TEXAS A&M UNIVERSITY
Soil & Crop Sciences

College Station
2022 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	66	46	3	0	12.8	57.3	5,051
Golden Acres	3180B	68	48	3	0	11.0	53.7	4,541
Integra	G3665	67	46	2	0	10.8	54.5	4,495
Dyna-Gro	M67GB87	68	50	3	0	11.6	53.6	4,357
DEKALB	DKS 50-07	69	51	4	0	13.1	57.5	4,236
Dyna-Gro	GX22934	68	49	3	0	12.3	57.1	4,160
Dyna-Gro	GX22932	69	53	4	0	11.7	55.9	4,024
Alta Seeds	ADVG 2168IG	66	41	2	0	10.4	54.0	4,005
Dyna-Gro	M71GR91	70	52	3	0	12.9	56.6	3,953
Golden Acres	4880R	71	53	2	0	13.1	57.7	3,811
DEKALB	DKS 40-76	68	48	4	0	11.7	56.1	3,786
Integra	G3711	71	51	2	0	12.5	57.2	3,661
DEKALB	DKS 54-07	70	50	2	0	11.4	55.5	3,600
DEKALB	DKS 45-60	68	47	5	0	12.3	57.9	3,594
Dyna-Gro	M63GB78	66	49	4	0	12.0	54.9	3,561
Dyna-Gro	M72GB71	72	52	3	0	12.2	56.6	3,526
Dyna-Gro	M59GB94	61	46	4	0	11.9	56.2	3,346
Dyna-Gro	GX21965	71	47	2	0	11.1	53.8	2,732
Scott Seed	S75A60	73	54	2	0	12.3	56.7	2,584
Dyna-Gro	M60GB31	69	48	3	0	12.0	55.3	2,502
Clemson	CU19S427	75	50	2	0	13.0	55.1	1,923

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

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Scott Seed	S78A30	70	49	2	0	12.2	55.7	1,914
Alta Seeds	ADVG 2165	72	45	1	0	9.9	51.7	1,732
Clemson	CU16S159	71	59	4	0	13.1	56.0	1,549
Scott Seed	S75N75	68	58	5	0	12.0		1,122
Scott Seed	S75N495	76	52	2	0	14.3	55.9	1,117

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Mean		69	50	3	0.0	12.1	55.7	3,265
C.V. %		1.7	4.7	36.8		7.3	2.1	17.8
P>f (hybrid)		0.000	0.000			0.000	0.000	0.000
L.S.D.		1.7	3.3			1.2	1.8	820.8

Agronomic information

Plant Date	4/6/2022
Harvest Date	8/26/2022
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	80,000
Precipitation (in)	15.1
Irrigation (in)	

Herbicide

1.5 pt/ac Dual + 3 pt/ac Atrazine post plant

Soil Type	Weswood silty clay loam
Tillage	Chiseled, disked, bedded
Previous Crop	Corn

Trial Notes

*6/20/22 sprayed with 1.3 oz/ac Tombstone + 4 oz/ac Sivanto Prime

Cooperator: Texas A&M AgriLife Research

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

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

Fertilizer Applied

N (lb/ac)	100
P2O5 (lb/ac)	0
K2O (lb/ac)	0
S (lb/ac)	0
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	7	pH	7.9
P (ppm)*	28	Conductivity (umho/cm)	129
K (ppm)*	139	Ca (ppm)*	3,707
S (ppm)*	8	Mg (ppm)*	151
		Na (ppm)*	10

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