

## Monte Alto Limited 2021 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 54-07	70	51	6	0	14.4	59.0	6,348
DEKALB	DKS 50-07	68	47	6	0	13.6	59.4	6,334
Dyna-Gro	M71GR91	70	51	5	0	14.0	59.3	6,201
DEKALB	DKS 44-07	67	45	5	0	12.4	58.5	6,080
Integra	G3711	70	48	5	0	14.2	58.2	6,068
Golden Acres	4880R	70	51	6	0	14.0	59.0	5,916
Integra	G3665	66	43	5	0	11.8	55.7	5,794
Golden Acres	3180B	67	47	5	0	11.5	55.3	5,695
Dyna-Gro	M67GB87	67	47	5	0	12.2	55.5	5,565
Dyna-Gro	GX20970	69	48	7	0	13.9	56.1	5,530
Dyna-Gro	GX21965	67	44	4	0	12.7	57.7	5,410
Dyna-Gro	M72GB71	68	44	5	0	12.8	58.2	5,246
DEKALB	DKS 36-07	63	43	7	0	11.7	57.0	5,202
DEKALB	DKS 45-60	68	44	7	0	13.9	58.7	5,079
Dyna-Gro	GX20998	65	43	6	0	12.2	58.2	4,984
DEKALB	DKS 40-76	65	42	6	0	12.6	57.8	4,865
Alta Seeds	ADV G2275	69	46	7	0	17.6	56.6	4,803
Texas A&M AgriLife Research	ATx631xRTx436	68	50	7	0	11.3	56.7	4,788
Dyna-Gro	M63GB78	66	46	7	0	11.8	55.5	4,515

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



# Monte Alto Limited 2021 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)
<b>Agronomic information</b>		Mean	67	46	6	0.0	13.1	57.5
Plant Date	3/4/2021	C.V. %	1.3	5.5	19.8		4.2	1.1
Harvest Date	7/4/2021	P>f (hybrid)	0.000	0.000	0.000		0.000	0.000
Irrigated	Yes	L.S.D.	1.2	3.6	1.6		0.8	0.9
Row Spacing (in)	30							474.3
Number of Rows	2	<b>Trial Notes</b>						
Seeds per Acre	60,000	<p><b>Cooperator:</b> Texas AgriScience</p> <p>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 &lt; 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:</p> <p>Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>						
Precipitation (in)	13.8							
Irrigation (in)	6	<p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>						
Herbicide	3/11: Atrazine + Dual	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Soil Type	Mercedes clay	N (lb/ac)	94	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)	0	S (ppm)*		Mg (ppm)*		
		Zn (lb/ac)	0			Na (ppm)*		

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