

## Monte Alto Lim 2022 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	76	54	7	0	14.6	61.8	6,777
Dyna-Gro	M71GR91	78	56	2	0	14.7	61.9	6,506
Dyna-Gro	GX22934	79	52	2	0	14.4	62.2	6,251
DEKALB	DKS 54-07	80	54	3	0	14.5	60.8	6,249
DEKALB	DKS 50-07	77	56	5	0	14.5	62.1	6,208
Scott Seed	S75N495	80	57	2	0	14.6	62.0	6,129
Dyna-Gro	M72GB71	77	51	3	0	14.5	59.2	6,079
Integra	G3665	75	52	8	0	14.0	58.2	6,013
Scott Seed	S75A60	81	54	1	0	15.0	62.7	5,901
Integra	G3711	79	57	5	0	14.9	63.0	5,791
Scott Seed	S78A30	80	51	1	0	14.7	62.6	5,702
Dyna-Gro	GX21965	78	49	2	0	14.1	60.9	5,662
Dyna-Gro	GX22932	77	51	3	0	14.6	61.6	5,632
Dyna-Gro	M63GB78	75	50	6	0	14.2	59.7	5,463
DEKALB	DKS 36-07	73	48	8	0	14.5	61.9	5,310
Dyna-Gro	M67GB87	77	48	4	0	13.8	58.9	5,292
Dyna-Gro	M60GB31	76	49	4	0	14.2	59.4	5,003
Scott Seed	S75N75	75	56	8	0	14.1	58.6	4,976
DEKALB	DKS 40-76	76	45	5	0	14.4	59.3	4,926
Dyna-Gro	M59GB94	72	49	10	0	14.1	58.9	4,407

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



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### Agronomic information

Plant Date	2/23/2022
Harvest Date	6/25/2022
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	55,000
Precipitation (in)	9.2
Irrigation (in)	
Herbicide	
Pre-emerge: 2 oz/ac Sharpen + 14 oz/ac Outlook	
Soil Type	Hidalgo sandy clay loam
Tillage	Conventional, beds
Previous Crop	Cotton

Mean	77	52	4	0.0	14.4	60.8	5,714
C.V. %	1.1	7.3	38.6		2.2	3.0	8.6
P>f (hybrid)	0.000	0.000			0.000	0.001	0.000
L.S.D.	1.2	5.5			0.5	2.6	711.5

### Trial Notes


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:

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\* Mehlich 3 by ICP, soiltesting.tamu.edu  
\*\* Samples collected at planting, some locations may have applied fertilizer

Fertilizer Applied		Soil Analysis Report**	
N (lb/ac)	87	NO3-N (ppm)	25
P2O5 (lb/ac)	56	P (ppm)*	40
K2O (lb/ac)	0	K (ppm)*	526
S (lb/ac)	0	S (ppm)*	37
Zn (lb/ac)	0		
		pH	8.0
		Conductivity (umho/cm)	256
		Ca (ppm)*	5,202
		Mg (ppm)*	367
		Na (ppm)*	108

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