

Thrall

2019 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	GX17457	81	54	2	0	13.3	60.6	8,147
Integra	G3665	80	54	4	0	13.5	58.2	7,569
DEKALB	DKS 38-16	81	55	5	0	13.3	61.3	7,456
Pioneer	84P80	82	53	2	0	13.3	60.6	7,174
DEKALB	DKS 54-07	84	56	3	0	13.3	61.4	6,924
Dyna-Gro	M69GR88	85	51	4	0	13.6	59.3	6,923
Gayland Ward	18057	83	52	8	0	14.2	59.2	6,709
Dyna-Gro	GX17973	85	59	6	0	13.1	59.7	6,674
B-H Genetics	4100	85	52	3	0	13.0	61.0	6,662
REV	9620	83	60	6	0	13.6	60.2	6,429
Dyna-Gro	M62GB77	83	53	5	0	13.1	61.4	6,239
REV	9562	86	52	3	0	14.2	60.4	6,154
Dyna-Gro	M60GB31	86	51	4	0	14.1	60.3	6,148
REV	9782	84	53	5	0	13.8	60.6	6,063
DEKALB	DKS 53-53	84	55	3	0	14.2	60.2	6,021
Texas A&M AgriLife Research	ATx378xRTx430	83	62	6	0	13.8	58.5	5,970
Sorghum Partners	SP68M57	81	50	3	0	14.0	60.3	5,965
Dyna-Gro	M68GB18	89	60	3	0	13.4	58.9	5,940
Texas A&M AgriLife Research	ATx2752xRTx2783	86	53	2	0	13.6	60.4	5,916
Dyna-Gro	GX19981	86	50	2	0	13.4	61.1	5,874
DEKALB	DKS 51-01	85	56	5	0	13.8	60.0	5,813

*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 46-60	86	52	5	0	13.2	59.6	5,774
Dyna-Gro	M60GB88	79	50	5	0	13.9	59.4	5,698
DEKALB	DKS 37-07	79	52	4	0	13.9	60.9	5,636
Dyna-Gro	GX18395	82	53	5	0	13.4	60.5	5,623
Dyna-Gro	M71GR04	89	55	2	0	13.6	60.6	5,395
Golden Acres	3960B	82	51	3	0	13.7	60.0	5,343
Texas A&M AgriLife Research	ATx2752xRTx430	85	55	2	0	13.4	59.9	5,311
Integra	G3670	84	54	2	0	13.9	59.1	5,285
Integra	G3630	82	51	3	0	13.5	59.9	5,279
Alta Seeds	ADV G2275	84	51	4	0	15.3	59.2	5,068
Dyna-Gro	GX18991	88	55	3	0	13.6	60.6	5,055
Sorghum Partners	SP73B12	85	52	5	0	14.3	59.6	5,052
Dyna-Gro	M69GB38	87	57	7	0	14.0	59.4	5,041
Alta Seeds	ADV G2106	77	48	5	0	13.6	59.5	4,682
Golden Acres	3020B	84	49	3	0	14.6	59.3	4,422
Texas A&M AgriLife Research	ATx631xRTx436	90	60	5	0	15.4	58.9	4,129
Dyna-Gro	M74GB17	88	55	3	0	13.4	59.1	4,049
Sorghum Partners	SP7715	89	55	5	0	16.6	58.6	3,644
Dyna-Gro	M73GR55	91	60	4	0	13.1	57.7	3,577
Sorghum Partners	SP74M21	87	55	7	0	15.3	54.4	3,129

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Agronomic information		Mean	84	54	4	0.0	13.8	59.7	5,706
Plant Date	3/26/2019	C.V. %	2.8	5.0	37.2		5.9	2.1	15.0
Harvest Date	8/19/2019	P>f (hybrid)	0.000	0.000			0.001	0.000	0.000
Irrigated	No	L.S.D.	3.3	3.8			1.3	2.0	1,354.0
Row Spacing (in)	30	Trial Notes							
Number of Rows	2	15 lb/ac Sulfur applied at planting							
Seeds per Acre	65,000								
N (lb/ac)	150								
P2O5 (lb/ac)	30								
K2O (lb/ac)	40	Cooperator: Stiles Farm Foundation 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 a SRES Advanced planter with Monosem 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							
Precipitation (in)	25.88								
Irrigation (in)		Soil Type	Clay						
Herbicide	1 qt/ac Atrazine + 1.33 pt/ac Dual + 1 qt/ac Roundup + 2 oz/ac Sharpen applied pre-emerge. 14 oz/ac Outlook applied 4/23/19	Tillage							
		Previous Crop	Sesame						

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