

Hereford

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)
NuTech	GS725	71	42	5	0	11.7	57.7	6,683
Texas A&M AgriLife Research	ATx2752xRTx430	68	39	2	0	12.7	55.4	6,472
Alta Seeds	AG2115	65	37	4	0	12.4	54.7	6,219
Alta Seeds	AG3101	74	40	4	0	11.9	55.8	6,119
DEKALB	DKS 51-01	65	39	4	0	12.9	56.7	6,111
Golden Acres	3970R	76	39	4	0	11.9	54.0	6,080
Alta Seeds	AG3201	65	37	2	0	12.7	57.4	5,944
Alta Seeds	AG1203	62	35	3	0	12.5	56.0	5,880
Sorghum Partners	K73-J6	68	40	5	0	12.6	57.1	5,869
DEKALB	DKS 53-53	71	39	3	0	13.0	57.4	5,799
Alta Seeds	AG2105	69	38	6	0	12.4	55.9	5,788
DEKALB	DKS 45-23	70	39	4	0	11.8	56.6	5,761
REV	9562	64	37	3	0	12.4	55.7	5,717
Alta Seeds	AG2103	65	36	4	0	11.8	54.9	5,617
Texas A&M AgriLife Research	ATx399xRTx430	69	35	2	0	12.2	53.0	5,604
NuTech	GS693	65	36	4	0	12.1	56.6	5,580
REV	9782	64	34	1	0	13.1	54.8	5,318
NuTech	GS676	71	38	5	0	13.3	57.1	5,304
Golden Acres	3960B	68	35	4	0	13.5	56.5	5,093
Texas A&M AgriLife Research	ATx378xRTx430	68	40	3	0	12.5	52.8	5,068
Sorghum Partners	KS585	64	31	2	0	12.9	54.6	4,559
NuTech	GS663	62	33	0	0	13.4	56.0	4,270
Sorghum Partners	SP73B12	70	36	2	0	14.3	57.0	4,084
Sorghum Partners	SP68M57	60	32	0	0	13.7	55.0	3,493

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

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Sorghum Partners	SP34A19	57	34	0	0	12.7	48.3	3,011

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Agronomic information		Mean	67	37	3	0.0	12.6	55.5	5,418
Plant Date	6/8/2016	C.V. %	5.5	5.7	38.6		9.3	3.7	11.7
Harvest Date	11/2/2016	P>f (hybrid)	0.000	0.000			0.230	0.000	0.000
Irrigated	Yes	L.S.D.	5.2	3.0				2.9	899.3
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	*Test conducted under center pivot							
Seeds per Acre	70,000	*Lack of timely moisture reduced plant height, head exertion, & potential yields							
N (lb/ac)	100	*Sivanto was applied at label rate for control of aphids							
P2O5 (lb/ac)	0	*Plots were harvested by Advanta Seed Company with a MF8XP plot combine							
K2O (lb/ac)	0	*Appreciation is expressed to Mr. Rick Auckerman, Deaf Smith CEA, for collecting flowering data, maintaining and monitoring test site							
Precipitation (in)	13.75	Soil Type	Pullman clay loam						
Irrigation (in)	7	Tillage	Conventional						
Herbicide	Applied 1.5 lb/A of Atrazine + 1.2 pt/A Dual; pre-emerge	Previous Crop	Corn						
		Cooperator: Greg Urbanczyk							
		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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