

College Station 2016 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	77	56	8	0	12.1	61.9	6,787
Golden Acres	3970R	73	48	7	0	12.0	61.2	6,337
Texas A&M AgriLife Research	ATx399xRTx430	74	49	8	0	11.2	60.7	6,242
Alta Seeds	AG2105	74	53	7	0	10.7	62.1	6,141
Sorghum Partners	SP68M57	74	48	7	0	12.8	60.8	6,077
REV	9782	74	51	7	0	12.0	62.1	6,067
Texas A&M AgriLife Research	ATx2752xRTx430	74	51	7	3	12.8	61.0	6,065
NuTech	GS693	72	50	8	0	12.1	60.8	6,059
REV	9924	75	54	7	0	11.9	61.2	5,949
NuTech	GS725	73	56	9	3	11.7	62.4	5,949
DEKALB	DKS 38-16	73	58	8	3	12.1	62.1	5,890
Alta Seeds	AG3101	72	57	10	5	12.6	62.5	5,889
Alta Seeds	AG3201	72	52	8	0	11.3	61.4	5,850
REV	9562	75	49	7	0	11.2	61.8	5,746
Golden Acres	4980B	73	48	6	0	11.8	61.0	5,690
Sorghum Partners	K73-J6	74	53	8	0	12.4	61.6	5,637
Golden Acres	3545	76	52	8	0	13.1	61.3	5,492
Alta Seeds	AG1203	72	47	6	0	12.0	61.1	5,367
Texas A&M AgriLife Research	ATx378xRTx430	75	57	7	0	11.5	59.8	5,361
NuTech	GS676	77	48	8	0	11.4	61.6	5,214
NuTech	GS663	71	46	5	3	12.0	60.3	5,055
Alta Seeds	AG2103	73	49	8	0	12.1	61.7	4,982
Golden Acres	3960B	73	47	6	0	11.4	61.9	4,912

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

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Agronomic information		Mean	74	51	7	0.7	61.4	5,772	
Plant Date	3/23/2016	C.V. %	2.1	3.6	23.8	354.2	11.0	1.2	
Harvest Date	7/25/2016	P>f (hybrid)	0.000	0.000			0.842	0.000	
Irrigated	Yes	L.S.D.	2.2	2.6				1.1	
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	*Applied 150 lb/A of 11-37-0 + 5lb/A Zn in early February							
Seeds per Acre	80,000	*Applied 125 lb/A N and cultivated block on 5/7							
N (lb/ac)	141	*No insecticides were applied							
P2O5 (lb/ac)	56	*Due to timely rains, no irrigations were applied during growing season							
K2O (lb/ac)	0								
Precipitation (in)	33.84								
Irrigation (in)	0								
Herbicide	Applied 3 pt/A Atrazine + 1.5 pt/A Brawl on 3/24. Applied 3 pt/A Prowl H2O + 1 pt/A Atrazine on 5/8	Soil Type	Ships clay loam						
		Tillage	Shredded, disked, chiseled w/ soil saver, bedded. Planted on raised beds.						
		Previous Crop	Grain sorghum						
		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: Dennis Pietsch croptest@tamu.edu 979-845-8505							

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