

## College Station

### 2018 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)
Gold Source	GS7215	79	58	5	0	13.9	60.4	7,461
Gold Source	GS7117	81	49	8	0	14.4	60.0	7,343
REV	9562	76	49	6	0	13.1	59.8	7,261
Dyna-Gro	GX17962	77	47	5	0	13.4	59.1	7,129
Integra	G3701	80	54	5	0	13.7	61.4	6,864
NuTech	GS636	75	45	6	0	12.9	59.5	6,438
DEKALB	DKS 45-23	79	54	5	0	13.8	60.5	6,409
Dyna-Gro	GX17968	79	52	9	0	13.9	60.3	6,373
Dyna-Gro	GX17948	78	49	5	0	14.0	60.2	6,354
NuTech	GS693	77	49	6	0	13.2	59.8	6,341
Texas A&M AgriLife Research	ATx378xRTx430	77	53	4	0	13.5	57.4	6,333
DEKALB	DKS 51-01	79	53	7	0	14.3	60.1	6,301
Dyna-Gro	M73GR55	85	57	4	0	13.8	59.8	6,277
Gold Source	GS7016	80	57	4	0	14.3	60.7	6,267
Dyna-Gro	M60GB31	75	44	4	0	13.3	59.7	6,257
Integra	G3630	75	46	4	0	13.8	58.9	6,126
Golden Acres	3020B	76	47	5	0	13.8	59.4	6,062
Dyna-Gro	M74GB17	80	54	5	0	14.3	60.2	6,019
Dyna-Gro	GX16833	81	51	4	0	14.0	60.8	5,950
DEKALB	DKS 38-16	75	49	4	0	13.7	60.7	5,927
Sorghum Partners	SP73B12	79	49	3	0	13.6	59.9	5,818

\*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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DEKALB	DKS 53-53	81	52	5	0	13.7	60.4	5,742
Gold Source	GS6717	78	49	7	0	13.3	60.2	5,735
Texas A&M AgriLife Research	ATx645xRTx2783	77	55	5	0	13.5	60.1	5,711
Integra	G3670	76	49	4	0	13.2	58.7	5,593
B-H Genetics	4100	76	46	5	0	13.5	59.9	5,552
REV	9924	82	56	4	0	13.1	60.0	5,471
Texas A&M AgriLife Research	ATx399xRTx430	76	47	5	0	12.7	56.3	5,441
NuTech	GS725	79	53	7	0	13.4	60.6	5,329
Golden Acres	3960B	76	46	5	0	13.8	59.7	5,299
Dyna-Gro	GX17379	82	52	5	0	13.7	59.0	5,265
REV	9782	76	49	4	0	13.5	59.9	5,205
NuTech	GS663	73	46	2	0	12.9	58.6	5,191
DEKALB	DKS 37-07	73	47	5	0	12.8	59.3	5,109
Golden Acres	2840B	71	50	5	0	13.0	59.9	5,060
Texas A&M AgriLife Research	ATx2928xRTx436	78	45	5	0	13.6	58.7	4,887
Dyna-Gro	GX17227	82	54	5	0	14.1	59.2	4,886

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<b>Agronomic information</b>		Mean	78	50	5	0.0	13.6	59.7	5,967
Plant Date	3/23/2018	C.V. %	1.4	4.7	32.4		3.7	0.7	11.3
Harvest Date	8/10/2018	P>f (hybrid)	0.000	0.000			0.000	0.000	0.000
Irrigated	Yes	L.S.D.	1.5	3.3			0.7	0.7	992.4
Row Spacing (in)	30	<b>Trial Notes</b>							
Number of Rows	2	*4 lb/ac zinc banded at seed depth. *4 oz/ac Sivanto Prime applied 6/11 for aphids. *One irrigation applied post flowering.							
Seeds per Acre	80,000								
N (lb/ac)	120	<b>Cooperator:</b> Texas A&M AgriLife Research  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							
P2O5 (lb/ac)	56								
K2O (lb/ac)	0								
Precipitation (in)	17.39								
Irrigation (in)		Soil Type	Belk clay						
Herbicide	1.66 pt/ac Dual 2 magnum + 3 pt/ac Atrazine applied 3/23	Tillage	Conventional - disked and bedded Oct '17						
		Previous Crop	Cotton						

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