

## Gregory 2023 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	GX22937	71	51	7	0	16.8	57.4	7,703
Dyna-Gro	M71GR91	71	52	6	0	16.9	58.5	7,427
Dyna-Gro	GX22932	70	52	6	0	17.1	58.1	7,407
DEKALB	DKS 50-07	70	50	7	0	17.3	59.3	7,404
Integra	G3711	70	52	7	0	17.3	58.6	7,396
DEKALB	DKS 44-07	70	50	10	0	17.3	58.5	7,258
Dyna-Gro	M72GB71	71	51	6	0	16.4	58.0	7,203
Golden Acres	4880R	71	53	6	0	16.9	58.1	7,195
DEKALB	DKS 54-07	72	53	8	0	17.1	58.0	7,100
Dyna-Gro	M67GB87	68	49	6	0	16.9	56.1	7,061
Integra	G3640	68	50	10	0	17.0	58.6	7,040
DEKALB	DKS 45-60	69	53	11	0	15.0	54.3	6,993
Dyna-Gro	GX22934	70	52	8	0	17.3	59.4	6,977
Dyna-Gro	GX22936	67	50	10	0	18.2	57.4	6,977
Scott Seed	S75N495	74	53	5	0	17.3	57.8	6,598
Integra	G3665	69	49	8	0	16.3	56.6	6,572
DEKALB	DKS 40-76	67	50	10	0	17.2	58.3	6,521
Scott Seed	S75A60	70	49	5	0	17.6	58.4	6,333
Dyna-Gro	M63GB78	68	49	10	0	17.3	58.0	6,043
Innvictis	X166R23	71	49	6	0	17.1	58.1	5,935
Dyna-Gro	M60GB31	68	44	6	0	17.1	58.1	5,925

\*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	69	49	5	0	17.2	57.1	5,668
Golden Acres	3070R	70	49	6	0	16.8	59.1	5,541
Scott Seed	S75N75	69	53	8	0	17.6	58.1	5,098

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Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)	
<b>Agronomic information</b>		Mean	70	51	7	0.0	17.0	57.9	6,724
Plant Date	2/28/2023	C.V. %	1.1	2.8	22.3		7.7	3.5	7.4
Harvest Date	7/7/2023	P>f (hybrid)	0.000	0.000			0.687	0.353	0.000
Irrigated	No	L.S.D.	1.1	2.0					713.5
Row Spacing (in)	30	<b>Trial Notes</b>							
Number of Rows	2	<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>							<b>Cooperator:</b> Joel Hoskinson
Target Seeds per Acre	60,000								<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>
Precipitation (in)	14.06	<p>* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer</p>							
Irrigation (in)		<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>					
Herbicide		N (lb/ac)		NO3-N (ppm)	69	pH		7.7	
		P2O5 (lb/ac)		P (ppm)*	31	Conductivity (umho/cm)		218	
Soil Type	Victoria clay	K2O (lb/ac)		K (ppm)*	381	Ca (ppm)*		8,245	
Tillage		S (lb/ac)		S (ppm)*	59	Mg (ppm)*		364	
Previous Crop		Zn (lb/ac)				Na (ppm)*		129	

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

## Gregory 2023 Grain Sorghum Performance Trial

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	53,143	62,726	89	0.19	0.0	0.10		
Scott Seed	S75N495		54,450	93	0.02	0.0	0.12		
Scott Seed	S75N75	35,284	48,134	59	0.36	0.0	0.11		
Scott Seed	S78A30	38,333	50,530	64	0.32	0.0	0.11		
Integra	G3640	57,281	63,815	95	0.11	0.0	0.11		
Integra	G3665	57,499	68,171	96	0.19	0.0	0.10		
Integra	G3711	54,668	61,420	91	0.12	0.0	0.12		
Innvictis	X166R23	41,818	48,569	70	0.16	0.0	0.12		
Golden Acres	3070R	41,818	45,738	70	0.14	0.0	0.12		
Golden Acres	4880R	52,562	58,080	88	0.19	0.0	0.12		
Dyna-Gro	GX22932	50,094	63,815	83	0.28	0.0	0.12		
Dyna-Gro	GX22934	55,539	61,855	93	0.11	0.0	0.11		
Dyna-Gro	GX22936	50,965	61,420	85	0.21	0.0	0.11		
Dyna-Gro	GX22937	50,965	66,647	85	0.31	0.0	0.12		
Dyna-Gro	M60GB31	51,401	56,410	86	0.14	0.0	0.11		
Dyna-Gro	M63GB78	44,213	60,331	74	0.37	0.0	0.10		
Dyna-Gro	M67GB87	51,110	69,986	85	0.37	0.0	0.10		
Dyna-Gro	M71GR91	53,797	63,162	90	0.18	0.0	0.12		
Dyna-Gro	M72GB71	51,110	54,305	85	0.07	0.0	0.13		
DEKALB	DKS 40-76	54,886	59,895	91	0.09	0.0	0.11		
DEKALB	DKS 44-07	55,103	67,954	92	0.24	0.0	0.11		
DEKALB	DKS 45-60	52,925	60,331	88	0.14	0.0	0.12		



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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
DEKALB	DKS 50-07	53,579	64,033	89	0.19	0.0	0.12		
DEKALB	DKS 54-07	52,490	61,420	87	0.18	0.0	0.12		



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## 2023 Grain Sorghum Performance Trial



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
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Mean	50,672	59,717	84	0.19	0.0	0.11		
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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:

Soil Type:

Tillage:

Previous Crop:

Trial Notes

**Cooperator:**

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 planting date through the harvest date. For additional information contact:

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ronnie.schnell@agnet.tamu.edu / katrina.horn@agnet.tamu.edu  
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		Soil Analysis Report**			
N (lb/ac)	<input type="text"/>	NO3-N (ppm)	69	pH	7.7
P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	31	Conductivity (umho/cm)	218
K2O (lb/ac)	<input type="text"/>	K (ppm)*	381	Ca (ppm)*	8,245
S (lb/ac)	<input type="text"/>	S (ppm)*	59	Mg (ppm)*	364
Zn (lb/ac)	<input type="text"/>			Na (ppm)*	129

# Grain Sorghum

## Gregory

### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 44-07	5,965	6,002
Bayer	DEKALB	DKS 50-07	5,829	5,797
Nutrien Ag	Dyna-Gro	GX22932	5,720	
Nutrien Ag	Dyna-Gro	M67GB87	5,703	5,435
Wilbur-Ellis Company	Integra	G3665	5,654	5,553
Wilbur-Ellis Company	Integra	G3711	5,567	5,695
Bayer	DEKALB	DKS 54-07	5,554	5,750
Nutrien Ag	Dyna-Gro	M71GR91	5,531	5,537
Nutrien Ag	Dyna-Gro	GX22934	5,526	
Bayer	DEKALB	DKS 45-60	5,481	5,586
LG Seeds	Golden Acres	4880R	5,343	
Nutrien Ag	Dyna-Gro	M72GB71	5,326	5,377
Bayer	DEKALB	DKS 40-76	5,261	5,343
Scott Seed Company	Scott Seed	S75N495	5,204	
Nutrien Ag	Dyna-Gro	M60GB31	4,996	
Nutrien Ag	Dyna-Gro	M63GB78	4,770	5,026
Scott Seed Company	Scott Seed	S78A30	4,623	
Scott Seed Company	Scott Seed	S75A60	4,564	
Scott Seed Company	Scott Seed	S75N75	4,400	

Evaluation of yield across years and/or locations will provide the best indication of consistent hybrid performance. Only hybrids with two years data at each location are displayed.