TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Greenville
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)
Golden Acres	4880R	73	51	4	0	14.8	60.1	7,063
Dyna-Gro	M72GB71	75	50	6	0	14.7	59.6	6,808
Dyna-Gro	M71GR91	74	51	5	0	14.8	60.7	6,728
Pioneer	83G19	72	48	4	0	13.3	58.8	6,561
Dyna-Gro	GX19981	75	48	4	0	15.5	60.1	6,477
DEKALB	DKS 44-07	71	49	4	0	14.5	60.8	6,459
DEKALB	DKS 46-60	74	49	9	0	13.9	59.9	6,365
Dyna-Gro	M60GB31	73	46	5	0	14.7	59.4	6,344
DEKALB	DKS 36-07	67	48	7	0	14.7	59.4	6,311
Dyna-Gro	M74GB17	75	49	5	0	14.6	58.0	6,275
Dyna-Gro	M69GR88	75	46	5	0	14.2	57.6	6,212
Dyna-Gro	M62GB77	69	49	7	0	13.9	59.9	6,203
Golden Acres	3020B	72	46	5	0	14.1	58.0	6,106
DEKALB	DKS 54-07	76	51	5	0	14.6	60.0	6,096
Dyna-Gro	M69GB38	75	49	6	0	14.6	59.5	5,972
DEKALB	DKS 45-60	74	49	8	0	14.9	60.3	5,889
Alta Seeds	ADV G2275	73	47	7	0	16.6	59.2	5,873
Texas A&M AgriLife Research	ATx378xRTx430	74	51	6	0	14.3	56.5	5,834
Texas A&M AgriLife Research	ATx399xRTx430	73	42	5	0	13.4	57.0	5,466
Texas A&M AgriLife Research	ATx631xRTx436	77	50	3	0			

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

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	Mean	73	48	5	0.0	14.5	59.2	6,265
	C.V. %	2.5	3.2	22.9		5.8	1.6	13.9
	P>f (hybrid)	0.000	0.000			0.001	0.000	0.734
	L.S.D.	2.7	2.2			1.2	1.4	

Agronomic information

Plant Date	4/15/2020
Harvest Date	8/25/2020
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	65,000
Precipitation (in)	31.3
Irrigation (in)	

Herbicide

4/17/20: 1 qt/ac Roundup + 1 qt/ac Atrazine + 1.5 pt/ac Dual II Magnum

Soil Type	Clay
Tillage	Conventional
Previous Crop	Corn

Trial Notes

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

Cooperator: Texas A&M AgriLife

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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Fertilizer Applied

N (lb/ac)	
P2O5 (lb/ac)	
K2O (lb/ac)	
S (lb/ac)	
Zn (lb/ac)	

Soil Analysis Report**

NO3-N (ppm)	26	pH	6.5
P (ppm)*	22	Conductivity (umho/cm)	251
K (ppm)*	522	Ca (ppm)*	8,027
S (ppm)*	9	Mg (ppm)*	375
		Na (ppm)*	72

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