

Thrall

2020 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)
Golden Acres	3180B	81	56	4	0	14.1	58.8	6,436
DEKALB	DKS 45-60	82	59	9	0	14.5	61.1	6,383
Dyna-Gro	M71GR91	86	61	2	0	15.5	61.7	6,340
Golden Acres	3020B	82	55	5	0	13.7	60.3	6,321
DEKALB	DKS 46-60	84	58	6	0	14.6	60.9	6,321
Integra	G3665	82	55	5	0	13.9	58.9	5,803
Dyna-Gro	M69GR88	84	55	4	0	14.2	58.9	5,786
DEKALB	DKS 44-07	84	54	3	0	14.4	61.2	5,625
DEKALB	DKS 36-07	81	55	6	0	14.2	60.5	5,605
Alta Seeds	ADV G2275	83	55	6	0	17.2	59.8	5,514
Dyna-Gro	GX19981	86	55	2	0	15.0	61.4	5,421
Dyna-Gro	M72GB71	85	61	4	0	14.5	61.2	5,401
Integra	G3630	82	51	4	0	14.7	59.7	5,291
DEKALB	DKS 54-07	88	57	2	0	15.2	60.6	5,052
Gayland Ward	18057	83	55	7	0	15.5	58.7	4,979
Dyna-Gro	M62GB77	81	56	7	6	14.3	61.5	4,921
Integra	G3711	87	56	2	0	14.7	60.8	4,919
Integra	G3620	81	56	7	6	14.4	60.3	4,811
Pioneer	83G19	83	58	2	3	14.5	59.4	4,743
Dyna-Gro	M69GB38	84	59	7	6	14.4	59.5	4,517
Dyna-Gro	M60GB31	83	51	4	0	13.8	59.1	4,456

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



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

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Dyna-Gro	M74GB17	86	54	1	15	14.9	58.2	4,062
Texas A&M AgriLife Research	ATx399xRTx430	82	52	4	21	13.9	56.9	3,263
Texas A&M AgriLife Research	ATx631xRTx436	91	53	0	0	15.5	57.9	2,389
Texas A&M AgriLife Research	ATx378xRTx430	82	60	5	80	7.2	28.6	1,759

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Agronomic information

Plant Date	3/12/2020
Harvest Date	7/22/2020
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	65,000
Precipitation (in)	16.7
Irrigation (in)	
Herbicide	

1 qt/ac atrazine, 1.33 pt/ac Dual + 1 qt/ac Roundup at planting. 14 oz/ac Outlook + 1 qt /ac Roundup applied post with hoods.

Soil Type	Clay
Tillage	Conventional
Previous Crop	Corn

Mean	84	56	4	5.5	14.3	58.6	5,045
C.V. %	1.1	2.9	22.6	143.0	11.8	11.2	13.9
P>f (hybrid)	0.000	0.000			0.000	0.000	0.000
L.S.D.	1.3	2.3			2.4	9.3	990.1

Trial Notes

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

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:

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Fertilizer Applied		Soil Analysis Report**	
N (lb/ac)	150	NO3-N (ppm)	2
P2O5 (lb/ac)	35	P (ppm)*	25
K2O (lb/ac)	60	K (ppm)*	73
S (lb/ac)	20	S (ppm)*	6
Zn (lb/ac)	0		
		pH	5.4
		Conductivity (umho/cm)	74
		Ca (ppm)*	3,825
		Mg (ppm)*	474
		Na (ppm)*	38

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