

# Monte Alto (Limited Irrigated)

## 2017 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)
REV	9924	65	51	5	N/A	13.8		7,561
DEKALB	DKS 38-16	66	52	8	N/A	14.2		7,439
DEKALB	DKS 51-01	66	51	7	N/A	14.1		7,067
Gayland Ward	9135	66	49	7	N/A	13.5		6,906
Dyna-Gro	GX17818	69	48	5	N/A	13.8		6,892
Alta Seeds	AG1203	61	42	5	N/A	13.4		6,839
Integra	G3630	63	43	5	N/A	13.2		6,820
Pioneer	84P80	65	49	5	N/A	13.7		6,801
DEKALB	DKS 53-53	66	48	6	N/A	13.7		6,741
Dyna-Gro	GX16833	64	51	6	N/A	13.7		6,638
Gayland Ward	9134	69	53	7	N/A	14.0		6,499
DEKALB	DKS 45-23	66	49	5	N/A	13.9		6,460
Texas A&M AgrLife Research	ATx2752xRTx430	61	49	8	N/A	14.0		6,371
Integra	G3670	61	43	7	N/A	13.8		6,296
REV	9782	64	47	5	N/A	13.7		6,273
Dyna-Gro	M60GB31	63	42	4	N/A	13.3		6,117
Dyna-Gro	M74GB17	67	51	7	N/A	13.9		6,098
B-H Genetics	4100	64	43	6	N/A	13.4		6,052
Sorghum Partners	SP73B12	66	49	6	N/A	14.9		6,040
Integra	G3701	65	50	6	N/A	14.1		6,021
Dyna-Gro	M73GR55	66	52	5	N/A	13.8		6,002

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



Department of Soil and Crop Sciences

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Golden Acres	X2610	61	51	9	N/A	14.2		5,967
Golden Acres	3960B	61	42	4	N/A	13.5		5,855
Dyna-Gro	GX16855	66	53	7	N/A	14.1		5,798
Texas A&M AgriLife Research	ATx378xRTx430	61	51	6	N/A	13.5		5,769
Texas A&M AgriLife Research	ATx2924xRTx2916	69	55	7	N/A	13.8		5,730
Gayland Ward	9139	66	43	10	N/A	13.5		5,722
Texas A&M AgriLife Research	ATx2923xRTx2913	68	51	7	N/A	14.0		5,648
REV	9562	63	47	6	N/A	13.2		5,631
Texas A&M AgriLife Research	ATx399xRTx430	61	47	8	N/A	13.6		5,613
Gayland Ward	9138	68	52	11	N/A	13.3		5,594
Texas A&M AgriLife Research	ATx645xRTx2916	66	52	7	N/A	14.0		5,485
Golden Acres	3545	65	46	6	N/A	13.9		5,443
DEKALB	DKS 37-07	64	46	7	N/A	14.3		4,626
Anzu Genetica	AG 4223	58	38	6	N/A	13.3		3,936
Gayland Ward	1160	68	34	4	N/A	12.4		2,983

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<b>Agronomic information</b>		Mean	65	48	6	13.7		6,048
Plant Date	2/14/2017	C.V. %	1.8	4.3	20.2	3.7		10.8
Harvest Date	6/29/2017	P>f (hybrid)	0.000	0.000		0.001		0.000
Irrigated	Yes	L.S.D.	1.7	2.9		0.7		957.1
Row Spacing (in)	30	<b>Trial Notes</b>						
Number of Rows	2	*Due to a malfunctioning test weight chamber, test weight readings were inaccurate and not reported. *Special thanks to Dr. Greta Schuster and Danielle Sekula for their assistance in taking flowering notes.						
Seeds per Acre	55,000	<b>Cooperator:</b> Rio Farms 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 Almaco meter units on a JD Max-Emerge II 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 ronschnell@tamu.edu 979-845-2935						
N (lb/ac)		Soil Type						
P2O5 (lb/ac)		Tillage						
K2O (lb/ac)		Previous Crop						
Precipitation (in)	10.25							
Irrigation (in)								
Herbicide								

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