

## Gregory 2018 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)
Pioneer	83P56	65	49	3	0	11.8	58.5	4,571
Pioneer	83P27	62	47	5	8	12.4	58.6	4,343
Alta Seeds	AG1203	65	43	3	10	11.7	58.9	4,250
Dyna-Gro	GX17962	66	45	5	5	11.5	59.2	3,954
Sorghum Partners	SP73B12	67	46	5	0	12.5	58.1	3,931
B-H Genetics	4100	65	44	4	8	11.8	57.2	3,925
DEKALB	DKS 45-23	66	47	2	8	11.8	60.1	3,741
Alta Seeds	ADV G2275	66	49	6	11	12.9	59.9	3,529
Dyna-Gro	GX17379	67	46	2	14	12.2	58.6	3,461
Dyna-Gro	M60GB31	64	44	3	16	11.6	57.3	3,454
Integra	G3630	64	43	3	20	11.6	55.7	3,324
DEKALB	DKS 53-53	67	44	4	10	12.0	56.5	3,315
USDA Lubbock	A.10004/R.LBK2	66	47	4	9	11.2	57.3	3,278
Gayland Ward	1160	64	48	8	10	13.1	56.2	3,130
Dyna-Gro	GX17227	67	48	3	15	12.9	59.0	3,073
Dyna-Gro	GX17968	66	48	6	23	12.7	58.5	3,038
DEKALB	DKS 37-07	63	46	6	10	12.7	59.0	3,002
DEKALB	DKS 51-01	67	49	4	15	11.5	57.1	2,974
Pioneer	83P73	65	46	5	34	11.7	57.6	2,795
Gold Source	GS7117	69	44	4	25	11.9	58.2	2,650
Dyna-Gro	GX17948	66	46	4	31	11.9	56.7	2,458

\*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	49	3	28	12.6	56.5	2,332
TAMU x KSU	17USCP100	65	47	2	18	11.7	53.8	2,266
TAMU x KSU	17USCP97	69	49	3	26	12.3	56.9	2,161
Alta Seeds	ADV G3247	69	46	5	30	12.9	49.9	2,128
Dyna-Gro	M73GR55	67	48	4	35	11.8	56.7	2,058
USDA Lubbock	A.OK11/R.LBK2	61	47	4	48	12.0	58.6	1,986
Texas A&M AgriLife Research	ATx645xRTx2783	67	50	3	29	12.8	58.5	1,979
KSU x TAMU	17USCP107	62	47	7	41	12.9	57.3	1,855
Integra	G3701	67	47	3	36	11.8	55.8	1,754
REV	9924	63	49	4	59	11.1	57.1	1,362
Gold Source	GS6717	64	45	6	58	10.5	54.1	1,292
Integra	G3670	64	48	5	68	10.5	52.5	1,231
DEKALB	DKS 38-16	65	48	5	76	10.5	59.4	1,201
Gold Source	GS7016	66	48	5	43	11.1		1,000
Texas A&M AgriLife Research	ATx2928xRTx436	63	47	6	81	10.9		805
Texas A&M AgriLife Research	ATx399xRTx430	61	44	7	74	10.6		733
Dyna-Gro	GX16833	66	48	5	79	11.7		721
REV	9782	64	45	5	75	11.1		690
REV	9562	64	47	4	85	10.6		678
USDA Lubbock	A.TX2752/R.LBK2	62	48	4	91	11.2		572
Gold Source	GS7215	66	52	6	68	11.9		451

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Department of Soil and Crop Sciences

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Texas A&M AgriLife Research	ATx378xRTx430	62	51	5	90	8.7		333

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<b>Agronomic information</b>		Mean	65	47	4	35.2	11.7	57.2	2,367
Plant Date	3/12/2018	C.V. %	1.4	4.3	40.5	60.6	10.7	4.6	28.4
Harvest Date	7/25/2018	P>f (hybrid)	0.000	0.000			0.003	0.003	0.000
Irrigated	No	L.S.D.	1.3	2.9			1.8	4.6	947.7
Row Spacing (in)	30	<b>Trial Notes</b>							
Number of Rows	2	2.35" of rain fell from planting through June 16. Following this period, 6" of rain fell in a single rain event. This contributed to severe lodging in some plots, resulting in greater variation of grain yield for some hybrids and a high CV.							
Seeds per Acre	60,000								
N (lb/ac)	100	<p><b>Cooperator:</b> <span style="border: 1px solid black; padding: 2px;">Joel Hoskinson</span></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 Almaco meter units on a JD Max-Emerge II 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>							
P2O5 (lb/ac)	20								
K2O (lb/ac)	0								
Precipitation (in)	12.02								
Irrigation (in)									
Herbicide	1.75lb/ac Atrex	Soil Type	Victoria Clay						
		Tillage	Chiseled, field cultivated 4 times						
		Previous Crop	Cotton						

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