TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Monte Alto Limited
2020 Grain Sorghum
Performance Trial

TEXAS A&M AGRILIFE

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	66	39	1	0	14.9	60.1	4,127
Integra	G3665	66	40	2	0	13.8	57.3	4,016
DEKALB	DKS 45-60	65	42	2	0	14.6	61.1	4,006
Golden Acres	3020B	66	39	1	0	14.4	58.9	3,761
DEKALB	DKS 46-60	67	40	2	0	14.8	59.2	3,726
Integra	G3711	68	41	1	0	14.8	60.7	3,623
Golden Acres	4880R	68	40	1	0	14.8	60.4	3,614
DEKALB	DKS 54-07	67	40	1	0	14.8	59.5	3,610
Dyna-Gro	M69GB38	66	42	3	0	14.7	59.4	3,535
Dyna-Gro	M72GB71	68	41	1	0	14.8	60.0	3,453
Pioneer	83G19	65	41	2	0	14.7	57.6	3,432
Dyna-Gro	M71GR91	69	41	1	0	15.3	59.6	3,428
Gayland Ward	18036	67	48	3	0	15.1	58.5	3,365
Integra	G3630	65	41	1	0	13.9	54.4	3,316
Dyna-Gro	M69GR88	66	39	2	0	14.3	54.8	3,283
Alta Seeds	ADV G2275	68	37	2	0	16.0	58.1	3,179
Dyna-Gro	M62GB77	64	41	3	0	14.5	59.3	3,118
Dyna-Gro	M60GB31	66	40	2	0	14.2	56.8	3,095
DEKALB	DKS 36-07	64	40	3	0	13.6	55.1	2,962
Integra	G3620	64	42	3	0	14.0	57.9	2,898
Gayland Ward	18057	64	42	3	0	14.8	54.4	2,867

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

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Texas A&M AgriLife Research	ATx378xRTx430	64	44	2	0	13.6	52.5	2,725
Dyna-Gro	M74GB17	69	39	1	0	14.8	57.3	2,661
Gayland Ward	19016	69	44	2	0	13.9	55.9	2,635
Texas A&M AgriLife Research	ATx399xRTx430	64	38	2	0	12.9	52.0	2,612
Gayland Ward	19017	69	43	2	0	14.9	54.4	1,893
Texas A&M AgriLife Research	ATx631xRTx436	68	44	1	0	14.4	57.2	1,887

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Mean		66	41	2	0.0	14.5	57.5	3,216
C.V. %		1.6	3.8	26.9		2.6	1.7	13.9
P>f (hybrid)		0.000	0.000			0.000	0.000	0.000
L.S.D.		1.4	2.2			0.5	1.4	627.7

Agronomic information

Plant Date	2/24/2020
Harvest Date	6/24/2020
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	55,000
Precipitation (in)	7.41
Irrigation (in)	

Herbicide

1.66 pt/ac Dual + 1.5 lb/ac Atrazine at planting

Soil Type	Clay loam
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

*Test was pre-watered in early February

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

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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979-845-2935 / 979-845-8505

Fertilizer Applied

N (lb/ac)	97
P2O5 (lb/ac)	56
K2O (lb/ac)	0
S (lb/ac)	
Zn (lb/ac)	

Soil Analysis Report**

NO3-N (ppm)		pH	
P (ppm)*		Conductivity (umho/cm)	
K (ppm)*		Ca (ppm)*	
S (ppm)*		Mg (ppm)*	
		Na (ppm)*	

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