

## Gregory 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)
Dyna-Gro	M71GR91	N/A	45	4	0	15.3	59.0	6,609
DEKALB	DKS 44-07	N/A	43	4	0	15.4	58.4	6,465
DEKALB	DKS 54-07	N/A	45	4	0	15.4	58.4	6,178
Pioneer	82P83	N/A	44	4	0	15.0	57.5	6,174
Pioneer	83P11	N/A	44	5	0	15.2	57.5	6,146
Pioneer	83P27	N/A	47	5	0	15.1	58.0	6,138
Dyna-Gro	M72GB71	N/A	46	3	0	15.6	57.9	6,079
Dyna-Gro	GX19981	N/A	41	2	0	15.7	58.3	6,065
DEKALB	DKS 46-60	N/A	46	7	0	15.4	59.2	5,946
Integra	G3665	N/A	44	6	0	14.1	55.6	5,865
Integra	G3711	N/A	44	4	0	15.6	58.6	5,798
DEKALB	DKS 36-07	N/A	44	8	0	14.9	57.6	5,764
Dyna-Gro	M60GB31	N/A	42	4	0	15.0	58.6	5,754
Pioneer	83G19	N/A	46	5	0	15.0	57.7	5,704
DEKALB	DKS 45-60	N/A	48	7	0	15.6	58.9	5,584
Dyna-Gro	M62GB77	N/A	45	6	0	15.3	58.7	5,555
Alta Seeds	ADV G2275	N/A	43	5	0	15.1	57.4	5,367
Texas A&M AgriLife Research	ATx378xRTx430	N/A	49	7	0	14.2	55.1	5,152
Integra	G3630	N/A	43	4	0	14.4	56.5	5,151
Dyna-Gro	M69GR88	N/A	43	5	0	15.2	57.0	4,832
Dyna-Gro	M74GB17	N/A	44	3	0	14.7	56.5	4,750

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



TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

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Gayland Ward	18057	N/A	45	7	0	15.0	56.5	4,712
Texas A&M AgriLife Research	ATx399xRTx430	N/A	43	7	0	14.4	55.8	4,544
Integra	G3620	N/A	45	9	0	15.1	57.6	4,410
Dyna-Gro	M69GB38	N/A	44	6	0	14.6	54.3	3,407
Texas A&M AgriLife Research	ATx631xRTx436	N/A	49	7	0	14.2	55.0	3,197

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<b>Agronomic information</b>		Mean	45	5	0.0	15.0	57.4	5,436
Plant Date	3/2/2020	C.V. %	3.8	24.5		0.0	1.4	10.8
Harvest Date	7/9/2020	P>f (hybrid)	0.000			0.000	0.000	0.000
Irrigated	No	L.S.D.	2.4			0.6	1.2	867.1
Row Spacing (in)	30	<b>Trial Notes</b>						
Number of Rows	2	<p>*Applied 1 oz/ac Transform for aphids</p>						
Seeds per Acre	60,000							
Precipitation (in)	15.18	<p><b>Cooperator:</b> Joel Hoskinson</p> <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 &lt; 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: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>						
Irrigation (in)								
Herbicide		<p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>						
13 oz/ac Outlook before planting								
Soil Type	Clay	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Tillage	Chisel 14" deep + 3 field cultivations in fall and spring	N (lb/ac)	100	NO3-N (ppm)	36	pH	7.9	
Previous Crop	Cotton	P2O5 (lb/ac)	20	P (ppm)*	15	Conductivity (umho/cm)	307	
		K2O (lb/ac)	0	K (ppm)*	331	Ca (ppm)*	11,133	
		S (lb/ac)		S (ppm)*	11	Mg (ppm)*	461	
		Zn (lb/ac)				Na (ppm)*	210	

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