

## Plainview 2020 Grain Sorghum Performance Trial

Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
DEKALB	DKS 54-07	67	49	2	0	15.1	59.7	6,971
Dyna-Gro	M72GB71	61	49	3	0	13.7	59.0	6,756
DEKALB	DKS 45-60	56	45	5	0	14.3	60.0	6,314
DEKALB	DKS 44-07	57	45	4	0	13.7	58.5	6,311
Golden Acres	3180B	56	44	2	0	13.2	56.9	6,169
Texas A&M AgriLife Research	ATx399xRTx430	60	43	3	0	13.5	56.8	6,083
DEKALB	DKS 36-07	54	44	4	0	14.6	58.5	5,937
Golden Acres	3020B	55	46	4	0	13.9	57.7	5,910
DEKALB	DKS 46-60	57	47	6	0	14.5	57.9	5,813
Dyna-Gro	M69GR88	67	44	2	0	15.7	58.8	5,764
Golden Acres	4880R	67	49	2	0	15.4	59.1	5,690
Dyna-Gro	M60GB31	54	46	3	0	15.6	57.9	5,518
Dyna-Gro	GX19981	60	43	1	0	15.6	59.9	5,508
Sorghum Partners	SP7715	69	52	5	0	16.9	59.1	5,458
Dyna-Gro	M71GR91	66	50	1	0	15.0	60.5	5,419
Alta Seeds	ADV G2275	64	45	4	0	17.5	57.9	5,333
Texas A&M AgriLife Research	ATx378xRTx430	56	48	3	0	14.0	57.6	5,237
Sorghum Partners	SWG55011	69	52	3	0	15.8	56.5	5,204
Pioneer	83G19	69	49	3	0	15.4	56.7	4,964
Sorghum Partners	SP68M57	54	41	4	0	15.1	58.5	4,887
Dyna-Gro	M62GB77	56	45	4	0	13.3	59.5	4,619

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

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Dyna-Gro	M74GB17	67	46	1	0	17.0	57.1	4,351
Dyna-Gro	M60GB88	54	42	4	0	14.0	58.1	4,323
Texas A&M AgriLife Research	ATx631xRTx436	68	50	1	0	16.6	57.0	1,640

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<b>Agronomic information</b>		Mean	61	46	3	0.0	58.3	5,424
Plant Date	5/29/2020	C.V. %	3.6	4.1	33.3	7.0	2.3	13.5
Harvest Date	10/13/2020	P>f (hybrid)	0.000	0.000		0.000	0.000	0.000
Irrigated	No	L.S.D.	3.6	2.7		1.5	1.9	1,046.0
Row Spacing (in)	40	<b>Trial Notes</b>						
Number of Rows	2	*Test irrigated 3 times						
Seeds per Acre	55,000	Cooperator: Don Macha						
Precipitation (in)	8.54	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:						
Irrigation (in)		Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505						
Herbicide		* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
Sprayed twice: 1.25 lb/ac Atrazine + 6 oz/ac Engenia. 0.66 pt/ac Starane.		<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Soil Type	Clay loam	N (lb/ac)	100	NO3-N (ppm)	71	pH	7.0	
Tillage	Conventional	P2O5 (lb/ac)	30	P (ppm)*	84	Conductivity (umho/cm)	448	
Previous Crop	Grain sorghum	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	

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