TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Thrall
2020 Grain Sorghum
Performance Trial

TEXAS A&M AGRILIFE

Brand	Hybrid	Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # per Plant	Lodging (%)	Head Size lb/head	Midge Damage (%)	Iron Chlorosis Rating
Texas A&M AgriLife Research	ATx378xRTx430		6,970	73	0.00	80.0	0.31		
Texas A&M AgriLife Research	ATx399xRTx430	42,689	44,649	66	0.07	21.3	0.07		
Texas A&M AgriLife Research	ATx631xRTx436	11,108	21,562	17	1.11	0.0	0.11		
Pioneer	83G19	47,480	52,054	73	0.10	2.5	0.09		
Integra	G3620		50,312	82	0.02	6.3	0.10		
Integra	G3630	45,520	50,965	70	0.12	0.0	0.10		
Integra	G3665	51,183	62,726	79	0.23	0.0	0.09		
Integra	G3711	39,857	47,916	61	0.21	0.0	0.10		
Golden Acres	3020B	47,263	50,965	73	0.15	0.0	0.13		
Golden Acres	3180B	50,965	65,558	78	0.29	0.0	0.10		
Gayland Ward	18057	47,916	59,895	74	0.27	0.0	0.08		
Dyna-Gro	GX19981	43,124	54,014	66	0.26	0.0	0.10		
Dyna-Gro	M60GB31	43,124	51,401	66	0.19	0.0	0.09		
Dyna-Gro	M62GB77	46,391	50,312	71	0.13	6.3	0.10		
Dyna-Gro	M69GB38	32,888	47,698	51	0.47	6.3	0.10		
Dyna-Gro	M69GR88	49,658	52,925	76	0.09	0.0	0.11		
Dyna-Gro	M71GR91	47,916	58,153	74	0.21	0.0	0.11		
Dyna-Gro	M72GB71	47,916	52,925	74	0.11	0.0	0.10		
Dyna-Gro	M74GB17	35,501	41,164	55	0.17	15.0	0.10		
DEKALB	DKS 36-07	46,827	53,579	72	0.15	0.0	0.10		
DEKALB	DKS 44-07	45,738	58,588	70	0.28	0.0	0.10		

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DEKALB	DKS 45-60	48,569	54,014	75	0.11	0.0	0.12		
DEKALB	DKS 46-60	54,014	59,895	83	0.11	0.0	0.11		
DEKALB	DKS 54-07	39,204	50,965	60	0.32	0.0	0.10		
Alta Seeds	ADV G2275	45,085	53,797	69	0.20	0.0	0.10		

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Mean		44,440	50,120	68	0.21	5.5	0.11		

Agronomic information

Plant Date	3/12/2020
Harvest Date	7/22/2020
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	65,000
Precipitation (in)	16.7
Irrigation (in)	

Herbicide

1 qt/ac atrazine, 1.33 pt/ac Dual + 1 qt/ac Roundup at planting. 14 oz/ac Outlook + 1 qt /ac Roundup applied post with hoods.

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: Stiles Farm Foundation

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)	150
P2O5 (lb/ac)	35
K2O (lb/ac)	60
S (lb/ac)	20
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	2	pH	5.4
P (ppm)*	25	Conductivity (umho/cm)	74
K (ppm)*	73	Ca (ppm)*	3,825
S (ppm)*	6	Mg (ppm)*	474
		Na (ppm)*	38