

# Driscoll

## 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	GX21965	74	45	3	0	13.9	62.0	4,675
Dyna-Gro	GX22932	74	50	4	0	14.2	60.9	4,300
DEKALB	DKS 44-07	74	45	3	0	13.7	62.2	4,298
Dyna-Gro	M60GB31	74	43	4	0	14.9	61.8	4,281
DEKALB	DKS 54-07	76	47	2	0	14.4	61.8	4,254
DEKALB	DKS 45-60	74	47	7	0	14.1	62.7	4,237
Dyna-Gro	GX22934	75	46	2	0	14.4	62.5	4,216
Dyna-Gro	M71GR91	75	49	3	0	14.0	62.3	4,192
DEKALB	DKS 50-07	75	48	5	0	15.1	61.8	4,007
Integra	G3711	75	46	3	0	13.9	62.2	3,951
Integra	G3665	74	44	4	0	13.4	59.7	3,849
Dyna-Gro	M72GB71	74	46	2	0	14.6	60.9	3,710
Alta Seeds	ADVG 2165	75	46	2	0	13.8	60.5	3,521
Dyna-Gro	M67GB87	74	45	3	0	13.4	59.9	3,516
Dyna-Gro	M63GB78	74	45	5	0	13.4	60.6	3,238
DEKALB	DKS 40-76	74	44	5	0	13.5	61.2	3,138
DEKALB	DKS 36-07	74	44	5	0	13.7	61.4	3,041
Alta Seeds	ADVG 2168IG	74	40	4	0	14.5	60.2	3,011
Dyna-Gro	M59GB94	74	46	6	0	13.4	60.7	2,653

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



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<b>Agronomic information</b>		Mean	74	46	4	0.0	61.3	3,794
Plant Date	3/4/2022	C.V. %	0.9	4.9	25.7	5.1	2.1	8.6
Harvest Date	7/13/2022	P>f (hybrid)	0.002	0.000	0.000	0.106	0.084	0.000
Irrigated	No	L.S.D.	1.0	3.2	1.3			542.1
Row Spacing (in)	30	<b>Trial Notes</b>						
Number of Rows	2	<p><b>Cooperator:</b> McNair Farms</p> <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 &lt; 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>						
Target Seeds per Acre	60,000							
Precipitation (in)	4.7							
Irrigation (in)								
Herbicide		* Mehlich 3 by ICP, soiltesting.tamu.edu		** Samples collected at planting, some locations may have applied fertilizer				
Soil Type	Victoria clay	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Tillage	Conventional	N (lb/ac)		NO3-N (ppm)	37	pH		7.8
Previous Crop	Cotton	P2O5 (lb/ac)		P (ppm)*	15	Conductivity (umho/cm)		231
		K2O (lb/ac)		K (ppm)*	411	Ca (ppm)*		5,749
		S (lb/ac)		S (ppm)*	12	Mg (ppm)*		281
		Zn (lb/ac)				Na (ppm)*		44

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

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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
Integra	G3665		45,085	80	0.00	0.0	0.08		
Integra	G3711	35,501	37,462	59	0.10	0.0	0.10		
Dyna-Gro	GX21965		43,996	74	0.04	0.0	0.10		
Dyna-Gro	GX22932	42,689	43,342	71	0.04	0.0	0.10		
Dyna-Gro	GX22934		37,679	66	0.01	0.0	0.10		
Dyna-Gro	M59GB94		45,302	76	0.03	0.0	0.06		
Dyna-Gro	M60GB31	38,333	38,551	64	0.03	0.0	0.10		
Dyna-Gro	M63GB78		43,342	73	0.03	0.0	0.08		
Dyna-Gro	M67GB87	42,907	43,124	72	0.08	0.0	0.09		
Dyna-Gro	M71GR91	32,670	34,630	54	0.08	0.0	0.09		
Dyna-Gro	M72GB71		40,511	74	0.00	0.0	0.09		
DEKALB	DKS 36-07	38,333	40,511	64	0.09	0.0	0.07		
DEKALB	DKS 40-76		31,799	63	0.01	0.0	0.10		
DEKALB	DKS 44-07	31,581	35,501	53	0.14	0.0	0.10		
DEKALB	DKS 45-60	43,778	43,996	73	0.03	0.0	0.09		
DEKALB	DKS 50-07		39,640	70	0.00	0.0	0.09		
DEKALB	DKS 54-07	41,818	43,124	70	0.04	0.0	0.10		
Alta Seeds	ADVG 2165	30,710	33,977	51	0.14	0.0	0.09		
Alta Seeds	ADVG 2168IG		43,124	79	0.01	0.0	0.07		



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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	40,614	40,247	68	0.05	0.0	0.09		
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Agronomic information	
Plant Date	3/4/2022
Harvest Date	7/13/2022
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	60,000
Precipitation (in)	4.7
Irrigation (in)	
Herbicide	
Soil Type	Victoria clay
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

**Cooperator:** McNair Farms

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)		NO3-N (ppm)	37
P2O5 (lb/ac)		P (ppm)*	15
K2O (lb/ac)		K (ppm)*	411
S (lb/ac)		S (ppm)*	12
Zn (lb/ac)			
		pH	7.8
		Conductivity (umho/cm)	231
		Ca (ppm)*	5,749
		Mg (ppm)*	281
		Na (ppm)*	44