

## Hillsboro

# 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)
DEKALB	DKS 54-07	75	58	2	0	15.0	60.1	5,584
Integra	G3665	70	53	2	0	11.6	57.6	5,560
DEKALB	DKS 44-07	71	53	4	0	14.5	60.0	5,476
DEKALB	DKS 45-60	72	52	4	0	16.3	58.9	5,473
Dyna-Gro	GX22937	73	54	3	0	14.1	58.8	5,453
DEKALB	DKS 50-07	73	53	4	0	14.4	61.0	5,412
Dyna-Gro	M71GR91	73	56	2	0	14.9	60.5	5,373
Integra	G3711	73	57	1	0	14.5	60.7	5,371
Integra	G3640	72	51	3	0	15.6	59.5	5,357
DEKALB	DKS 40-76	72	50	3	0	16.0	59.2	5,315
Dyna-Gro	M67GB87	73	55	3	0	12.4	59.1	5,251
Dyna-Gro	GX22936	73	51	5	0	15.3	59.6	5,066
Dyna-Gro	M63GB78	71	50	3	0	15.3	59.0	5,017
Innvictis	GS62R23	73	60	3	0	11.4	59.2	4,694
Dyna-Gro	M72GB71	75	55	1	0	15.6	58.8	4,625
Innvictis	GS71R23	79	57	0	0	13.5	58.8	4,565
Sorghum Partners	SP65M60	71	52	0	0	13.1	56.0	4,384
Dyna-Gro	GX22934	74	56	2	0	15.5	59.5	4,276
Dyna-Gro	GX22932	73	56	3	0	14.9	59.6	4,152
Dyna-Gro	M60GB31	72	51	3	0	13.7	59.5	3,911
Dyna-Gro	M59GB94	70	53	3	0	14.6	59.3	3,899

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



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Warner Seed	P22673	75	52	1	0	12.0	58.1	3,747
Innvictis	X166R23	76	54	1	0	13.8	58.2	3,597
Warner Seed	P22687	74	56	1	0	14.6	58.0	3,367
Innvictis	GS70R23	79	50	0	0	13.3	57.7	2,762

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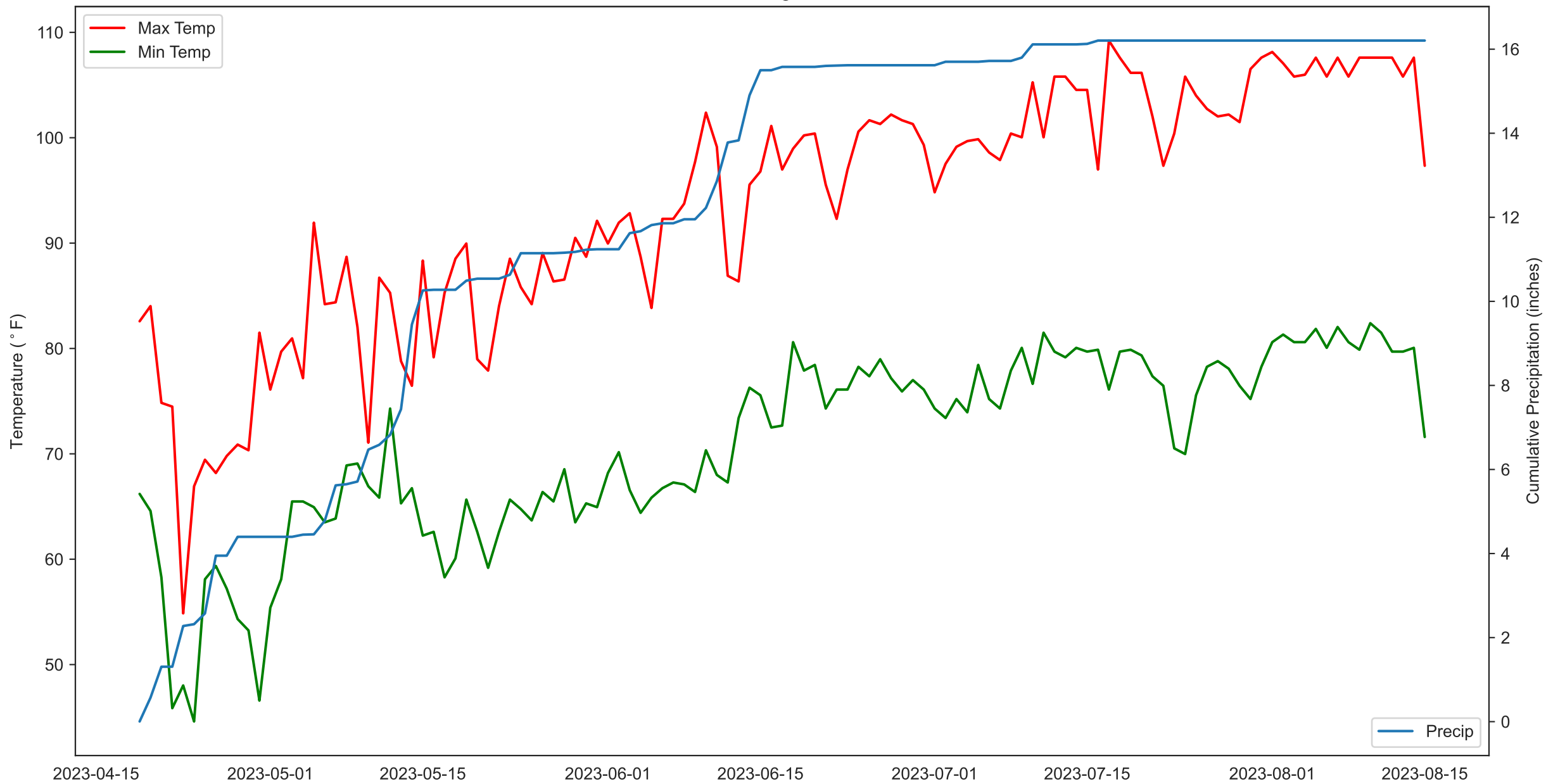
## 2023 Grain Sorghum Performance Trial



Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)			
<b>Agronomic information</b>		Mean	73	54	2	0.0	59.1	4,707			
Plant Date	4/19/2023	C.V. %	1.4	3.4	74.6	5.7	0.9	9.0			
Harvest Date	8/14/2023	P>f (hybrid)	0.000	0.000		0.000	0.000	0.000			
Irrigated	No	L.S.D.	1.4	2.6		1.1	0.7	600.5			
Row Spacing (in)	30	<b>Trial Notes</b>									
Number of Rows	2	<p><b>Cooperator:</b> Josh Birdwell</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 planting date through the harvest date. For additional information contact:</p> <p>Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505</p>									
Target Seeds per Acre	65,000										
Precipitation (in)	16.2										
Irrigation (in)											
Herbicide		<p>* Mehlich 3 by ICP, soiltesting.tamu.edu</p> <p>** Samples collected at planting, some locations may have applied fertilizer</p>		<b>Fertilizer Applied</b>					<b>Soil Analysis Report**</b>		
Soil Type	Branyon clay	N (lb/ac)		NO3-N (ppm)	62	pH		7.8			
Tillage	Conventional	P2O5 (lb/ac)		P (ppm)*	15	Conductivity (umho/cm)		303			
Previous Crop		K2O (lb/ac)		K (ppm)*	276	Ca (ppm)*		15,297			
		S (lb/ac)		S (ppm)*	83	Mg (ppm)*		124			
		Zn (lb/ac)				Na (ppm)*		58			

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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
Warner Seed	P22673	32,452	42,907	50	0.36	0.0	0.09		
Warner Seed	P22687	38,115	44,431	59	0.31	0.0	0.08		
Sorghum Partners	SP65M60	43,560	47,045	67	0.27	0.0	0.09		
Integra	G3640	40,729	54,450	63	0.35	0.0	0.10		
Integra	G3665	50,747	59,677	78	0.31	0.0	0.09		
Integra	G3711	47,916	53,579	74	0.12	0.0	0.10		
Innvictis	GS62R23	23,305	45,302	36	1.01	0.0	0.10		
Innvictis	GS70R23	19,166	38,551	29	1.03	0.0	0.07		
Innvictis	GS71R23	33,106	45,956	51	0.49	0.0	0.10		
Innvictis	X166R23	19,384	35,719	30	0.99	0.0	0.10		
Dyna-Gro	GX22932	23,522	45,956	36	1.02	0.0	0.09		
Dyna-Gro	GX22934	25,483	51,619	39	1.08	0.0	0.08		
Dyna-Gro	GX22936	30,056	52,490	46	0.76	0.0	0.10		
Dyna-Gro	GX22937	29,185	52,708	45	0.88	0.0	0.10		
Dyna-Gro	M59GB94	30,056	52,054	46	0.75	0.0	0.07		
Dyna-Gro	M60GB31	42,253	52,490	65	0.26	0.0	0.07		
Dyna-Gro	M63GB78	31,799	54,668	49	0.80	0.0	0.09		
Dyna-Gro	M67GB87	35,501	59,024	55	0.68	0.0	0.09		
Dyna-Gro	M71GR91	42,689	52,490	66	0.25	0.0	0.10		
Dyna-Gro	M72GB71	43,996	47,045	68	0.17	0.0	0.10		
DEKALB	DKS 40-76	38,986	53,797	60	0.38	0.0	0.10		
DEKALB	DKS 44-07	41,600	54,232	64	0.32	0.0	0.10		



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DEKALB	DKS 45-60	44,867	51,836	69	0.17	0.0	0.11		
DEKALB	DKS 50-07	40,293	54,014	62	0.39	0.0	0.10		
DEKALB	DKS 54-07	47,698	58,588	73	0.28	0.0	0.10		



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Mean	35,859	50,425	55	0.54	0.0	0.09		
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Agronomic information	
Plant Date	4/19/2023
Harvest Date	8/14/2023
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	16.2
Irrigation (in)	
Herbicide	
Soil Type	Branyon clay
Tillage	Conventional
Previous Crop	

Trial Notes

Cooperator: Josh Birdwell

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)		NO3-N (ppm)	62	pH	7.8
P2O5 (lb/ac)		P (ppm)*	15	Conductivity (umho/cm)	303
K2O (lb/ac)		K (ppm)*	276	Ca (ppm)*	15,297
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