

## Driscoll

### 2021 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	M71GR91	73	51	5	0	12.5	57.5	5,248
Integra	G3665	70	47	9	0	13.1	53.9	5,037
Integra	G3711	74	52	5	0	13.3	59.1	5,030
Dyna-Gro	GX20998	70	48	11	0	12.7	57.5	4,932
Pioneer	82P83	72	49	7	0	11.5	53.7	4,896
DEKALB	DKS 44-07	73	49	6	0	13.0	54.9	4,837
Alta Seeds	ADV G2275	72	47	7	0	13.0	58.4	4,781
DEKALB	DKS 36-07	70	47	9	0	11.9	58.0	4,646
DEKALB	DKS 40-76	71	47	9	0	13.3	55.4	4,629
DEKALB	DKS 50-07	74	51	7	0	13.4	58.7	4,513
Pioneer	83P11	72	47	7	0	11.5	56.0	4,395
DEKALB	DKS 54-07	74	53	5	0	13.9	55.2	4,349
Dyna-Gro	GX20970	74	48	6	0	12.7	54.5	4,340
Dyna-Gro	M67GB87	72	48	6	0	12.3	57.3	4,226
DEKALB	DKS 45-60	73	52	12	0	12.9	58.3	4,131
Texas A&M AgriLife Research	ATx631xRTx436	72	53	7	0	12.8	56.3	4,041
Dyna-Gro	M63GB78	70	48	10	0	12.8	55.0	3,967
Golden Acres	3180B	71	46	5	0	12.8	53.9	3,770
Dyna-Gro	M72GB71	73	48	4	0	12.8	57.4	3,490
Integra	G3620	70	48	10	0	12.9	55.1	3,349
Dyna-Gro	GX21965	74	47	3	0	14.5	54.8	2,590

\*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	72	49	7	0.0	56.2	4,343
Plant Date	3/2/2021	C.V. %	1.1	4.1	25.3	12.8	2.8	16.9
Harvest Date	7/19/2021	P>f (hybrid)	0.000	0.000		10.4	0.000	0.002
Irrigated	No	L.S.D.	1.1	2.9		0.388	2.6	1,136.8
Row Spacing (in)	30	<b>Trial Notes</b>						
Number of Rows	2	*5+ inches of rain in early July delayed harvest and contributed to grain weathering.						
Seeds per Acre	60,000	Cooperator: McNair Farms						
Precipitation (in)	22.7	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:						
Irrigation (in)		Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505						
Herbicide		* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
11 oz/ac Outlook		<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Soil Type	Victoria clay	N (lb/ac)	78	NO3-N (ppm)	47	pH	7.6	
Tillage	Conventional, cultivated 4/1	P2O5 (lb/ac)	26	P (ppm)*	33	Conductivity (umho/cm)	334	
Previous Crop	Cotton	K2O (lb/ac)	0	K (ppm)*	646	Ca (ppm)*	10,593	
		S (lb/ac)	10	S (ppm)*	16	Mg (ppm)*	461	
		Zn (lb/ac)	0			Na (ppm)*	68	

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## 2021 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
Texas A&M AgriLife Research	ATx631xRTx436	31,363	35,719	52	0.14	0.0	0.12	2.0	
Pioneer	82P83	40,729	51,183	68	0.26	0.0	0.10	2.3	
Pioneer	83P11	37,679	48,569	63	0.39	0.0	0.09	3.0	
Integra	G3620	29,403	42,035	49	0.43	0.0	0.08	3.0	
Integra	G3665	31,799	50,747	53	0.80	0.0	0.10	2.5	
Integra	G3711	42,689	54,014	71	0.27	0.0	0.09	2.3	
Golden Acres	3180B	18,513	35,501	31	1.04	0.0	0.11	2.8	
Dyna-Gro	GX20970	23,522	37,244	39	0.74	0.0	0.12	3.3	
Dyna-Gro	GX20998	37,897	55,321	63	0.47	0.0	0.09	3.5	
Dyna-Gro	GX21965	9,801	15,246	16	0.52	0.0	0.21	5.8	
Dyna-Gro	M63GB78	28,967	44,431	48	0.73	0.0	0.10	4.8	
Dyna-Gro	M67GB87	22,216	38,768	37	0.74	0.0	0.11	2.3	
Dyna-Gro	M71GR91	36,155	48,134	60	0.34	0.0	0.11	1.5	
Dyna-Gro	M72GB71	26,789	31,581	45	0.40	0.0	0.12	2.3	
DEKALB	DKS 36-07	29,839	45,085	50	0.50	0.0	0.10	5.0	
DEKALB	DKS 40-76	38,551	43,342	64	0.15	0.0	0.11	4.0	
DEKALB	DKS 44-07	35,501	46,391	59	0.38	0.0	0.12	2.3	
DEKALB	DKS 45-60	23,522	38,333	39	0.74	0.0	0.11	2.8	
DEKALB	DKS 50-07	30,274	42,471	50	0.41	0.0	0.11	1.5	
DEKALB	DKS 54-07	24,394	38,986	41	0.67	0.0	0.12	2.5	
Alta Seeds	ADV G2275	40,511	42,689	68	0.07	0.0	0.12	1.5	



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Mean	30,482	42,181	51	0.49	0.0	0.11	2.9	
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### Agronomic information

Plant Date	3/2/2021
Harvest Date	7/19/2021
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	60,000
Precipitation (in)	22.7
Irrigation (in)	
Herbicide	

11 oz/ac Outlook

Soil Type	Victoria clay
Tillage	Conventional, cultivated 4/1
Previous Crop	Cotton

### Trial Notes

\*5+ inches of rain in early July delayed harvest and contributed to grain weathering.

\* Mehlich 3 by ICP, soiltesting.tamu.edu  
\*\* Samples collected at planting, some locations may have applied fertilizer

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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ronschnell@tamu.edu / khorn@tamu.edu  
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Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)	78	NO3-N (ppm)	47	pH	7.6
P2O5 (lb/ac)	26	P (ppm)*	33	Conductivity (umho/cm)	334
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