TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Damon
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	43,288	53,252	67	0.24	0.0	0.13		
Texas A&M AgriLife Research	ATx399xRTx430	37,571	52,599	58	0.43	0.0	0.12		
Texas A&M AgriLife Research	ATx631xRTx436	12,578	33,977	19	1.73	0.0	0.14		
Pioneer	82P83	44,105	50,312	68	0.19	0.0	0.16		
Pioneer	83G19	43,778	51,945	67	0.19	0.0	0.15		
Pioneer	83P11	47,208	55,212	73	0.17	0.0	0.13		
Pioneer	83P27	43,614	57,173	67	0.33	0.0	0.13		
Golden Acres	3020B	45,411	51,129	70	0.15	0.0	0.12		
Golden Acres	4880R	40,184	50,639	62	0.29	0.0	0.15		
Dyna-Gro	GX19981	42,471	55,212	65	0.32	0.0	0.14		
Dyna-Gro	M60GB31	40,838	45,901	63	0.13	0.0	0.13		
Dyna-Gro	M62GB77	40,838	43,614	63	0.10	0.0	0.12		
Dyna-Gro	M69GB38	34,794	49,985	54	0.44	0.0	0.13		
Dyna-Gro	M69GR88	46,228	53,089	71	0.16	0.0	0.11		
Dyna-Gro	M71GR91	45,901	51,129	71	0.12	0.0	0.16		
Dyna-Gro	M72GB71	41,164	53,252	63	0.31	0.0	0.14		
Dyna-Gro	M74GB17	34,630	46,228	53	0.33	0.0	0.13		
DEKALB	DKS 36-07	43,124	52,272	66	0.27	0.0	0.12		
DEKALB	DKS 44-07	46,065	59,459	71	0.29	0.0	0.14		
DEKALB	DKS 45-60	46,555	52,925	72	0.14	0.0	0.14		
DEKALB	DKS 46-60	49,005	51,945	75	0.07	0.0	0.15		

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DEKALB	DKS 54-07	38,551	53,906	59	0.42	0.0	0.15		
Alta Seeds	ADV G2275	42,308	48,678	65	0.16	0.0	0.13		

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Mean		41,313	51,036	64	0.30	0.0	0.14		

Agronomic information

Plant Date	3/13/2020
Harvest Date	7/14/2020
Irrigated	No
Row Spacing (in)	40
Number of Rows	2
Seeds per Acre	65,000
Precipitation (in)	25.79
Irrigation (in)	
Herbicide	
Soil Type	Clay
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

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

Cooperator: Mikel Brothers

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)	15	pH	5.5
P (ppm)*	69	Conductivity (umho/cm)	229
K (ppm)*	217	Ca (ppm)*	3,958
S (ppm)*	11	Mg (ppm)*	980
		Na (ppm)*	32