

## Greenville 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)
Pioneer	84P80	87	46	4	0	12.8	61.0	5,751
Texas A&M AgriLife Research	ATx2752xRTx2783	92	50	5	0	12.7	61.0	5,610
B-H Genetics	4100	89	46	7	0	12.7	60.0	5,432
Dyna-Gro	M71GR04	91	51	5	0	13.2	59.3	5,400
Dyna-Gro	GX17457	89	46	4	0	11.5	58.7	5,320
DEKALB	DKS 46-60	87	50	8	0	12.7	60.4	5,273
REV	9620	88	53	9	0	12.7	60.0	5,224
Golden Acres	4880R	88	54	6	0	12.8	61.5	5,187
Dyna-Gro	M60GB88	83	45	5	0	12.2	59.8	5,101
DEKALB	DKS 51-01	88	54	7	0	12.6	60.1	5,094
REV	9562	87	46	6	0	12.5	59.5	5,030
DEKALB	DKS 54-07	89	53	7	0	12.4	60.3	4,919
DEKALB	DKS 37-07	84	47	7	0	12.8	61.1	4,913
REV	9782	86	45	5	0	12.9	60.0	4,889
Dyna-Gro	GX17973	88	51	6	0	12.3	60.0	4,850
Texas A&M AgriLife Research	ATx378xRTx430	90	55	6	0	12.2	59.1	4,750
Texas A&M AgriLife Research	ATx2752xRTx430	91	49	6	0	12.7	59.8	4,730
Dyna-Gro	M74GB17	90	51	7	0	12.5	59.8	4,682
DEKALB	DKS 38-16	84	50	7	0	12.5	59.2	4,571
Dyna-Gro	M69GR88	94	46	6	0	12.9	58.8	4,559
Sorghum Partners	SP74M21	88	48	7	0	13.0	58.3	4,540

\*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	M62GB77	87	51	8	0	12.8	61.2	4,526
Dyna-Gro	GX18991	89	52	6	0	12.3	60.8	4,362
Dyna-Gro	GX18395	85	49	6	0	12.7	60.5	4,287
Alta Seeds	ADV G2275	86	48	8	0	12.7	60.1	4,263
Dyna-Gro	GX19981	87	48	4	0	12.2	59.8	4,250
Gayland Ward	18057	89	47	7	0	11.8	57.6	4,248
Golden Acres	3020B	85	46	5	0	12.0	59.0	4,150
Dyna-Gro	M68GB18	93	53	5	0	12.4	59.6	4,150
Texas A&M AgriLife Research	ATx631xRTx436	92	55	6	0	12.7	60.5	4,139
Dyna-Gro	M69GB38	89	53	9	0	12.6	60.0	4,079
Dyna-Gro	M60GB31	90	46	6	0	12.4	59.2	4,003
DEKALB	DKS 53-53	90	51	7	0	12.2	58.5	3,948
Dyna-Gro	M73GR55	96	55	4	0	11.8	58.9	3,357
Alta Seeds	ADV G2106	86	42	5	0	12.1	59.4	3,264

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<b>Agronomic information</b>		Mean	88	49	6	0.0	12.5	59.8	4,653
Plant Date	3/28/2019	C.V. %	3.3	3.8	25.5		5.1	2.1	15.5
Harvest Date	8/21/2019	P>f (hybrid)	0.000	0.000			0.322	0.023	0.000
Irrigated	No	L.S.D.	4.1	2.7				1.9	1,086.8
Row Spacing (in)	30	<b>Trial Notes</b>							
Number of Rows	2								
Seeds per Acre	65,000								
N (lb/ac)	150								
P2O5 (lb/ac)	10	<p><b>Cooperator:</b> Texas A&amp;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 &lt; 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>							
K2O (lb/ac)	2								
Precipitation (in)	32.88								
Irrigation (in)		Soil Type	Clay						
Herbicide	Roundup & Atrazine at planting. Atrazine when plants 10".	Tillage	Disked & field cultivated						
		Previous Crop	Sorghum						

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