TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Driscoll
2020 Grain Sorghum
Performance Trial

TEXAS A&M AGRILIFE

Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
DEKALB	DKS 44-07	72	34	3	0	13.5	59.0	4,716
Dyna-Gro	M62GB77	72	36	4	0	14.2	59.3	4,590
Dyna-Gro	M72GB71	73	38	3	0	13.2	58.5	4,583
Pioneer	82P83	73	39	6	0	14.1	57.7	4,521
Golden Acres	3020B	73	36	3	0	14.0	58.7	4,507
DEKALB	DKS 36-07	71	36	5	0	13.6	58.7	4,458
Pioneer	83G19	72	39	4	0	13.4	56.5	4,406
Integra	G3665	72	37	4	0	13.8	55.7	4,390
DEKALB	DKS 46-60	73	36	5	0	14.2	58.7	4,386
Integra	G3620	72	36	4	0	13.7	58.4	4,309
Golden Acres	3180B	72	36	5	0	13.5	57.4	4,298
DEKALB	DKS 45-60	72	36	4	0	14.6	59.6	4,215
Dyna-Gro	M60GB31	72	35	3	0	12.6	56.5	4,215
Pioneer	83P11	72	38	4	0	14.2	59.1	4,211
Integra	G3630	71	33	4	0	13.1	57.8	4,210
Integra	G3711	73	40	3	0	14.4	57.6	4,137
Gayland Ward	18057	71	39	6	0	13.8	57.3	4,093
Dyna-Gro	M71GR91	73	38	2	0	14.5	57.3	4,082
Texas A&M AgriLife Research	ATx378xRTx430	72	38	6	0	13.4	56.0	4,002
DEKALB	DKS 54-07	74	41	4	0	14.7	57.6	3,933
Pioneer	83P27	72	39	5	0	14.7	57.8	3,891

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

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Gayland Ward	19016	73	39	6	0	14.4	55.3	3,884
Dyna-Gro	M69GR88	72	35	4	0	13.6	56.8	3,833
Alta Seeds	ADV G2275	73	34	3	0	14.5	58.0	3,801
Dyna-Gro	M69GB38	72	36	5	0	13.5	57.0	3,608
Dyna-Gro	GX19981	72	42	6	0	14.3	56.2	3,553
Dyna-Gro	M74GB17	74	37	4	0	13.7	55.6	3,377
Texas A&M AgriLife Research	ATx399xRTx430	72	35	6	0	12.3	54.5	3,348
Gayland Ward	19017	72	40	5	0	12.3	53.9	2,638
Texas A&M AgriLife Research	ATx631xRTx436	73	42	6	0	13.6	54.2	2,250

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	Mean	72	37	4	0.0	13.8	57.2	4,015
	C.V. %	0.9	7.5	45.2		6.6	3.3	9.6
	P>f (hybrid)	0.000	0.000			0.009	0.000	0.000
	L.S.D.	0.9	3.9			1.3	2.7	544.6

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.

Soil Type	Clay
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

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

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:
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979-845-2935 / 979-845-8505

Fertilizer Applied

N (lb/ac)	98
P2O5 (lb/ac)	0
K2O (lb/ac)	0
S (lb/ac)	6
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	47	pH	7.8
P (ppm)*	25	Conductivity (umho/cm)	290
K (ppm)*	356	Ca (ppm)*	7,171
S (ppm)*	9	Mg (ppm)*	281
		Na (ppm)*	58

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