TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Gruver
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 * (bu/acre)
DEKALB	DKS 44-07	67	53	3	0	13.5	61.4	166.5
Golden Acres	3180B	63	52	4	0	10.7	57.9	156.8
DEKALB	DKS 36-07	63	50	3	0	13.8	60.5	144.7
Alta Seeds	ADV G2275	69	53	3	0	15.8	61.1	141.1
Golden Acres	3020B	65	50	3	0	13.5	60.2	140.3
Texas A&M AgriLife Research	ATx378xRTx430	N/A	61	1	0	13.1	59.2	140.1
Dyna-Gro	GX19981	68	50	0	0	14.1	62.3	137.9
Dyna-Gro	M62GB77	63	54	5	0	13.4	61.7	137.5
Integra	G3620	63	51	4	0	14.3	61.2	133.4
Sorghum Partners	SWGS5011	63	52	1	0	13.5	58.6	133.3
Sorghum Partners	SP68M57	64	47	5	0	14.6	60.8	133.3
DEKALB	DKS 46-60	66	53	5	0	13.4	61.2	133.3
Dyna-Gro	M72GB71	66	51	2	0	13.6	60.4	133.0
Dyna-Gro	GX17912	63	53	7	0	12.5	58.4	132.6
Dyna-Gro	M59GB94	62	54	5	0	13.8	61.1	132.6
Integra	G3590	64	54	5	0	12.5	58.9	131.7
Pioneer	83G19	66	51	1	0	13.9	59.9	131.5
Dyna-Gro	M60GB88	63	48	4	0	13.5	59.6	129.0
Dyna-Gro	M71GR91	69	53	1	0	13.4	61.5	128.4
DEKALB	DKS 54-07	69	53	1	0	14.1	60.9	127.9
DEKALB	DKS 45-60	68	48	1	0	14.8	61.2	126.9

*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

Gruver
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 * (bu/acre)
Golden Acres	4880R	68	51	1	0	13.2	60.1	121.5
Dyna-Gro	M60GB31	65	50	3	0	13.9	60.2	119.2
Sorghum Partners	SP43M80	63	48	4	0	13.2	59.6	119.0
Sorghum Partners	SP31A15	60	44	4	0	10.8	56.4	118.0
Dyna-Gro	M69GR88	64	47	0	0	14.5	59.6	114.2
Texas A&M AgriLife Research	ATx399xRTx430	63	45	2	0	13.2	59.5	108.5
Texas A&M AgriLife Research	ATx631xRTx436	72	49	2	0	16.9	58.8	84.1

*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

Gruver
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 * (bu/acre)
	Mean	65	51	3	0.0	13.6	60.1	130.6
	C.V. %	1.9	4.2	44.5		8.5	1.5	12.0
	P>f (hybrid)	0.000	0.000			0.001	0.000	0.025
	L.S.D.	3.1	3.9			2.1	1.7	28.9

Agronomic information

Plant Date	6/9/2020
Harvest Date	10/14/2020
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	60,000
Precipitation (in)	15.89
Irrigation (in)	16

Herbicide

Pre-emerge: Atrazine + Dual + Roundup.
Post-emerge: Husky + Atrazine

Soil Type	Clay loam
Tillage	Conventional, planted on beds
Previous Crop	Wheat

Trial Notes

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

Cooperator: Dustin Borden

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

Fertilizer Applied

N (lb/ac)	120
P2O5 (lb/ac)	0
K2O (lb/ac)	0
S (lb/ac)	0
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	55	pH	7.0
P (ppm)*	102	Conductivity (umho/cm)	439
K (ppm)*	1,013	Ca (ppm)*	2,696
S (ppm)*	21	Mg (ppm)*	714
		Na (ppm)*	24

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