

College Station 2019 Grain Sorghum Performance Trial

Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
Texas A&M AgriLife Research	ATx2752xRTx2783	83	52	2	0	13.2	62.4	7,928
DEKALB	DKS 54-07	82	55	3	0	13.2	62.3	7,860
Pioneer	84P80	77	52	3	0	13.3	61.9	7,762
Dyna-Gro	M68GB18	83	55	3	0	13.3	61.1	7,755
DEKALB	DKS 53-53	81	52	3	0	13.3	61.9	7,697
B-H Genetics	4100	79	49	5	0	13.3	61.9	7,612
DEKALB	DKS 38-16	77	54	5	0	13.2	62.4	7,537
Texas A&M AgriLife Research	ATx378xRTx430	79	57	4	0	13.1	60.5	7,531
Dyna-Gro	GX17457	79	49	2	0	13.3	61.9	7,388
DEKALB	DKS 46-60	81	51	6	0	13.0	62.0	7,378
Dyna-Gro	M69GR88	80	46	4	0	13.3	60.4	7,299
DEKALB	DKS 51-01	83	52	4	0	12.8	62.0	7,270
Golden Acres	4880R	80	52	4	0	13.3	62.5	7,257
Dyna-Gro	GX19981	81	49	1	0	13.3	62.6	7,226
Dyna-Gro	GX18991	82	51	2	0	13.1	62.6	7,081
Dyna-Gro	M60GB31	81	47	3	0	13.5	61.3	7,079
Dyna-Gro	GX17973	81	53	5	0	13.0	60.9	7,063
Dyna-Gro	GX18395	79	50	3	0	13.3	61.4	7,060
Gayland Ward	18057	79	49	6	0	13.4	60.3	7,047
Integra	G3665	81	48	2	0	12.6	60.8	6,957
REV	9782	80	50	3	0	13.0	62.2	6,879

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

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Dyna-Gro	M69GB38	81	52	5	0	13.1	62.0	6,857
Dyna-Gro	M62GB77	79	50	7	0	13.3	61.9	6,817
Integra	G3630	80	50	3	0	13.5	60.9	6,815
REV	9620	80	56	6	0	13.1	61.8	6,815
Dyna-Gro	M71GR04	83	53	2	0	13.4	62.6	6,782
Integra	G3670	79	54	4	0	13.3	60.6	6,705
Texas A&M AgriLife Research	ATx2752xRTx430	81	53	3	0	13.3	60.2	6,675
DEKALB	DKS 37-07	76	53	5	0	13.7	61.7	6,630
REV	9562	81	50	4	0	13.0	61.7	6,613
Dyna-Gro	M73GR55	89	53	2	0	13.2	60.2	6,431
Sorghum Partners	SP74M21	83	52	4	0	14.0	59.7	6,066
Alta Seeds	ADV G2275	81	50	5	0	14.0	60.7	5,852
Dyna-Gro	M74GB17	86	52	3	0	13.4	61.0	5,836
Alta Seeds	ADV G2106	77	49	6	0	13.1	62.0	5,672
Texas A&M AgriLife Research	ATx631xRTx436	88	54	5	0	13.3	60.9	5,489

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Agronomic information		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Mean</td> <td style="width: 15%;">81</td> <td style="width: 15%;">51</td> <td style="width: 15%;">4</td> <td style="width: 15%;">0.0</td> <td style="width: 15%;">13.3</td> <td style="width: 15%;">61.5</td> <td style="width: 15%;">6,965</td> </tr> <tr> <td>C.V. %</td> <td>2.5</td> <td>5.0</td> <td>46.0</td> <td></td> <td>2.2</td> <td>1.0</td> <td>9.7</td> </tr> <tr> <td>P>f (hybrid)</td> <td>0.000</td> <td>0.000</td> <td></td> <td></td> <td>0.000</td> <td>0.000</td> <td>0.000</td> </tr> <tr> <td>L.S.D.</td> <td>2.8</td> <td>3.6</td> <td></td> <td></td> <td>0.4</td> <td>0.9</td> <td>943.4</td> </tr> </table>							Mean	81	51	4	0.0	13.3	61.5	6,965	C.V. %	2.5	5.0	46.0		2.2	1.0	9.7	P>f (hybrid)	0.000	0.000			0.000	0.000	0.000	L.S.D.	2.8	3.6			0.4	0.9	943.4
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Previous Crop	Cotton																																							
Harvest Date	8/8/2019																																							
Irrigated	Yes																																							
Row Spacing (in)	30																																							
Number of Rows	2																																							
Seeds per Acre	80,000																																							
N (lb/ac)	150																																							
P2O5 (lb/ac)	56																																							
K2O (lb/ac)	0																																							
Precipitation (in)	30.1																																							
Irrigation (in)	0																																							
Herbicide	1.66 pt/ac Dual + 3 pt/ac Atrazine applied pre-emerge																																							
		<p>Cooperator: Texas A&M AgriLife Research</p> <p>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</p>																																						

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