

Monte Alto Full 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)
Dyna-Gro	M71GR91	69	48	6	0	12.7	59.4	4,912
Integra	G3640	65	47	8	0	12.1	58.2	4,889
DEKALB	DKS 44-07	66	44	11	0	12.0	58.7	4,616
Integra	G3711	69	45	11	0	12.8	59.0	4,464
Dyna-Gro	M72GB71	70	47	8	0	12.2	59.2	4,309
Integra	G3665	65	49	7	0	10.7	56.8	4,303
DEKALB	DKS 54-07	69	47	7	0	13.2	59.2	4,301
DEKALB	DKS 45-60	66	48	9	0	12.8	59.2	4,213
Dyna-Gro	M67GB87	67	50	9	0	11.1	57.5	4,166
Dyna-Gro	M66GR32	68	47	7	0	12.4	59.5	4,008
Dyna-Gro	M70GR37	67	51	8	0	12.6	58.7	3,909
Dyna-Gro	M62GB36	64	46	11	0	11.8	58.6	3,776
DEKALB	DKS 40-76	63	49	6	0	11.4	58.2	3,687
Dyna-Gro	M60GB31	64	51	7	0	12.1	58.8	3,410
DEKALB	DKS 36-07	62	46	7	0	11.5	58.6	3,296
Dyna-Gro	M63GB78	62	47	10	0	11.7	57.6	3,062

*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	2/26/2024
Harvest Date	6/16/2024
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	80,000
Precipitation (in)	4.25
Irrigation (in)	
Herbicide	1.5 lb/ac Atrazine + 1.5 pt/ac Dual after planting
Soil Type	Hidalgo sandy clay loam
Tillage	Conventional
Previous Crop	Sorghum

Mean	66	47	8	0.0	12.1	58.6	4,083
C.V. %	2.0	7.3	36.7		4.3	0.9	15.3
P>f (hybrid)	0.000	0.265			0.000	0.000	0.000
L.S.D.	1.9				0.7	0.7	699.3

Trial Notes
*Trial received one irrigation on 4/21/24
*Trial was cultivated once mid - season

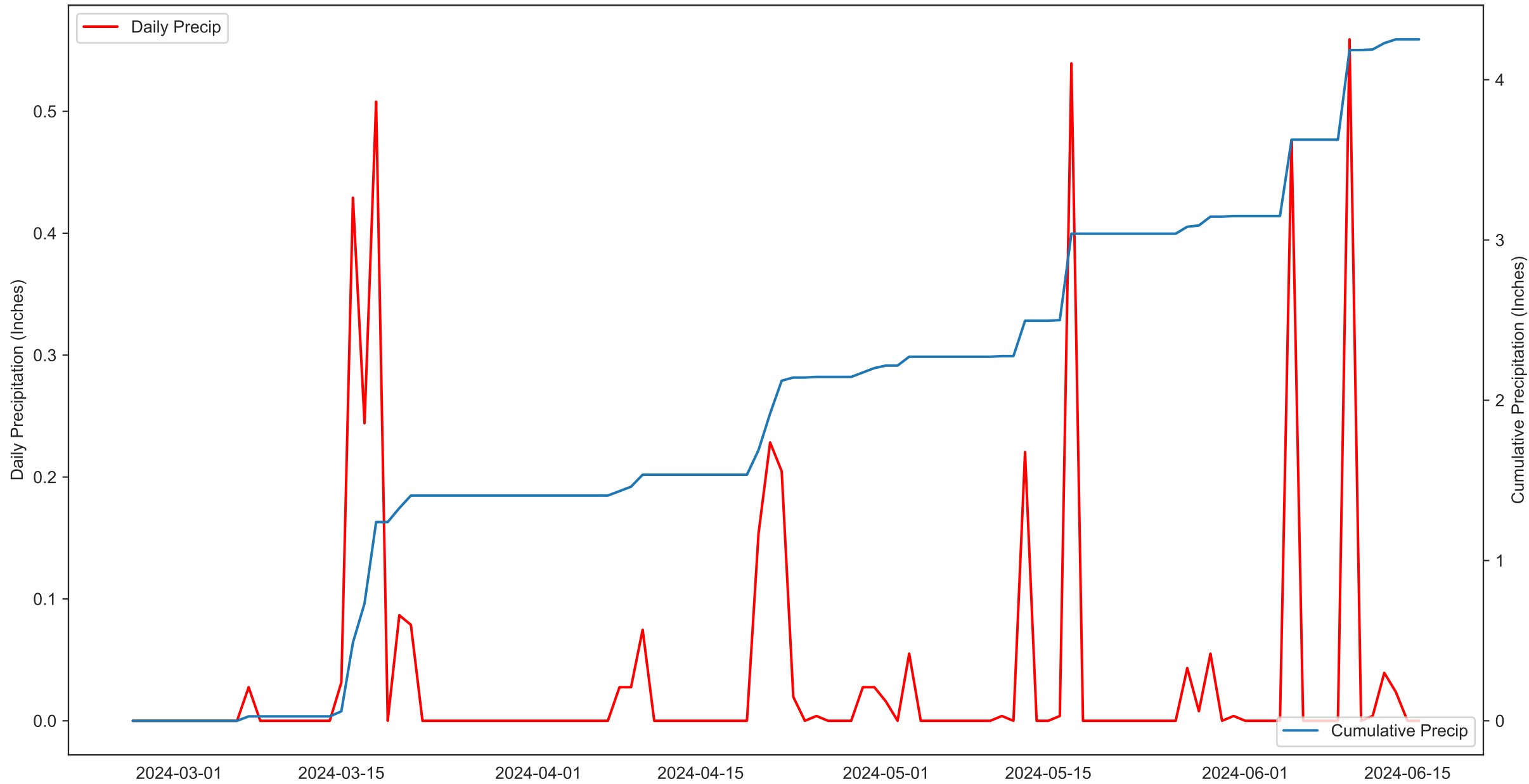
Cooperator:	Texas AgriScience
Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked 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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* 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)	81	NO3-N (ppm)	20
P2O5 (lb/ac)	16	pH	6.8
K2O (lb/ac)	0	P (ppm)*	52
S (lb/ac)	0	K (ppm)*	350
Zn (lb/ac)	0	S (ppm)*	45
		Conductivity (umho/cm)	86
		Ca (ppm)*	3,674
		Mg (ppm)*	476
		Na (ppm)*	81

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