td>238.4</td>
<td>204.5</td>
<td>210.8</td>
<td>190.4</td>
<td>207.5</td>
<td>210.3</td>
</tr>
<tr>
<td>Local LC1878VT2P</td>
<td>237.3</td>
<td>201.0</td>
<td>196.2</td>
<td>188.4</td>
<td>206.2</td>
<td>205.8</td>
</tr>
<tr>
<td>Local LC1987VT2P</td>
<td>223.6</td>
<td>190.5</td>
<td>190.1</td>
<td>181.7</td>
<td>183.6</td>
<td>193.9</td>
</tr>
<tr>
<td>Mission A1857SS</td>
<td>237.6</td>
<td>190.0</td>
<td>192.2</td>
<td>194.5</td>
<td>177.0</td>
<td>198.3</td>
</tr>
<tr>
<td>Pfister 77C1SE</td>
<td>222.1</td>
<td>206.5</td>
<td>186.2</td>
<td>190.9</td>
<td>200.8</td>
<td>201.3</td>
</tr>
</tbody>
</table>
Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2018<sup>a,b</sup>, continued.

<table>
<thead>
<tr>
<th>Hybrid Name</th>
<th>Keiser</th>
<th>Marianna</th>
<th>Stuttgart</th>
<th>Rohwer</th>
<th>Bell Farm</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid- to Full-Season Continued</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer P1847VYHR</td>
<td>259.7</td>
<td>231.7</td>
<td>228.3</td>
<td>212.6</td>
<td>203.5</td>
<td>227.1</td>
</tr>
<tr>
<td>Pioneer P1870YHR</td>
<td>260.5</td>
<td>211.4</td>
<td>204.0</td>
<td>195.3</td>
<td>182.5</td>
<td>210.7</td>
</tr>
<tr>
<td>Pioneer P2089VYHR</td>
<td>245.6</td>
<td>241.6</td>
<td>194.5</td>
<td>184.9</td>
<td>175.5</td>
<td>208.4</td>
</tr>
<tr>
<td>Progeny PGY 6119VT2P</td>
<td>237.5</td>
<td>188.8</td>
<td>198.2</td>
<td>186.3</td>
<td>204.3</td>
<td>203.0</td>
</tr>
<tr>
<td>Progeny PGY EXP1817</td>
<td>255.7</td>
<td>194.7</td>
<td>205.3</td>
<td>193.5</td>
<td>207.6</td>
<td>211.4</td>
</tr>
<tr>
<td>REV 27BHR79</td>
<td>224.0</td>
<td>179.8</td>
<td>192.3</td>
<td>189.1</td>
<td>209.0</td>
<td>198.8</td>
</tr>
<tr>
<td>REV 28BHR18</td>
<td>256.8</td>
<td>192.9</td>
<td>197.0</td>
<td>192.0</td>
<td>181.2</td>
<td>204.0</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>243.0</td>
<td>199.0</td>
<td>200.3</td>
<td>191.7</td>
<td>202.4</td>
<td>207.3</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>15.0</td>
<td>18.6</td>
<td>15.9</td>
<td>14.8</td>
<td>20.0</td>
<td>16.8</td>
</tr>
<tr>
<td>C.V.</td>
<td>5.2</td>
<td>7.9</td>
<td>6.7</td>
<td>6.5</td>
<td>8.4</td>
<td>7.0</td>
</tr>
</tbody>
</table>

<sup>a</sup>Keiser = Northwest Research and Extension Center, Keiser, Ark.

Marianna = Lon Mann Cotton Research Center, Marianna, Ark.

Stuttgart = Rice Research and Extension Center, Stuttgart, Ark.

Rohwer = Southeast Research and Extension Center - Rohwer Division, Rohwer, Ark.

Bell Farm = Bell Farming Company, Des Arc, Ark.

<sup>b</sup>The Marianna location was originally planted on April 18. However, due to poor stands caused by cool, wet weather conditions, the trial was replanted on May 9.
Keiser: Northeast Research and Extension Center (NEREC)

Irrigated Corn Hybrids Trial Summary, 2018

Soil Series: Sharkey clay
Row Spacing: 38 in.
Planting Date: May 1
Irrigation Date(s): June 11, July 9, 30

Fertilizer Application(s): 109 lb/ac N May 15
Herbicide Application(s): Dual II Magnum + Atrazine April 20
Harvest Date: Early and Late Hybrids Sept. 14

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield 2-Year Avg. (bu./ac)</th>
<th>Yield 3-Year Avg. (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Ear Height (in.)</th>
<th>Tip Cover Rating</th>
<th>Plants Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early- to Mid-Season Hybrids</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mission Mex1548DGVT2P</td>
<td>270.5</td>
<td>•</td>
<td>15.0</td>
<td>34</td>
<td>1</td>
<td>36156</td>
</tr>
<tr>
<td>Progeny PGY 6116VT2P</td>
<td>269.9</td>
<td>253.6</td>
<td>238.1</td>
<td>15.9</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>DEKALB DKC 66-75</td>
<td>268.3</td>
<td>•</td>
<td>16.2</td>
<td>44</td>
<td>1</td>
<td>32716</td>
</tr>
<tr>
<td>AgriGold A6659VT2RIB</td>
<td>264.8</td>
<td>246.0</td>
<td>234.6</td>
<td>15.7</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>REV 248HR99</td>
<td>261.6</td>
<td>•</td>
<td>15.4</td>
<td>36</td>
<td>1</td>
<td>34204</td>
</tr>
<tr>
<td>Local AV8614YYHR</td>
<td>261.2</td>
<td>•</td>
<td>17.1</td>
<td>35</td>
<td>1</td>
<td>34668</td>
</tr>
<tr>
<td>BH 8721VT2P</td>
<td>259.5</td>
<td>•</td>
<td>14.5</td>
<td>35</td>
<td>1</td>
<td>34018</td>
</tr>
<tr>
<td>Hefty H6413 RIB</td>
<td>258.1</td>
<td>•</td>
<td>16.9</td>
<td>36</td>
<td>1</td>
<td>32623</td>
</tr>
<tr>
<td>Progeny PGY 5115VT2P</td>
<td>257.6</td>
<td>235.3</td>
<td>226.5</td>
<td>14.9</td>
<td>34</td>
<td>2</td>
</tr>
<tr>
<td>Dyna-Gro D54VC14</td>
<td>256.8</td>
<td>•</td>
<td>15.1</td>
<td>30</td>
<td>2</td>
<td>32438</td>
</tr>
<tr>
<td>AgriGold A6544VT2RIB</td>
<td>256.6</td>
<td>233.2</td>
<td>•</td>
<td>14.7</td>
<td>35</td>
<td>1</td>
</tr>
<tr>
<td>LG 5643VT2RIB</td>
<td>254.9</td>
<td>242.2</td>
<td>•</td>
<td>15.9</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>Pfister 74D2PCR</td>
<td>254.3</td>
<td>•</td>
<td>18.8</td>
<td>33</td>
<td>2</td>
<td>30907</td>
</tr>
<tr>
<td>Armor 0887</td>
<td>252.9</td>
<td>•</td>
<td>14.0</td>
<td>35</td>
<td>2</td>
<td>30393</td>
</tr>
<tr>
<td>Pioneer P1442YHR</td>
<td>252.6</td>
<td>232.7</td>
<td>•</td>
<td>15.7</td>
<td>32</td>
<td>1</td>
</tr>
<tr>
<td>DEKALB DKC 65-95</td>
<td>251.9</td>
<td>230.7</td>
<td>•</td>
<td>15.9</td>
<td>35</td>
<td>3</td>
</tr>
<tr>
<td>LG 5650VT2RIB</td>
<td>251.4</td>
<td>232.6</td>
<td>•</td>
<td>15.4</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td>Pfister 75Y1PCR</td>
<td>251.1</td>
<td>•</td>
<td>18.5</td>
<td>35</td>
<td>1</td>
<td>35877</td>
</tr>
<tr>
<td>Armor X8111</td>
<td>251.0</td>
<td>•</td>
<td>14.6</td>
<td>33</td>
<td>1</td>
<td>33739</td>
</tr>
<tr>
<td>Pfister 71C1PCR</td>
<td>251.0</td>
<td>233.7</td>
<td>•</td>
<td>15.4</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>BH 8735VTTP</td>
<td>248.2</td>
<td>•</td>
<td>15.0</td>
<td>45</td>
<td>1</td>
<td>32531</td>
</tr>
<tr>
<td>DEKALB DKC 62-53</td>
<td>247.1</td>
<td>•</td>
<td>15.0</td>
<td>36</td>
<td>3</td>
<td>35133</td>
</tr>
<tr>
<td>Dyna-Gro D52VC63</td>
<td>246.5</td>
<td>223.8</td>
<td>•</td>
<td>14.6</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>Local LC1577VT2P</td>
<td>245.1</td>
<td>•</td>
<td>15.4</td>
<td>31</td>
<td>1</td>
<td>33088</td>
</tr>
<tr>
<td>Progeny PGY 8116SS</td>
<td>244.9</td>
<td>231.3</td>
<td>•</td>
<td>17.4</td>
<td>37</td>
<td>1</td>
</tr>
<tr>
<td>Hefty H6324 RIB</td>
<td>243.5</td>
<td>•</td>
<td>14.7</td>
<td>35</td>
<td>2</td>
<td>35598</td>
</tr>
<tr>
<td>AgriGold A645-10VT2RIB</td>
<td>242.9</td>
<td>227.8</td>
<td>•</td>
<td>17.0</td>
<td>38</td>
<td>1</td>
</tr>
<tr>
<td>Progeny PGY EXP1814</td>
<td>242.7</td>
<td>•</td>
<td>14.8</td>
<td>34</td>
<td>3</td>
<td>31137</td>
</tr>
<tr>
<td>Croplan 5678SS</td>
<td>242.6</td>
<td>•</td>
<td>16.1</td>
<td>32</td>
<td>1</td>
<td>33925</td>
</tr>
<tr>
<td>BH 8737VT2P</td>
<td>242.5</td>
<td>•</td>
<td>15.1</td>
<td>30</td>
<td>2</td>
<td>32438</td>
</tr>
<tr>
<td>NK1573 3110</td>
<td>242.4</td>
<td>•</td>
<td>15.8</td>
<td>38</td>
<td>1</td>
<td>34389</td>
</tr>
<tr>
<td>Hefty H6524 RIB</td>
<td>241.9</td>
<td>•</td>
<td>15.2</td>
<td>34</td>
<td>2</td>
<td>31415</td>
</tr>
<tr>
<td>LG 5663VT2RIB</td>
<td>241.0</td>
<td>224.0</td>
<td>215.7</td>
<td>15.0</td>
<td>36</td>
<td>3</td>
</tr>
<tr>
<td>DEKALB DKC 64-35</td>
<td>239.0</td>
<td>230.1</td>
<td>218.7</td>
<td>15.8</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td>Armor 1667</td>
<td>236.9</td>
<td>237.0</td>
<td>•</td>
<td>15.2</td>
<td>40</td>
<td>1</td>
</tr>
<tr>
<td>Armor 1447</td>
<td>236.6</td>
<td>217.8</td>
<td>•</td>
<td>15.4</td>
<td>31</td>
<td>2</td>
</tr>
<tr>
<td>AgriGold A6572VT2RIB</td>
<td>236.5</td>
<td>217.1</td>
<td>•</td>
<td>15.4</td>
<td>38</td>
<td>1</td>
</tr>
<tr>
<td>Hefty H6502 RIB</td>
<td>233.6</td>
<td>•</td>
<td>15.6</td>
<td>33</td>
<td>2</td>
<td>28162</td>
</tr>
<tr>
<td>REV 25BHR26</td>
<td>232.3</td>
<td>232.4</td>
<td>225.3</td>
<td>16.3</td>
<td>36</td>
<td>3</td>
</tr>
<tr>
<td>Local RL8430VYHR</td>
<td>229.9</td>
<td>•</td>
<td>14.5</td>
<td>35</td>
<td>1</td>
<td>30951</td>
</tr>
<tr>
<td>REV 25BHR89</td>
<td>215.2</td>
<td>•</td>
<td>14.9</td>
<td>44</td>
<td>2</td>
<td>23794</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Avg. (bu./ac)</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Avg. (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Ear Height (in.)</th>
<th>Tip Cover Rating</th>
<th>Plants Per Acre</th>
</tr>
</thead>
</table>
| Early- to Mid-Season Hybrids Continued
| Hefty H6424 RIB       | 214.4 | •                                 | •                                 | 15.2               | 29              | 3               | 27883          |
| REV 23BHR55           | 211.4 | 213.3                             | 208.6                             | 15.4               | 34              | 3               | 26768          |
| Armor X8113           | 206.9 | •                                 | •                                 | 15.1               | 32              | 1               | 29464          |
| NK1694 3111           | 200.4 | •                                 | •                                 | 15.8               | 40              | 1               | 22678          |
| Mission Mex1308VT2P   | 197.8 | •                                 | •                                 | 15.1               | 31              | 1               | 29464          |
| GRAND MEAN            | 243.9 | •                                 | •                                 | 15.6               | 35              | 2               | 32081          |
| LSD (5%)              | 15.8  | •                                 | •                                 | 1.9                | •               | •               | 2964           |
| C.V.                  | 5.5   | •                                 | •                                 | 10.2               | •               | •               | 8              |
| Mid- to Full-Season Hybrids
| Augusta A1367 3220GT  | 269.5 | •                                 | •                                 | 20.3               | 38              | 3               | 33088          |
| Pioneer P1870YHR      | 260.5 | 246.4                             | •                                 | 20.2               | 33              | 3               | 33274          |
| Pioneer P1847VYHR     | 259.7 | •                                 | 20.9                             | 38                 | 2               | 3               | 33460          |
| DEKALB DKC 67-44      | 258.3 | 239.1                             | •                                 | 17.8               | 34              | 1               | 35040          |
| REV 28BHR18           | 256.8 | 237.8                             | •                                 | 19.5               | 39              | 1               | 31136          |
| Progeny PGY EXP1817   | 255.7 | •                                 | •                                 | 17.8               | 35              | 1               | 37735          |
| Dyna-Gro D58VC65      | 254.6 | 234.3                             | 242.8                             | 14.1               | 33              | 1               | 31322          |
| DEKALB DKC 68-26      | 252.9 | 233.2                             | •                                 | 20.6               | 35              | 1               | 31973          |
| DEKALB DKC 70-27      | 252.4 | 234.0                             | •                                 | 22.1               | 36              | 1               | 34390          |
| DEKALB DKC 67-72      | 252.4 | 224.6                             | •                                 | 15.0               | 33              | 1               | 38386          |
| AgriGold A6711VT2PRO  | 251.4 | 235.2                             | 245.4                             | 15.3               | 34              | 1               | 29742          |
| Armor X8118           | 246.1 | •                                 | •                                 | 16.8               | 32              | 1               | 35226          |
| Pioneer P2089VVYHR    | 245.6 | 242.7                             | •                                 | 19.5               | 37              | 3               | 30672          |
| Dyna-Gro D57VP51      | 243.3 | 238.8                             | 241.5                             | 16.1               | 35              | 2               | 31136          |
| DEKALB DKC 68-69      | 242.5 | •                                 | •                                 | 13.9               | 33              | 1               | 34834          |
| Dyna-Gro CX17117      | 241.3 | •                                 | •                                 | 16.5               | 34              | 1               | 32902          |
| Local LC1776VT2P      | 238.4 | •                                 | •                                 | 16.7               | 34              | 1               | 32438          |
| Mission A1857SS       | 237.6 | •                                 | •                                 | 17.3               | 38              | 1               | 36620          |
| Progeny PGY 6119VT2P  | 237.5 | 229.6                             | 231.6                             | 19.2               | 35              | 1               | 34947          |
| Local LC1878VT2P      | 237.3 | •                                 | •                                 | 16.6               | 39              | 3               | 30579          |
| Armor X8117           | 236.0 | •                                 | •                                 | 16.3               | 31              | 1               | 31601          |
| AgriGold A647-90VT2RIB| 234.5 | •                                 | •                                 | 19.0               | 38              | 1               | 32809          |
| Armor 1887            | 228.2 | 216.2                             | •                                 | 19.6               | 36              | 2               | 33553          |
| REV 27BHR79           | 224.0 | •                                 | 18.4                             | 36                 | 2               | 3               | 30393          |
| Local LC1987VT2P      | 223.6 | •                                 | 18.4                             | 35                 | 3               | 2               | 29835          |
| Pfister 77C1SE        | 222.1 | •                                 | •                                 | 24.5               | 40              | 2               | 33274          |
| Croplan 6027VT2       | 198.5 | •                                 | •                                 | 18.2               | 37              | 3               | 27140          |
| GRAND MEAN            | 243.0 | •                                 | •                                 | 18.2               | 35              | 2               | 32871          |
| LSD (5%)              | 15.0  | •                                 | •                                 | 2.4                | •               | •               | 2586           |
| C.V.                  | 5.2   | •                                 | •                                 | 11.1               | •               | •               | 7              |

<sup>a</sup> Average yield for 2016 and 2017.

<sup>b</sup> Average yield for 2015, 2016, and 2017.

<sup>c</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.
Soil Series: Calloway silt loam
Row Spacing: 38 in.
Planting Date: April 18, replanted May 9
Irrigation Dates: May 16, June 12, 18, 25, July 2, 7, 13, 21, Aug. 3, 10

Fertilizer Application(s):
- 18-46-0 50 lb/ac
- 0-0-60 150 lb/ac
- 21-0-0-24 100 lb/ac
- 46-0-0 75 lb/ac
- Zinc 30 lb/ac
- 46-0-0 350 lb/ac
- Am. Sulfate 100 lb/ac

Herbicide Application(s):
- Dual II Magnum
- Atrazine + Permit + Callisto + Dual II Magnum

Harvest Date: Sept. 4
### Table 10. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2018.

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield</th>
<th>2-Year Avg.</th>
<th>3-Year Avg.</th>
<th>Grain Moisture (%)</th>
<th>Tip Cover Rating</th>
<th>Ear Height (in.)</th>
<th>Plant Height (in.)</th>
<th>Plants Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NK1573 3110</td>
<td>235.3</td>
<td>•</td>
<td>•</td>
<td>24.8</td>
<td>3</td>
<td>45</td>
<td>108</td>
<td>34991</td>
</tr>
<tr>
<td>LG 5650VT2RIB</td>
<td>234.6</td>
<td>•</td>
<td>•</td>
<td>22.7</td>
<td>3</td>
<td>47</td>
<td>106</td>
<td>33530</td>
</tr>
<tr>
<td>AgriGold A6572VT2RIB</td>
<td>233.1</td>
<td>•</td>
<td>•</td>
<td>22.9</td>
<td>1</td>
<td>48</td>
<td>102</td>
<td>33358</td>
</tr>
<tr>
<td>Dyna-Gro D54VC14</td>
<td>232.9</td>
<td>•</td>
<td>•</td>
<td>21.6</td>
<td>1</td>
<td>43</td>
<td>98</td>
<td>33702</td>
</tr>
<tr>
<td>NK1694 3111</td>
<td>228.9</td>
<td>•</td>
<td>•</td>
<td>26.3</td>
<td>2</td>
<td>45</td>
<td>105</td>
<td>34734</td>
</tr>
<tr>
<td>Local AV8614VYHR</td>
<td>226.6</td>
<td>•</td>
<td>•</td>
<td>22.1</td>
<td>3</td>
<td>45</td>
<td>109</td>
<td>34476</td>
</tr>
<tr>
<td>BH 8721VT2P</td>
<td>225.5</td>
<td>225.6</td>
<td>•</td>
<td>23.1</td>
<td>2</td>
<td>47</td>
<td>108</td>
<td>35421</td>
</tr>
<tr>
<td>AgriGold A6544VT2RIB</td>
<td>223.6</td>
<td>•</td>
<td>•</td>
<td>20.9</td>
<td>2</td>
<td>46</td>
<td>102</td>
<td>33100</td>
</tr>
<tr>
<td>Pfister 75Y1PCR</td>
<td>220.4</td>
<td>•</td>
<td>•</td>
<td>26.7</td>
<td>1</td>
<td>50</td>
<td>111</td>
<td>34303</td>
</tr>
<tr>
<td>Croplan 5678SS</td>
<td>218.3</td>
<td>•</td>
<td>•</td>
<td>22.8</td>
<td>1</td>
<td>41</td>
<td>96</td>
<td>33702</td>
</tr>
<tr>
<td>DEKALB DKC 66-75</td>
<td>218.2</td>
<td>•</td>
<td>•</td>
<td>22.7</td>
<td>2</td>
<td>50</td>
<td>103</td>
<td>35593</td>
</tr>
<tr>
<td>DEKALB DKC 65-95</td>
<td>218.0</td>
<td>•</td>
<td>•</td>
<td>24.6</td>
<td>3</td>
<td>46</td>
<td>102</td>
<td>32498</td>
</tr>
<tr>
<td>Mission Mex1548DGVT2P</td>
<td>216.5</td>
<td>•</td>
<td>•</td>
<td>22.5</td>
<td>2</td>
<td>43</td>
<td>103</td>
<td>35077</td>
</tr>
<tr>
<td>Progeny PGY EXP1814</td>
<td>216.0</td>
<td>•</td>
<td>•</td>
<td>21.5</td>
<td>1</td>
<td>46</td>
<td>99</td>
<td>33874</td>
</tr>
<tr>
<td>REV 24BHR99</td>
<td>215.0</td>
<td>•</td>
<td>•</td>
<td>25.3</td>
<td>2</td>
<td>44</td>
<td>104</td>
<td>32068</td>
</tr>
<tr>
<td>AgriGold A6659VT2RIB</td>
<td>214.8</td>
<td>222.0</td>
<td>229.7</td>
<td>22.0</td>
<td>3</td>
<td>48</td>
<td>105</td>
<td>34562</td>
</tr>
<tr>
<td>Pioneer P1442YHR</td>
<td>213.7</td>
<td>•</td>
<td>•</td>
<td>23.3</td>
<td>3</td>
<td>50</td>
<td>111</td>
<td>34475</td>
</tr>
<tr>
<td>Progeny PGY 6116VT2P</td>
<td>213.2</td>
<td>208.6</td>
<td>•</td>
<td>23.6</td>
<td>2</td>
<td>48</td>
<td>104</td>
<td>35851</td>
</tr>
<tr>
<td>DEKALB DKC 62-53</td>
<td>212.3</td>
<td>•</td>
<td>•</td>
<td>24.9</td>
<td>3</td>
<td>43</td>
<td>97</td>
<td>33788</td>
</tr>
<tr>
<td>Armor 1447</td>
<td>211.9</td>
<td>•</td>
<td>•</td>
<td>22.0</td>
<td>2</td>
<td>45</td>
<td>97</td>
<td>33358</td>
</tr>
<tr>
<td>Progeny PGY 5115VT2P</td>
<td>211.6</td>
<td>218.3</td>
<td>217.4</td>
<td>22.7</td>
<td>3</td>
<td>44</td>
<td>102</td>
<td>37571</td>
</tr>
<tr>
<td>BH 8737VT2P</td>
<td>210.4</td>
<td>•</td>
<td>•</td>
<td>21.4</td>
<td>1</td>
<td>49</td>
<td>106</td>
<td>30177</td>
</tr>
<tr>
<td>LG 5643VT2RIB</td>
<td>208.3</td>
<td>•</td>
<td>•</td>
<td>20.9</td>
<td>2</td>
<td>46</td>
<td>102</td>
<td>31209</td>
</tr>
<tr>
<td>Pfister 74D2PCR</td>
<td>207.2</td>
<td>•</td>
<td>•</td>
<td>25.0</td>
<td>3</td>
<td>48</td>
<td>110</td>
<td>34905</td>
</tr>
<tr>
<td>Hefty H6413 RIB</td>
<td>206.6</td>
<td>•</td>
<td>•</td>
<td>23.6</td>
<td>1</td>
<td>46</td>
<td>102</td>
<td>33530</td>
</tr>
<tr>
<td>BH 8735VTTP</td>
<td>204.8</td>
<td>•</td>
<td>•</td>
<td>23.5</td>
<td>2</td>
<td>48</td>
<td>115</td>
<td>32412</td>
</tr>
<tr>
<td>Local LC1577VT2P</td>
<td>204.2</td>
<td>•</td>
<td>•</td>
<td>22.7</td>
<td>3</td>
<td>44</td>
<td>96</td>
<td>32498</td>
</tr>
<tr>
<td>Hefty H6524 RIB</td>
<td>203.2</td>
<td>•</td>
<td>•</td>
<td>20.8</td>
<td>3</td>
<td>48</td>
<td>102</td>
<td>30779</td>
</tr>
<tr>
<td>Progeny PGY 8116SS</td>
<td>202.9</td>
<td>•</td>
<td>•</td>
<td>28.0</td>
<td>3</td>
<td>47</td>
<td>104</td>
<td>35593</td>
</tr>
<tr>
<td>Local RL8430VYHR</td>
<td>202.5</td>
<td>•</td>
<td>•</td>
<td>21.5</td>
<td>3</td>
<td>48</td>
<td>105</td>
<td>33616</td>
</tr>
<tr>
<td>Armor X8111</td>
<td>200.5</td>
<td>•</td>
<td>•</td>
<td>22.7</td>
<td>2</td>
<td>44</td>
<td>98</td>
<td>33960</td>
</tr>
<tr>
<td>Pfister 71C1PCR</td>
<td>194.2</td>
<td>•</td>
<td>•</td>
<td>27.5</td>
<td>1</td>
<td>47</td>
<td>104</td>
<td>36797</td>
</tr>
<tr>
<td>Hefty H6424 RIB</td>
<td>193.9</td>
<td>•</td>
<td>•</td>
<td>22.2</td>
<td>1</td>
<td>46</td>
<td>97</td>
<td>33702</td>
</tr>
<tr>
<td>DEKALB DKC 64-35</td>
<td>191.2</td>
<td>198.6</td>
<td>•</td>
<td>22.7</td>
<td>3</td>
<td>46</td>
<td>101</td>
<td>34819</td>
</tr>
<tr>
<td>Hefty H6502 RIB</td>
<td>190.8</td>
<td>•</td>
<td>•</td>
<td>26.3</td>
<td>3</td>
<td>46</td>
<td>99</td>
<td>31037</td>
</tr>
<tr>
<td>Hefty H6324 RIB</td>
<td>189.4</td>
<td>•</td>
<td>•</td>
<td>23.5</td>
<td>2</td>
<td>46</td>
<td>98</td>
<td>32842</td>
</tr>
<tr>
<td>Armor 1667</td>
<td>188.5</td>
<td>•</td>
<td>•</td>
<td>24.1</td>
<td>2</td>
<td>52</td>
<td>104</td>
<td>34389</td>
</tr>
<tr>
<td>Dyna-Gro D52VC63</td>
<td>188.0</td>
<td>•</td>
<td>•</td>
<td>26.8</td>
<td>3</td>
<td>40</td>
<td>100</td>
<td>32756</td>
</tr>
<tr>
<td>Armor 0887</td>
<td>187.4</td>
<td>•</td>
<td>•</td>
<td>21.0</td>
<td>2</td>
<td>42</td>
<td>99</td>
<td>33616</td>
</tr>
<tr>
<td>LG 5663VT2RIB</td>
<td>181.0</td>
<td>195.4</td>
<td>•</td>
<td>24.9</td>
<td>2</td>
<td>43</td>
<td>101</td>
<td>32154</td>
</tr>
<tr>
<td>Mission Mex1308VT2P</td>
<td>180.3</td>
<td>•</td>
<td>•</td>
<td>22.5</td>
<td>1</td>
<td>45</td>
<td>99</td>
<td>30349</td>
</tr>
</tbody>
</table>
Table 10. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2018, continued.

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Avg.</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Avg.</th>
<th>Grain Moisture (%)</th>
<th>Tip&lt;sup&gt;c&lt;/sup&gt; Cover Rating</th>
<th>Ear Height (in.)</th>
<th>Plant Height (in.)</th>
<th>Plants Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids Continued</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AgriGold A645-10VT2RIB</td>
<td>178.2</td>
<td>•</td>
<td>•</td>
<td>28.2</td>
<td>2</td>
<td>42</td>
<td>101</td>
<td>33100</td>
</tr>
<tr>
<td>Armor X8113</td>
<td>176.5</td>
<td>•</td>
<td>•</td>
<td>25.8</td>
<td>1</td>
<td>47</td>
<td>100</td>
<td>31123</td>
</tr>
<tr>
<td>REV 25BHR26</td>
<td>170.1</td>
<td>191.5</td>
<td>214.4</td>
<td>21.7</td>
<td>3</td>
<td>50</td>
<td>112</td>
<td>31036</td>
</tr>
<tr>
<td>REV 25BHR89</td>
<td>155.7</td>
<td>•</td>
<td>•</td>
<td>25.8</td>
<td>3</td>
<td>49</td>
<td>111</td>
<td>32756</td>
</tr>
<tr>
<td>REV 23BHR55</td>
<td>155.2</td>
<td>193.0</td>
<td>217.8</td>
<td>20.5</td>
<td>3</td>
<td>46</td>
<td>104</td>
<td>30349</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>204.6</td>
<td>•</td>
<td>•</td>
<td>23.5</td>
<td>•</td>
<td>46</td>
<td>103</td>
<td>33468</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>19.6</td>
<td>•</td>
<td>•</td>
<td>3.3</td>
<td>•</td>
<td>5</td>
<td>5</td>
<td>2486</td>
</tr>
<tr>
<td>C.V.</td>
<td>8.2</td>
<td>•</td>
<td>•</td>
<td>12.1</td>
<td>•</td>
<td>9</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td><strong>Mid- to Full-Season Hybrids</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer P2089VYHR</td>
<td>241.6</td>
<td>•</td>
<td>•</td>
<td>28.2</td>
<td>3</td>
<td>51</td>
<td>121</td>
<td>34389</td>
</tr>
<tr>
<td>Pioneer P1847VYHR</td>
<td>231.7</td>
<td>•</td>
<td>•</td>
<td>24.4</td>
<td>1</td>
<td>50</td>
<td>113</td>
<td>33702</td>
</tr>
<tr>
<td>AgriGold A6711VT2PRO</td>
<td>213.4</td>
<td>205.7</td>
<td>218.2</td>
<td>25.3</td>
<td>1</td>
<td>49</td>
<td>108</td>
<td>30779</td>
</tr>
<tr>
<td>Augusta A1367 3220GT</td>
<td>213.3</td>
<td>•</td>
<td>•</td>
<td>28.4</td>
<td>1</td>
<td>49</td>
<td>114</td>
<td>31896</td>
</tr>
<tr>
<td>Armor X8117</td>
<td>213.2</td>
<td>•</td>
<td>•</td>
<td>22.9</td>
<td>1</td>
<td>44</td>
<td>100</td>
<td>33100</td>
</tr>
<tr>
<td>Pioneer P1870YHR</td>
<td>211.4</td>
<td>•</td>
<td>•</td>
<td>25.9</td>
<td>2</td>
<td>46</td>
<td>106</td>
<td>33874</td>
</tr>
<tr>
<td>DEKALB DKC 67-44</td>
<td>207.4</td>
<td>•</td>
<td>•</td>
<td>25.8</td>
<td>1</td>
<td>48</td>
<td>107</td>
<td>31209</td>
</tr>
<tr>
<td>Pfister 77C1SE</td>
<td>206.5</td>
<td>•</td>
<td>•</td>
<td>28.8</td>
<td>1</td>
<td>48</td>
<td>101</td>
<td>33444</td>
</tr>
<tr>
<td>Local LC1776VT2P</td>
<td>204.5</td>
<td>•</td>
<td>•</td>
<td>25.2</td>
<td>3</td>
<td>47</td>
<td>108</td>
<td>33702</td>
</tr>
<tr>
<td>Armor X8118</td>
<td>202.3</td>
<td>•</td>
<td>•</td>
<td>25.2</td>
<td>1</td>
<td>48</td>
<td>108</td>
<td>31552</td>
</tr>
<tr>
<td>Local LC1878VT2P</td>
<td>201.0</td>
<td>•</td>
<td>•</td>
<td>25.4</td>
<td>3</td>
<td>48</td>
<td>103</td>
<td>32412</td>
</tr>
<tr>
<td>Dyna-Gro CX17117</td>
<td>200.8</td>
<td>•</td>
<td>•</td>
<td>26.2</td>
<td>1</td>
<td>47</td>
<td>107</td>
<td>34562</td>
</tr>
<tr>
<td>Dyna-Gro D57VP51</td>
<td>197.7</td>
<td>208.1</td>
<td>221.8</td>
<td>22.8</td>
<td>1</td>
<td>47</td>
<td>105</td>
<td>30263</td>
</tr>
<tr>
<td>Progeny PGY EXP1817</td>
<td>194.7</td>
<td>•</td>
<td>•</td>
<td>24.6</td>
<td>3</td>
<td>50</td>
<td>107</td>
<td>34562</td>
</tr>
<tr>
<td>AgriGold A647-90VT2RIB</td>
<td>194.3</td>
<td>•</td>
<td>•</td>
<td>25.3</td>
<td>3</td>
<td>48</td>
<td>108</td>
<td>33444</td>
</tr>
<tr>
<td>REV 28BHR18</td>
<td>192.9</td>
<td>•</td>
<td>•</td>
<td>26.9</td>
<td>3</td>
<td>52</td>
<td>110</td>
<td>31208</td>
</tr>
<tr>
<td>DEKALB DKC 68-26</td>
<td>192.2</td>
<td>•</td>
<td>•</td>
<td>23.3</td>
<td>2</td>
<td>48</td>
<td>106</td>
<td>33788</td>
</tr>
<tr>
<td>Croplan 6027VT2</td>
<td>191.9</td>
<td>•</td>
<td>•</td>
<td>26.9</td>
<td>2</td>
<td>48</td>
<td>106</td>
<td>28629</td>
</tr>
<tr>
<td>Local LC1987VT2P</td>
<td>190.5</td>
<td>•</td>
<td>•</td>
<td>29.2</td>
<td>3</td>
<td>49</td>
<td>105</td>
<td>29231</td>
</tr>
<tr>
<td>DEKALB DKC 70-27</td>
<td>190.3</td>
<td>•</td>
<td>•</td>
<td>27.6</td>
<td>1</td>
<td>48</td>
<td>105</td>
<td>32154</td>
</tr>
<tr>
<td>Mission A1857SS</td>
<td>190.0</td>
<td>•</td>
<td>•</td>
<td>27.8</td>
<td>3</td>
<td>46</td>
<td>107</td>
<td>35421</td>
</tr>
<tr>
<td>Progeny PGY 6119VT2P</td>
<td>188.8</td>
<td>201.1</td>
<td>•</td>
<td>30.4</td>
<td>1</td>
<td>45</td>
<td>99</td>
<td>35593</td>
</tr>
<tr>
<td>DEKALB DKC 68-69</td>
<td>184.8</td>
<td>•</td>
<td>•</td>
<td>27.0</td>
<td>1</td>
<td>48</td>
<td>108</td>
<td>31896</td>
</tr>
<tr>
<td>Armor 1887</td>
<td>184.2</td>
<td>•</td>
<td>•</td>
<td>27.7</td>
<td>1</td>
<td>50</td>
<td>107</td>
<td>31037</td>
</tr>
<tr>
<td>Dyna-Gro D58VC65</td>
<td>182.1</td>
<td>189.6</td>
<td>•</td>
<td>25.5</td>
<td>1</td>
<td>47</td>
<td>101</td>
<td>32584</td>
</tr>
<tr>
<td>REV 27BHR79</td>
<td>179.8</td>
<td>•</td>
<td>•</td>
<td>26.1</td>
<td>2</td>
<td>51</td>
<td>115</td>
<td>32155</td>
</tr>
<tr>
<td>DEKALB DKC 67-72</td>
<td>173.0</td>
<td>•</td>
<td>•</td>
<td>25.3</td>
<td>3</td>
<td>42</td>
<td>97</td>
<td>34218</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>199.0</td>
<td>•</td>
<td>•</td>
<td>26.2</td>
<td>•</td>
<td>48</td>
<td>107</td>
<td>32622</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>18.6</td>
<td>•</td>
<td>•</td>
<td>2.4</td>
<td>•</td>
<td>3</td>
<td>3.5</td>
<td>2136</td>
</tr>
<tr>
<td>C.V.</td>
<td>7.9</td>
<td>•</td>
<td>•</td>
<td>7.9</td>
<td>•</td>
<td>6</td>
<td>2.8</td>
<td>6</td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2016 and 2018.

<sup>b</sup> Average yield for 2015, 2016, and 2018.

<sup>c</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.
Arkansas Corn and Grain Sorghum Performance Tests 2018

Stuttgart: Rice Research and Extension Center (RREC)

Irrigated Corn Hybrids Trial Summary, 2018

2018 STUTTGART MONTHLY PRECIPITATION

<table>
<thead>
<tr>
<th>Month</th>
<th>Observed (in.)</th>
<th>Average (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>APRIL</td>
<td>6.6</td>
<td>6.0</td>
</tr>
<tr>
<td>MAY</td>
<td>0.5</td>
<td>6.2</td>
</tr>
<tr>
<td>JUNE</td>
<td>0.9</td>
<td>3.6</td>
</tr>
<tr>
<td>JULY</td>
<td>2.5</td>
<td>3.1</td>
</tr>
<tr>
<td>AUGUST</td>
<td>3.7</td>
<td>3.1</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>22.0</td>
</tr>
</tbody>
</table>

Soil Series: Crowley silt loam
Row Spacing: 30"
Soil pH: 5.2
Planting Date: April 19
Irrigation Dates: May 18, 31
June 15, 27
July 8

Fertilizer Application(s):
- 3400 lb/ac Lime
- 70 lb/ac N, 92 lb/ac P,
- 75 lb/ac K, 24 lb/ac Zn
- 200 lb/ac N
- 200 lb/ac N

March 22
April 3
May 16
May 30

Herbicide Application(s):
- Dual II Magnum + Atrazine
- RoundUp + Aim

April 20
August 15

Insecticide Application(s):
- Ravage + Sivanto

July 3
July 13

Harvest Date: Sept. 19

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>2-Year Avg.</th>
<th>3-Year Avg.</th>
<th>Grain Moisture (%)</th>
<th>Stalk Lodging</th>
<th>Ear Height (in.)</th>
<th>Tip Cover Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LG 5650VT2RIB</td>
<td>215.8</td>
<td>231.6</td>
<td>•</td>
<td>15.7</td>
<td>0.0</td>
<td>39</td>
</tr>
<tr>
<td>Armor X8111</td>
<td>215.4</td>
<td>•</td>
<td>•</td>
<td>15.4</td>
<td>0.0</td>
<td>37</td>
</tr>
<tr>
<td>Local AV8614VYHR</td>
<td>215.1</td>
<td>•</td>
<td>•</td>
<td>16.3</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>AgriGold A6572VT2RIB</td>
<td>215.0</td>
<td>224.8</td>
<td>•</td>
<td>15.8</td>
<td>0.0</td>
<td>37</td>
</tr>
<tr>
<td>Pfister 74D2PCR</td>
<td>213.9</td>
<td>•</td>
<td>•</td>
<td>16.3</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>Pfister 75Y1PCR</td>
<td>211.6</td>
<td>•</td>
<td>•</td>
<td>17.0</td>
<td>0.0</td>
<td>44</td>
</tr>
<tr>
<td>Croplan 5678SS</td>
<td>210.2</td>
<td>•</td>
<td>•</td>
<td>15.5</td>
<td>0.0</td>
<td>34</td>
</tr>
<tr>
<td>DEKALB DKC 64-35</td>
<td>210.0</td>
<td>228.1</td>
<td>223.7</td>
<td>15.9</td>
<td>2.0</td>
<td>33</td>
</tr>
<tr>
<td>REV 24BHR99</td>
<td>206.7</td>
<td>•</td>
<td>•</td>
<td>15.9</td>
<td>0.0</td>
<td>37</td>
</tr>
<tr>
<td>Local RL8430VYHR</td>
<td>206.1</td>
<td>•</td>
<td>•</td>
<td>15.0</td>
<td>0.0</td>
<td>45</td>
</tr>
<tr>
<td>BH 8721VT2P</td>
<td>205.6</td>
<td>•</td>
<td>•</td>
<td>15.8</td>
<td>1.0</td>
<td>34</td>
</tr>
<tr>
<td>BH 8737VT2P</td>
<td>204.2</td>
<td>•</td>
<td>•</td>
<td>15.5</td>
<td>1.0</td>
<td>38</td>
</tr>
<tr>
<td>Hefty H6524 RIB</td>
<td>203.7</td>
<td>•</td>
<td>•</td>
<td>15.2</td>
<td>0.0</td>
<td>39</td>
</tr>
<tr>
<td>DEKALB DKC 65-95</td>
<td>203.4</td>
<td>221.7</td>
<td>•</td>
<td>16.0</td>
<td>0.0</td>
<td>35</td>
</tr>
<tr>
<td>Dyna-Gro D54VC14</td>
<td>202.1</td>
<td>•</td>
<td>•</td>
<td>15.4</td>
<td>1.0</td>
<td>33</td>
</tr>
<tr>
<td>DEKALB DKC 62-53</td>
<td>200.6</td>
<td>•</td>
<td>•</td>
<td>15.6</td>
<td>2.0</td>
<td>41</td>
</tr>
<tr>
<td>Local LC1577VT2P</td>
<td>200.4</td>
<td>•</td>
<td>•</td>
<td>15.4</td>
<td>1.0</td>
<td>34</td>
</tr>
<tr>
<td>Pfister 71C1PCR</td>
<td>199.8</td>
<td>216.9</td>
<td>•</td>
<td>15.8</td>
<td>0.0</td>
<td>42</td>
</tr>
<tr>
<td>Progeny PGY 6116VT2P</td>
<td>199.8</td>
<td>214.6</td>
<td>215.5</td>
<td>15.5</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>Progeny PGY 5115VT2P</td>
<td>198.5</td>
<td>211.4</td>
<td>214.4</td>
<td>15.3</td>
<td>1.0</td>
<td>34</td>
</tr>
<tr>
<td>AgriGold A6544VT2RIB</td>
<td>198.2</td>
<td>221.7</td>
<td>•</td>
<td>15.0</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>REV 25BHR26</td>
<td>197.8</td>
<td>223.8</td>
<td>225.5</td>
<td>15.8</td>
<td>0.0</td>
<td>40</td>
</tr>
<tr>
<td>Hefty H6502 RIB</td>
<td>197.7</td>
<td>•</td>
<td>•</td>
<td>16.2</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>LG 5643VT2RIB</td>
<td>197.5</td>
<td>224.9</td>
<td>•</td>
<td>15.2</td>
<td>0.0</td>
<td>39</td>
</tr>
<tr>
<td>Armor 0887</td>
<td>196.2</td>
<td>•</td>
<td>•</td>
<td>15.1</td>
<td>0.0</td>
<td>39</td>
</tr>
<tr>
<td>AgriGold A6659VT2RIB</td>
<td>196.0</td>
<td>220.7</td>
<td>217.8</td>
<td>15.7</td>
<td>0.0</td>
<td>32</td>
</tr>
<tr>
<td>Hefty H6413 RIB</td>
<td>195.5</td>
<td>•</td>
<td>•</td>
<td>15.8</td>
<td>0.0</td>
<td>45</td>
</tr>
<tr>
<td>Mission Mex1548DGVT2P</td>
<td>195.3</td>
<td>•</td>
<td>•</td>
<td>15.3</td>
<td>1.0</td>
<td>36</td>
</tr>
<tr>
<td>DEKALB DKC 66-75</td>
<td>195.1</td>
<td>•</td>
<td>•</td>
<td>16.0</td>
<td>0.0</td>
<td>40</td>
</tr>
<tr>
<td>REV 23BHR55</td>
<td>192.7</td>
<td>218.3</td>
<td>221.7</td>
<td>15.2</td>
<td>0.0</td>
<td>42</td>
</tr>
<tr>
<td>AgriGold A645-10VT2RIB</td>
<td>192.4</td>
<td>209.6</td>
<td>•</td>
<td>15.9</td>
<td>0.0</td>
<td>34</td>
</tr>
<tr>
<td>Dyna-Gro D52VC63</td>
<td>192.0</td>
<td>202.2</td>
<td>•</td>
<td>15.4</td>
<td>0.0</td>
<td>31</td>
</tr>
<tr>
<td>Armor 1447</td>
<td>191.8</td>
<td>226.0</td>
<td>•</td>
<td>15.5</td>
<td>0.0</td>
<td>33</td>
</tr>
<tr>
<td>REV 25BHR89</td>
<td>191.1</td>
<td>•</td>
<td>•</td>
<td>15.6</td>
<td>0.0</td>
<td>43</td>
</tr>
<tr>
<td>Armor 1667</td>
<td>189.8</td>
<td>213.8</td>
<td>•</td>
<td>15.8</td>
<td>0.0</td>
<td>43</td>
</tr>
<tr>
<td>Hefty H6324 RIB</td>
<td>188.8</td>
<td>•</td>
<td>•</td>
<td>15.0</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>Progeny PGY EXP1814</td>
<td>188.2</td>
<td>•</td>
<td>•</td>
<td>14.9</td>
<td>0.0</td>
<td>40</td>
</tr>
<tr>
<td>NK1694 3111</td>
<td>187.9</td>
<td>•</td>
<td>•</td>
<td>16.1</td>
<td>0.0</td>
<td>36</td>
</tr>
<tr>
<td>Hefty H6424 RIB</td>
<td>187.1</td>
<td>•</td>
<td>•</td>
<td>15.4</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>Progeny PGY 8116SS</td>
<td>184.7</td>
<td>218.7</td>
<td>•</td>
<td>15.7</td>
<td>0.0</td>
<td>35</td>
</tr>
<tr>
<td>BH 8735VTTP</td>
<td>182.5</td>
<td>•</td>
<td>•</td>
<td>15.9</td>
<td>0.0</td>
<td>45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield (bu./ac)</th>
<th>2-Year Avg. (bu./ac)</th>
<th>3-Year Avg. (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Stalk Lodging</th>
<th>Ear Height (in.)</th>
<th>Tip Cover Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids Continued</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer P1442YHR</td>
<td>181.6</td>
<td>203.9</td>
<td>•</td>
<td>16.4</td>
<td>1.0</td>
<td>41</td>
<td>3</td>
</tr>
<tr>
<td>NK1573 3110</td>
<td>181.5</td>
<td>•</td>
<td>•</td>
<td>15.5</td>
<td>0.0</td>
<td>30</td>
<td>1</td>
</tr>
<tr>
<td>LG 5663VT2RIB</td>
<td>179.5</td>
<td>207.3</td>
<td>208.3</td>
<td>15.8</td>
<td>0.0</td>
<td>40</td>
<td>3</td>
</tr>
<tr>
<td>Armor X8113</td>
<td>172.5</td>
<td>•</td>
<td>•</td>
<td>15.1</td>
<td>0.0</td>
<td>33</td>
<td>2</td>
</tr>
<tr>
<td>Mission Mex1308VT2P</td>
<td>171.4</td>
<td>•</td>
<td>•</td>
<td>15.5</td>
<td>0.0</td>
<td>36</td>
<td>3</td>
</tr>
<tr>
<td><strong>GRAND MEAN</strong></td>
<td>197.0</td>
<td>•</td>
<td>•</td>
<td>15.6</td>
<td>0.2</td>
<td>38</td>
<td>2</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>18.5</td>
<td>•</td>
<td>•</td>
<td>0.4</td>
<td>0.9</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>C.V.</td>
<td>8.0</td>
<td>•</td>
<td>•</td>
<td>2.1</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td><strong>Mid- to Full-Season Hybrids</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer P1847VYHR</td>
<td>228.3</td>
<td>•</td>
<td>•</td>
<td>16.6</td>
<td>1.0</td>
<td>38</td>
<td>1</td>
</tr>
<tr>
<td>DEKALB DKC 67-72</td>
<td>215.1</td>
<td>226.6</td>
<td>•</td>
<td>16.2</td>
<td>0.0</td>
<td>35</td>
<td>1</td>
</tr>
<tr>
<td>Dyna-Gro D58VC65</td>
<td>210.8</td>
<td>226.3</td>
<td>225.9</td>
<td>15.8</td>
<td>1.0</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>Local LC1776VT2P</td>
<td>210.8</td>
<td>•</td>
<td>•</td>
<td>15.8</td>
<td>0.0</td>
<td>35</td>
<td>1</td>
</tr>
<tr>
<td>Progeny PGY EXP1817</td>
<td>205.3</td>
<td>•</td>
<td>15.7</td>
<td>0.0</td>
<td>40</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Augusta A1367 3220GT</td>
<td>205.1</td>
<td>•</td>
<td>16.2</td>
<td>0.0</td>
<td>41</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DEKALB DKC 68-26</td>
<td>205.0</td>
<td>215.6</td>
<td>•</td>
<td>17.3</td>
<td>0.0</td>
<td>36</td>
<td>1</td>
</tr>
<tr>
<td>Armor X8117</td>
<td>204.2</td>
<td>•</td>
<td>15.7</td>
<td>0.0</td>
<td>38</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pioneer P1870YHR</td>
<td>204.0</td>
<td>224.3</td>
<td>•</td>
<td>16.9</td>
<td>0.0</td>
<td>37</td>
<td>1</td>
</tr>
<tr>
<td>DEKALB DKC 67-44</td>
<td>203.1</td>
<td>225.2</td>
<td>•</td>
<td>16.6</td>
<td>0.0</td>
<td>33</td>
<td>1</td>
</tr>
<tr>
<td>DEKALB DKC 70-27</td>
<td>203.0</td>
<td>225.2</td>
<td>•</td>
<td>16.5</td>
<td>0.0</td>
<td>36</td>
<td>3</td>
</tr>
<tr>
<td>AgriGold A6711VT2PRO</td>
<td>201.8</td>
<td>219.5</td>
<td>223.5</td>
<td>15.7</td>
<td>0.0</td>
<td>34</td>
<td>1</td>
</tr>
<tr>
<td>Armor 1887</td>
<td>201.7</td>
<td>210.3</td>
<td>•</td>
<td>16.5</td>
<td>0.0</td>
<td>37</td>
<td>1</td>
</tr>
<tr>
<td>Dyna-Gro D57VP51</td>
<td>201.4</td>
<td>221.7</td>
<td>221.4</td>
<td>15.7</td>
<td>0.0</td>
<td>33</td>
<td>2</td>
</tr>
<tr>
<td>Dyna-Gro CX17117</td>
<td>200.0</td>
<td>•</td>
<td>16.2</td>
<td>0.0</td>
<td>42</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Croplan 6027VT2</td>
<td>198.9</td>
<td>•</td>
<td>16.9</td>
<td>0.0</td>
<td>39</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Progeny PGY 6119VT2P</td>
<td>198.2</td>
<td>212.4</td>
<td>214.3</td>
<td>16.2</td>
<td>0.0</td>
<td>42</td>
<td>1</td>
</tr>
<tr>
<td>REV 28BHR18</td>
<td>197.0</td>
<td>210.7</td>
<td>•</td>
<td>16.7</td>
<td>0.0</td>
<td>41</td>
<td>2</td>
</tr>
<tr>
<td>Local LC1878VT2P</td>
<td>196.2</td>
<td>•</td>
<td>•</td>
<td>16.1</td>
<td>0.0</td>
<td>42</td>
<td>1</td>
</tr>
<tr>
<td>Pioneer P2089VYHR</td>
<td>194.5</td>
<td>214.4</td>
<td>16.7</td>
<td>0.0</td>
<td>43</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Armor X8118</td>
<td>193.0</td>
<td>•</td>
<td>16.1</td>
<td>0.0</td>
<td>39</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>REV 27BHR79</td>
<td>192.3</td>
<td>•</td>
<td>16.8</td>
<td>0.0</td>
<td>36</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Mission A1857SS</td>
<td>192.2</td>
<td>•</td>
<td>16.3</td>
<td>0.0</td>
<td>41</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>AgriGold A647-90VT2RIB</td>
<td>191.7</td>
<td>•</td>
<td>16.4</td>
<td>0.0</td>
<td>35</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Local LC1987VT2P</td>
<td>190.1</td>
<td>•</td>
<td>16.6</td>
<td>0.0</td>
<td>37</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pfister 77C15E</td>
<td>186.2</td>
<td>•</td>
<td>17.2</td>
<td>0.0</td>
<td>38</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DEKALB DKC 68-69</td>
<td>179.8</td>
<td>•</td>
<td>15.6</td>
<td>0.0</td>
<td>37</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>GRAND MEAN</strong></td>
<td>200.3</td>
<td>•</td>
<td>16.3</td>
<td>0.1</td>
<td>38</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>15.9</td>
<td>•</td>
<td>0.5</td>
<td>0.4</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>C.V.</td>
<td>6.7</td>
<td>•</td>
<td>2.5</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

\(a\) Average yield for 2016 and 2017.

\(b\) Average yield for 2015, 2016, and 2017.

\(c\) Average number of plants broken below an ear at harvest.

\(d\) Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.
Rohwer: Rohwer Research Station (RRS)

Irrigated Corn Hybrids Trial Summary, 2018

**Soil Series:** Herbert silt loam

**Row Spacing:** 38"

**Planting Date:** April 10

**Irrigation Dates:** May 15, 25, June 1, 8, 15, 27, July 4, 10, 17, 24

**Fertilizer Application(s):** 32% liquid N, 34.5 gal/ac

- May 8
- May 23

**Herbicide Application(s):** 2,4-D + RoundUp, Paraquat + Dual II Magnum + Atrazine, Halex GT + Atrazine

- March 14
- April 12
- May 23

**Harvest Date:** Aug. 29

![2018 Rohwer Monthly Precipitation Graph](image-url)

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield</th>
<th>2-Year Avg.</th>
<th>3-Year Avg.</th>
<th>Grain Moisture</th>
<th>Ear Height</th>
<th>Plant Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(bu./ac)</td>
<td>(bu./ac)</td>
<td>(bu./ac)</td>
<td>(%)</td>
<td>(in.)</td>
<td>(in.)</td>
</tr>
<tr>
<td>Early- to Mid-Season Hybrids</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEKALB DKC 65-95</td>
<td>228.3</td>
<td>241.1</td>
<td>•</td>
<td>16.8</td>
<td>50</td>
<td>101</td>
</tr>
<tr>
<td>Progeny PGY EXP1814</td>
<td>214.2</td>
<td>•</td>
<td>•</td>
<td>16.2</td>
<td>52</td>
<td>92</td>
</tr>
<tr>
<td>Mission Mex1548DGVT2P</td>
<td>213.9</td>
<td>•</td>
<td>•</td>
<td>17.0</td>
<td>49</td>
<td>105</td>
</tr>
<tr>
<td>Dyna-Gro D54VC14</td>
<td>213.5</td>
<td>•</td>
<td>•</td>
<td>16.1</td>
<td>46</td>
<td>96</td>
</tr>
<tr>
<td>DEKALB DKC 66-75</td>
<td>213.4</td>
<td>•</td>
<td>•</td>
<td>16.5</td>
<td>48</td>
<td>100</td>
</tr>
<tr>
<td>LG 5650VT2R1B</td>
<td>212.7</td>
<td>245.7</td>
<td>•</td>
<td>17.0</td>
<td>49</td>
<td>98</td>
</tr>
<tr>
<td>Pfister 71C1PCR</td>
<td>211.9</td>
<td>229.6</td>
<td>•</td>
<td>18.5</td>
<td>49</td>
<td>99</td>
</tr>
<tr>
<td>Armor 1447</td>
<td>211.5</td>
<td>238.7</td>
<td>•</td>
<td>16.1</td>
<td>48</td>
<td>99</td>
</tr>
<tr>
<td>NK1694 3111</td>
<td>211.3</td>
<td>•</td>
<td>•</td>
<td>17.4</td>
<td>47</td>
<td>99</td>
</tr>
<tr>
<td>Local AV8614VYHR</td>
<td>209.8</td>
<td>•</td>
<td>•</td>
<td>17.5</td>
<td>49</td>
<td>111</td>
</tr>
<tr>
<td>AgriGold A6572VT2RIB</td>
<td>209.6</td>
<td>231.4</td>
<td>•</td>
<td>16.2</td>
<td>52</td>
<td>104</td>
</tr>
<tr>
<td>REV 24BHR99</td>
<td>208.3</td>
<td>•</td>
<td>•</td>
<td>16.8</td>
<td>48</td>
<td>108</td>
</tr>
<tr>
<td>Progeny PGY 5115VT2P</td>
<td>207.4</td>
<td>222.1</td>
<td>229.0</td>
<td>16.5</td>
<td>46</td>
<td>95</td>
</tr>
<tr>
<td>REV 25BHR26</td>
<td>206.4</td>
<td>230.7</td>
<td>222.5</td>
<td>16.2</td>
<td>50</td>
<td>107</td>
</tr>
<tr>
<td>Hefty H6413 RIB</td>
<td>205.3</td>
<td>•</td>
<td>•</td>
<td>17.5</td>
<td>47</td>
<td>99</td>
</tr>
<tr>
<td>AgriGold A6659VT2RIB</td>
<td>204.5</td>
<td>237.2</td>
<td>238.5</td>
<td>17.2</td>
<td>46</td>
<td>104</td>
</tr>
<tr>
<td>AgriGold A6544VT2RIB</td>
<td>204.3</td>
<td>226.8</td>
<td>•</td>
<td>16.3</td>
<td>48</td>
<td>97</td>
</tr>
<tr>
<td>Pfister 75Y1PCR</td>
<td>203.5</td>
<td>•</td>
<td>•</td>
<td>18.5</td>
<td>50</td>
<td>108</td>
</tr>
<tr>
<td>Hefty H6324 RIB</td>
<td>203.3</td>
<td>•</td>
<td>•</td>
<td>15.9</td>
<td>48</td>
<td>98</td>
</tr>
<tr>
<td>LG 5663VT2RIB</td>
<td>203.2</td>
<td>229.1</td>
<td>227.8</td>
<td>16.7</td>
<td>49</td>
<td>98</td>
</tr>
<tr>
<td>Croplan 56785S</td>
<td>202.8</td>
<td>•</td>
<td>•</td>
<td>16.7</td>
<td>49</td>
<td>100</td>
</tr>
<tr>
<td>Hefty H6524 RIB</td>
<td>202.8</td>
<td>•</td>
<td>•</td>
<td>16.5</td>
<td>50</td>
<td>99</td>
</tr>
<tr>
<td>BH 8721VT2P</td>
<td>201.4</td>
<td>•</td>
<td>•</td>
<td>17.8</td>
<td>49</td>
<td>108</td>
</tr>
<tr>
<td>Pfister 74D2PCR</td>
<td>201.2</td>
<td>•</td>
<td>•</td>
<td>17.5</td>
<td>49</td>
<td>108</td>
</tr>
<tr>
<td>Progeny PGY 81165S</td>
<td>200.2</td>
<td>232.2</td>
<td>•</td>
<td>16.9</td>
<td>48</td>
<td>106</td>
</tr>
<tr>
<td>Dyna-Gro D52VC63</td>
<td>199.8</td>
<td>220.9</td>
<td>•</td>
<td>16.3</td>
<td>47</td>
<td>106</td>
</tr>
<tr>
<td>DEKALB DKC 62-53</td>
<td>199.1</td>
<td>•</td>
<td>•</td>
<td>15.5</td>
<td>47</td>
<td>103</td>
</tr>
<tr>
<td>Armor 1667</td>
<td>198.8</td>
<td>226.8</td>
<td>•</td>
<td>17.0</td>
<td>49</td>
<td>109</td>
</tr>
<tr>
<td>DEKALB DKC 64-35</td>
<td>198.4</td>
<td>226.2</td>
<td>229.8</td>
<td>16.4</td>
<td>46</td>
<td>100</td>
</tr>
<tr>
<td>LG 5643VT2RIB</td>
<td>198.0</td>
<td>226.1</td>
<td>•</td>
<td>15.7</td>
<td>48</td>
<td>106</td>
</tr>
<tr>
<td>Armor 0887</td>
<td>196.8</td>
<td>•</td>
<td>•</td>
<td>15.1</td>
<td>50</td>
<td>102</td>
</tr>
<tr>
<td>BH 8735VTTP</td>
<td>196.5</td>
<td>•</td>
<td>•</td>
<td>17.3</td>
<td>51</td>
<td>109</td>
</tr>
<tr>
<td>Progeny PGY 6116VT2P</td>
<td>194.9</td>
<td>220.1</td>
<td>219.8</td>
<td>17.3</td>
<td>48</td>
<td>102</td>
</tr>
<tr>
<td>NK1573 3110</td>
<td>194.6</td>
<td>•</td>
<td>•</td>
<td>16.1</td>
<td>45</td>
<td>101</td>
</tr>
<tr>
<td>BH 8737VT2P</td>
<td>194.1</td>
<td>•</td>
<td>•</td>
<td>16.3</td>
<td>48</td>
<td>104</td>
</tr>
<tr>
<td>Local LC1577VT2P</td>
<td>194.0</td>
<td>•</td>
<td>•</td>
<td>16.7</td>
<td>47</td>
<td>94</td>
</tr>
<tr>
<td>Hefty H6502 RIB</td>
<td>193.9</td>
<td>•</td>
<td>•</td>
<td>17.3</td>
<td>49</td>
<td>101</td>
</tr>
<tr>
<td>AgriGold A645-10VT2RIB</td>
<td>188.1</td>
<td>220.9</td>
<td>•</td>
<td>17.0</td>
<td>50</td>
<td>102</td>
</tr>
<tr>
<td>Armor X8111</td>
<td>187.0</td>
<td>•</td>
<td>•</td>
<td>15.4</td>
<td>47</td>
<td>101</td>
</tr>
<tr>
<td>Pioneer P1442YHR</td>
<td>185.2</td>
<td>205.8</td>
<td>•</td>
<td>17.1</td>
<td>49</td>
<td>104</td>
</tr>
<tr>
<td>Hefty H6424 RIB</td>
<td>184.1</td>
<td>•</td>
<td>•</td>
<td>16.4</td>
<td>45</td>
<td>90</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield (bu./ac)</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Avg. (bu./ac)</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Avg. (bu./ac)</th>
<th>Grain Moisture (%)</th>
<th>Ear Height (in.)</th>
<th>Plant Height (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids Continued</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mission Mex1308VT2P</td>
<td>178.8</td>
<td>•</td>
<td>•</td>
<td>16.4</td>
<td>47</td>
<td>98</td>
</tr>
<tr>
<td>Armor X8113</td>
<td>174.4</td>
<td>•</td>
<td>•</td>
<td>16.4</td>
<td>46</td>
<td>96</td>
</tr>
<tr>
<td>REV 25BHR89</td>
<td>173.8</td>
<td>•</td>
<td>•</td>
<td>16.5</td>
<td>46</td>
<td>101</td>
</tr>
<tr>
<td>REV 23BHR55</td>
<td>171.5</td>
<td>212.7</td>
<td>217.9</td>
<td>15.5</td>
<td>42</td>
<td>94</td>
</tr>
<tr>
<td>Local RL8430VYHR</td>
<td>160.8</td>
<td>•</td>
<td>•</td>
<td>15.3</td>
<td>45</td>
<td>102</td>
</tr>
<tr>
<td><strong>GRAND MEAN</strong></td>
<td>199.3</td>
<td>•</td>
<td>•</td>
<td>16.6</td>
<td>48</td>
<td>101</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>18.2</td>
<td>•</td>
<td>•</td>
<td>0.7</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>C.V.</td>
<td>6.7</td>
<td>•</td>
<td>•</td>
<td>3.3</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td><strong>Mid- to Full-Season</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer P1847VYHR</td>
<td>212.6</td>
<td>•</td>
<td>•</td>
<td>17.7</td>
<td>48</td>
<td>107</td>
</tr>
<tr>
<td>DEKALB DKC 67-44</td>
<td>209.3</td>
<td>240.2</td>
<td>•</td>
<td>17.1</td>
<td>48</td>
<td>101</td>
</tr>
<tr>
<td>DEKALB DKC 67-72</td>
<td>207.6</td>
<td>224.3</td>
<td>•</td>
<td>16.3</td>
<td>46</td>
<td>92</td>
</tr>
<tr>
<td>Dyna-Gro D58VC65</td>
<td>200.7</td>
<td>232.4</td>
<td>241.6</td>
<td>16.7</td>
<td>46</td>
<td>92</td>
</tr>
<tr>
<td>Pioneer P1870VHR</td>
<td>195.3</td>
<td>229.9</td>
<td>•</td>
<td>17.9</td>
<td>44</td>
<td>99</td>
</tr>
<tr>
<td>Augusta A1367 3220GT</td>
<td>194.9</td>
<td>•</td>
<td>•</td>
<td>18.3</td>
<td>47</td>
<td>110</td>
</tr>
<tr>
<td>Mission A1857S</td>
<td>194.5</td>
<td>•</td>
<td>•</td>
<td>17.1</td>
<td>49</td>
<td>99</td>
</tr>
<tr>
<td>Progeny PGY EXP1817</td>
<td>193.5</td>
<td>•</td>
<td>•</td>
<td>17.9</td>
<td>46</td>
<td>100</td>
</tr>
<tr>
<td>DEKALB DKC 68-26</td>
<td>193.4</td>
<td>221.0</td>
<td>•</td>
<td>18.0</td>
<td>49</td>
<td>101</td>
</tr>
<tr>
<td>AgriGold A647-90VT2RIB</td>
<td>192.3</td>
<td>•</td>
<td>•</td>
<td>17.3</td>
<td>50</td>
<td>102</td>
</tr>
<tr>
<td>REV 28BHR18</td>
<td>192.0</td>
<td>225.3</td>
<td>•</td>
<td>17.7</td>
<td>50</td>
<td>105</td>
</tr>
<tr>
<td>Dyna-Gro CX17117</td>
<td>191.7</td>
<td>•</td>
<td>•</td>
<td>17.1</td>
<td>49</td>
<td>102</td>
</tr>
<tr>
<td>DEKALB DKC 70-27</td>
<td>191.1</td>
<td>232.3</td>
<td>•</td>
<td>17.6</td>
<td>47</td>
<td>101</td>
</tr>
<tr>
<td>Pfister 77C1SE</td>
<td>190.9</td>
<td>•</td>
<td>•</td>
<td>19.1</td>
<td>47</td>
<td>96</td>
</tr>
<tr>
<td>Local LC1776VT2P</td>
<td>190.4</td>
<td>•</td>
<td>•</td>
<td>17.6</td>
<td>44</td>
<td>97</td>
</tr>
<tr>
<td>AgriGold A6711VT2PRO</td>
<td>190.3</td>
<td>225.7</td>
<td>239.1</td>
<td>17.7</td>
<td>46</td>
<td>98</td>
</tr>
<tr>
<td>REV 27BHR79</td>
<td>189.1</td>
<td>•</td>
<td>•</td>
<td>17.4</td>
<td>47</td>
<td>110</td>
</tr>
<tr>
<td>Croplan 6027VT2</td>
<td>188.6</td>
<td>•</td>
<td>•</td>
<td>19.2</td>
<td>45</td>
<td>98</td>
</tr>
<tr>
<td>Local LC1879VT2P</td>
<td>188.4</td>
<td>•</td>
<td>•</td>
<td>16.8</td>
<td>49</td>
<td>101</td>
</tr>
<tr>
<td>DEKALB DKC 68-69</td>
<td>188.2</td>
<td>•</td>
<td>•</td>
<td>17.1</td>
<td>46</td>
<td>103</td>
</tr>
<tr>
<td>Dyna-Gro D57VP51</td>
<td>187.6</td>
<td>234.2</td>
<td>238.4</td>
<td>16.5</td>
<td>44</td>
<td>98</td>
</tr>
<tr>
<td>Progeny PGY 6119VT2P</td>
<td>186.3</td>
<td>233.0</td>
<td>233.9</td>
<td>18.0</td>
<td>46</td>
<td>97</td>
</tr>
<tr>
<td>Armor X8118</td>
<td>185.7</td>
<td>•</td>
<td>•</td>
<td>17.3</td>
<td>47</td>
<td>92</td>
</tr>
<tr>
<td>Pioneer P2089VYHR</td>
<td>184.9</td>
<td>224.1</td>
<td>•</td>
<td>16.8</td>
<td>47</td>
<td>109</td>
</tr>
<tr>
<td>Local LC1987VT2P</td>
<td>181.7</td>
<td>•</td>
<td>•</td>
<td>17.6</td>
<td>48</td>
<td>102</td>
</tr>
<tr>
<td>Armor X8117</td>
<td>180.9</td>
<td>•</td>
<td>•</td>
<td>16.2</td>
<td>46</td>
<td>92</td>
</tr>
<tr>
<td>Armor 1887</td>
<td>174.6</td>
<td>213.1</td>
<td>•</td>
<td>17.3</td>
<td>47</td>
<td>103</td>
</tr>
<tr>
<td><strong>GRAND MEAN</strong></td>
<td>191.7</td>
<td>•</td>
<td>•</td>
<td>17.4</td>
<td>47</td>
<td>100</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>14.8</td>
<td>•</td>
<td>•</td>
<td>0.7</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>C.V.</td>
<td>6.5</td>
<td>•</td>
<td>•</td>
<td>3.2</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2016 and 2017.

<sup>b</sup> Average yield for 2015, 2016, and 2017.

<sup>c</sup> Average number of plants broken below an ear at harvest.

<sup>d</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.
Des Arc: Bell Farming Co. (BFC)

Irrigated Corn Hybrids Trial Summary, 2018

Soil Series: Calhoun silt loam
Previous Crop: Soybean
Row Spacing: 30"
Planting Date: April 19
Fertilizer Application(s): Fall 2017, 0-0-60 150 units
                        Spring 2018, 60-40-0-46 150 units
                        300 lb/ac urea
                        150 lb/ac urea at V10
Herbicide Application(s): Halex GT + Atrazine
Harvest Date: Sept. 4

2018 BELL FARM MONTHLY PRECIPITATION

<table>
<thead>
<tr>
<th>Month</th>
<th>Observed (in.)</th>
<th>Average (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>5.0</td>
<td>5.2</td>
</tr>
<tr>
<td>May</td>
<td>2.5</td>
<td>5.1</td>
</tr>
<tr>
<td>June</td>
<td>2.0</td>
<td>3.2</td>
</tr>
<tr>
<td>July</td>
<td>3.2</td>
<td>3.1</td>
</tr>
<tr>
<td>August</td>
<td>6.0</td>
<td>2.4</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>18.7</td>
</tr>
</tbody>
</table>

Des Arc, Ark.

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield 2-Year a Avg. (bu./A)</th>
<th>Yield 3-Year b Avg. (bu./A)</th>
<th>Grain Moisture (%)</th>
<th>Stalk Lodging</th>
<th>Ear Height (in.)</th>
<th>Tip Cover Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AgriGold A6659VT2RIB</td>
<td>236.5</td>
<td>245.3</td>
<td>249.5</td>
<td>17.1</td>
<td>0.0</td>
<td>52</td>
</tr>
<tr>
<td>NK1694 3111</td>
<td>230.1</td>
<td>•</td>
<td>•</td>
<td>17.5</td>
<td>0.0</td>
<td>52</td>
</tr>
<tr>
<td>DEKALB DKC 66-75</td>
<td>219.3</td>
<td>•</td>
<td>•</td>
<td>17.4</td>
<td>0.0</td>
<td>58</td>
</tr>
<tr>
<td>Progeny PGY 5115VT2P</td>
<td>215.6</td>
<td>223.5</td>
<td>220.2</td>
<td>17.4</td>
<td>0.0</td>
<td>51</td>
</tr>
<tr>
<td>Local LC1577VT2P</td>
<td>211.3</td>
<td>•</td>
<td>•</td>
<td>17.4</td>
<td>0.0</td>
<td>38</td>
</tr>
<tr>
<td>Dyna-Gro D52VC63</td>
<td>210.7</td>
<td>220.0</td>
<td>•</td>
<td>16.6</td>
<td>0.0</td>
<td>55</td>
</tr>
<tr>
<td>LG 5643VT2RIB</td>
<td>210.4</td>
<td>224.1</td>
<td>•</td>
<td>16.8</td>
<td>0.0</td>
<td>46</td>
</tr>
<tr>
<td>Armor 1447</td>
<td>209.4</td>
<td>233.4</td>
<td>•</td>
<td>16.8</td>
<td>0.0</td>
<td>52</td>
</tr>
<tr>
<td>BH 8737VT2P</td>
<td>209.0</td>
<td>•</td>
<td>•</td>
<td>17.1</td>
<td>0.0</td>
<td>53</td>
</tr>
<tr>
<td>Croplan 5678SS</td>
<td>206.5</td>
<td>•</td>
<td>•</td>
<td>17.7</td>
<td>0.0</td>
<td>45</td>
</tr>
<tr>
<td>Armor X8111</td>
<td>205.6</td>
<td>•</td>
<td>•</td>
<td>16.6</td>
<td>0.0</td>
<td>53</td>
</tr>
<tr>
<td>AgriGold A6544VT2RIB</td>
<td>205.3</td>
<td>223.3</td>
<td>•</td>
<td>17.0</td>
<td>0.0</td>
<td>47</td>
</tr>
<tr>
<td>Pfister 74D2PCR</td>
<td>204.8</td>
<td>•</td>
<td>•</td>
<td>18.2</td>
<td>0.0</td>
<td>57</td>
</tr>
<tr>
<td>Hefty H6524 RIB</td>
<td>204.0</td>
<td>•</td>
<td>•</td>
<td>16.8</td>
<td>0.0</td>
<td>44</td>
</tr>
<tr>
<td>REV 23BHR55</td>
<td>202.3</td>
<td>229.3</td>
<td>231.7</td>
<td>16.2</td>
<td>0.0</td>
<td>56</td>
</tr>
<tr>
<td>NK1573 3110</td>
<td>199.8</td>
<td>•</td>
<td>•</td>
<td>17.0</td>
<td>0.0</td>
<td>54</td>
</tr>
<tr>
<td>DEKALB DKC 65-95</td>
<td>198.8</td>
<td>225.3</td>
<td>•</td>
<td>17.4</td>
<td>0.0</td>
<td>53</td>
</tr>
<tr>
<td>LG 5650VT2RIB</td>
<td>198.4</td>
<td>220.3</td>
<td>•</td>
<td>17.2</td>
<td>0.0</td>
<td>52</td>
</tr>
<tr>
<td>Dyna-Gro D54VC14</td>
<td>197.9</td>
<td>•</td>
<td>•</td>
<td>16.8</td>
<td>0.0</td>
<td>50</td>
</tr>
<tr>
<td>Hefty H6502 RIB</td>
<td>197.7</td>
<td>•</td>
<td>•</td>
<td>17.8</td>
<td>0.0</td>
<td>44</td>
</tr>
<tr>
<td>AgriGold A6572VT2RIB</td>
<td>196.9</td>
<td>211.0</td>
<td>•</td>
<td>16.9</td>
<td>0.0</td>
<td>51</td>
</tr>
<tr>
<td>Armor 0887</td>
<td>196.4</td>
<td>•</td>
<td>•</td>
<td>15.9</td>
<td>0.0</td>
<td>53</td>
</tr>
<tr>
<td>Local AV8614VYHR</td>
<td>196.0</td>
<td>•</td>
<td>17.1</td>
<td>0.0</td>
<td>49</td>
<td>2</td>
</tr>
<tr>
<td>Pfister 75Y1PCR</td>
<td>195.7</td>
<td>•</td>
<td>•</td>
<td>18.8</td>
<td>0.0</td>
<td>52</td>
</tr>
<tr>
<td>REV 25BHR89</td>
<td>195.7</td>
<td>•</td>
<td>17.1</td>
<td>0.0</td>
<td>51</td>
<td>3</td>
</tr>
<tr>
<td>Progeny PGY EXP1814</td>
<td>194.4</td>
<td>•</td>
<td>•</td>
<td>16.7</td>
<td>0.0</td>
<td>51</td>
</tr>
<tr>
<td>Hefty H6424 RIB</td>
<td>192.2</td>
<td>•</td>
<td>•</td>
<td>17.5</td>
<td>0.0</td>
<td>48</td>
</tr>
<tr>
<td>BH 8721VT2P</td>
<td>192.2</td>
<td>•</td>
<td>18.1</td>
<td>0.0</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>AgriGold A645-10VT2RIB</td>
<td>191.3</td>
<td>204.9</td>
<td>•</td>
<td>17.6</td>
<td>0.0</td>
<td>51</td>
</tr>
<tr>
<td>LG 5663VT2RIB</td>
<td>190.1</td>
<td>204.5</td>
<td>•</td>
<td>17.9</td>
<td>0.0</td>
<td>47</td>
</tr>
<tr>
<td>Progeny PGY 6116VT2P</td>
<td>190.0</td>
<td>216.0</td>
<td>•</td>
<td>17.0</td>
<td>0.0</td>
<td>52</td>
</tr>
<tr>
<td>DEKALB DKC 64-35</td>
<td>188.9</td>
<td>216.0</td>
<td>•</td>
<td>16.9</td>
<td>0.0</td>
<td>56</td>
</tr>
<tr>
<td>DEKALB DKC 62-53</td>
<td>186.9</td>
<td>•</td>
<td>•</td>
<td>16.4</td>
<td>0.0</td>
<td>43</td>
</tr>
<tr>
<td>Hefty H6324 RIB</td>
<td>186.6</td>
<td>•</td>
<td>16.5</td>
<td>0.0</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>Pfister 71C1PCR</td>
<td>186.5</td>
<td>201.7</td>
<td>•</td>
<td>18.2</td>
<td>0.0</td>
<td>55</td>
</tr>
<tr>
<td>Mission Mex1308VT2P</td>
<td>184.8</td>
<td>•</td>
<td>•</td>
<td>16.7</td>
<td>0.0</td>
<td>44</td>
</tr>
<tr>
<td>Progeny PGY 8116SS</td>
<td>182.7</td>
<td>202.9</td>
<td>•</td>
<td>17.4</td>
<td>0.0</td>
<td>54</td>
</tr>
<tr>
<td>Mission Mex1548DGVT2P</td>
<td>179.1</td>
<td>•</td>
<td>16.8</td>
<td>0.0</td>
<td>51</td>
<td>3</td>
</tr>
<tr>
<td>Hefty H6413 RIB</td>
<td>177.8</td>
<td>•</td>
<td>•</td>
<td>16.7</td>
<td>0.0</td>
<td>49</td>
</tr>
<tr>
<td>BH 8735VTTP</td>
<td>175.8</td>
<td>•</td>
<td>•</td>
<td>17.4</td>
<td>0.0</td>
<td>55</td>
</tr>
<tr>
<td>REV 24BHR99</td>
<td>175.6</td>
<td>•</td>
<td>•</td>
<td>17.2</td>
<td>0.0</td>
<td>53</td>
</tr>
</tbody>
</table>
Table 13. Performance of Irrigated Corn Hybrids, Bell Farming Co., Des Arc, Ark., 2018, continued.

<table>
<thead>
<tr>
<th>Brand/Hybrid</th>
<th>Yield</th>
<th>2-Year&lt;sup&gt;a&lt;/sup&gt; Avg.</th>
<th>3-Year&lt;sup&gt;b&lt;/sup&gt; Avg.</th>
<th>Grain Moisture (%)</th>
<th>Stalk&lt;sup&gt;c&lt;/sup&gt; Lodging</th>
<th>Ear Height (in.)</th>
<th>Tip&lt;sup&gt;d&lt;/sup&gt; Cover Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early- to Mid-Season Hybrids Continued</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local RL8430VYHR</td>
<td>175.5</td>
<td>•</td>
<td>•</td>
<td>16.3</td>
<td>0.0</td>
<td>48</td>
<td>3</td>
</tr>
<tr>
<td>Pioneer P1442YHR</td>
<td>174.4</td>
<td>201.5</td>
<td>•</td>
<td>17.5</td>
<td>0.0</td>
<td>51</td>
<td>3</td>
</tr>
<tr>
<td>Armor 1667</td>
<td>174.1</td>
<td>202.8</td>
<td>•</td>
<td>17.6</td>
<td>0.0</td>
<td>55</td>
<td>3</td>
</tr>
<tr>
<td>Armor X8113</td>
<td>170.4</td>
<td>•</td>
<td>16.5</td>
<td>0.0</td>
<td>45</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>REV 25BHR26</td>
<td>168.6</td>
<td>218.6</td>
<td>229.9</td>
<td>16.8</td>
<td>0.0</td>
<td>55</td>
<td>3</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>195.5</td>
<td>•</td>
<td>•</td>
<td>17.1</td>
<td>0.0</td>
<td>51</td>
<td>2</td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>22.4</td>
<td>•</td>
<td>•</td>
<td>0.6</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>C.V.</td>
<td>9.8</td>
<td>•</td>
<td>3.1</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td><strong>Mid- to Full-Season</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEKALB DKC 67-44</td>
<td>257.7</td>
<td>254.6</td>
<td>•</td>
<td>18.7</td>
<td>0.0</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>Dyna-Gro D57VP51</td>
<td>222.2</td>
<td>235.7</td>
<td>236.6</td>
<td>17.7</td>
<td>0.0</td>
<td>48</td>
<td>3</td>
</tr>
<tr>
<td>Armor X8117</td>
<td>217.5</td>
<td>•</td>
<td>18.2</td>
<td>0.0</td>
<td>48</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Armor X8118</td>
<td>212.5</td>
<td>•</td>
<td>17.9</td>
<td>0.0</td>
<td>48</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Croplan 6027VT2</td>
<td>211.9</td>
<td>•</td>
<td>19.8</td>
<td>0.0</td>
<td>48</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DEKALB DKC 68-26</td>
<td>211.7</td>
<td>223.0</td>
<td>•</td>
<td>18.8</td>
<td>1.0</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>DEKALB DKC 67-72</td>
<td>211.6</td>
<td>217.1</td>
<td>•</td>
<td>17.9</td>
<td>0.0</td>
<td>42</td>
<td>2</td>
</tr>
<tr>
<td>DEKALB DKC 70-27</td>
<td>210.4</td>
<td>232.2</td>
<td>•</td>
<td>18.7</td>
<td>1.0</td>
<td>48</td>
<td>1</td>
</tr>
<tr>
<td>REV 27BHR79</td>
<td>209.0</td>
<td>•</td>
<td>•</td>
<td>18.4</td>
<td>0.0</td>
<td>52</td>
<td>3</td>
</tr>
<tr>
<td>Progeny PGY EXP1817</td>
<td>207.6</td>
<td>•</td>
<td>18.8</td>
<td>0.0</td>
<td>47</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Local LC1776VT2P</td>
<td>207.5</td>
<td>•</td>
<td>18.4</td>
<td>0.0</td>
<td>49</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Local LC1878VT2P</td>
<td>206.2</td>
<td>•</td>
<td>18.5</td>
<td>1.0</td>
<td>53</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Progeny PGY 6119VT2P</td>
<td>203.5</td>
<td>•</td>
<td>19.2</td>
<td>0.0</td>
<td>47</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pioneer P1847VYHR</td>
<td>203.5</td>
<td>•</td>
<td>18.6</td>
<td>0.0</td>
<td>47</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro DS8VC65</td>
<td>203.0</td>
<td>228.6</td>
<td>•</td>
<td>17.9</td>
<td>1.0</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>Armor 1887</td>
<td>201.2</td>
<td>220.9</td>
<td>•</td>
<td>18.2</td>
<td>0.0</td>
<td>47</td>
<td>1</td>
</tr>
<tr>
<td>Pfister 77C1SE</td>
<td>200.8</td>
<td>•</td>
<td>19.4</td>
<td>0.0</td>
<td>51</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>AgriGold A6711VT2PRO</td>
<td>200.5</td>
<td>224.7</td>
<td>234.5</td>
<td>17.8</td>
<td>0.0</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>Augusta A1367 3220GT</td>
<td>195.8</td>
<td>•</td>
<td>19.3</td>
<td>0.0</td>
<td>48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dyna-Gro CX17117</td>
<td>191.6</td>
<td>•</td>
<td>18.2</td>
<td>0.0</td>
<td>51</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>AgriGold A647-90VT2RIB</td>
<td>189.1</td>
<td>•</td>
<td>18.5</td>
<td>0.0</td>
<td>47</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DEKALB DKC 68-69</td>
<td>188.8</td>
<td>•</td>
<td>17.0</td>
<td>0.0</td>
<td>50</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Local LC1987VT2P</td>
<td>183.6</td>
<td>•</td>
<td>18.6</td>
<td>0.0</td>
<td>48</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pioneer P1870YHR</td>
<td>182.5</td>
<td>224.8</td>
<td>•</td>
<td>19.1</td>
<td>0.0</td>
<td>45</td>
<td>2</td>
</tr>
<tr>
<td>REV 28BHR18</td>
<td>181.2</td>
<td>206.0</td>
<td>•</td>
<td>18.1</td>
<td>0.0</td>
<td>56</td>
<td>2</td>
</tr>
<tr>
<td>Mission A18575S</td>
<td>177.0</td>
<td>•</td>
<td>18.5</td>
<td>2.0</td>
<td>51</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Pioneer P2089VYHR</td>
<td>175.5</td>
<td>219.5</td>
<td>•</td>
<td>18.3</td>
<td>0.0</td>
<td>51</td>
<td>3</td>
</tr>
<tr>
<td>GRAND MEAN</td>
<td>202.4</td>
<td>•</td>
<td>18.5</td>
<td>0.2</td>
<td>49</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>LSD (5%)</td>
<td>20.0</td>
<td>•</td>
<td>0.6</td>
<td>0.9</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>C.V.</td>
<td>8.4</td>
<td>•</td>
<td>2.5</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

<sup>a</sup> Average yield for 2017 and 2018.

<sup>b</sup> Average yield for 2015, 2017, and 2018.

<sup>c</sup> Average number of plants broken below an ear at harvest.

<sup>d</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as “good” had husks reaching well-beyond the end of the ear and fit tightly. An “average” rating was given when husks reached to the tip of the ear and fit loosely. A “poor” rating was given when ears were open to the weather.
Participants and Entries  
2018 Grain Sorghum Tests

<table>
<thead>
<tr>
<th>Company</th>
<th>Hybrids</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chromatin, Inc.</strong></td>
<td>Sorghum Partners SP73B12</td>
</tr>
<tr>
<td>403 S. Monroe</td>
<td>Sorghum Partners SP7715</td>
</tr>
<tr>
<td>New Deal, TX 79350</td>
<td></td>
</tr>
<tr>
<td><strong>Crop Production Services</strong></td>
<td>Dyna-Gro GX17379</td>
</tr>
<tr>
<td>1673 N. US Hwy 61</td>
<td>Dyna-Gro GX17948</td>
</tr>
<tr>
<td>Portageville, MO 63873</td>
<td>Dyna-Gro GX17962</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro M60GB31</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro M69GB38</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro M69GR88</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro M71GR04</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro M73GR55</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro M74GB17</td>
</tr>
<tr>
<td><strong>Dupont Pioneer</strong></td>
<td>Pioneer P83G19</td>
</tr>
<tr>
<td>59 Greif Parkway, Suite 200</td>
<td>Pioneer P83P17</td>
</tr>
<tr>
<td>Delaware, OH 43015</td>
<td>Pioneer P84P80</td>
</tr>
<tr>
<td><strong>Monsanto Company</strong></td>
<td>DEKALB DKS 51-01</td>
</tr>
<tr>
<td>800 N. Lindbergh Blvd.</td>
<td>DEKALB DKS 53-53</td>
</tr>
<tr>
<td>St. Louis, MO 63167</td>
<td></td>
</tr>
<tr>
<td><strong>Terral Seed, Inc.</strong></td>
<td>REV 9562</td>
</tr>
<tr>
<td>P. O. Box 826</td>
<td>REV 9782</td>
</tr>
<tr>
<td>Lake Providence, LA 71254</td>
<td>REV 9924</td>
</tr>
</tbody>
</table>
## Participants and Entries
### 2018 Corn Tests

<table>
<thead>
<tr>
<th>Company</th>
<th>Hybrids</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AgriGold Hybrids</strong></td>
<td>AgriGold A645-10VT2RIB</td>
</tr>
<tr>
<td>5381 Akin Rd</td>
<td>AgriGold A647-90VT2RIB</td>
</tr>
<tr>
<td>St. Francisville, IL 62460</td>
<td>AgriGold A6544VT2RIB</td>
</tr>
<tr>
<td></td>
<td>AgriGold A6572VT2RIB</td>
</tr>
<tr>
<td></td>
<td>AgriGold A6659VT2RIB</td>
</tr>
<tr>
<td></td>
<td>AgriGold A6711VT2PRO</td>
</tr>
<tr>
<td><strong>Armor Seed</strong></td>
<td>Armor 0887</td>
</tr>
<tr>
<td>P.O. Box 178</td>
<td>Armor 1447</td>
</tr>
<tr>
<td>Fisher, AR 72429</td>
<td>Armor 1667</td>
</tr>
<tr>
<td></td>
<td>Armor 1887</td>
</tr>
<tr>
<td></td>
<td>Armor X8111</td>
</tr>
<tr>
<td></td>
<td>Armor X8113</td>
</tr>
<tr>
<td></td>
<td>Armor X8117</td>
</tr>
<tr>
<td></td>
<td>Armor X8118</td>
</tr>
<tr>
<td><strong>Augusta Seed Coop.</strong></td>
<td>Augusta A1367 3220GT</td>
</tr>
<tr>
<td>P.O. Box 899</td>
<td></td>
</tr>
<tr>
<td>Verona, VA 24482</td>
<td></td>
</tr>
<tr>
<td><strong>B-H Genetics</strong></td>
<td>BH 8721VT2P</td>
</tr>
<tr>
<td>5933 FM 1157</td>
<td>BH 8735VTTP</td>
</tr>
<tr>
<td>Ganado, TX 77962</td>
<td>BH 8737VT2P</td>
</tr>
<tr>
<td><strong>Crop Production Services</strong></td>
<td>Dyna-Gro CX17117</td>
</tr>
<tr>
<td>1673 N. US Hwy 61</td>
<td>Dyna-Gro D52VC63</td>
</tr>
<tr>
<td>Portageville, MO 63873</td>
<td>Dyna-Gro D54VC14</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro D57VP51</td>
</tr>
<tr>
<td></td>
<td>Dyna-Gro D58VC65</td>
</tr>
<tr>
<td><strong>Delta Grow Seed</strong></td>
<td>Delta Grow DG2888GTCBLLVIP</td>
</tr>
<tr>
<td>P.O. Box 219</td>
<td>Delta Grow DG3660GTCBLLVIP</td>
</tr>
<tr>
<td>England, AR 72046</td>
<td></td>
</tr>
</tbody>
</table>
## Participants and Entries
### 2018 Corn Tests, Continued

<table>
<thead>
<tr>
<th>Company</th>
<th>Hybrids</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dupont Pioneer</strong></td>
<td></td>
</tr>
<tr>
<td>59 Greif Parkway, Suite 200</td>
<td>Pioneer P1442YHR</td>
</tr>
<tr>
<td>Delaware, OH 43015</td>
<td>Pioneer P1847VYHR</td>
</tr>
<tr>
<td></td>
<td>Pioneer P1870YHR</td>
</tr>
<tr>
<td></td>
<td>Pioneer P2089VYHR</td>
</tr>
<tr>
<td><strong>Hefty Seed Co.</strong></td>
<td></td>
</tr>
<tr>
<td>47504 252nd St. Baltic, SD 57003</td>
<td>Hefty H6324 RIB</td>
</tr>
<tr>
<td></td>
<td>Hefty H6413 RIB</td>
</tr>
<tr>
<td></td>
<td>Hefty H6424 RIB</td>
</tr>
<tr>
<td></td>
<td>Hefty H6502 RIB</td>
</tr>
<tr>
<td></td>
<td>Hefty H6524 RIB</td>
</tr>
<tr>
<td><strong>Land O'Lakes - Winfield Solutions, LLC</strong></td>
<td></td>
</tr>
<tr>
<td>4990 County Road 583 Blytheville, AR 72315</td>
<td>Croplan 5678SS</td>
</tr>
<tr>
<td></td>
<td>Croplan 6027VT2</td>
</tr>
<tr>
<td><strong>LG Seeds Inc.</strong></td>
<td></td>
</tr>
<tr>
<td>22827 Shissler Rd. Elmwood, IL 61529</td>
<td>LG 5643VT2RIB</td>
</tr>
<tr>
<td></td>
<td>LG 5650VT2RIB</td>
</tr>
<tr>
<td></td>
<td>LG 5663VT2RIB</td>
</tr>
<tr>
<td><strong>Local Seed Co.</strong></td>
<td></td>
</tr>
<tr>
<td>802 Rozelle St. Memphis, TN 38104</td>
<td>Local AV8614VYHR</td>
</tr>
<tr>
<td></td>
<td>Local LC1577VT2P</td>
</tr>
<tr>
<td></td>
<td>Local LC1776VT2P</td>
</tr>
<tr>
<td></td>
<td>Local LC1878VT2P</td>
</tr>
<tr>
<td></td>
<td>Local LC1987VT2P</td>
</tr>
<tr>
<td></td>
<td>Local RL8430VYHR</td>
</tr>
<tr>
<td><strong>Mission Seed Solutions</strong></td>
<td></td>
</tr>
<tr>
<td>516 N. Sharpe Ave. Cleveland, MS 38732</td>
<td>Mission A1857SS</td>
</tr>
<tr>
<td></td>
<td>Mission Mex1308VT2P</td>
</tr>
<tr>
<td></td>
<td>Mission Mex1548DGVT2P</td>
</tr>
</tbody>
</table>
## Participants and Entries
### 2018 Corn Tests, Continued

<table>
<thead>
<tr>
<th>Company</th>
<th>Hybrids</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monsanto Company</strong></td>
<td>DEKALB DKC 62-53</td>
</tr>
<tr>
<td>800 N. Lindbergh Blvd.</td>
<td>DEKALB DKC 64-35</td>
</tr>
<tr>
<td>St. Louis, MO  63167</td>
<td>DEKALB DKC 65-95</td>
</tr>
<tr>
<td></td>
<td>DEKALB DKC 66-75</td>
</tr>
<tr>
<td></td>
<td>DEKALB DKC 67-44</td>
</tr>
<tr>
<td></td>
<td>DEKALB DKC 67-72</td>
</tr>
<tr>
<td></td>
<td>DEKALB DKC 68-26</td>
</tr>
<tr>
<td></td>
<td>DEKALB DKC 68-69</td>
</tr>
<tr>
<td></td>
<td>DEKALB DKC 70-27</td>
</tr>
<tr>
<td><strong>Pfister Seeds, LLC</strong></td>
<td>Pfister 71C1PCR</td>
</tr>
<tr>
<td>201 Knollwood Dr. Ste. A</td>
<td>Pfister 74D2PCR</td>
</tr>
<tr>
<td>Champaign, IL 61820</td>
<td>Pfister 75Y1PCR</td>
</tr>
<tr>
<td></td>
<td>Pfister 77C1SE</td>
</tr>
<tr>
<td><strong>Progeny Ag Products</strong></td>
<td>Progeny PGY 5115VT2P</td>
</tr>
<tr>
<td>1529 Highway 193</td>
<td>Progeny PGY 6116VT2P</td>
</tr>
<tr>
<td>Wynne, AR 72396</td>
<td>Progeny PGY 6119VT2P</td>
</tr>
<tr>
<td></td>
<td>Progeny PGY 8116SS</td>
</tr>
<tr>
<td></td>
<td>Progeny PGY EXP1814</td>
</tr>
<tr>
<td></td>
<td>Progeny PGY EXP1817</td>
</tr>
<tr>
<td><strong>Syngenta Seeds</strong></td>
<td>NK1573 3110</td>
</tr>
<tr>
<td>11055 Wayzata Blvd.</td>
<td>NK1694 3111</td>
</tr>
<tr>
<td>Minnetonka, MN 55305</td>
<td></td>
</tr>
<tr>
<td><strong>Terral Seed, Inc.</strong></td>
<td>REV 23BHR55</td>
</tr>
<tr>
<td>P. O. Box 826</td>
<td>REV 24BHR99</td>
</tr>
<tr>
<td>Lake Providence, LA 71254</td>
<td>REV 25BHR26</td>
</tr>
<tr>
<td></td>
<td>REV 25BHR89</td>
</tr>
<tr>
<td></td>
<td>REV 27BHR79</td>
</tr>
<tr>
<td></td>
<td>REV 28BHR18</td>
</tr>
</tbody>
</table>
# Corn Trait Package Information

<table>
<thead>
<tr>
<th>Trait Family</th>
<th>Product</th>
<th>(Above Ground)</th>
<th>(In Soil)</th>
<th>Herbicide Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agrisure</td>
<td>Agrisure 3010, 3010A</td>
<td>ECB SWCB ECB SWCB ECB FAW FB SWCB SWCB FB SWCB FB</td>
<td>GT LL</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Agrisure 3000GT, 3011A</td>
<td>ECB SWCB ECB SWCB ECB FAW FB SWCB SWCB FB SWCB FB</td>
<td>RW</td>
<td>GT LL</td>
</tr>
<tr>
<td></td>
<td>Agrisure Viptera 3110</td>
<td>BCW CEW ECB FAW FB SWCB TAW WBC</td>
<td>GT LL</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Agrisure Viptera 3111</td>
<td>BCW CEW ECB FAW FB SWCB TAW WBC</td>
<td>GT LL</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Agrisure 3122 E-Z Refuge</td>
<td>BCW ECB FAW FB SWCB TAW WBC</td>
<td>GT</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Agrisure Viptera 3220 E-Z Refuge</td>
<td>BCW CEW ECB FAW FB SWCB TAW WBC</td>
<td>GT</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Agrisure Duracade 5122 E-Z Refuge</td>
<td>BCW ECB FAW FB SWCB TAW WBC</td>
<td>GT</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Agrisure Duracade 5222 E-Z Refuge</td>
<td>BCW ECB FAW FB SWCB TAW WBC</td>
<td>GT</td>
<td>—</td>
</tr>
<tr>
<td>Herculex</td>
<td>Herculex 1 (HX1)</td>
<td>BCW ECB FAW FB SWCB WBC CEW</td>
<td>LL RR2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Herculex RW (HXRW)</td>
<td>BCW ECB FAW FB SWCB WBC CEW</td>
<td>LL RR2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Herculex XTRA (HXX)</td>
<td>BCW ECB FAW FB SWCB WBC CEW</td>
<td>LL RR2</td>
<td>—</td>
</tr>
<tr>
<td>Optimum</td>
<td>Intrasect (YHR)</td>
<td>BCW ECB FAW FB SWCB WBC CEW</td>
<td>LL RR2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>AcreMax (AM)</td>
<td>BCW ECB FAW FB SWCB WBC CEW</td>
<td>LL RR2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Leptra (VYHR)</td>
<td>BCW CEW ECB FAW FB SWCB TAW WBC</td>
<td>LL RR2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>AcreMax Leptra (AML)</td>
<td>BCW CEW ECB FAW FB SWCB TAW WBC</td>
<td>LL RR2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>AcreMax RW (AMRW)</td>
<td>BCW CEW ECB FAW FB SWCB TAW WBC</td>
<td>LL RR2</td>
<td>—</td>
</tr>
</tbody>
</table>

**Abreviations Used:**
- BCW: Black Cutworm
- CEW: Corn Earworm
- ECB: European Corn Borer
- FAW: Fall Armyworm
- RW: Corn Rootworm
- SB: Stalk Borer
- SWCB: Southern Corn Borer
- TAW: True Armyworm
- WBC: Western Bean Cutworm
- GT: Glyphosate Tolerant
- LL: Liberty Link
- RR2: Roundup Ready 2 Yield
- RIB: Refuge in Bag

**Insects Controlled or Suppressed:**
- ECB: European Corn Borer
- CEW: Corn Earworm
- ECB: European Corn Borer
- FAW: Fall Armyworm
- RW: Corn Rootworm
- SB: Stalk Borer
- SWCB: Southern Corn Borer
- TAW: True Armyworm
- WBC: Western Bean Cutworm

**Herbicide Tolerance:**
- GT: Glyphosate Tolerant
- LL: Liberty Link
- RR2: Roundup Ready 2 Yield
- RIB: Refuge in Bag
## Corn Trait Package Information, Continued

### Insects Controlled or Suppressed

<table>
<thead>
<tr>
<th>Trait Family</th>
<th>Product</th>
<th>(Above Ground)</th>
<th>(In Soil)</th>
<th>Herbicide Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Optimum, cont.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AcreMax1 (AM1)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>TRIsect (CHR)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>Intrasect TRIsect (CYHR)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>AcreMax TRIsect (AMT)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>Intrasect Xtra (YXR)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>AcreMax Xtra (AMX)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>Intrasect Xtreme (CYXR)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>AcreMax Xtreme (AMXT)</td>
<td>BCW ECB FAW SB SWCB WBC CEW</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td><strong>YieldGard/ Genuity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>YieldGard CB (YGCB)</td>
<td>ECB SWCB CEW FAW SB</td>
<td>—</td>
<td>RR2</td>
<td></td>
</tr>
<tr>
<td>YieldGard VT Rootworm</td>
<td>—</td>
<td>RW</td>
<td>RR2</td>
<td></td>
</tr>
<tr>
<td>YieldGard VT Triple</td>
<td>ECB SWCB CEW FAW SB</td>
<td>RW</td>
<td>RR2</td>
<td></td>
</tr>
<tr>
<td>Genuity VT Double PRO</td>
<td>CEW ECB FAW SB SWCB</td>
<td>—</td>
<td>RR2</td>
<td></td>
</tr>
<tr>
<td>Genuity VT Double PRO RIB Complete</td>
<td>CEW ECB FAW SB SWCB</td>
<td>—</td>
<td>RR2</td>
<td></td>
</tr>
<tr>
<td>Genuity VT Triple PRO</td>
<td>CEW ECB FAW SB SWCB</td>
<td>RW</td>
<td>RR2</td>
<td></td>
</tr>
<tr>
<td>Genuity VT Triple PRO RIB Complete</td>
<td>CEW ECB FAW SB SWCB</td>
<td>RW</td>
<td>RR2</td>
<td></td>
</tr>
<tr>
<td>Genuity VT SmartStax</td>
<td>BCW CEW ECB FAW SB SWCB WBC</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>Genuity VT SmartStax RIB Complete</td>
<td>BCW CEW ECB FAW SB SWCB WBC</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td><strong>Other Trait Families</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powercore</td>
<td>BCW CEW ECB FAW SB SWCB WBC</td>
<td>—</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>Powercore Refuge Advanced</td>
<td>BCW CEW ECB FAW SB SWCB WBC</td>
<td>—</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>SmartStax</td>
<td>BCW CEW ECB FAW SB SWCB WBC</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
<tr>
<td>SmartStax Refuge Advanced</td>
<td>BCW CEW ECB FAW SB SWCB WBC</td>
<td>RW</td>
<td>LL RR2</td>
<td></td>
</tr>
</tbody>
</table>
LMCRS - Lon Mann Cotton Research Station, Marianna, Arkansas
NEREC - Northeast Research and Extension Center, Keiser, Arkansas
RREC - Rice Research and Extension Center, Stuttgart, Arkansas
RRS - Rohwer Research Station, Rohwer, Arkansas
CORN TEST LOCATIONS

BFC - Bell Farming Company, Des Arc, Arkansas
LMCRS - Lon Mann Cotton Research Station, Marianna, Arkansas
NEREC - Northeast Research and Extension Center, Keiser, Arkansas
RREC - Rice Research and Extension Center, Stuttgart, Arkansas
RRS - Rohwer Research Station