

Greenville

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 38-16	79	57	8	N/A	15.3	58.6	5,546
Alta Seeds	AG3201	81	51	7	N/A	14.8	56.3	5,496
DEKALB	DKS 51-01	83	56	9	N/A	15.2	58.2	5,435
Alta Seeds	AG2105	82	52	8	N/A	15.6	56.9	5,372
NuTech	GS693	81	50	9	N/A	15.5	57.9	5,350
REV	9562	82	51	10	N/A	15.4	57.9	5,224
DEKALB	DKS 45-23	82	54	8	N/A	14.8	59.0	5,206
NuTech	GS725	81	58	9	N/A	15.2	58.5	5,173
Sorghum Partners	SP68M57	80	47	7	N/A	15.2	57.2	5,122
Texas A&M AgriLife Research	ATx399xRTx430	83	49	7	N/A	12.7	55.2	5,031
Texas A&M AgriLife Research	ATx2752xRTx430	83	54	7	N/A	15.1	56.0	5,029
REV	9924	83	54	6	N/A	14.5	57.3	5,023
Alta Seeds	AG2103	81	48	8	N/A	15.5	56.7	5,018
REV	9782	81	49	7	N/A	14.7	56.9	4,975
NuTech	GS663	79	49	7	N/A	15.2	55.3	4,856
Sorghum Partners	SP70B17	82	50	7	N/A	14.8	56.5	4,855
Texas A&M AgriLife Research	ATx378xRTx430	83	58	8	N/A	14.5	55.4	4,629
NuTech	GS676	84	47	7	N/A	15.5	56.5	4,626
Golden Acres	3960B	82	50	7	N/A	13.9	58.8	4,614
Golden Acres	3970R	83	49	10	N/A	16.0	54.8	4,446
Alta Seeds	AG1203	82	48	8	N/A	14.4	58.3	4,438
Sorghum Partners	K73-J6	82	51	7	N/A	15.3	57.2	4,393

*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	
Plant Date	3/29/2016
Harvest Date	8/25/2016
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	65,000
N (lb/ac)	154
P2O5 (lb/ac)	13
K2O (lb/ac)	0
Precipitation (in)	34.4
Irrigation (in)	
Herbicide	Applied 1 qt/A of Roundup + 1qt/A of Atrazine for burndown, December '15. Applied 1 qt/A Roundup + 1 qt/A Duall II Magnum on 3/29/16

Mean	82	51	8		15.0	57.1	4,994
C.V. %	1.0	3.1	20.0		6.0	1.2	7.0
P>f (hybrid)	0.000	0.000			0.004	0.000	0.000
L.S.D.	1.2	2.2			1.3	1.0	495.6

Trial Notes

*Appreciation is expressed to Dr. Curtis Jones, Assistant Professor, Texas A&M Commerce & Mr. Russell Sutton, Assistant Research Scientist, Texas A&M AgriLife Research, Commerce, Texas for maintaining & monitoring test block

*At planting applied in-furrow 5 gal/A of 6-22-0 + 1 qt/A of CornGrow TQ (micronutrients)
*Knifed in 150 lb/A of N as 32-0-0 between rows
*Test block was not sprayed for aphids

Soil Type	Houston black clay
Tillage	Disced + field cultivated in October '15. Planted flat
Previous Crop	Fallow

Cooperator: Texas A&M AgriLife Research

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. 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:
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