

# Driscoll

## 2020 Grain Sorghum Performance Trial

Brand	Hybrid	Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # per Plant	Lodging (%)	Head Size lb/head	Midge Damage (%)	Iron Chlorosis Rating
Texas A&M AgriLife Research	ATx378xRTx430		46,391	81	0.01	0.0	0.09		
Texas A&M AgriLife Research	ATx399xRTx430	35,937	47,916	60	0.40	0.0	0.07		
Texas A&M AgriLife Research	ATx631xRTx436	9,148	20,038	15	1.23	0.0	0.11		
Pioneer	82P83	44,431	49,223	74	0.12	0.0	0.09		
Pioneer	83G19	43,342	45,302	72	0.06	0.0	0.10		
Pioneer	83P11	51,401	53,143	86	0.05	0.0	0.08		
Pioneer	83P27	49,223	49,223	82	0.02	0.0	0.08		
Integra	G3620		51,619	87	0.01	0.0	0.08		
Integra	G3630	42,689	46,827	71	0.12	0.0	0.09		
Integra	G3665		48,569	89	0.00	0.0	0.09		
Integra	G3711	32,017	44,213	53	0.45	0.0	0.09		
Golden Acres	3020B	38,768	46,609	65	0.22	0.0	0.10		
Golden Acres	3180B		51,401	86	0.05	0.0	0.08		
Gayland Ward	18057		43,996	76	0.01	0.0	0.09		
Gayland Ward	19016		34,630	58	0.06	0.0	0.11		
Gayland Ward	19017	26,354	32,234	44	0.24	0.0	0.08		
Dyna-Gro	GX19981	34,195	50,094	57	0.49	0.0	0.07		
Dyna-Gro	M60GB31	42,907	46,174	72	0.11	0.0	0.09		
Dyna-Gro	M62GB77		46,609	83	0.01	0.0	0.10		
Dyna-Gro	M69GB38	37,897	42,035	63	0.11	0.0	0.09		
Dyna-Gro	M69GR88		43,560	73	0.06	0.0	0.09		



TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

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Dyna-Gro	M71GR91	40,946	45,302	68	0.13	0.0	0.09		
Dyna-Gro	M72GB71	43,560	43,996	73	0.04	0.0	0.11		
Dyna-Gro	M74GB17	37,026	42,907	62	0.16	0.0	0.08		
DEKALB	DKS 36-07		44,431	76	0.05	0.0	0.10		
DEKALB	DKS 44-07		46,609	79	0.07	0.0	0.10		
DEKALB	DKS 45-60		46,827	88	0.00	0.0	0.09		
DEKALB	DKS 46-60	47,263	48,569	79	0.07	0.0	0.09		
DEKALB	DKS 54-07	37,897	46,391	63	0.29	0.0	0.08		
Alta Seeds	ADV G2275	41,818	43,996	70	0.06	0.0	0.09		



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Mean	42,093	44,961	70	0.16	0.0	0.09		
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Agronomic information	
Plant Date	2/25/2020
Harvest Date	7/8/2020
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	60,000
Precipitation (in)	11.75
Irrigation (in)	
Herbicide	Applied 1 qt/ac Atrex Dec 2019. 10 oz/ac Outlook 2/13/20. Dual & atrazine applied 3/17/20.

Trial Notes

**Cooperator:** McNair Farms

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

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

Soil Type	Clay
Tillage	Conventional
Previous Crop	Cotton

Fertilizer Applied		Soil Analysis Report**	
N (lb/ac)	98	NO3-N (ppm)	47
P2O5 (lb/ac)	0	P (ppm)*	25
K2O (lb/ac)	0	K (ppm)*	356
S (lb/ac)	6	S (ppm)*	9
Zn (lb/ac)	0		
		pH	7.8
		Conductivity (umho/cm)	290
		Ca (ppm)*	7,171
		Mg (ppm)*	281
		Na (ppm)*	58