

Hale County

2017 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)
Dyna-Gro	M75GR47	68	43	4	N/A	15.5	56.6	6,071
B-H Genetics	4100	69	42	3	N/A	15.9	56.8	5,976
NuTech	GS663	67	41	2	N/A	15.1	56.4	5,897
Dyna-Gro	M60GB31	67	41	4	N/A	16.6	56.5	5,754
DEKALB	DKS 37-07	66	45	4	N/A	14.9	57.1	5,743
Pioneer	84P80	69	48	3	N/A	15.6	56.6	5,724
DEKALB	DKS 51-01	69	47	4	N/A	17.0	56.6	5,513
REV	9782	68	46	3	N/A	15.2	57.3	5,382
Golden Acres	3960B	67	41	3	N/A	16.7	57.2	5,348
Chromatin	CHR0072	68	40	4	N/A	15.8	57.2	5,328
DEKALB	DKS 38-16	66	45	3	N/A	15.3	57.3	5,314
Alta Seeds	AG1203	67	40	4	N/A	13.1	56.7	5,305
NuTech	GS636	68	41	3	N/A	17.4	57.3	5,274
Sorghum Partners	SP68M57	66	44	3	N/A	15.9	56.3	4,977
REV	9562	68	42	3	N/A	14.0	56.7	4,889
Alta Seeds	AG3201	69	44	3	N/A	16.0	56.7	4,866
DEKALB	DKS 45-23	70	48	3	N/A	14.2	57.0	4,789
Texas A&M AgriLife Research	ATx378xRTx430	68	50	4	N/A	11.1	55.6	4,699
Dyna-Gro	M60GB88	67	46	4	N/A	17.3	57.2	4,613
Texas A&M AgriLife Research	ATx399xRTx430	69	43	4	N/A	14.8	56.5	4,583
Dyna-Gro	M74GB17	72	49	3	N/A	15.9	56.7	4,545

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



Department of Soil and Crop Sciences

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Dyna-Gro	GX16535	68	47	3	N/A	18.9	57.3	4,456
NuTech	GS693	66	46	4	N/A	15.6	58.3	4,285
Chromatin	CHR2042	72	49	4	N/A	15.0	56.5	4,166
Alta Seeds	AG3101	72	46	4	N/A	15.1	56.1	4,157
NuTech	GS725	72	47	4	N/A	13.5	55.8	3,844
Sorghum Partners	SP73B12	72	44	3	N/A	17.5	57.2	3,844
Dyna-Gro	GX17818	74	47	4	N/A	13.1	55.7	3,703
Dyna-Gro	GX16833	75	54	1	N/A	14.4	56.6	3,404
Texas A&M AgriLife Research	ATx2752xRTx430	72	42	2	N/A	16.6	56.0	3,220
DEKALB	DKS 53-53	73	49	3	N/A	13.7	56.9	3,150
Chromatin	CHR0L0029	74	50	2	N/A	17.4	56.1	2,804
Dyna-Gro	GX16855	74	49	3	N/A	18.6	56.0	2,784
Dyna-Gro	M73GR55	82	51	4	N/A	15.6	56.1	1,611
Sorghum Partners	SP7715	79	49	3	N/A	16.0	57.5	1,429
AgriComm Seeds	AGRI-G1	82	56	2	N/A	17.1	54.4	663

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Agronomic information		Mean	70	46	3	15.6	56.6	4,392
Plant Date	5/25/2017	C.V. %	2.5	6.4	35.1	13.0	1.5	17.8
Harvest Date	10/17/2017	P>f (hybrid)	0.000	0.000		0.002	0.001	0.000
Irrigated	Yes	L.S.D.	2.6	4.4		3.5	1.3	1,168.3
Row Spacing (in)	40	Trial Notes						
Number of Rows	2	<p>*Special appreciation to Mark Brown for assisting with planting, cutting alleys, and taking flowering notes</p> <p>*Soil tests showed at least 30lb N/A + 20 lb P2O5/A in residual</p> <p>*~6 lb Sulfur applied</p>						
Seeds per Acre	55,000							
N (lb/ac)	50	<p>*Field was sprayed once for SCA after flowering</p> <p>*Field was sprayed once for midge</p>						
P2O5 (lb/ac)	20							
K2O (lb/ac)	0	<p>Cooperator: Don Macha</p> <p>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: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505</p>						
Precipitation (in)								
Irrigation (in)								
Herbicide								
		Soil Type						
		Tillage						
		Previous Crop						

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