

Driscoll

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)
DEKALB	DKS 50-07	74	50	8	0	13.5	57.2	5,595
Integra	G3640	73	47	10	0	14.5	58.5	5,337
Dyna-Gro	M67GB87	74	50	7	0	14.0	57.7	5,217
Dyna-Gro	GX22932	N/A	50	7	0	14.4	58.7	5,145
DEKALB	DKS 44-07	73	48	9	0	15.0	59.3	5,115
DEKALB	DKS 54-07	75	51	8	0	16.1	58.8	5,098
Dyna-Gro	GX22937	74	50	9	0	15.0	58.2	5,092
Dyna-Gro	GX22936	72	47	10	0	13.8	58.4	5,076
Dyna-Gro	M72GB71	74	49	7	0	13.7	57.1	5,052
Integra	G3711	75	50	8	0	15.6	58.4	5,018
Dyna-Gro	M71GR91	75	52	9	0	15.2	58.0	4,918
Dyna-Gro	GX22934	73	51	9	0	14.7	60.4	4,840
Dyna-Gro	M63GB78	72	45	9	0	14.4	58.5	4,689
DEKALB	DKS 40-76	72	46	10	0	14.7	60.1	4,638
DEKALB	DKS 45-60	72	50	10	0	14.3	60.2	4,631
Dyna-Gro	M60GB31	73	42	5	0	16.2	58.5	4,547
Integra	G3665	72	48	8	0	13.4	57.7	4,354
Warner Seed	P22687	74	49	8	0	13.9	56.0	4,214

*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:

Harvest Date:

Irrigated:

Row Spacing (in):

Number of Rows:

Target Seeds per Acre:

Precipitation (in):

Irrigation (in):

Herbicide:

Mean	73	49	8	0.0	14.6	58.4	4,921
C.V. %	0.8	3.0	14.1		6.6	2.9	10.5
P>f (hybrid)	0.001	0.000	0.000		0.011	0.081	0.000
L.S.D.	1.3	2.1	1.7		1.4		480.2

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:

Dr. Ronnie Schnell / Katrina Horn
ronnie.schnell@ag.tamu.edu / katrina.horn@ag.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)	<input type="text" value="40"/>
P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	<input type="text" value="26"/>
K2O (lb/ac)	<input type="text"/>	K (ppm)*	<input type="text" value="667"/>
S (lb/ac)	<input type="text"/>	S (ppm)*	<input type="text" value="69"/>
Zn (lb/ac)	<input type="text"/>		
		pH	<input type="text" value="7.7"/>
		Conductivity (umho/cm)	<input type="text" value="240"/>
		Ca (ppm)*	<input type="text" value="11,706"/>
		Mg (ppm)*	<input type="text" value="466"/>
		Na (ppm)*	<input type="text" value="76"/>

Soil Type:

Tillage:

Previous Crop:

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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
Warner Seed	P22687	47,335	47,916	79	0.03	0.0	0.09		
Integra	G3640	51,183	53,361	85	0.04	0.0	0.10		
Integra	G3665	50,820	55,757	85	0.11	0.0	0.08		
Integra	G3711	43,342	47,480	72	0.14	0.0	0.10		
Dyna-Gro	GX22932	39,204	47,045	65	0.15	0.0	0.11		
Dyna-Gro	GX22934	48,352	50,094	81	0.11	0.0	0.09		
Dyna-Gro	GX22936	48,569	50,965	81	0.05	0.0	0.10		
Dyna-Gro	GX22937	42,398	46,464	71	0.10	0.0	0.11		
Dyna-Gro	M60GB31	48,352	49,223	81	0.04	0.0	0.10		
Dyna-Gro	M63GB78	35,937	44,867	60	0.26	0.0	0.10		
Dyna-Gro	M67GB87	41,818	49,223	70	0.22	0.0	0.11		
Dyna-Gro	M71GR91	44,649	46,174	74	0.12	0.0	0.10		
Dyna-Gro	M72GB71	41,382	43,124	69	0.04	0.0	0.10		
DEKALB	DKS 40-76	49,078	51,982	82	0.06	0.0	0.09		
DEKALB	DKS 44-07	52,925	55,321	88	0.06	0.0	0.09		
DEKALB	DKS 45-60	47,916	49,223	80	0.14	0.0	0.10		
DEKALB	DKS 50-07	51,183	55,539	85	0.13	0.0	0.10		
DEKALB	DKS 54-07		44,722	76	0.04	0.0	0.11		



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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
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Mean	46,113	49,360	77	0.10	0.0	0.10		
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Agronomic information

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Irrigated:

Row Spacing (in):

Number of Rows:

Target Seeds per Acre:

Precipitation (in):

Irrigation (in):

Herbicide:

Soil Type:

Tillage:

Previous Crop:

Trial Notes

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K2O (lb/ac)	<input type="text"/>	K (ppm)*	<input type="text" value="667"/>	Ca (ppm)*	<input type="text" value="11,706"/>
S (lb/ac)	<input type="text"/>	S (ppm)*	<input type="text" value="69"/>	Mg (ppm)*	<input type="text" value="466"/>
Zn (lb/ac)	<input type="text"/>			Na (ppm)*	<input type="text" value="76"/>

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Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 50-07	4,784	4,694
Nutrien Ag	Dyna-Gro	GX22932	4,693	
Bayer	DEKALB	DKS 44-07	4,617	4,691
Nutrien Ag	Dyna-Gro	M60GB31	4,534	
Bayer	DEKALB	DKS 54-07	4,494	4,446
Nutrien Ag	Dyna-Gro	M67GB87	4,477	4,394
Bayer	DEKALB	DKS 45-60	4,455	4,347
Nutrien Ag	Dyna-Gro	GX22934	4,420	
Wilbur-Ellis Company	Integra	G3711	4,334	4,566
Nutrien Ag	Dyna-Gro	M71GR91	4,333	4,638
Nutrien Ag	Dyna-Gro	M72GB71	4,115	3,907
Wilbur-Ellis Company	Integra	G3665	4,029	4,365
Bayer	DEKALB	DKS 40-76	3,895	4,140
Nutrien Ag	Dyna-Gro	M63GB78	3,769	3,835

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.