

Greenville

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)
Dyna-Gro	GX17227	N/A	57	3	0	11.6	55.3	6,843
DEKALB	DKS 51-01	N/A	57	4	0	11.4	55.5	6,834
REV	9782	N/A	54	4	0	11.3	55.6	6,738
Dyna-Gro	GX17962	N/A	51	4	0	11.4	55.7	6,680
Golden Acres	2840B	N/A	52	5	0	11.5	55.3	6,669
NuTech	GS693	N/A	53	4	0	11.4	55.5	6,624
REV	9924	N/A	55	4	0	11.4	55.5	6,616
Golden Acres	3020B	N/A	50	3	0	11.5	55.3	6,593
Dyna-Gro	GX17968	N/A	56	6	0	11.3	55.8	6,559
DEKALB	DKS 45-23	N/A	55	4	0	11.5	55.2	6,555
DEKALB	DKS 38-16	N/A	53	5	0	11.5	55.3	6,494
NuTech	GS663	N/A	51	2	0	11.4	55.2	6,426
REV	9562	N/A	53	4	0	11.5	55.3	6,322
Dyna-Gro	M74GB17	N/A	56	5	0	11.4	55.1	6,195
DEKALB	DKS 53-53	N/A	53	4	0	11.5	55.4	6,066
Dyna-Gro	M60GB31	N/A	51	5	0	11.6	55.3	6,061
Alta Seeds	ADV G3247	N/A	54	5	0	11.4	55.8	5,975
NuTech	GS636	N/A	52	4	0	11.5	55.3	5,973
Dyna-Gro	M73GR55	N/A	55	4	0	11.5	55.3	5,968
Sorghum Partners	SP73B12	N/A	51	2	0	11.6	55.3	5,968
Integra	G3670	N/A	51	3	0	11.5	55.2	5,952

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



Department of Soil and Crop Sciences

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Integra	G3630	N/A	51	4	0	11.5	55.6	5,940
Golden Acres	3960B	N/A	51	4	0	11.5	55.2	5,913
Dyna-Gro	GX16833	N/A	55	1	0	11.5	55.3	5,862
B-H Genetics	4100	N/A	52	5	0	11.4	55.5	5,852
Alta Seeds	ADV G2275	N/A	54	6	0	11.5	55.7	5,843
DEKALB	DKS 37-07	N/A	52	4	0	11.4	55.5	5,841
Integra	G3701	N/A	55	3	0	11.5	55.4	5,830
Dyna-Gro	GX17948	N/A	54	3	0	11.6	55.4	5,809
Dyna-Gro	GX17379	N/A	52	2	0	11.3	55.6	5,700
Alta Seeds	AG1203	N/A	52	4	0	11.5	55.3	5,637
Texas A&M AgriLife Research	ATx645xRTx2783	N/A	57	3	0	11.5	55.3	5,634
Texas A&M AgriLife Research	ATx2928xRTx436	N/A	53	4	0	11.5	55.2	5,460
NuTech	GS725	N/A	55	4	0	11.4	55.2	5,443
Texas A&M AgriLife Research	ATx378xRTx430	N/A	57	3	4	11.3	55.1	5,441
Texas A&M AgriLife Research	ATx399xRTx430	N/A	47	4	0	11.4	55.2	5,211

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Agronomic information		Mean	53	4	0.1	11.5	55.4	6,098
Plant Date	4/11/2018	C.V. %	2.9	29.2	400.0	1.6	0.5	5.7
Harvest Date	8/28/2018	P>f (hybrid)	0.000			0.518	0.084	0.000
Irrigated	No	L.S.D.	2.1					491.3
Row Spacing (in)	30	Trial Notes						
Number of Rows	2							
Seeds per Acre	65,000							
N (lb/ac)								
P2O5 (lb/ac)								
K2O (lb/ac)								
Precipitation (in)	27.19							
Irrigation (in)								
Herbicide								
		Soil Type	Clay					
		Tillage						
		Previous Crop						
		Cooperator: Texas A&M AgriLife Research 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						

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