



Department of Soil and Crop Sciences

Greenville

2017 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 51-01	80	57	8	0	16.1		8,173
Pioneer	84P80	82	53	5	0	14.5		8,045
B-H Genetics	4100	77	50	8	0	14.1		8,031
Dyna-Gro	GX16833	82	54	4	0	14.0		8,012
DEKALB	DKS 38-16	78	57	6	0	14.7		8,000
Dyna-Gro	M74GB17	81	53	7	0	14.6		7,935
Golden Acres	3960B	78	50	6	0	15.5		7,833
Alta Seeds	AG1203	78	49	7	0	15.4		7,735
NuTech	GS693	78	50	7	0	15.4		7,732
Texas A&M AgriLife Research	ATx378xRTx430	79	57	6	0	15.3		7,575
DEKALB	DKS 45-23	80	55	8	0	15.9		7,573
Dyna-Gro	M60GB31	77	48	7	0	14.0		7,538
Dyna-Gro	GX16855	83	60	5	0	17.0		7,433
DEKALB	DKS 37-07	76	49	6	0	16.4		7,418
NuTech	GS636	77	48	5	0	16.1		7,411
Golden Acres	X2703	77	55	7	0	15.7		7,376
Dyna-Gro	GX17818	84	49	7	0	16.7		7,306
NuTech	GS725	81	58	8	0	15.1		7,283
Texas A&M AgriLife Research	ATx2752xRTx430	82	54	4	0	16.7		7,258
REV	9562	79	51	7	0	15.5		7,247
REV	9782	80	51	5	0	15.0		7,028

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



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Texas A&M AgriLife Research	ATx399xRTx430	81	49	5	0	14.9		6,975
DEKALB	DKS 53-53	83	55	7	0	16.0		6,919
REV	9924	84	54	5	0	15.7		6,784
Sorghum Partners	SP73B12	80	49	5	0	13.6		6,780
NuTech	GS663	75	48	5	0	16.9		6,626
Dyna-Gro	M73GR55	86	55	3	0	14.5		6,520

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Agronomic information		Mean	80	52	6	0.0	15.4	7,428
Plant Date	3/23/2017	C.V. %	2.3	2.8	20.4		12.6	7.6
Harvest Date	9/6/2017	P>f (hybrid)	0.000	0.000			0.576	0.000
Irrigated	No	L.S.D.	2.5	2.1				798.3
Row Spacing (in)	30	Trial Notes						
Number of Rows	2	**Due to an issue with the harvest system, test weight readings were inaccurate and therefore not reported.						
Seeds per Acre	65,000							
N (lb/ac)	150	Cooperator: Texas A&M AgriLife Research						
P2O5 (lb/ac)								
K2O (lb/ac)		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 ronschnell@tamu.edu 979-845-2935						
Precipitation (in)	41.7							
Irrigation (in)		Soil Type <input style="width: 100%;" type="text"/> Tillage <input style="width: 100%;" type="text"/> Previous Crop <input style="width: 100%;" type="text"/>						
Herbicide								
1 qt Atrazine applied after planting								

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