AGRICULTURE & LIFE SCIENCES
TEXAS A&M UNIVERSITY

Department of Soil and Crop Sciences

Hubbard
2018 Grain Sorghum Performance Trial

TEXAS A&M AGRILIFE RESEARCH | EXTENSION

Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
REV	9924	85	46	2	0	11.8	56.7	4,123
Dyna-Gro	GX17962	83	42	3	0	11.7	56.6	4,041
Dyna-Gro	GX17968	84	43	3	0	11.2	56.4	4,035
Dyna-Gro	GX17379	86	43	2	0	11.2	55.8	3,862
REV	9562	85	44	3	0	11.7	56.6	3,845
B-H Genetics	4100	83	42	3	0	12.3	57.3	3,815
Dyna-Gro	GX16833	86	45	1	0	11.6	57.3	3,807
DEKALB	DKS 51-01	85	45	5	0	11.2	56.0	3,773
Alta Seeds	ADV G2275	83	44	5	0	11.9	58.2	3,762
NuTech	GS663	81	40	2	0	11.4	56.7	3,734
DEKALB	DKS 37-07	81	42	2	0	11.9	58.2	3,679
NuTech	GS636	83	43	3	0	12.3	57.3	3,647
Alta Seeds	AG1203	84	43	2	0	11.5	57.8	3,601
DEKALB	DKS 38-16	82	41	2	0	11.6	57.8	3,597
NuTech	GS693	84	45	3	0	11.8	55.1	3,595
Dyna-Gro	M60GB31	83	41	3	0	11.7	58.5	3,554
Gold Source	GS6717	84	42	1	0	11.7	57.6	3,527
Gold Source	GS7215	86	47	2	0	11.6	56.1	3,526
Integra	G3701	87	46	2	0	11.6	57.0	3,511
Integra	G3630	83	41	2	0	11.6	57.0	3,499
Gold Source	GS7117	86	40	3	0	11.8	57.7	3,417

*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 45-23	85	46	2	0	11.7	56.5	3,412
Texas A&M AgriLife Research	ATx2928xRTx436	85	40	2	0	11.5	54.9	3,340
Texas A&M AgriLife Research	ATx645xRTx2783	84	45	4	0	12.0	57.9	3,332
Alta Seeds	ADV G3247	87	40	2	0	11.7	56.2	3,249
DEKALB	DKS 53-53	85	44	1	0	11.6	57.5	3,242
Dyna-Gro	GX17948	84	45	2	0	11.5	56.7	3,179
Dyna-Gro	M73GR55	90	47	4	0	11.4	55.1	3,175
Integra	G3670	84	40	2	0	11.3	56.2	3,086
NuTech	GS725	83	47	4	0	11.1	55.4	3,046
Gold Source	GS7016	88	45	2	0	11.5	56.4	3,040
Sorghum Partners	SP73B12	84	39	2	0	12.3	56.9	2,992
Dyna-Gro	GX17227	89	45	2	0	11.4	57.3	2,966
REV	9782	82	39	2	0	11.5	55.2	2,928
Dyna-Gro	M74GB17	85	42	4	0	11.7	56.8	2,927
Texas A&M AgriLife Research	ATx378xRTx430	83	46	2	0	11.5	56.1	2,853
Texas A&M AgriLife Research	ATx399xRTx430	83	39	2	0	11.4	55.0	2,846

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	Mean	84	43	2	0.0	11.6	56.7	3,448
	C.V. %	1.1	5.8	39.7		3.9	3.0	13.0
	P>f (hybrid)	0.000	0.000			0.040	0.156	0.000
	L.S.D.	1.2	3.5			0.6		632.5

Agronomic information

Plant Date	3/22/2018
Harvest Date	8/7/2018
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	65,000
N (lb/ac)	111
P2O5 (lb/ac)	29
K2O (lb/ac)	38
Precipitation (in)	11.66
Irrigation (in)	

Herbicide

1 qt/ac atrazine + 0.5 oz/ac Peak applied post plant

Trial Notes

*From May 21 (pre-flowering) through harvest 1.25" of precipitiation fell. This led to severe drought stress and lower than normal yields.

Soil Type	Ferris-Heiden Complex
Tillage	
Previous Crop	Wheat

Cooperator: Brian Maddox

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:
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