

Rosenberg

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	M72GB71	76	59	8	0	15.2	59.3	8,507
Dyna-Gro	GX22934	76	61	7	0	13.6	57.6	8,435
DEKALB	DKS 54-07	77	61	8	0	14.0	58.1	8,362
Dyna-Gro	M67GB87	75	59	7	0	14.1	57.4	8,289
DEKALB	DKS 44-07	75	58	9	0	14.2	58.2	8,159
Dyna-Gro	GX22937	75	58	8	0	13.8	58.1	8,158
Dyna-Gro	GX22932	75	59	7	0	13.6	57.3	8,018
DEKALB	DKS 45-60	74	56	9	0	15.0	59.0	7,990
Dyna-Gro	M71GR91	77	62	7	0	14.9	58.4	7,984
DEKALB	DKS 50-07	77	60	8	0	14.0	57.2	7,902
Dyna-Gro	GX22936	73	52	8	0	13.3	57.5	7,697
DEKALB	DKS 40-76	74	55	9	0	13.8	57.7	7,613
Dyna-Gro	M63GB78	72	51	6	0	14.4	54.4	7,111
Dyna-Gro	M60GB31	75	51	7	0	14.2	57.5	6,966

*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	75	57	8	0.0	14.2	57.7	7,942
C.V. %	1.4	2.3	21.4		6.9	3.4	5.4
P>f (hybrid)	0.000	0.000			0.404	0.541	0.003
L.S.D.	1.5	1.9					604.8

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="18"/> pH <input type="text" value="5.6"/>
P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	<input type="text" value="86"/> Conductivity (umho/cm) <input type="text" value="86"/>
K2O (lb/ac)	<input type="text"/>	K (ppm)*	<input type="text" value="212"/> Ca (ppm)* <input type="text" value="3,954"/>
S (lb/ac)	<input type="text"/>	S (ppm)*	<input type="text" value="41"/> Mg (ppm)* <input type="text" value="667"/>
Zn (lb/ac)	<input type="text"/>		Na (ppm)* <input type="text" value="24"/>

Soil Type:

Tillage:

Previous Crop:

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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
Dyna-Gro	GX22932	51,728	66,792	80	0.30	0.0	0.12		
Dyna-Gro	GX22934	53,906	61,347	83	0.14	0.0	0.14		
Dyna-Gro	GX22936	56,084	61,347	86	0.10	0.0	0.13		
Dyna-Gro	GX22937	51,728	61,166	80	0.19	0.0	0.13		
Dyna-Gro	M60GB31	52,998	58,443	82	0.15	0.0	0.12		
Dyna-Gro	M63GB78	44,831	60,077	69	0.34	0.0	0.12		
Dyna-Gro	M67GB87	49,731	60,077	77	0.21	0.0	0.14		
Dyna-Gro	M71GR91	56,084	58,806	86	0.05	0.0	0.14		
Dyna-Gro	M72GB71	52,998	54,087	82	0.04	0.0	0.16		
DEKALB	DKS 40-76	59,351	64,977	91	0.10	0.0	0.12		
DEKALB	DKS 44-07	60,803	66,792	94	0.10	0.0	0.12		
DEKALB	DKS 45-60	53,724	60,258	83	0.12	0.0	0.13		
DEKALB	DKS 50-07	57,536	62,799	89	0.12	0.0	0.13		
DEKALB	DKS 54-07	54,269	58,443	83	0.08	0.0	0.14		

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Mean	53,983	61,101	83	0.15	0.0	0.13		
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Agronomic information	
Plant Date	3/9/2023
Harvest Date	7/13/2023
Irrigated	No
Row Spacing (in)	36
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	16.96
Irrigation (in)	
Herbicide	
Soil Type	Lake Charles clay
Tillage	Conventional
Previous Crop	

Trial Notes

Cooperator: Allen Stasney

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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Fertilizer Applied		Soil Analysis Report**	
N (lb/ac)		NO3-N (ppm)	18
P2O5 (lb/ac)		P (ppm)*	86
K2O (lb/ac)		K (ppm)*	212
S (lb/ac)		S (ppm)*	41
Zn (lb/ac)			
		pH	5.6
		Conductivity (umho/cm)	86
		Ca (ppm)*	3,954
		Mg (ppm)*	667
		Na (ppm)*	24