

Thrall

2015 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	75	57	6	N/A	12.2	62.6	7,131
REV	9924	77	57	4	N/A	11.4	61.5	6,761
Alta Seeds	AG3101	73	60	6	N/A	12.1	63.5	6,684
DEKALB	DKS 44-20	69	56	8	N/A	11.8	62.8	6,606
REV	9562	74	53	5	N/A	11.2	62.3	6,461
Alta Seeds	AG2105	73	56	6	N/A	12.1	62.1	6,231
NuTech	GS693	74	53	5	N/A	11.7	62.4	6,055
NuTech	GS725	75	58	6	N/A	12.2	63.3	6,015
Texas A&M AgriLife Research	ATx378xRTx430	73	60	5	N/A	11.9	61.3	5,912
Mycogen	1G688	76	52	5	N/A	11.5	61.5	5,901
Integra	G3670	74	54	4	N/A	11.8	61.8	5,804
Texas A&M AgriLife Research	ATx2752xRTx430	74	53	3	N/A	12.1	61.8	5,795
NuTech	GS715	76	53	2	N/A	11.8	61.8	5,773
REV	9782	75	52	5	N/A	11.8	62.6	5,508
Golden Acres	3545	75	54	7	N/A	12.3	61.9	5,425
DEKALB	DKS 49-45	75	55	4	N/A	12.1	63.0	5,388
Alta Seeds	AG3201	75	52	5	N/A	12.0	61.6	5,368
Golden Acres	5556	74	50	7	N/A	11.8	61.8	5,231
Mycogen	E46191	80	55	6	N/A	11.7	61.4	5,139
Advanta Research	XG30002	75	49	6	N/A	12.9	62.1	5,085
Advanta Research	XG30003	77	48	4	N/A	13.3	62.7	4,927
Integra	G3660	72	49	5	N/A	12.0	61.7	4,873
Alta Seeds	AG2115	71	55	7	N/A	11.6	61.3	4,854
Advanta Research	XG02008	73	52	5	N/A	11.8	61.7	4,696

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

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Advanta Research	XG30001	73	50	6	N/A	12.5	61.0	4,593
Golden Acres	5515	72	53	7	N/A	11.7	61.2	4,569
Texas A&M AgriLife Research	ATx399xRTx430	76	53	4	N/A	11.6	60.5	4,510
Alta Seeds	AG1301	72	50	7	N/A	11.5	62.0	4,467
Alta Seeds	AG1401	74	49	8	N/A	11.8	62.2	4,288
Alta Seeds	AG1203	75	48	3	N/A	11.8	62.6	4,116
DEKALB	DKS 53-53	77	53	4	N/A	12.2	62.5	4,027
NuTech	GS623	66	52	7	N/A	11.8	61.2	3,090

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Agronomic information		Mean	74	53	5	11.9	62.0	5,353
Plant Date	3/30/2015	C.V. %	2.1	3.2	25.0	4.2	0.8	16.3
Harvest Date	8/11/2015	P>f (hybrid)	0.000	0.000		0.001	0.000	0.000
Irrigated	No	L.S.D.	2.2	2.4		0.7	0.7	1,283.2
Row Spacing (in)	38	Trial Notes						
Number of Rows	2	The test block is usually strip-tilled prior to planting, however due to wet field conditions, the test was not strip-tilled. Instead, the test was planted in last year's beds and herbicides were applied pre-emerge.						
Seeds per Acre	65,000	Large rain events delayed the optimum planting date approximately 3 weeks. Continued rain events after planting delayed early plant growth and development. 1.5 lb/A of Zinc was applied sidedress. Transform was applied at label rate for control of aphids.						
N (lb/ac)	220	Soil Type: Burleson clay						
P2O5 (lb/ac)	45	Tillage: None, old beds were used						
K2O (lb/ac)	23	Previous Crop: Corn						
Precipitation (in)	32.34	Cooperator: Stiles Farm Foundation, Ryan Collett 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: Dennis Pietsch dpietsch@ag.tamu.edu 979-845-8505						
Irrigation (in)								
Herbicide	Applied 1.3 pt/A of Medal EC + 1 lb of Atrazine + 1.3 qt/A of glyphosate, pre-emerge							

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