

Greenville

2020 Grain Sorghum Performance Trial

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	45,956	55,539	71	0.23	0.0	0.11		
Texas A&M AgriLife Research	ATx399xRTx430	52,925	53,797	81	0.05	0.0	0.10		
Texas A&M AgriLife Research	ATx631xRTx436	11,108	17,424	17	0.64	0.0			
Pioneer	83G19	49,658	51,836	76	0.08	0.0	0.13		
Golden Acres	3020B	49,223	55,975	76	0.16	0.0	0.11		
Golden Acres	4880R	47,045	54,450	72	0.16	0.0	0.13		
Dyna-Gro	GX19981	48,787	54,668	75	0.15	0.0	0.12		
Dyna-Gro	M60GB31	48,569	50,094	75	0.03	0.0	0.13		
Dyna-Gro	M62GB77	44,431	55,539	68	0.26	0.0	0.11		
Dyna-Gro	M69GB38	37,026	43,996	57	0.22	0.0	0.14		
Dyna-Gro	M69GR88	49,005	55,757	75	0.14	0.0	0.11		
Dyna-Gro	M71GR91	49,658	52,054	76	0.10	0.0	0.13		
Dyna-Gro	M72GB71	51,619	54,886	79	0.09	0.0	0.12		
Dyna-Gro	M74GB17	42,035	46,174	65	0.10	0.0	0.14		
DEKALB	DKS 36-07	50,747	56,846	78	0.13	0.0	0.11		
DEKALB	DKS 44-07	49,876	54,232	77	0.09	0.0	0.12		
DEKALB	DKS 45-60	49,223	52,925	76	0.08	0.0	0.11		
DEKALB	DKS 46-60	50,747	58,153	78	0.16	0.0	0.11		
DEKALB	DKS 54-07	46,609	53,579	72	0.15	0.0	0.11		
Alta Seeds	ADV G2275	45,085	53,579	69	0.20	0.0	0.11		



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Mean	45,967	51,575	71	0.16	0.0	0.12		
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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

Trial Notes

Cooperator:	Texas A&M AgriLife
<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 < 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>	

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

Soil Type	Clay
Tillage	Conventional
Previous Crop	Corn

Fertilizer Applied		Soil Analysis Report**	
N (lb/ac)	150	NO3-N (ppm)	26
P2O5 (lb/ac)		P (ppm)*	22
K2O (lb/ac)		K (ppm)*	522
S (lb/ac)		S (ppm)*	9
Zn (lb/ac)		pH	6.5
		Conductivity (umho/cm)	251
		Ca (ppm)*	8,027
		Mg (ppm)*	375
		Na (ppm)*	72