

Damon

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)
REV	9924	69	61	4	0	13.7		8,238
Dyna-Gro	GX17968	69	60	8	0	12.9		7,818
REV	9782	68	57	5	0	13.6		7,658
Dyna-Gro	GX16833	71	60	5	4	13.0		7,631
DEKALB	DKS 53-53	71	60	6	0	13.8		7,612
Dyna-Gro	GX17227	73	61	6	0	14.4		7,566
DEKALB	DKS 51-01	70	61	8	0	14.8		7,563
Integra	G3701	72	60	3	0	14.0		7,526
REV	9562	69	57	6	0	12.1		7,319
DEKALB	DKS 38-16	69	55	5	0	13.4		7,238
Dyna-Gro	GX17962	69	53	3	0	14.1		7,115
Alta Seeds	ADV G3247	69	57	6	0	11.6		7,000
Golden Acres	3020B	69	54	5	0	13.4		6,903
Integra	G3670	70	55	4	0	13.0		6,860
Texas A&M AgriLife Research	ATx378xRTx430	67	64	7	0	13.0		6,860
Dyna-Gro	M73GR55	73	57	4	0	13.0		6,713
Dyna-Gro	GX17948	70	57	7	0	13.9		6,492
Texas A&M AgriLife Research	ATx645xRTx2783	69	59	7	0	13.8		6,412
Alta Seeds	ADV G2275	69	57	7	0	14.8		6,358
Texas A&M AgriLife Research	ATx399xRTx430	68	56	7	0	12.2		6,245
Dyna-Gro	M74GB17	71	57	4	0	14.8		6,136

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

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TAMU x KSU	17USCP66	71	57	5	0	12.9		6,126
DEKALB	DKS 45-23	69	59	6	0	14.2		6,095
Golden Acres	2840B	65	55	5	5	16.1		6,067
Dyna-Gro	M60GB31	67	50	5	0	13.4		6,064
KSU x TAMU	17USCP16	68	59	8	0	11.8		6,051
B-H Genetics	4100	67	49	7	0	12.4		5,975
Golden Acres	3960B	67	50	7	0	13.8		5,911
Texas A&M AgriLife Research	ATx2928xRTx436	68	56	7	0	13.9		5,889
Alta Seeds	AG1203	68	51	5	0	13.4		5,850
Integra	G3630	68	51	7	0	13.2		5,758
Dyna-Gro	GX17379	71	55	4	0	12.8		5,333
Sorghum Partners	SP73B12	70	51	5	0	14.6		5,319
DEKALB	DKS 37-07	66	55	6	0	14.5		5,218
KSU x TAMU	17USCP30	65	58	8	78	13.7		1,975

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Agronomic information										
Plant Date	3/20/2018									
Harvest Date	7/20/2018									
Irrigated	No									
Row Spacing (in)	40									
Number of Rows	2									
Seeds per Acre	65,000									
N (lb/ac)	134									
P2O5 (lb/ac)	20									
K2O (lb/ac)	92									
Precipitation (in)	28.13									
Irrigation (in)										
Herbicide	1 oz/ac Sharpen + 22 oz/ac glyphosate applied 3 weeks prior to planting. 1 oz/ac Sharpen + 12 oz/ac Outlook applied @ planting.									
Soil Type									Lake Charles Clay	
Tillage									Conventional	
Previous Crop										
		Trial Notes								
		*6 oz/ac propicanazole, 6 oz/ac azoxystrobin, 4 oz/ac Sivanto sprayed 5/25/18 *3 lb/ac 20-20-20 + Preference applied as foliar fertilizer *Due to a malfunctioning test weight chamber, test weight data is not reported								
		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 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								
		Mean		69	56	6	2.5	13.5		6,483
		C.V. %		1.4	4.4	24.3	97.3	12.6		8.2
		P>f (hybrid)		0.000	0.000			0.186		0.000
		L.S.D.		1.4	3.5					772.0

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