

Gregory 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)
Integra	G3665	66	47	4	0	14.5	59.4	4,736
Dyna-Gro	GX21965	70	48	3	0	15.4	60.7	4,683
DEKALB	DKS 44-07	68	45	3	0	14.9	61.1	4,672
Dyna-Gro	M67GB87	68	50	4	0	14.4	59.7	4,344
DEKALB	DKS 50-07	69	50	4	0	15.4	61.7	4,253
Golden Acres	3180B	67	45	4	0	14.5	59.6	4,198
DEKALB	DKS 36-07	63	49	6	0	14.9	60.9	4,171
Dyna-Gro	GX22934	68	50	3	0	15.3	60.8	4,076
Dyna-Gro	M60GB31	68	45	4	0	15.1	61.2	4,067
Dyna-Gro	GX22932	67	52	4	0	15.5	61.4	4,032
DEKALB	DKS 54-07	70	52	3	0	15.0	60.9	4,009
DEKALB	DKS 40-76	63	47	6	0	15.1	60.4	4,001
DEKALB	DKS 45-60	67	48	6	0	15.5	61.9	3,969
Scott Seed	S75N495	N/A	53	4	0	14.9	60.1	3,810
Alta Seeds	ADVG 2165	70	47	2	0	15.4	61.0	3,778
Integra	G3711	70	51	3	0	15.2	61.3	3,737
Scott Seed	S75N75	67	55	5	0	15.0	61.5	3,703
Dyna-Gro	M71GR91	70	49	3	0	14.9	60.3	3,635
Scott Seed	S78A30	68	46	2	0	15.4	60.5	3,579
Dyna-Gro	M63GB78	64	45	4	0	14.8	59.5	3,496
Golden Acres	4880R	70	50	4	0	14.9	60.7	3,491

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

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Dyna-Gro	M72GB71	70	49	2	0	15.1	61.7	3,450
Alta Seeds	ADVG 2168IG	66	41	4	0	14.9	60.4	3,392
Dyna-Gro	M59GB94	62	48	7	0	14.7	60.3	3,080
Scott Seed	S75A60	70	51	2	0	15.0	61.7	2,794

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Agronomic information	
Plant Date	3/7/2022
Harvest Date	7/14/2022
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	60,000
Precipitation (in)	4.3
Irrigation (in)	
Herbicide	
12.8 oz/ac Outlook + 1 lb/ac Atrazine	
Soil Type	Victoria clay
Tillage	Conventional
Previous Crop	Cotton

Mean	68	48	4	0.0	15.0	60.7	3,886
C.V. %	1.9	3.7	27.6		3.2	1.7	9.8
P>f (hybrid)	0.000	0.000			0.037	0.011	0.000
L.S.D.	1.8	2.5			0.7	1.4	539.1

Trial Notes
* Test plot was sprayed for aphids with Transform

Cooperator:	Joel Hoskinson
<p>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:</p> <p>Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@agnet.tamu.edu / katrina.horn@agnet.tamu.edu 979-845-2935 / 979-845-8505</p>	

* 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)	92	NO3-N (ppm)	39	pH	7.8
P2O5 (lb/ac)	0	P (ppm)*	13	Conductivity (umho/cm)	166
K2O (lb/ac)	0	K (ppm)*	389	Ca (ppm)*	7,050
S (lb/ac)	13	S (ppm)*	15	Mg (ppm)*	383
Zn (lb/ac)	0			Na (ppm)*	169

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Brand	Hybrid	Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # per Plant	Lodging (%)	Head Size lb/head	Weathering Rating (0-9)	Iron Chlorosis Rating
Scott Seed	S75A60		41,600	71	0.03	0.0	0.07		
Scott Seed	S75N495	40,946	42,471	68	0.04	0.0	0.09		
Scott Seed	S75N75	33,759	36,155	56	0.07	0.0	0.10		
Scott Seed	S78A30		45,085	84	0.00	0.0	0.08		
Integra	G3665		52,054	89	0.02	0.0	0.09		
Integra	G3711		47,263	79	0.02	0.0	0.08		
Golden Acres	3180B		53,579	91	0.00	0.0	0.08		
Golden Acres	4880R		42,907	72	0.01	0.0	0.08		
Dyna-Gro	GX21965	47,045	49,658	78	0.11	0.0	0.09		
Dyna-Gro	GX22932	40,946	42,253	68	0.06	0.0	0.10		
Dyna-Gro	GX22934	45,956	47,263	77	0.07	0.0	0.09		
Dyna-Gro	M59GB94		43,124	84	0.00	0.0	0.07		
Dyna-Gro	M60GB31	43,342	44,867	72	0.05	0.0	0.09		
Dyna-Gro	M63GB78	49,876	50,965	83	0.03	0.0	0.07		
Dyna-Gro	M67GB87	42,035	49,005	70	0.18	0.0	0.09		
Dyna-Gro	M71GR91	40,075	43,778	67	0.15	0.0	0.08		
Dyna-Gro	M72GB71		44,649	75	0.02	0.0	0.08		
DEKALB	DKS 36-07		52,054	89	0.00	0.0	0.08		
DEKALB	DKS 40-76		52,054	89	0.01	0.0	0.08		
DEKALB	DKS 44-07		47,916	81	0.03	0.0	0.10		
DEKALB	DKS 45-60		49,658	84	0.02	0.0	0.08		
DEKALB	DKS 50-07		53,361	91	0.01	0.0	0.08		



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

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DEKALB	DKS 54-07	45,738	48,787	76	0.07	0.0	0.08		
Alta Seeds	ADVG 2165		37,897	66	0.01	0.0	0.10		
Alta Seeds	ADVG 2168IG		49,005	82	0.03	0.0	0.07		



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Mean	46,670	46,696	78	0.04	0.0	0.08		
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Agronomic information

Plant Date

Harvest Date

Irrigated

Row Spacing (in)

Number of Rows

Target Seeds per Acre

Precipitation (in)

Irrigation (in)

Herbicide

12.8 oz/ac Outlook + 1 lb/ac Atrazine

Soil Type

Tillage

Previous Crop

Trial Notes

* Test plot was sprayed for aphids with Transform

Cooperator:

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