

Perryton

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 53-53	74	47	2	0	11.3	56.8	8,019
Chromatin	Chr0L0242	73	49	3	0	11.1	57.4	7,724
Chromatin	Chr0L0029	77	51	1	0	11.6	59.0	7,634
Alta Seeds	AG3101	74	51	3	0	11.3	59.3	7,628
Texas A&M AgriLife Research	ATx378xRTx430	74	52	2	0	10.9	53.5	7,573
Texas A&M AgriLife Research	ATx2752xRTx430	75	48	1	0	11.2	53.5	7,416
DEKALB	DKS 45-23	74	48	2	0	11.1	56.5	7,407
Alta Seeds	AG3201	73	49	2	0	11.4	54.1	7,342
Sorghum Partners	SP73B12	74	48	2	0	11.2	59.2	7,333
Chromatin	Chr0L0012	72	47	4	0	11.3	55.2	7,232
NuTech	GS725	74	50	3	0	10.8	58.2	7,201
Golden Acres	3970R	75	44	4	0	11.3	56.0	7,177
Chromatin	Chr13GS0070	73	47	1	0	13.5	61.0	7,143
Alta Seeds	AG2103	71	45	3	0	11.2	57.2	7,068
NuTech	GS693	72	47	4	0	11.0	57.3	7,045
DEKALB	DKS 51-01	73	51	4	0	11.8	57.7	7,016
REV	9562	72	47	2	0	11.7	56.6	6,995
NuTech	GS676	77	45	5	0	11.2	58.2	6,974
REV	9782	73	47	4	0	11.7	57.3	6,875
Sorghum Partners	K73-J6	73	49	2	0	11.3	54.2	6,768
NuTech	GS663	71	45	1	0	11.5	56.8	6,761
Chromatin	Chr13GS0073	72	50	5	0	10.8	56.9	6,751
Chromatin	Chr13GS0072	72	44	6	0	12.0	57.9	6,677
Alta Seeds	AG2105	71	49	6	0	11.7	55.6	6,616

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

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DEKALB	DKS 53-67	76	47	1	0	11.2	58.8	6,422
Golden Acres	3960B	72	48	2	0	11.7	57.1	6,057
Sorghum Partners	SP68M57	70	44	4	0	11.4	56.9	6,031
Texas A&M AgriLife Research	ATx399xRTx430	74	43	1	0	11.5	49.9	5,905
Alta Seeds	AG1203	72	48	2	0	11.7	55.9	5,893
Alta Seeds	AG2115	71	47	5	0	10.9	55.1	5,425
Sorghum Partners	KS585	67	41	2	0	11.5	55.0	4,077
Sorghum Partners	SP34A19	66	41	4	0	12.3	49.1	4,025
Chromatin	Chr0L0163	67	41	2	0	12.2	43.2	3,584
Chromatin	Chr13GS0039	59	37	4	0	11.4	44.2	2,619

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Agronomic information		Mean	72	47	3	0.0	11.5	6,542
Plant Date	5/11/2016	C.V. %	1.7	4.8	42.1		7.1	11.9
Harvest Date	10/26/2016	P>f (hybrid)	0.000	0.000			0.137	0.000
Irrigated	Yes	L.S.D.	1.7	3.2			6.7	1,212.2
Row Spacing (in)	30	Trial Notes						
Number of Rows	2	*Potential yields were reduced due to several issues. Herbicide drift from a neighbor's field hampered early plant growth & develop. Many rain events caused grain sprouting in some hybrids. Bird damage was observed, especially in early maturing hybrids						
Seeds per Acre	60,000	*Applied Transform @ boot stage & Sivanto during grain fill for aphid control.						
N (lb/ac)	112	*Appreciation is expressed to Mr. Scott Strawn for monitoring test & taking notes.						
P2O5 (lb/ac)	20	*Appreciation is expressed to Advanta Seed Co. for harvesting test block w/ MF8XP combine						
K2O (lb/ac)	0	Soil Type	Pullman clay					
Precipitation (in)	23.12	Tillage	Conventional, disked twice, bedded on 60" beds					
Irrigation (in)	8	Previous Crop	Wheat					
Herbicide	32 oz/A of Charger MAX + 16 oz/A of Atrazine	Cooperator: Monte Wright						
		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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