# Gruver 2019 Grain Sorghum Performance Trial

<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Days to 50% Flower</th>
<th>Plant Height (in)</th>
<th>Head Ex (in)</th>
<th>Lodging (%)</th>
<th>Moisture (%)</th>
<th>Test Weight (lbs/bu)</th>
<th>Yield * (bu/acre)</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Mean</td>
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<td></td>
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<td>63</td>
<td>38</td>
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<td>9.7</td>
<td>51.7</td>
<td>45</td>
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<td></td>
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<td>C.V. %</td>
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<td></td>
<td></td>
<td>2.3</td>
<td>6.6</td>
<td>52.8</td>
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<td>20.2</td>
<td>5.6</td>
<td>23.6</td>
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<tr>
<td></td>
<td></td>
<td>P&gt;f (hybrid)</td>
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<td>0.101</td>
<td>0.251</td>
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<td></td>
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<td>L.S.D.</td>
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<td>3.5</td>
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### Agronomic information
- **Plant Date**: 6/11/2019
- **Harvest Date**: 10/17/2019
- **Irrigated**: Yes
- **Row Spacing (in)**: 30
- **Number of Rows**: 2
- **Seeds per Acre**: 60,000
- **N (lb/ac)**: 140
- **P2O5 (lb/ac)**: 0
- **K2O (lb/ac)**: 0
- **Precipitation (in)**: 23.25
- **Irrigation (in)**: 8

### Cooperator:
- **Dustin Borden**

*Four replications of each hybrid are planted in a randomized block design. Model: yield = hybrid + blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505*

### Trial Notes
- *Hybrid yield data will not be published due to a high variance of data across plots.*

### Soil Type
- Silty clay loam

### Tillage
- Strip-tilled in April

### Previous Crop
- Forage sorghum, grazed out

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.*