

Gregory 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	65	52	6	0	15.2	59.3	4,742
DEKALB	DKS 54-07	66	53	5	0	13.1	55.7	4,652
Integra	G3665	63	50	6	0	13.1	55.0	4,594
Integra	G3711	66	51	7	0	15.4	60.3	4,561
Dyna-Gro	M71GR91	66	53	5	0	15.4	60.4	4,527
DEKALB	DKS 45-60	64	53	8	0	14.7	59.3	4,341
Integra	G3640	64	48	6	0	14.7	58.7	4,274
Dyna-Gro	M72GB71	66	51	4	0	13.7	57.0	4,189
Dyna-Gro	M66GR32	65	54	5	0	14.9	59.0	4,104
Dyna-Gro	M63GB78	63	48	6	0	13.1	56.1	3,996
Dyna-Gro	M62GB36	64	49	6	0	14.5	58.7	3,939
DEKALB	DKS 40-76	64	48	6	0	13.7	56.1	3,868
DEKALB	DKS 44-07	64	50	5	0	15.4	59.9	3,814
Dyna-Gro	M67GB87	65	49	6	0	12.8	55.1	3,692
Dyna-Gro	M60GB31	64	44	5	0	13.3	56.1	3,629
DEKALB	DKS 36-07	62	50	5	0	13.7	56.8	3,615

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



Gregory

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	
Plant Date	3/4/2024
Harvest Date	7/3/2024
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	60,000
Precipitation (in)	13.05
Irrigation (in)	
Herbicide	
12.8 oz Outlook	

Mean	64	50	6	0.0	14.2	57.7	4,159
C.V. %	1.0	4.1	24.2		3.3	1.4	12.6
P>f (hybrid)	0.000	0.000			0.000	0.000	0.030
L.S.D.	0.9	2.9			0.7	1.2	759.6

Trial Notes

Cooperator: Joel Hoskinson

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:

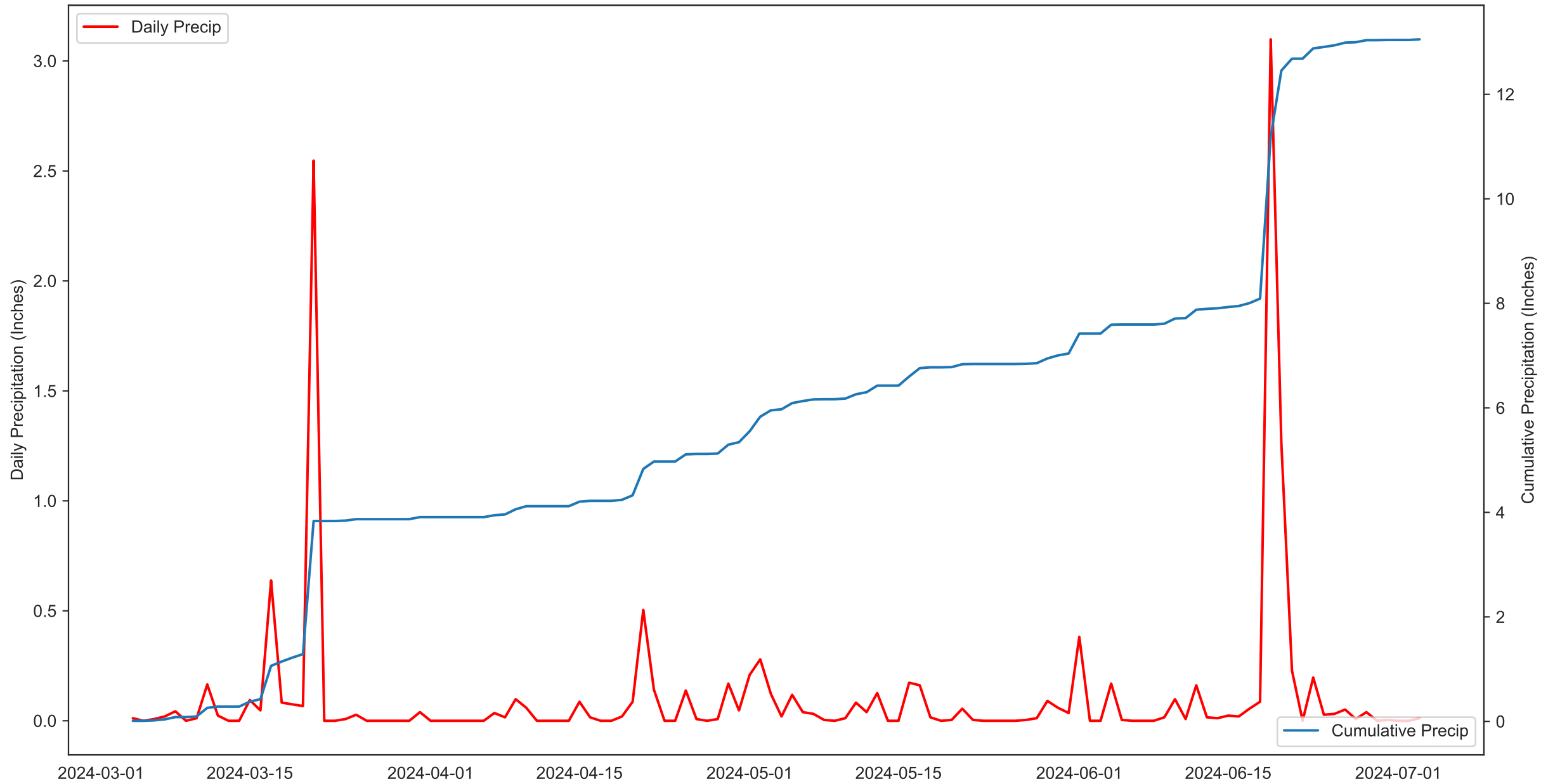
Dr. Ronnie Schnell / Katrina Horn
ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu
979-845-2935 / 979-845-8505

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

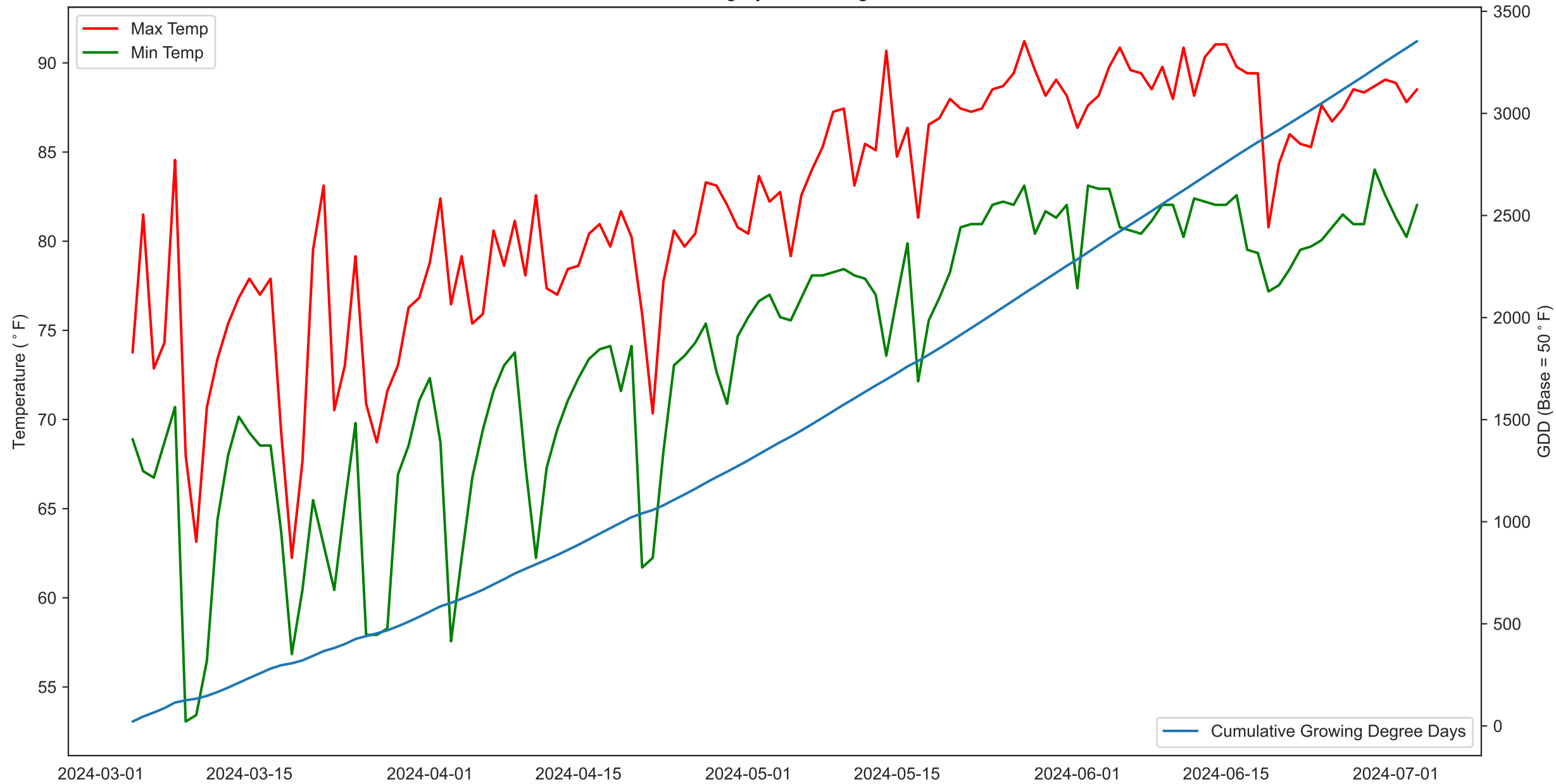
Fertilizer Applied		Soil Analysis Report**	
N (lb/ac)	100	NO3-N (ppm)	26
P2O5 (lb/ac)	20	P (ppm)*	28
K2O (lb/ac)	0	K (ppm)*	487
S (lb/ac)	16	S (ppm)*	63
Zn (lb/ac)			
		pH	7.8
		Conductivity (umho/cm)	210
		Ca (ppm)*	8,507
		Mg (ppm)*	525
		Na (ppm)*	168

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

2024 Gregory Grain Sorghum



2024 Gregory Grain Sorghum





TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Gregory

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	46,609	55,103	78	0.18	0.0	0.08		
Integra	G3665	49,441	66,647	82	0.38	0.0	0.07		
Integra	G3711	49,441	55,103	82	0.12	0.0	0.08		
Dyna-Gro	M60GB31	47,626	54,232	79	0.17	0.0	0.07		
Dyna-Gro	M62GB36	46,391	55,321	77	0.19	0.0	0.07		
Dyna-Gro	M63GB78	41,382	58,588	69	0.42	0.0	0.07		
Dyna-Gro	M66GR32	42,689	57,499	71	0.40	0.0	0.07		
Dyna-Gro	M67GB87	39,204	54,886	65	0.40	0.0	0.07		
Dyna-Gro	M70GR37	43,996	52,490	73	0.31	0.0	0.09		
Dyna-Gro	M71GR91	50,965	55,321	85	0.12	0.0	0.08		
Dyna-Gro	M72GB71	40,293	53,143	67	0.32	0.0	0.08		
DEKALB	DKS 36-07	48,352	57,281	81	0.19	0.0	0.06		
DEKALB	DKS 40-76	48,787	56,192	81	0.16	0.0	0.07		
DEKALB	DKS 44-07	49,078	62,073	82	0.28	0.0	0.06		
DEKALB	DKS 45-60	45,085	58,370	75	0.30	0.0	0.07		
DEKALB	DKS 54-07	47,698	53,797	79	0.13	0.0	0.09		



Gregory

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
-------	--------	---------------------------	----------------	---------------	-------------------------	-------------	-------------------	-------------------------	-----------------------

Mean	46,065	56,628	77	0.25	0.0	0.07		
------	--------	--------	----	------	-----	------	--	--

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:

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)	<input type="text" value="100"/>	NO3-N (ppm)	<input type="text" value="26"/>	pH	<input type="text" value="7.8"/>
P2O5 (lb/ac)	<input type="text" value="20"/>	P (ppm)*	<input type="text" value="28"/>	Conductivity (umho/cm)	<input type="text" value="210"/>
K2O (lb/ac)	<input type="text" value="0"/>	K (ppm)*	<input type="text" value="487"/>	Ca (ppm)*	<input type="text" value="8,507"/>
S (lb/ac)	<input type="text" value="16"/>	S (ppm)*	<input type="text" value="63"/>	Mg (ppm)*	<input type="text" value="525"/>
Zn (lb/ac)	<input type="text"/>			Na (ppm)*	<input type="text" value="168"/>

Grain Sorghum

Gregory

Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Wilbur-Ellis Company	Integra	G3711	5,979	5,232
Nutrien Ag	Dyna-Gro	M71GR91	5,977	5,197
Bayer	DEKALB	DKS 54-07	5,876	5,254
Nutrien Ag	Dyna-Gro	M72GB71	5,696	4,947
Bayer	DEKALB	DKS 45-60	5,667	5,101
Wilbur-Ellis Company	Integra	G3640	5,657	
Wilbur-Ellis Company	Integra	G3665	5,583	5,301
Bayer	DEKALB	DKS 44-07	5,536	5,248
Nutrien Ag	Dyna-Gro	M67GB87	5,377	5,033
Bayer	DEKALB	DKS 40-76	5,194	4,797
Nutrien Ag	Dyna-Gro	M63GB78	5,020	4,512
Nutrien Ag	Dyna-Gro	M60GB31	4,777	4,541

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.