

Greenville

2022 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)
Dyna-Gro	GX22934	67	50	0	0	9.6	58.2	4,691
DEKALB	DKS 54-07	68	51	1	0	10.1	57.7	4,664
DEKALB	DKS 40-76	65	47	4	0	9.3	58.2	4,469
Dyna-Gro	GX21965	67	48	2	0	8.8	56.7	4,414
DEKALB	DKS 45-60	65	47	2	0	9.4	57.9	4,360
DEKALB	DKS 36-07	63	47	2	0	8.4	57.2	4,336
DEKALB	DKS 50-07	66	49	2	0	9.6	58.6	4,304
DEKALB	DKS 44-07	67	45	0	0	8.6	57.8	4,276
Dyna-Gro	M71GR91	68	48	0	0	9.2	58.0	4,220
Dyna-Gro	M63GB78	64	47	2	0	8.1	56.7	3,912
Dyna-Gro	M67GB87	66	48	1	0	8.3	55.9	3,895
Dyna-Gro	GX22932	67	49	2	0	9.7	57.2	3,699
Dyna-Gro	M60GB31	66	45	1	0	9.1	58.2	3,691
Dyna-Gro	M72GB71	69	47	1	0	9.2	58.2	3,615
Dyna-Gro	M59GB94	62	52	5	0	7.8	56.5	3,389
Scott Seed	S75A60	69	47	1	0	9.6	57.7	3,164
Alta Seeds	ADVG 2168IG	63	44	3	0	7.6	53.8	2,922
Alta Seeds	ADVG 2165	66	46	2	0	8.0	55.6	2,919
Scott Seed	S75N495	70	48	1	0	9.7	56.3	2,727
Scott Seed	S78A30	67	44	0	0	9.2	56.7	2,674
Scott Seed	S75N75	66	52	2	0	9.5	57.1	2,446

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



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Agronomic information

Plant Date	4/15/2022
Harvest Date	9/13/2022
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	22.7
Irrigation (in)	
Herbicide	
1 qt/ac Atrazine pre-plant 1 qt/ac Atrazine post	
Soil Type	Houston Black clay
Tillage	Conventional
Previous Crop	Wheat

Mean	66	48	1	0.0	9.0	57.1	3,752
C.V. %	1.3	3.8	64.3		9.0	1.4	10.2
P>f (hybrid)	0.000	0.000			0.001	0.000	0.000
L.S.D.	1.2	2.6			1.2	1.2	545.4

Trial Notes

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

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)	127	NO3-N (ppm)	33	pH	5.8
P2O5 (lb/ac)	69	P (ppm)*	37	Conductivity (umho/cm)	205
K2O (lb/ac)	0	K (ppm)*	280	Ca (ppm)*	5,159
S (lb/ac)	0	S (ppm)*	9	Mg (ppm)*	335
Zn (lb/ac)				Na (ppm)*	61

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