

## Monte Alto Full 2020 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)
Dyna-Gro	M71GR91	68	54	8	0	16.3	61.0	6,970
DEKALB	DKS 54-07	68	57	6	0	16.2	60.8	6,843
DEKALB	DKS 44-07	66	50	8	0	15.9	61.0	6,793
Dyna-Gro	M72GB71	68	53	9	0	15.8	60.6	6,754
DEKALB	DKS 46-60	66	53	11	0	15.9	60.1	6,550
Pioneer	83G19	66	51	9	0	16.4	58.9	6,381
DEKALB	DKS 45-60	65	53	11	0	15.7	60.8	6,249
Texas A&M AgriLife Research	ATx378xRTx430	65	56	12	0	15.2	57.5	6,075
Dyna-Gro	M69GB38	66	55	10	0	16.0	59.5	6,043
Dyna-Gro	M69GR88	65	45	10	0	15.4	58.3	6,042
Dyna-Gro	M60GB31	66	46	9	0	15.7	59.3	6,008
Gayland Ward	18036	66	56	12	0	16.6	59.8	6,004
DEKALB	DKS 36-07	64	50	12	0	15.2	58.7	5,964
Gayland Ward	18057	65	51	12	0	16.2	57.4	5,539
Dyna-Gro	M62GB77	64	51	11	0	15.5	59.6	5,386
Gayland Ward	19016	70	54	7	0	15.4	58.1	5,373
Alta Seeds	ADV G2275	69	47	9	0	17.4	58.9	5,328
Texas A&M AgriLife Research	ATx399xRTx430	64	50	11	0	14.7	55.9	5,291
Dyna-Gro	M74GB17	69	53	5	0	16.4	57.6	5,178
Gayland Ward	19017	69	56	9	0	15.9	56.6	4,094
Texas A&M AgriLife Research	ATx631xRTx436	71	53	5	0	16.7	56.6	3,017

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



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<b>Agronomic information</b>		Mean	66	52	9	0.0	15.9	58.9	5,804
Plant Date	2/24/2020	C.V. %	1.7	6.8	14.6		2.2	1.2	9.1
Harvest Date	6/23/2020	P>f (hybrid)	0.000	0.000	0.000		0.000	0.000	0.000
Irrigated	Yes	L.S.D.	1.6	5.0	1.9		0.5	1.0	744.8
Row Spacing (in)	30	<b>Trial Notes</b>							
Number of Rows	2	*Test was pre-watered in early February							
Seeds per Acre	80,000	*Irrigated 4/14/20							
Precipitation (in)	7.41	* Mehlich 3 by ICP, soiltesting.tamu.edu							
Irrigation (in)		** Samples collected at planting, some locations may have applied fertilizer							
Herbicide	1.66 pt/ac Dual + 1.5 lb/ac Atrazine at planting	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>					
Soil Type	Clay loam	N (lb/ac)	157	NO3-N (ppm)		pH			
Tillage	Conventional	P2O5 (lb/ac)	56	P (ppm)*		Conductivity (umho/cm)			
Previous Crop	Cotton	K2O (lb/ac)	0	K (ppm)*		Ca (ppm)*			
		S (lb/ac)		S (ppm)*		Mg (ppm)*			
		Zn (lb/ac)				Na (ppm)*			

**Cooperator:** Texas AgriScience

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  
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979-845-2935 / 979-845-8505

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