

## Monte Alto Limited 2023 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)
DEKALB	DKS 44-07	69	49	6	0	11.6	57.6	6,566
Integra	G3711	71	53	5	0	11.8	59.1	6,382
Dyna-Gro	GX22937	70	51	7	0	11.1	60.0	6,323
DEKALB	DKS 50-07	70	53	6	0	11.0	59.9	6,126
DEKALB	DKS 54-07	72	54	6	0	10.5	57.2	6,125
Golden Acres	4880R	72	54	6	0	11.5	58.4	6,120
Integra	G3665	68	49	7	0	11.0	55.4	5,963
Dyna-Gro	GX22932	70	51	7	0	12.2	58.9	5,950
Dyna-Gro	M71GR91	73	54	5	0	11.8	58.7	5,914
Dyna-Gro	GX22934	70	53	5	0	12.0	59.6	5,812
Dyna-Gro	M67GB87	68	51	6	0	10.9	58.4	5,589
Dyna-Gro	M72GB71	70	54	6	0	11.8	58.4	5,584
Integra	G3640	68	47	11	0	11.1	56.4	5,409
Scott Seed	S75A60	68	53	7	0	11.0	57.4	5,322
Golden Acres	3070R	71	50	3	0	11.5	57.7	5,194
Scott Seed	S75N495	74	53	2	0	12.2	59.5	5,148
DEKALB	DKS 45-60	69	55	11	0	11.1	56.7	5,121
Dyna-Gro	GX22936	67	48	11	0	10.5	58.3	5,029
Dyna-Gro	M60GB31	69	46	6	0	10.8	56.3	5,007
DEKALB	DKS 40-76	68	51	11	0	11.4	55.8	4,763
Dyna-Gro	M63GB78	67	48	9	0	11.8	57.8	4,644

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



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Soil & Crop Sciences

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Scott Seed	S78A30	68	52	6	0	10.7	56.6	4,614
Scott Seed	S75N75	68	56	6	0	11.3	56.6	4,057

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<b>Agronomic information</b>		Mean	69	51	7	0.0	57.8	5,511
Plant Date	2/22/2023	C.V. %	1.8	3.1	21.3	8.1	3.3	7.1
Harvest Date	6/22/2023	P>f (hybrid)	0.000	0.000		0.256	0.109	0.000
Irrigated	Yes	L.S.D.	1.8	2.3				554.2
Row Spacing (in)	30	<b>Trial Notes</b>						
Number of Rows	2	*Trial was pre-watered						
Target Seeds per Acre	55,000	Cooperator: Texas AgriScienc						
Precipitation (in)	10.58	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 planting date through the harvest date. For additional information contact:						
Irrigation (in)	0	Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505						
Herbicide	1.5 lb/ac Atrazine + 1.66 pt/ac S-Metolachlor	* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
Soil Type	Hidalgo sandy clay loam	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Tillage	Conventional	N (lb/ac)	70	NO3-N (ppm)		pH		
Previous Crop	Soybean	P2O5 (lb/ac)	30	P (ppm)*		Conductivity (umho/cm)		
		K2O (lb/ac)	0	K (ppm)*		Ca (ppm)*		
		S (lb/ac)	0	S (ppm)*		Mg (ppm)*		
		Zn (lb/ac)	0			Na (ppm)*		

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# Grain Sorghum

## Monte Alto Limited

### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 44-07	6,672	6,474
Nutrien Ag	Dyna-Gro	M71GR91	6,210	6,207
Bayer	DEKALB	DKS 54-07	6,187	6,241
Bayer	DEKALB	DKS 50-07	6,167	6,223
Wilbur-Ellis Company	Integra	G3711	6,086	6,080
Nutrien Ag	Dyna-Gro	GX22934	6,031	
Wilbur-Ellis Company	Integra	G3665	5,988	5,923
Nutrien Ag	Dyna-Gro	M72GB71	5,832	5,637
Nutrien Ag	Dyna-Gro	GX22932	5,791	
Scott Seed Company	Scott Seed	S75N495	5,638	
Scott Seed Company	Scott Seed	S75A60	5,612	
Nutrien Ag	Dyna-Gro	M67GB87	5,440	5,482
Scott Seed Company	Scott Seed	S78A30	5,158	
Nutrien Ag	Dyna-Gro	M63GB78	5,053	4,874
Nutrien Ag	Dyna-Gro	M60GB31	5,005	
Bayer	DEKALB	DKS 40-76	4,845	4,852
Scott Seed Company	Scott Seed	S75N75	4,516	

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.