

# Plainview

## 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	33,487	37,080	61	0.11	0.0	0.14		
Texas A&M AgriLife Research	ATx399xRTx430	30,873	50,475	56	0.66	0.0	0.12		
Texas A&M AgriLife Research	ATx631xRTx436	4,138	5,445	8	0.38	0.0	0.37		
Sorghum Partners	SP68M57	31,363	33,487	57	0.10	0.0	0.15		
Sorghum Partners	SP7715	31,853	41,001	58	0.30	0.0	0.13		
Sorghum Partners	SWG5011	31,200	41,001	57	0.33	0.0	0.13		
Pioneer	83G19	34,304	41,001	62	0.20	0.0	0.12		
Golden Acres	3020B	32,180	38,061	59	0.20	0.0	0.16		
Golden Acres	3180B	33,323	44,758	61	0.34	0.0	0.14		
Golden Acres	4880R	29,076	39,857	53	0.37	0.0	0.14		
Dyna-Gro	GX19981	33,977	36,264	62	0.12	0.0	0.15		
Dyna-Gro	M60GB31	31,363	38,224	57	0.23	0.0	0.14		
Dyna-Gro	M60GB88	31,527	37,897	57	0.21	0.0	0.11		
Dyna-Gro	M62GB77	32,017	37,407	58	0.18	0.0	0.12		
Dyna-Gro	M69GR88	34,467	41,654	63	0.24	0.0	0.14		
Dyna-Gro	M71GR91	30,056	38,877	55	0.31	0.0	0.14		
Dyna-Gro	M72GB71	31,037	43,451	56	0.40	0.0	0.16		
Dyna-Gro	M74GB17		25,156	50	0.09	0.0	0.17		
DEKALB	DKS 36-07	34,467	45,411	63	0.32	0.0	0.13		
DEKALB	DKS 44-07	35,447	40,674	64	0.19	0.0	0.16		
DEKALB	DKS 45-60	35,120	49,332	64	0.41	0.0	0.13		



TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

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DEKALB	DKS 46-60	35,774	45,738	65	0.29	0.0	0.13		
DEKALB	DKS 54-07	30,873	44,268	56	0.46	0.0	0.16		
Alta Seeds	ADV G2275	34,304	38,224	62	0.11	0.0	0.14		



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Mean	31,243	38,948	57	0.27	0.0	0.15		
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Agronomic information	
Plant Date	5/29/2020
Harvest Date	10/13/2020
Irrigated	No
Row Spacing (in)	40
Number of Rows	2
Seeds per Acre	55,000
Precipitation (in)	8.54
Irrigation (in)	
Herbicide	
Sprayed twice: 1.25 lb/ac Atrazine + 6 oz/ac Engenia.  0.66 pt/ac Starane.	
Soil Type	Clay loam
Tillage	Conventional
Previous Crop	Grain sorghum

Trial Notes
*Test irrigated 3 times

**Cooperator:** Don Macha

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

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)	100	NO3-N (ppm)	71	pH	7.0
P2O5 (lb/ac)	30	P (ppm)*	84	Conductivity (umho/cm)	448
K2O (lb/ac)	0	K (ppm)*	814	Ca (ppm)*	1,989
S (lb/ac)	15	S (ppm)*	23	Mg (ppm)*	715
Zn (lb/ac)	0			Na (ppm)*	24