

# Thrall

## 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	M70GR37	81	57	8	0	13.9	60.8	6,425
Integra	G3665	79	52	7	0	11.4	57.6	5,826
Dyna-Gro	M66GR32	81	58	9	0	13.0	61.0	5,712
Integra	G3711	81	56	5	0	13.6	60.5	5,674
DEKALB	DKS 45-60	79	59	12	0	13.4	60.8	5,659
DEKALB	DKS 44-07	80	53	6	0	12.4	59.6	5,532
Dyna-Gro	M71GR91	80	57	6	0	12.9	61.2	5,387
DEKALB	DKS 54-07	82	56	7	0	13.2	60.5	5,097
Dyna-Gro	M72GB71	81	55	5	0	12.8	60.3	5,085
Dyna-Gro	M62GB36	79	49	6	0	12.0	60.1	5,066
Dyna-Gro	M60GB31	79	50	7	0	11.7	59.6	4,951
DEKALB	DKS 40-76	79	53	10	0	11.5	59.8	4,873
Dyna-Gro	M67GB87	81	53	6	0	13.2	57.2	4,745
Integra	G3640	81	49	9	0	12.8	59.3	4,549
DEKALB	DKS 36-07	78	49	8	0	11.9	60.3	4,415
Dyna-Gro	M59GB94	77	54	10	0	11.2	59.0	4,114
Dyna-Gro	M63GB78	79	48	6	0	11.5	57.9	3,400

\*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	3/7/2024
Harvest Date	8/22/2024
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	22.61
Irrigation (in)	
Herbicide	
3/14/24: 32 oz/ac Roundup + 16 oz/ac Outlook	
4/5/24: 1.33 pt/ac Dual	

Mean	80	53	7	0.0	12.5	59.7	5,089
C.V. %	1.0	4.6	23.9		5.7	1.2	13.1
P>f (hybrid)	0.000	0.000			0.000	0.000	0.000
L.S.D.	1.3	3.9			1.1	1.2	892.7

Trial Notes

**Cooperator:** Stiles Farm Foundation

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:

Dr. Ronnie Schnell / Katrina Horn  
ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu  
979-845-2935 / 979-845-8505

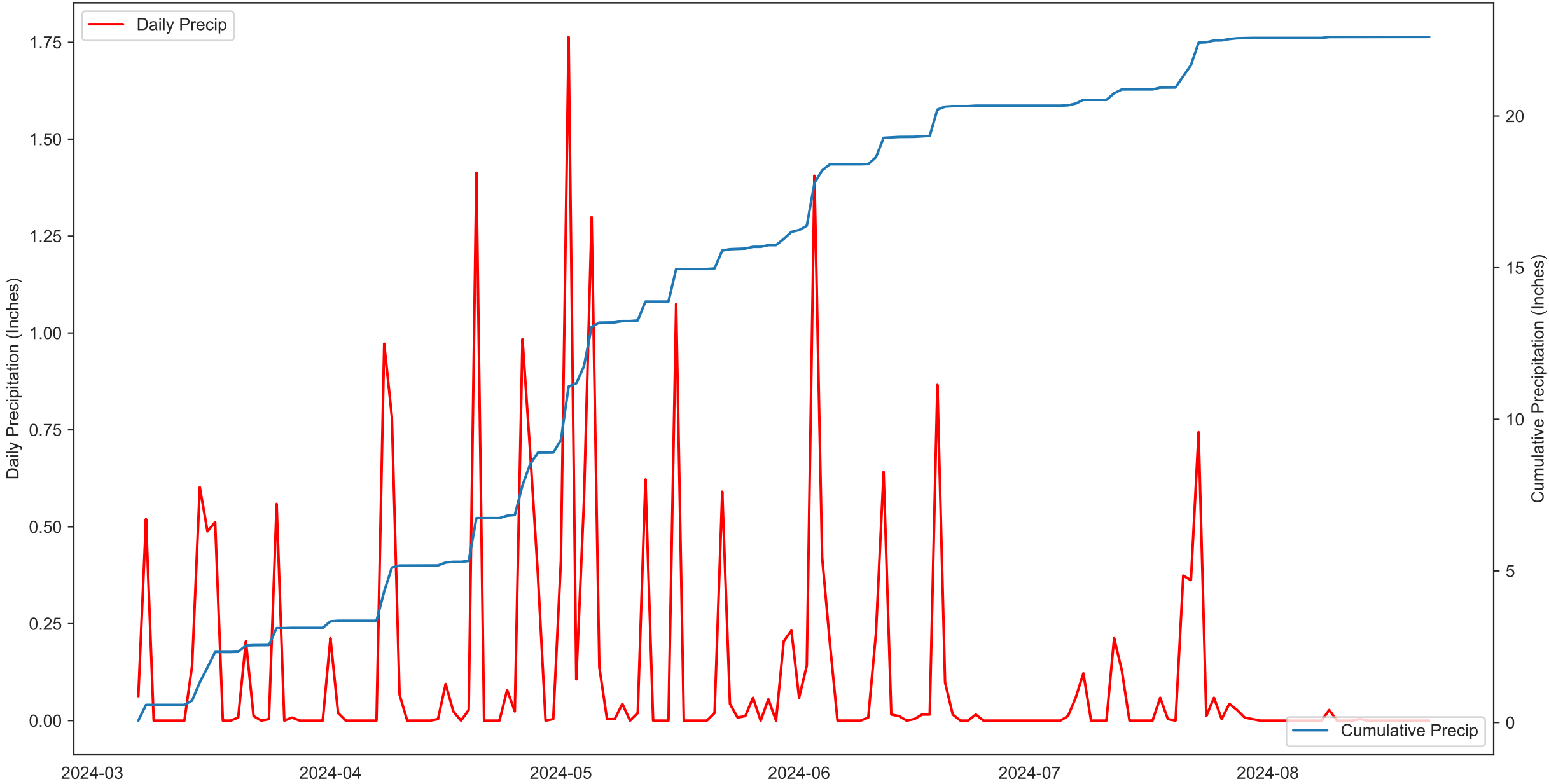
\* Mehlich 3 by ICP, soiltesting.tamu.edu  
\*\* Samples collected at planting, some locations may have applied fertilizer

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)	90	NO3-N (ppm)	46	pH	6.4
P2O5 (lb/ac)	23	P (ppm)*	66	Conductivity (umho/cm)	309
K2O (lb/ac)	5	K (ppm)*	187	Ca (ppm)*	4,014
S (lb/ac)	5	S (ppm)*	36	Mg (ppm)*	641
Zn (lb/ac)	0			Na (ppm)*	24

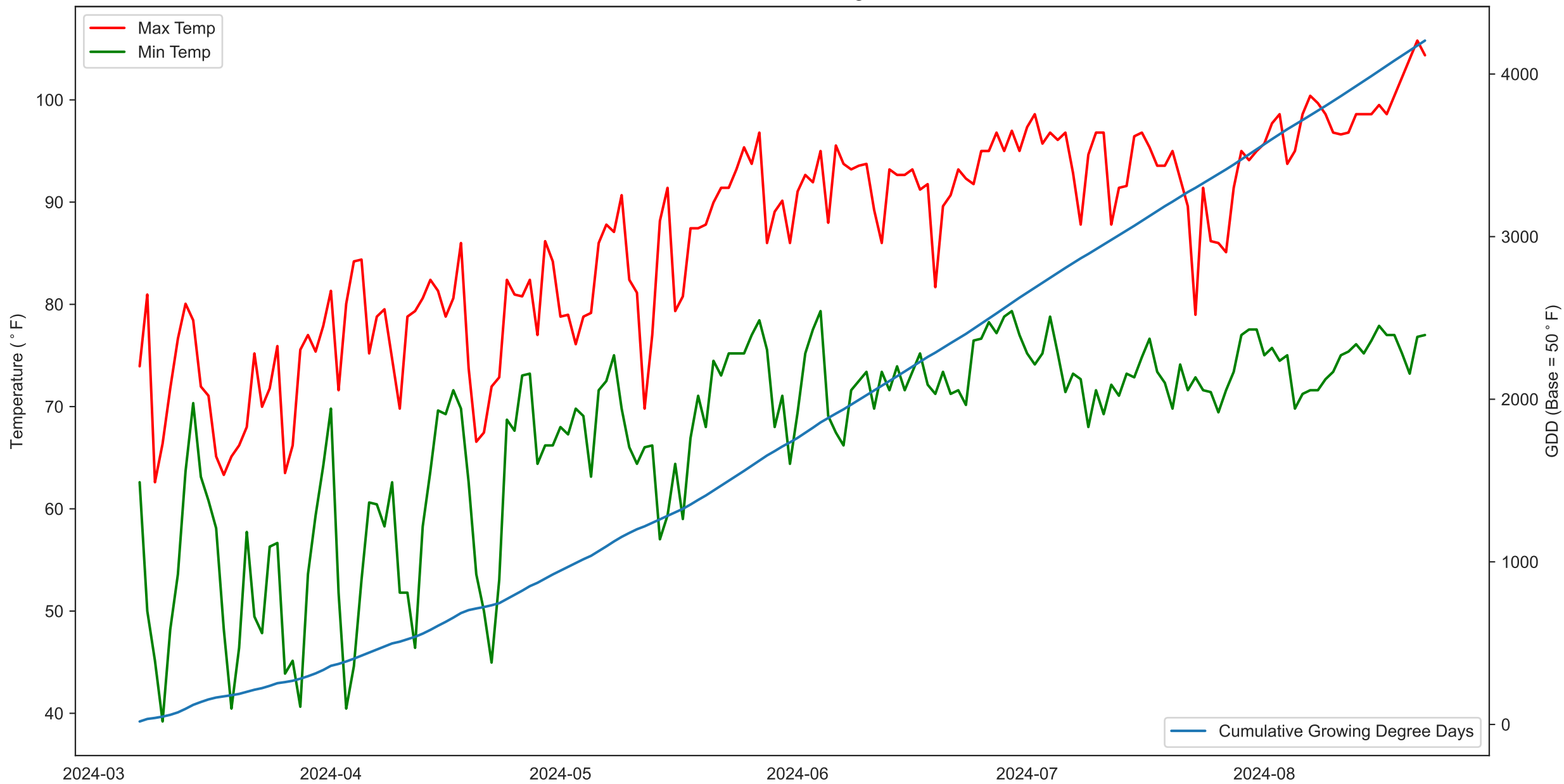
Soil Type	Burleson clay
Tillage	Conventional
Previous Crop	Corn

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

2024 Thrall Grain Sorghum



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TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

# Thrall

## 2024 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
Integra	G3640	32,888	47,698	51	0.46	0	0.10		
Integra	G3665	42,398	63,307	65	0.50	0	0.09		
Integra	G3711	34,848	44,867	54	0.36	0	0.13		
Dyna-Gro	M59GB94	37,679	57,499	58	0.55	0	0.07		
Dyna-Gro	M60GB31	34,848	50,820	54	0.48	0	0.09		
Dyna-Gro	M62GB36	32,525	45,302	50	0.48	0	0.11		
Dyna-Gro	M63GB78	23,305	39,422	36	0.72	0	0.08		
Dyna-Gro	M66GR32	30,782	50,820	47	0.68	0	0.12		
Dyna-Gro	M67GB87	36,155	48,352	56	0.39	0	0.09		
Dyna-Gro	M70GR37	36,373	47,916	56	0.34	0	0.13		
Dyna-Gro	M71GR91	39,640	46,174	61	0.26	0	0.12		
Dyna-Gro	M72GB71	34,412	39,857	53	0.25	0	0.12		
DEKALB	DKS 36-07	38,115	49,223	59	0.30	0	0.09		
DEKALB	DKS 40-76	38,333	45,883	59	0.20	0	0.11		
DEKALB	DKS 44-07	40,946	51,982	63	0.29	0	0.11		
DEKALB	DKS 45-60		43,124	76		0	0.12		
DEKALB	DKS 54-07	38,986	47,263	60	0.26	0	0.10		



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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	36,582	48,206	56	0.41	0	0.11		
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**Agronomic information**

Plant Date:

Harvest Date:

Irrigated:

Row Spacing (in):

Number of Rows:

Target Seeds per Acre:

Precipitation (in):

Irrigation (in):

Herbicide:

Soil Type:

Tillage:

Previous Crop:

**Trial Notes**

**Cooperator:**

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)	<input type="text" value="90"/>	NO3-N (ppm)	<input type="text" value="46"/>	pH	<input type="text" value="6.4"/>
P2O5 (lb/ac)	<input type="text" value="23"/>	P (ppm)*	<input type="text" value="66"/>	Conductivity (umho/cm)	<input type="text" value="309"/>
K2O (lb/ac)	<input type="text" value="5"/>	K (ppm)*	<input type="text" value="187"/>	Ca (ppm)*	<input type="text" value="4,014"/>
S (lb/ac)	<input type="text" value="5"/>	S (ppm)*	<input type="text" value="36"/>	Mg (ppm)*	<input type="text" value="641"/>
Zn (lb/ac)	<input type="text" value="0"/>			Na (ppm)*	<input type="text" value="24"/>

# Grain Sorghum

## Thrall

### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 44-07	4,801	
Wilbur-Ellis Company	Integra	G3711	4,537	
Nutrien Ag	Dyna-Gro	M71GR91	4,525	
Bayer	DEKALB	DKS 45-60	4,393	
Wilbur-Ellis Company	Integra	G3665	4,383	
Bayer	DEKALB	DKS 40-76	4,202	
Nutrien Ag	Dyna-Gro	M72GB71	4,155	
Bayer	DEKALB	DKS 54-07	4,047	
Wilbur-Ellis Company	Integra	G3640	3,978	
Nutrien Ag	Dyna-Gro	M60GB31	3,842	
Nutrien Ag	Dyna-Gro	M67GB87	3,607	
Nutrien Ag	Dyna-Gro	M59GB94	3,389	
Nutrien Ag	Dyna-Gro	M63GB78	2,847	

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.