Monte Alto (Limited)  
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 * (lbs/acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Mean</td>
<td>C.V. %</td>
<td>P&gt;f (hybrid)</td>
<td>L.S.D.</td>
<td>4</td>
<td>45.6</td>
<td>2,620</td>
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<tr>
<td></td>
<td></td>
<td>73</td>
<td>1.0</td>
<td>0.000</td>
<td>1.4</td>
<td>26.7</td>
<td>46.4</td>
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<td>0.000</td>
<td>2.1</td>
<td>14.3</td>
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<td>3.6</td>
<td>55.6</td>
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</table>

### Agronomic information
- **Plant Date**: 3/3/2019
- **Harvest Date**: 7/10/2019
- **Irrigated**: Yes
- **Row Spacing (in)**: 30
- **Number of Rows**: 2
- **Seeds per Acre**: 55,000
- **N (lb/ac)**: 130
- **P2O5 (lb/ac)**: 55
- **K2O (lb/ac)**: 0
- **Precipitation (in)**: 18.18
- **Irrigation (in)**: 6
- **Herbicide**: 1.6 pt/ac Dual & 1.5 lb/ac Atrazine applied pre-emerge

### Soil Type
- **Clay loam**

### Tillage
- Conventional; cultivated on 4/20

### Previous Crop
- Corn

### Cooperator:
- Texas AgriScience

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

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*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.

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