

Rosenberg

2024 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 44-07	77	55	6	14	9.9	53.3	7,127
DEKALB	DKS 45-60	77	61	8	13	11.7	56.8	5,966
Dyna-Gro	M66GR32	77	61	6	37	11.7	52.6	5,938
Dyna-Gro	M62GB36	77	54	6	23	9.5	53.1	5,740
Dyna-Gro	M67GB87	80	59	5	44	9.2	49.4	5,537
Dyna-Gro	M72GB71	79	57	4	68	9.0	52.3	5,500
DEKALB	DKS 36-07	75	56	8	10	8.8	50.7	5,370
DEKALB	DKS 54-07	80	56	3	70	11.1	54.9	5,215
DEKALB	DKS 40-76	77	53	7	31	9.1	51.7	5,035
Dyna-Gro	M71GR91	79	57	5	78	10.6	52.1	4,901
Dyna-Gro	M63GB78	77	53	6	8	8.3	48.1	4,850
Dyna-Gro	M70GR37	79	55	6	84	10.0	52.5	4,756
Dyna-Gro	M60GB31	76	52	5	3	7.2	46.4	4,639

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



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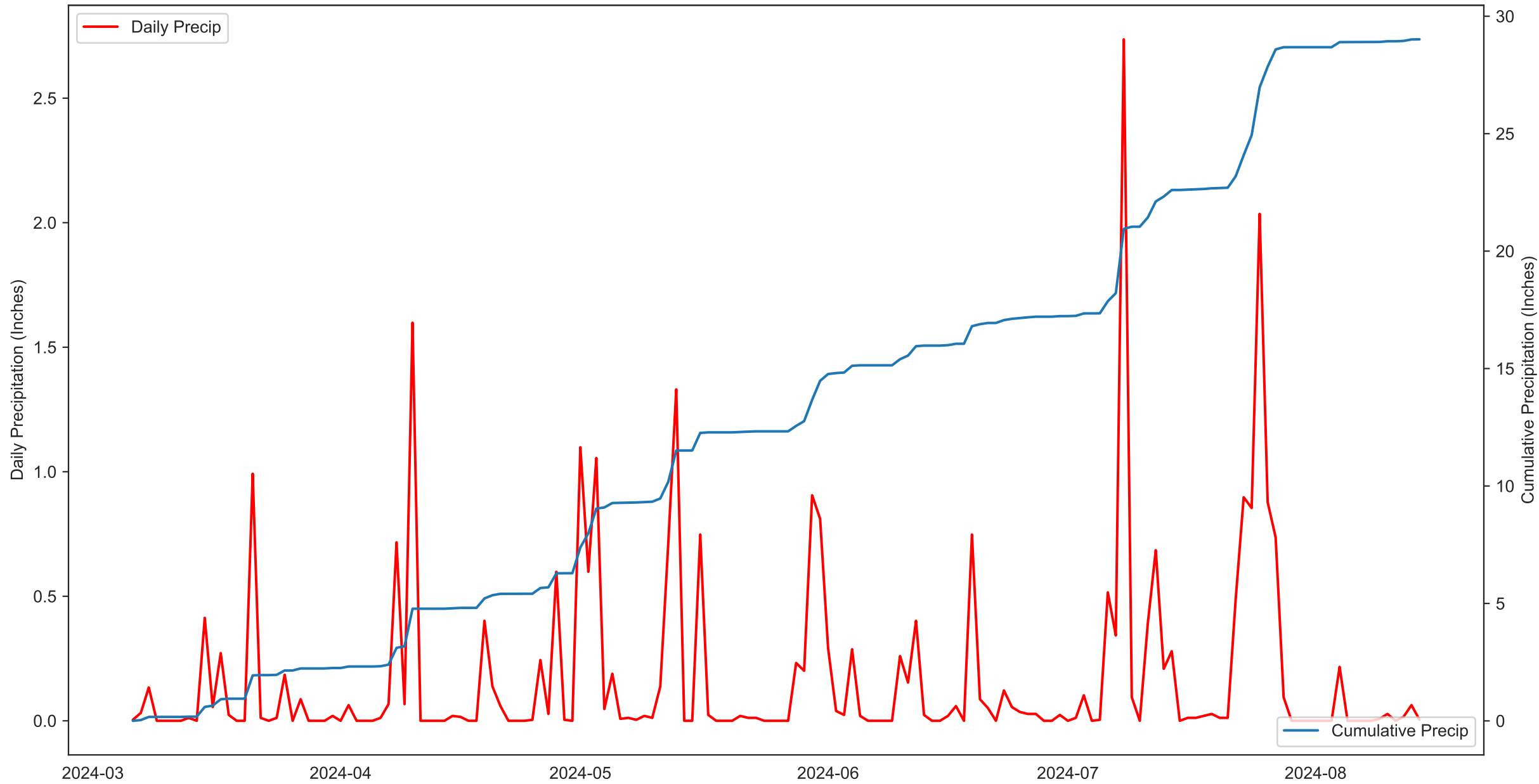
2024 Grain Sorghum Performance Trial



Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
Agronomic information		Mean	78	56	5	36.9	51.8	5,429
Plant Date	3/6/2024	C.V. %	1.1	6.1	30.5	57.6	3.7	10.3
Harvest Date	8/14/2024	P>f (hybrid)	0.000	0.012			0.000	0.000
Irrigated	No	L.S.D.	1.3	5.0			2.9	842.0
Row Spacing (in)	36	Trial Notes						
Number of Rows	2	*Impacts from Hurricane Beryl are reflected in lodging and weathering data.						
Target Seeds per Acre	65,000	Cooperator: Alan Stasney						
Precipitation (in)	29.02	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:						
Irrigation (in)		Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.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						
Soil Type	Lake Charles clay	Fertilizer Applied		Soil Analysis Report**				
Tillage	Conventional	N (lb/ac)		NO3-N (ppm)	11	pH		5.4
Previous Crop	Cotton	P2O5 (lb/ac)		P (ppm)*	92	Conductivity (umho/cm)		70
		K2O (lb/ac)		K (ppm)*	514	Ca (ppm)*		5,735
		S (lb/ac)		S (ppm)*	47	Mg (ppm)*		1,215
		Zn (lb/ac)				Na (ppm)*		39

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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	M60GB31	30,674	43,197	47	0.44	3	0.11	9.0	
Dyna-Gro	M62GB36	34,848	43,560	54	0.50	23	0.13	8.0	
Dyna-Gro	M63GB78	27,104	38,660	42	0.55	8	0.13	8.8	
Dyna-Gro	M66GR32	41,745	54,450	64	0.23	37	0.12	3.0	
Dyna-Gro	M67GB87	19,360	43,560	30	1.14	44	0.13	6.3	
Dyna-Gro	M70GR37	33,033	47,009	51	0.45	84	0.10	4.5	
Dyna-Gro	M71GR91	42,592	48,279	66	0.26	78	0.10	6.3	
Dyna-Gro	M72GB71	31,944	47,674	49	0.50	68	0.12	5.7	
DEKALB	DKS 36-07	36,482	49,550	56	0.36	10	0.11	8.3	
DEKALB	DKS 40-76	38,720	44,286	60	0.16	31	0.11	7.3	
DEKALB	DKS 44-07	37,510	51,546	58	0.37	14	0.14	4.8	
DEKALB	DKS 45-60	38,115	46,827	59	0.25	13	0.13	3.5	
DEKALB	DKS 54-07	32,670	47,553	50	0.51	70	0.11	2.5	



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Mean	34,215	46,627	53	0.44	37	0.12	6.0	
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Agronomic information	
Plant Date	3/6/2024
Harvest Date	8/14/2024
Irrigated	No
Row Spacing (in)	36
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	29.02
Irrigation (in)	
Herbicide	
Soil Type	Lake Charles clay
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

*Impacts from Hurricane Beryl are reflected in lodging and weathering data.

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

Cooperator: Alan 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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979-845-2935 / 979-845-8505

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)		NO3-N (ppm)	11	pH	5.4
P2O5 (lb/ac)		P (ppm)*	92	Conductivity (umho/cm)	70
K2O (lb/ac)		K (ppm)*	514	Ca (ppm)*	5,735
S (lb/ac)		S (ppm)*	47	Mg (ppm)*	1,215
Zn (lb/ac)				Na (ppm)*	39

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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 44-07	7,598	
Nutrien Ag	Dyna-Gro	M72GB71	7,014	
Bayer	DEKALB	DKS 45-60	6,990	
Nutrien Ag	Dyna-Gro	M67GB87	6,910	
Bayer	DEKALB	DKS 54-07	6,797	
Nutrien Ag	Dyna-Gro	M71GR91	6,446	
Bayer	DEKALB	DKS 40-76	6,332	
Nutrien Ag	Dyna-Gro	M63GB78	5,993	
Nutrien Ag	Dyna-Gro	M60GB31	5,831	

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.