

# Malone (Hill County) 2016 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)
Integra	G3670	N/A	50	8	N/A	11.0	60.0	3,841
DEKALB	DKS 38-16	N/A	55	8	N/A	11.4	61.3	3,837
DEKALB	DKS 45-23	N/A	54	8	N/A	11.3	61.0	3,731
NuTech	GS725	N/A	58	10	N/A	11.4	61.9	3,728
Texas A&M AgriLife Research	ATx2752xRTx430	N/A	53	7	N/A	11.0	60.3	3,705
NuTech	GS693	N/A	52	8	N/A	11.0	60.5	3,657
Chromatin	Chr0L0242	N/A	53	8	N/A	13.5	60.3	3,626
DEKALB	DKS 51-01	N/A	56	8	N/A	11.3	60.5	3,592
Texas A&M AgriLife Research	ATx378xRTx430	N/A	58	7	N/A	11.0	59.4	3,560
REV	9782	N/A	48	6	N/A	11.3	61.2	3,460
Chromatin	Chr0L0029	N/A	50	7	N/A	12.6	60.3	3,438
Alta Seeds	AG3201	N/A	51	9	N/A	12.1	61.1	3,392
Chromatin	Chr13GS0073	N/A	53	11	N/A	11.6	60.2	3,383
Alta Seeds	AG2105	N/A	53	9	N/A	11.0	60.0	3,343
REV	9562	N/A	52	8	N/A	11.1	61.0	3,327
Chromatin	Chr13GS0072	N/A	47	10	N/A	11.9	61.3	3,311
Sorghum Partners	SP68M57	N/A	48	9	N/A	11.9	60.8	3,285
Texas A&M AgriLife Research	ATx399xRTx430	N/A	49	8	N/A	11.1	60.2	3,249
Sorghum Partners	K73-J6	N/A	50	9	N/A	12.5	60.5	3,174
Integra	G3660	N/A	47	9	N/A	10.5	59.7	3,093
Integra	G3701	N/A	54	7	N/A	11.7	61.9	3,092
Alta Seeds	AG2103	N/A	47	8	N/A	11.5	61.2	3,080
Golden Acres	3970R	N/A	51	9	N/A	11.5	59.9	3,008
Alta Seeds	AG1203	N/A	46	7	N/A	12.2	60.9	2,915

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

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REV	9924	N/A	54	8	N/A	11.6	60.0	2,878
Sorghum Partners	SP70B17	N/A	52	8	N/A	11.7	60.9	2,744
NuTech	GS663	N/A	45	7	N/A	11.2	60.2	2,595
Chromatin	Chr13GS0039	N/A	39	9	N/A	11.4	60.3	2,540
Chromatin	Chr13GS0070	N/A	48	8	N/A	14.7	61.4	2,533
Chromatin	Chr0L0012	N/A	46	9	N/A	11.7	60.6	2,473
Golden Acres	3960B	N/A	46	8	N/A	12.8	61.0	2,454
Chromatin	Chr0L0163	N/A	42	5	N/A	11.6	61.5	2,324
Integra	G3630	N/A	44	7	N/A	12.5	61.8	2,259
NuTech	GS676	N/A	44	9	N/A	12.8	60.9	2,137

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<b>Agronomic information</b>		Mean	50	8		11.8	60.7	3,140
Plant Date	4/8/2016	C.V. %	3.4	17.1		4.8	1.5	14.7
Harvest Date	8/12/2016	P>f (hybrid)	0.000	0.000		0.000	0.011	0.000
Irrigated	No	L.S.D.	2.4	1.9		0.8	1.3	677.5
Row Spacing (in)	38	<b>Trial Notes</b>						
Number of Rows	2	*5 gal/A of 11-37-0 was applied in furrow at planting. 150 lb/A of anhydrous ammonia was applied in January. *Numerous rain events hampered early plant growth and development.						
Seeds per Acre	65,000	*Test block was not sprayed for aphids. *Flowering notes were not recorded.						
N (lb/ac)	129	Soil Type	Houston black clay					
P2O5 (lb/ac)	22	Tillage	Disced & field cultivated when anhydrous ammonia was applied					
K2O (lb/ac)	0	Previous Crop	Corn					
Precipitation (in)	29.76	<b>Cooperator:</b> Chad Radke 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: Dennis Pietsch croptest@tamu.edu 979-845-8505						
Irrigation (in)								
Herbicide	3 pt/A of Sequence at planting							

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