

# 2023 Texas Grain Sorghum Performance Variety Trials



## Department of Soil and Crop Sciences

*Ronnie Schnell - Associate Professor & Extension Specialist*

*Katrina Horn - Crop Testing Coordinator & Research Associate*

*Giordano Fontana - Research Assistant*

*Jake Hanes - Research Assistant*

*W. L. Rooney - Professor, Plant Breeding and Genetics*

## **2023 TEXAS GRAIN SORGHUM PERFORMANCE VARIETY TRIALS**

By

Ronnie Schnell

Katrina Horn

Giordano Fontana

Jakes Hanes

W. L. Rooney

**SCS-2023-06**

Respectively, Associate Professor & Extension Specialist; Crop Testing Coordinator & Research Associate; Research Assistant; Research Assistant; Professor, Plant Breeding and Genetics, Department of Soil and Crop Sciences, Texas A&M AgriLife Research, The Texas A&M University System, College Station, Texas.

## TABLE OF CONTENTS

Introduction .....	1
Selecting Hybrids & Varieties .....	1
Field-Plot Techniques .....	2
Data Analysis & Reporting .....	2
Agronomic Data as Designated by Company .....	3
Measured Agronomic Data.....	3
Weather Reports.....	4
Maps: Figure 1. Grain Sorghum Performance Trial Locations .....	4
2023 Grain Sorghum Hybrid Characteristics .....	5
Grain Sorghum Company Contact Information.....	7
Monte Alto Full.....	8
Monte Alto Limited .....	12
Driscoll.....	17
Gregory.....	23
Rosenberg .....	31
College Station.....	36
Thrall.....	44
Hillsboro.....	49
Canyon .....	56
Acknowledgements.....	64

# 2023 TEXAS GRAIN SORGHUM PERFORMANCE VARIETY TRIALS

Ronnie Schnell, Katrina Horn, Giordano Fontana, Jake Hances, and W. L. Rooney

## Introduction

Texas A&M AgriLife Research conducts grain sorghum performance tests each year to provide growers in Texas with accurate and unbiased information on hybrid performance at locations across the state. Selection of superior hybrids that are well adapted for a given region is essential for maximizing yield and profit.

This year, four irrigated and six non-irrigated test sites were planted in the major production regions of Texas. Major grain sorghum production regions include the Western Gulf Coastal Plain, Southern Texas Plains, East Central Texas Plains, Texas Blackland Prairies and High Plains. Approximate locations of the 2023 test sites are shown in Figure 1. A total of 196 entries were evaluated across 10 locations representing 38 unique hybrids from 8 commercial seed companies. Commercial seed companies enter hybrids into each trial location at their own discretion.

Performance trials are conducted by personnel from the Crop Testing Program, Texas A&M AgriLife Research, and financed by fees collected from participating commercial seed companies. Test sites are on privately owned farms or at Texas A&M University AgriLife Research Centers. All entries are randomized and replicated four times at each location. All test sites are managed according to practices common to each production region. Field maps and planting plans can be found at the link below shortly after planting. Following harvest, results are statistically analyzed and made available at: <http://varietytesting.tamu.edu/grainsorghum/>.

## Suggestions for Selecting Hybrids and Varieties

Variety or hybrid selection is often the first decision a grower must make each crop year. The goal is to identify hybrids with superior performance (top yielding) for your environment. Many environments exist in Texas with significant variation within regions and across years, mostly due to variation in weather. Documented, consistent yield performance within a region is essential for selecting hybrids that will perform well on your farming operation. This means that evaluation of hybrids over multiple locations and years (when possible) is the best way to predict future performance. Exercise caution when using single location data to compare hybrid performance.

Following yield performance, other characteristics may be useful for selecting the best hybrid. Maturity or days to flowering may be important for selecting hybrids that are appropriate for your growing season/conditions. Typically mid- and full-season hybrids will respond favorably to additional moisture while early or short season hybrids are designed for dryland production with lower moisture requirements. Selecting the wrong maturity hybrid can result in poor yields in dry environments or the inability of a hybrid to produce higher yields if the moisture profile is favorable.

As water becomes more limited, drought tolerance becomes a critical component for production. Most sorghum hybrids possess good levels of pre-flowering drought tolerance, but there is a wide variation for post-flowering drought tolerance, and in most years post flowering drought is more common in Texas. Therefore, producers should ask seed companies for the relative level of post-flowering drought tolerance (or staygreen) their hybrids possess. Producers should realize that plant height and grain yield are correlated and while there are exceptions, taller hybrids generally have higher yield potential. Likewise taller hybrids require greater management, but if they possess good post-flowering drought tolerance (or staygreen) they should have good standability.

Finally, variation for grain quality exists in grain sorghum and there are several hybrids that are now used in food grain markets. A list of these hybrids is provided by the National Grain Sorghum Producers (<https://sorghumgrowers.com/>). These hybrids have white or cream-colored grain and straw colored glumes with tan plant color. While these hybrids are not suitable in all regions, in certain environments these hybrids yield comparably to traditional hybrids and may provide additional marketing opportunities.

### **Field-Plot Techniques**

Performance trials are conducted at each location using a randomized complete block design with four replications of each entry (hybrid). Plots are generally 2 rows wide with row spacing ranging from 30 to 40 inches depending on location. Population is determined based on the appropriate seeding rate for each production region and cropping system. Seeds are packaged to deliver 30 feet of planted row per plot. Seed is planted using a SRES Advanced research air planter with Monosem units at all sites. Following emergence, alleys are trimmed if necessary for a final plot length of 30 feet with a 4 foot alley. Alleys are maintained free of weeds throughout the growing season through mechanical or chemical control measures.

Cultural and agronomic practices adapted for each region are used as determined by the cooperator. Field data such as plant height, head exertion, and days to 50% flower are recorded at the appropriate times. Additional agronomic information is provided when available. Locations are harvested with a John Deere 3300 plot combine equipped with the HarvestMaster Grain Gauge that measures plot weight, test weight, and grain moisture. Field and harvest notes are compiled for each location and results analyzed.

### **Data Analysis and Reporting**

Data from each location is analyzed statistically using SAS. Mean values for yield and additional agronomic data are presented in tables for each location. Mean values are derived from the average of all replications for each entry in each trial. Least Significant Difference (LSD) is a statistical test used that determines the minimum difference between two entries required to be considered having different levels of performance. Differences between entries (yield, plant height, etc.) less than the LSD value represents variation measurements due to factors other than hybrid performance, such as variation in soil type, soil moisture, fertility, insect or disease pressure, planting or harvesting procedures. Although numeric differences in yield or other measurements

may exist, if two entries are within the LSD value, they should be considered to have equal performance. The Coefficient of Variation (CV) is used to determine the amount of variability in the data set relative to the mean and can be used to determine if the results are reliable. Generally, CV's greater than 20% indicate that the data is unreliable and is not reported. However, each data set is evaluated individually to determine if results will be reported.

In the 2023 Grain Sorghum Characteristics table, you will find agronomic data submitted by each company for their entries. Agronomic information provided by the companies about their hybrids is found in the list below and include items such as cob color, grain color and genetic traits. Agronomic data measured and collected by the Crop Testing program is described in the section below.

#### **Agronomic Data as designated by each company:**

Grain Color: Y = Yellow, W = White, Cm = Cream, R = Red, Bz = Bronze

Plant Color: T = Tan, R = Red, P = Purple.

Maturity Class: Early (E), medium-early (ME), medium (M), medium-late (ML), late (L).

#### **Measured Agronomic Data:**

Days to 50% Flowering: the average number of days from planting to the date when 50 percent of the plants within the plot are in some stage of flowering.

Plant Height: the average height in inches from ground to tip of the panicle.

Head Exertion: the average length in inches from the flag leaf to the base of the panicle.

Grain Moisture: the average moisture at harvest as a percent (%).

Test Weight: a measure of bulk grain density and is determined by the seed weight per unit of volume. This is measured at harvest and expressed as pounds per bushel.

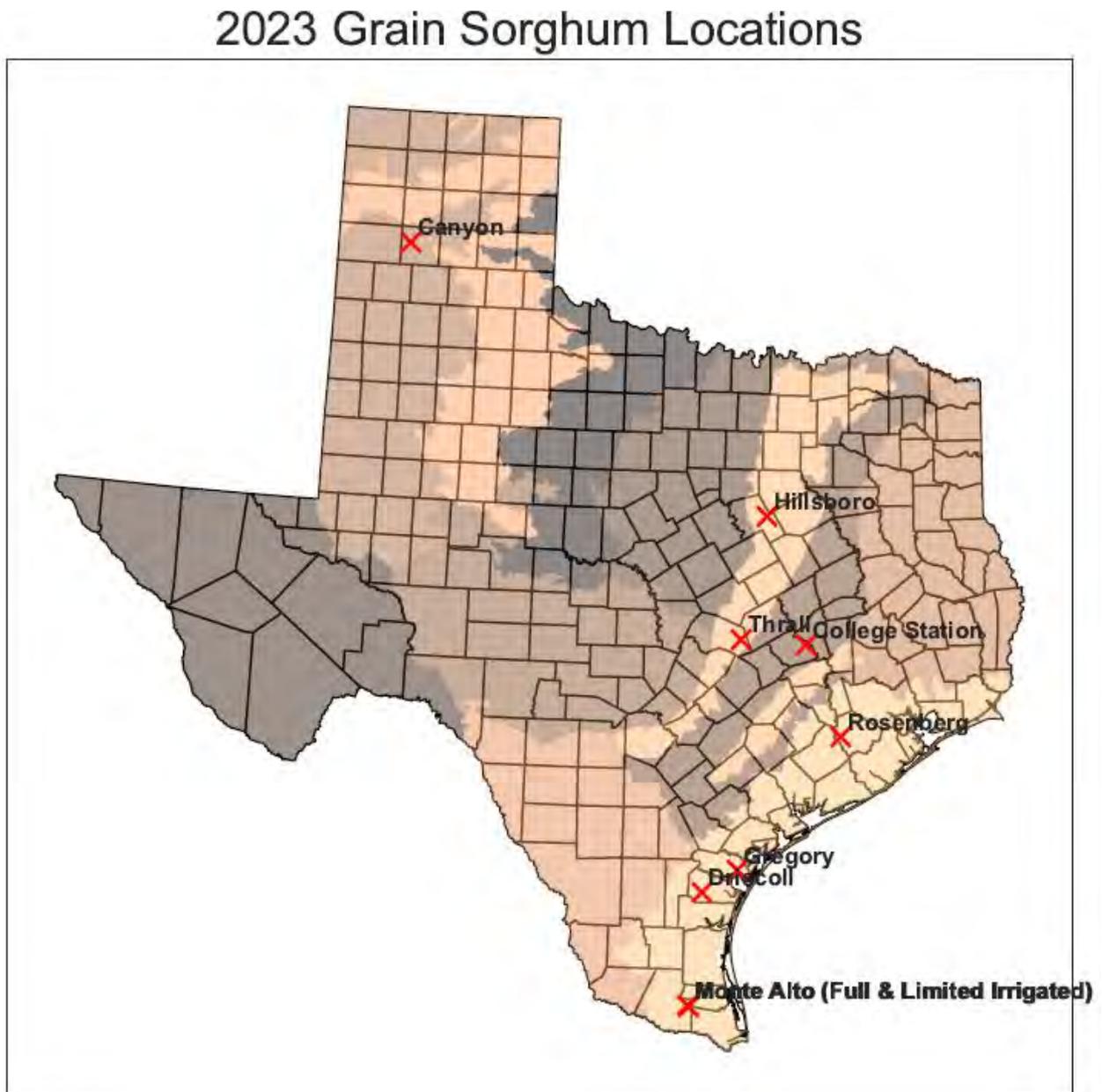
Yield: Standardized to 14% moisture: expressed in pounds per acre (lb/acre) and calculated using  $(((100 - \text{moisture (\%)} / 86) * \text{yield (lb/acre)})$ .

In addition to individual site performance, information on multi-year performance for each site is provided. Multi-year tables are presented as 2 and 3-year summaries of yield performance data. The entries are ranked according to hybrid performance in the current year. Hybrids must appear in two of the past three years to appear in this report.

## Weather Reports

Weather reports are provided for each location. Reports are generated from planting date to date of harvest. The report includes the minimum and maximum temperatures, as well as cumulative precipitation. Weather data is obtained from Meteostat (<https://dev.meteostat.net/bulk/>) using Python library as an interface to bulk data dumps. Meteostat uses a mix of NOAA observations and model data by default. Weather models are generally used to provide analysis for geographical locations where observed data is lacking. Greater spatial resolution of nearby observed data will improve model data. While not as good as measured observations, especially for local precipitation events and thunderstorms, composite weather data provides insight on factors influencing crop performance across various regions in Texas.

**Figure 1. 2023 Grain Sorghum Trial Locations**



# 2023 Grain Sorghum Hybrid Characteristics



Company	Brand	Hybrid	Grain Color	Plant Color	Maturity
Bayer	DEKALB	DKS 28-07	Bronze		Early
Bayer	DEKALB	DKS 54-07	Red	Purple	Medium-Late
Bayer	DEKALB	DKS 45-60	Bronze	Purple	Medium
Bayer	DEKALB	DKS 44-07	Red	Purple	Medium
Bayer	DEKALB	DKS 50-07	Red	Purple	Medium-Late
Bayer	DEKALB	DKS 40-76	Bronze	Purple	Medium-Early
Bayer	DEKALB	DKS 33-07	Bronze		Medium-Early
Bayer	DEKALB	DKS 36-07	Bronze	Purple	Medium-Early
Innvictis Seed Solutions	Innvictis	GS62R23	Red	Purple	Medium-Early
Innvictis Seed Solutions	Innvictis	GS70R23	Red	Purple	Medium
Innvictis Seed Solutions	Innvictis	GS71R23	Red	Purple	Medium-Late
Innvictis Seed Solutions	Innvictis	X166R23	Red	Purple	Medium
LG Seeds	Golden Acres	3180B	Bronze	Purple	Medium
LG Seeds	Golden Acres	4880R	Red	Purple	Late
LG Seeds	Golden Acres	3070R			N/A
Nutrien Ag	Dyna-Gro	GX22934	Bronze		Medium-Late
Nutrien Ag	Dyna-Gro	M59GB94	Bronze	Purple	Early
Nutrien Ag	Dyna-Gro	M63GB78	Bronze	Purple	Medium
Nutrien Ag	Dyna-Gro	M67GB87	Bronze	Purple	Medium-Late
Nutrien Ag	Dyna-Gro	M72GB71	Bronze	Purple	Medium-Late
Nutrien Ag	Dyna-Gro	GX22932	Red		Medium-Late
Nutrien Ag	Dyna-Gro	M71GR91	Red	Purple	Medium-Late

# 2023 Grain Sorghum Hybrid Characteristics



Company	Brand	Hybrid	Grain Color	Plant Color	Maturity
Nutrien Ag	Dyna-Gro	GX22937	Bronze		Medium-Late
Nutrien Ag	Dyna-Gro	GX22936	Bronze		Medium-Early
Nutrien Ag	Dyna-Gro	GX22923	Cream		Medium-Early
Nutrien Ag	Dyna-Gro	M60GB31	Bronze	Purple	Medium-Early
Nutrien Ag	Dyna-Gro	M54GR24	Red		Early
S&W Seed Company	Sorghum Partners	SP7715	Bronze	Purple	Medium-Late
S&W Seed Company	Sorghum Partners	SP65M60	Bronze	Purple	Medium
Scott Seed Company	Scott Seed	S78A30	Red	Purple	Medium
Scott Seed Company	Scott Seed	S75N75	Red	Purple	Medium-Early
Scott Seed Company	Scott Seed	S75N495	Red	Purple	Medium
Scott Seed Company	Scott Seed	S75A60	Red	Purple	Medium
Warner Seeds Inc.	Warner Seed	P22687	White	Purple	Medium-Late
Warner Seeds Inc.	Warner Seed	P22673	Red	Tan	Medium-Late
Wilbur-Ellis Company	Integra	G3711	Red	Purple	Late
Wilbur-Ellis Company	Integra	G3665	Bronze	Purple	Medium
Wilbur-Ellis Company	Integra	G3640	Bronze	Purple	Medium

Hybrid characteristics are provided by representatives of each company. For additional information contact your local seed dealer or:  
 Katrina Horn  
 katrina.horn@ag.tamu.edu  
 979-845-8505

# Grain Sorghum

## Company Contacts



Company	Brand	Contact Information	Phone	Email
Bayer	DEKALB	Kagan Randolph PO Box 433 Sunray, TX 79086	806-338-1751	kagan.randolph@bayer.com
Bayer	DEKALB	Scott Stanislav 800 N. Lindbergh St. Louis, MO 63141	573-253-4962	scott.stanislav@bayer.com
Innvictis Seed Solutions	Innvictis	Max Crittenden 1803 Laura Ln College Station, TX 77840	542-652-0032	max.crittenden@innvictis.com
LG Seeds	LG Seeds	Jorge Guzman 1212 E Jackson Ave Phar, TX 78577	956-603-7133	jorge.guzman@lgseeds.com
LG Seeds	LG Seeds	Matt Teply 1122 E 169th Street Westfield, IN 46074	308-883-0515	matt.teply@lgseeds.com
Nutrien Ag	Dyna-Gro	Cord Willms 1024 Willms Road Columbus, TX 78934	361-960-4399	james.willms@nutrien.com
S&W Seed Company	Sorghum Partners	Scott Staggenborg 2101 Ken Pratt Blvd. Suite 201 Longmont, CO 80501	785-313-3115	scottstaggenborg@swseedco.com
Scott Seed Company	Scott Seed	Chuck Cieloncki 114 E New York St Hereford, TX 79045	806-683-1868	chuck@scottseed.net
Warner Seeds Inc.	Warner Seed	Cheb Kreuger PO Box 1877 Hereford, TX 79045	806-364-4470	ckrueger@warnerseeds.com
Wilbur-Ellis Company	Integra	David Ferrell 123 Champions Ct Georgetown, TX 78628	662-671-9004	dferrell@wilburellis.com

## Monte Alto Full 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)
Dyna-Gro	GX22937	68	53	6	0	13.5	62.6	8,138
DEKALB	DKS 44-07	66	52	6	0	13.1	62.0	8,122
Dyna-Gro	GX22932	68	54	6	0	13.8	62.4	8,015
DEKALB	DKS 50-07	68	54	6	0	13.5	62.5	8,010
DEKALB	DKS 54-07	70	53	5	0	13.6	62.1	7,877
Golden Acres	4880R	70	54	5	0	13.4	62.3	7,748
Integra	G3711	69	55	6	0	13.5	62.7	7,717
Dyna-Gro	GX22934	67	54	5	0	13.4	62.1	7,678
Dyna-Gro	M71GR91	70	53	5	0	13.0	61.7	7,533
Dyna-Gro	M67GB87	66	52	5	0	12.6	60.2	7,206
Integra	G3665	64	53	6	0	12.1	59.7	7,153
Integra	G3640	62	50	6	0	12.2	60.1	7,097
Golden Acres	3070R	67	53	4	0	14.4	61.6	7,047
DEKALB	DKS 45-60	66	55	7	0	13.6	61.6	6,967
DEKALB	DKS 40-76	63	52	6	0	12.5	61.0	6,659
Dyna-Gro	GX22936	64	50	6	0	12.6	60.9	6,593
Dyna-Gro	M72GB71	67	53	5	0	13.1	61.2	6,494
Dyna-Gro	M63GB78	63	51	6	0	12.8	60.8	6,279
Dyna-Gro	M60GB31	64	46	5	0	12.4	61.0	5,525

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

# Monte Alto Full 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>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #f2f2f2;">Mean</td> <td style="text-align: center;">66</td> <td style="text-align: center;">52</td> <td style="text-align: center;">5</td> <td style="text-align: center;">0.0</td> <td style="text-align: center;">13.1</td> <td style="text-align: center;">61.5</td> <td style="text-align: center;">7,256</td> </tr> <tr> <td style="background-color: #f2f2f2;">C.V. %</td> <td style="text-align: center;">1.8</td> <td style="text-align: center;">2.9</td> <td style="text-align: center;">26.1</td> <td></td> <td style="text-align: center;">3.0</td> <td style="text-align: center;">1.3</td> <td style="text-align: center;">5.2</td> </tr> <tr> <td style="background-color: #f2f2f2;">P&gt;f (hybrid)</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> <td></td> <td></td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> </tr> <tr> <td style="background-color: #f2f2f2;">L.S.D.</td> <td style="text-align: center;">1.7</td> <td style="text-align: center;">2.2</td> <td></td> <td></td> <td style="text-align: center;">0.6</td> <td style="text-align: center;">1.1</td> <td style="text-align: center;">534.1</td> </tr> </table>							Mean	66	52	5	0.0	13.1	61.5	7,256	C.V. %	1.8	2.9	26.1		3.0	1.3	5.2	P>f (hybrid)	0.000	0.000			0.000	0.000	0.000	L.S.D.	1.7	2.2			0.6	1.1	534.1
Mean	66	52	5	0.0	13.1	61.5	7,256																																	
C.V. %	1.8	2.9	26.1		3.0	1.3	5.2																																	
P>f (hybrid)	0.000	0.000			0.000	0.000	0.000																																	
L.S.D.	1.7	2.2			0.6	1.1	534.1																																	
Plant Date	2/26/2023	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #f2f2f2;">Trial Notes</th> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;">*Trial was pre-watered</td> </tr> </table>							Trial Notes		*Trial was pre-watered																													
Trial Notes																																								
*Trial was pre-watered																																								
Harvest Date	6/24/2023																																							
Irrigated	Yes																																							
Row Spacing (in)	30																																							
Number of Rows	2																																							
Target Seeds per Acre	80,000																																							
Precipitation (in)	18.52																																							
Irrigation (in)	0																																							
Herbicide	1.5 lb/ac Atrazine + 1.66 pt/ac S-Metolachlor																																							
Soil Type	Hidalgo sandy clay loam	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>																																				
Tillage	Conventional	N (lb/ac)	112	NO3-N (ppm)		pH																																		
Previous Crop	Sorghum	P2O5 (lb/ac)	45	P (ppm)*		Conductivity (umho/cm)																																		
		K2O (lb/ac)	0	K (ppm)*		Ca (ppm)*																																		
		S (lb/ac)	0	S (ppm)*		Mg (ppm)*																																		
		Zn (lb/ac)	0			Na (ppm)*																																		

**Cooperator:** Texas AgriScience

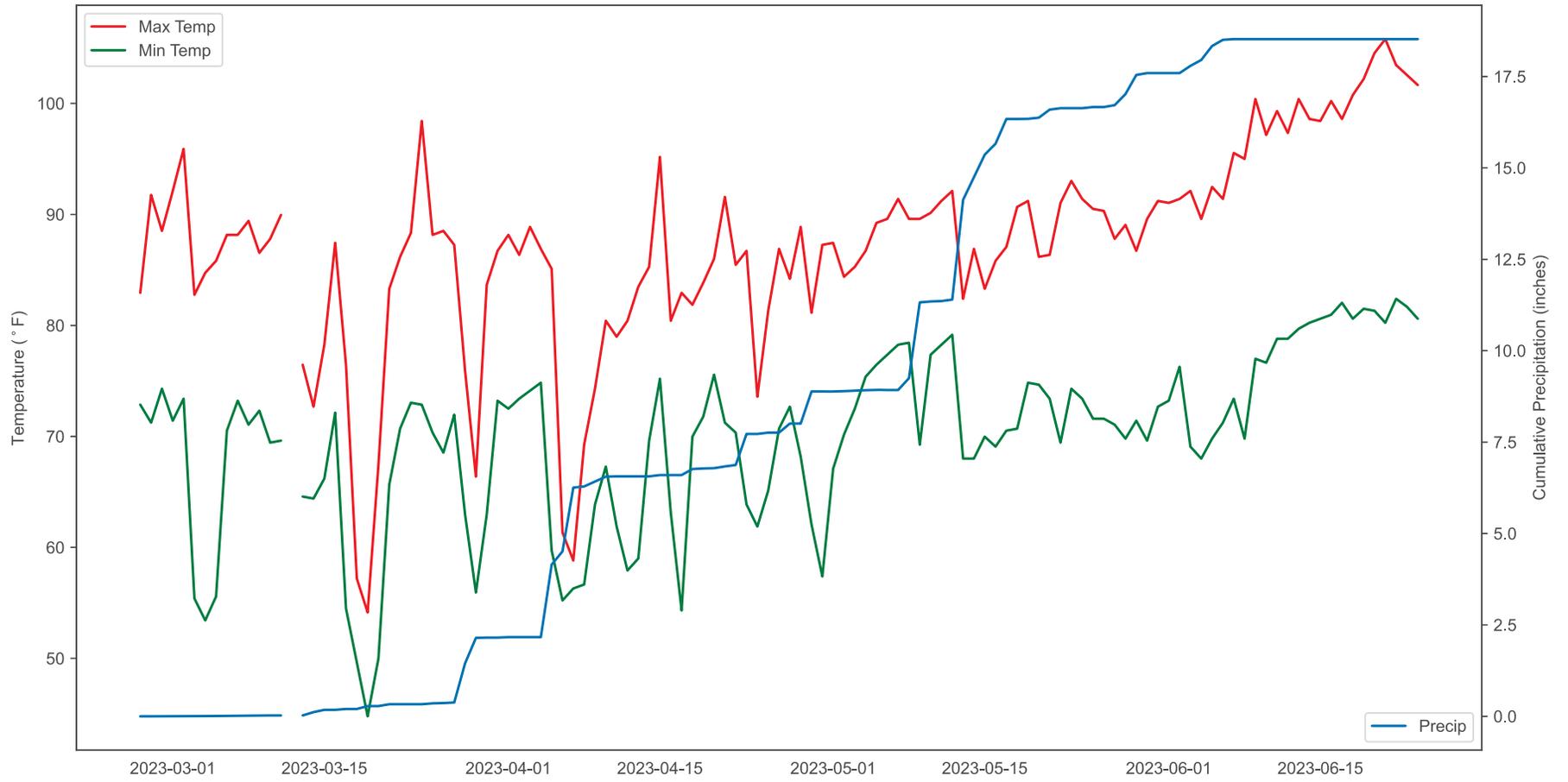
Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted 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:

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

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

2023 Grain Sorghum Monte Alto Full



# Grain Sorghum

## Monte Alto Full

### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 54-07	8,223	7,516
Nutrien Ag	Dyna-Gro	GX22934	7,990	
Wilbur-Ellis Company	Integra	G3711	7,984	7,058
Nutrien Ag	Dyna-Gro	GX22932	7,969	
Bayer	DEKALB	DKS 50-07	7,880	7,400
Wilbur-Ellis Company	Integra	G3665	7,795	7,317
Bayer	DEKALB	DKS 44-07	7,703	7,337
LG Seeds	Golden Acres	4880R	7,700	
Nutrien Ag	Dyna-Gro	M67GB87	7,626	7,061
Nutrien Ag	Dyna-Gro	M71GR91	7,602	6,885
Nutrien Ag	Dyna-Gro	M72GB71	7,188	6,729
Bayer	DEKALB	DKS 40-76	7,078	6,588
Nutrien Ag	Dyna-Gro	M63GB78	6,519	6,227
Nutrien Ag	Dyna-Gro	M60GB31	6,029	

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.

# Monte Alto Limited 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 44-07	69	49	6	0	11.6	57.6	6,566
Integra	G3711	71	53	5	0	11.8	59.1	6,382
Dyna-Gro	GX22937	70	51	7	0	11.1	60.0	6,323
DEKALB	DKS 50-07	70	53	6	0	11.0	59.9	6,126
DEKALB	DKS 54-07	72	54	6	0	10.5	57.2	6,125
Golden Acres	4880R	72	54	6	0	11.5	58.4	6,120
Integra	G3665	68	49	7	0	11.0	55.4	5,963
Dyna-Gro	GX22932	70	51	7	0	12.2	58.9	5,950
Dyna-Gro	M71GR91	73	54	5	0	11.8	58.7	5,914
Dyna-Gro	GX22934	70	53	5	0	12.0	59.6	5,812
Dyna-Gro	M67GB87	68	51	6	0	10.9	58.4	5,589
Dyna-Gro	M72GB71	70	54	6	0	11.8	58.4	5,584
Integra	G3640	68	47	11	0	11.1	56.4	5,409
Scott Seed	S75A60	68	53	7	0	11.0	57.4	5,322
Golden Acres	3070R	71	50	3	0	11.5	57.7	5,194
Scott Seed	S75N495	74	53	2	0	12.2	59.5	5,148
DEKALB	DKS 45-60	69	55	11	0	11.1	56.7	5,121
Dyna-Gro	GX22936	67	48	11	0	10.5	58.3	5,029
Dyna-Gro	M60GB31	69	46	6	0	10.8	56.3	5,007
DEKALB	DKS 40-76	68	51	11	0	11.4	55.8	4,763
Dyna-Gro	M63GB78	67	48	9	0	11.8	57.8	4,644

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

## Monte Alto Limited 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)
Scott Seed	S78A30	68	52	6	0	10.7	56.6	4,614
Scott Seed	S75N75	68	56	6	0	11.3	56.6	4,057

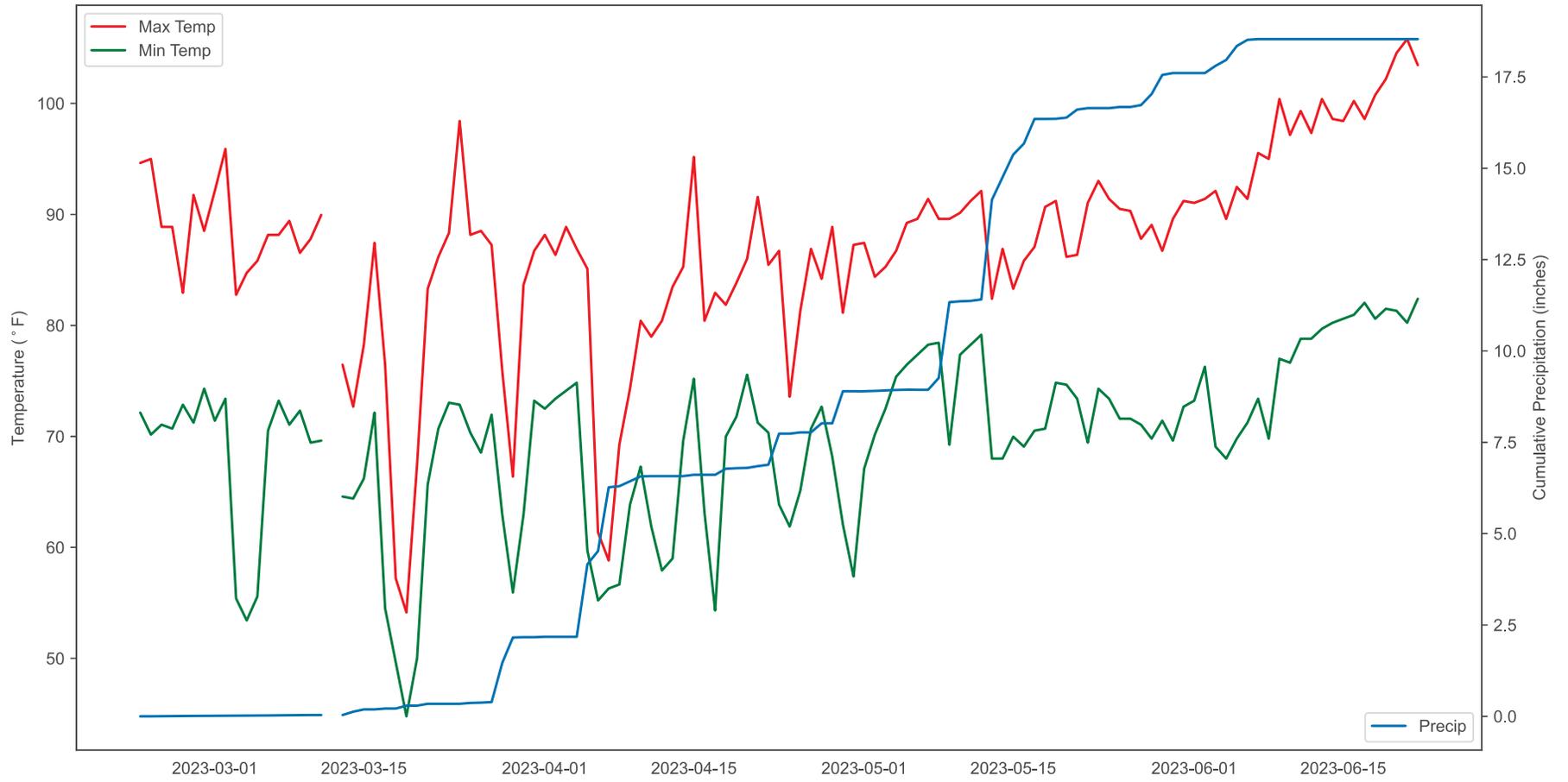
\*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.

# Monte Alto Limited 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	69	51	7	0.0	57.8	5,511
Plant Date	2/22/2023	C.V. %	1.8	3.1	21.3	8.1	3.3	7.1
Harvest Date	6/22/2023	P>f (hybrid)	0.000	0.000		0.256	0.109	0.000
Irrigated	Yes	L.S.D.	1.8	2.3				554.2
Row Spacing (in)	30	<b>Trial Notes</b>						
Number of Rows	2	*Trial was pre-watered						
Target Seeds per Acre	55,000	Cooperator: Texas AgriScienc						
Precipitation (in)	18.54	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)	0	Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505						
Herbicide	1.5 lb/ac Atrazine + 1.66 pt/ac S-Metolachlor	* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer						
Soil Type	Hidalgo sandy clay loam	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Tillage	Conventional	N (lb/ac)	70	NO3-N (ppm)		pH		
Previous Crop	Soybean	P2O5 (lb/ac)	30	P (ppm)*		Conductivity (umho/cm)		
		K2O (lb/ac)	0	K (ppm)*		Ca (ppm)*		
		S (lb/ac)	0	S (ppm)*		Mg (ppm)*		
		Zn (lb/ac)	0			Na (ppm)*		

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

2023 Grain Sorghum Monte Alto Limited



# Grain Sorghum

## Monte Alto Limited

### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 44-07	6,672	6,474
Nutrien Ag	Dyna-Gro	M71GR91	6,210	6,207
Bayer	DEKALB	DKS 54-07	6,187	6,241
Bayer	DEKALB	DKS 50-07	6,167	6,223
Wilbur-Ellis Company	Integra	G3711	6,086	6,080
Nutrien Ag	Dyna-Gro	GX22934	6,031	
Wilbur-Ellis Company	Integra	G3665	5,988	5,923
Nutrien Ag	Dyna-Gro	M72GB71	5,832	5,637
Nutrien Ag	Dyna-Gro	GX22932	5,791	
Scott Seed Company	Scott Seed	S75N495	5,638	
Scott Seed Company	Scott Seed	S75A60	5,612	
Nutrien Ag	Dyna-Gro	M67GB87	5,440	5,482
Scott Seed Company	Scott Seed	S78A30	5,158	
Nutrien Ag	Dyna-Gro	M63GB78	5,053	4,874
Nutrien Ag	Dyna-Gro	M60GB31	5,005	
Bayer	DEKALB	DKS 40-76	4,845	4,852
Scott Seed Company	Scott Seed	S75N75	4,516	

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.

## Driscoll

### 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 50-07	74	50	8	0	13.5	57.2	5,595
Integra	G3640	73	47	10	0	14.5	58.5	5,337
Dyna-Gro	M67GB87	74	50	7	0	14.0	57.7	5,217
Dyna-Gro	GX22932	N/A	50	7	0	14.4	58.7	5,145
DEKALB	DKS 44-07	73	48	9	0	15.0	59.3	5,115
DEKALB	DKS 54-07	75	51	8	0	16.1	58.8	5,098
Dyna-Gro	GX22937	74	50	9	0	15.0	58.2	5,092
Dyna-Gro	GX22936	72	47	10	0	13.8	58.4	5,076
Dyna-Gro	M72GB71	74	49	7	0	13.7	57.1	5,052
Integra	G3711	75	50	8	0	15.6	58.4	5,018
Dyna-Gro	M71GR91	75	52	9	0	15.2	58.0	4,918
Dyna-Gro	GX22934	73	51	9	0	14.7	60.4	4,840
Dyna-Gro	M63GB78	72	45	9	0	14.4	58.5	4,689
DEKALB	DKS 40-76	72	46	10	0	14.7	60.1	4,638
DEKALB	DKS 45-60	72	50	10	0	14.3	60.2	4,631
Dyna-Gro	M60GB31	73	42	5	0	16.2	58.5	4,547
Integra	G3665	72	48	8	0	13.4	57.7	4,354
Warner Seed	P22687	74	49	8	0	13.9	56.0	4,214

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

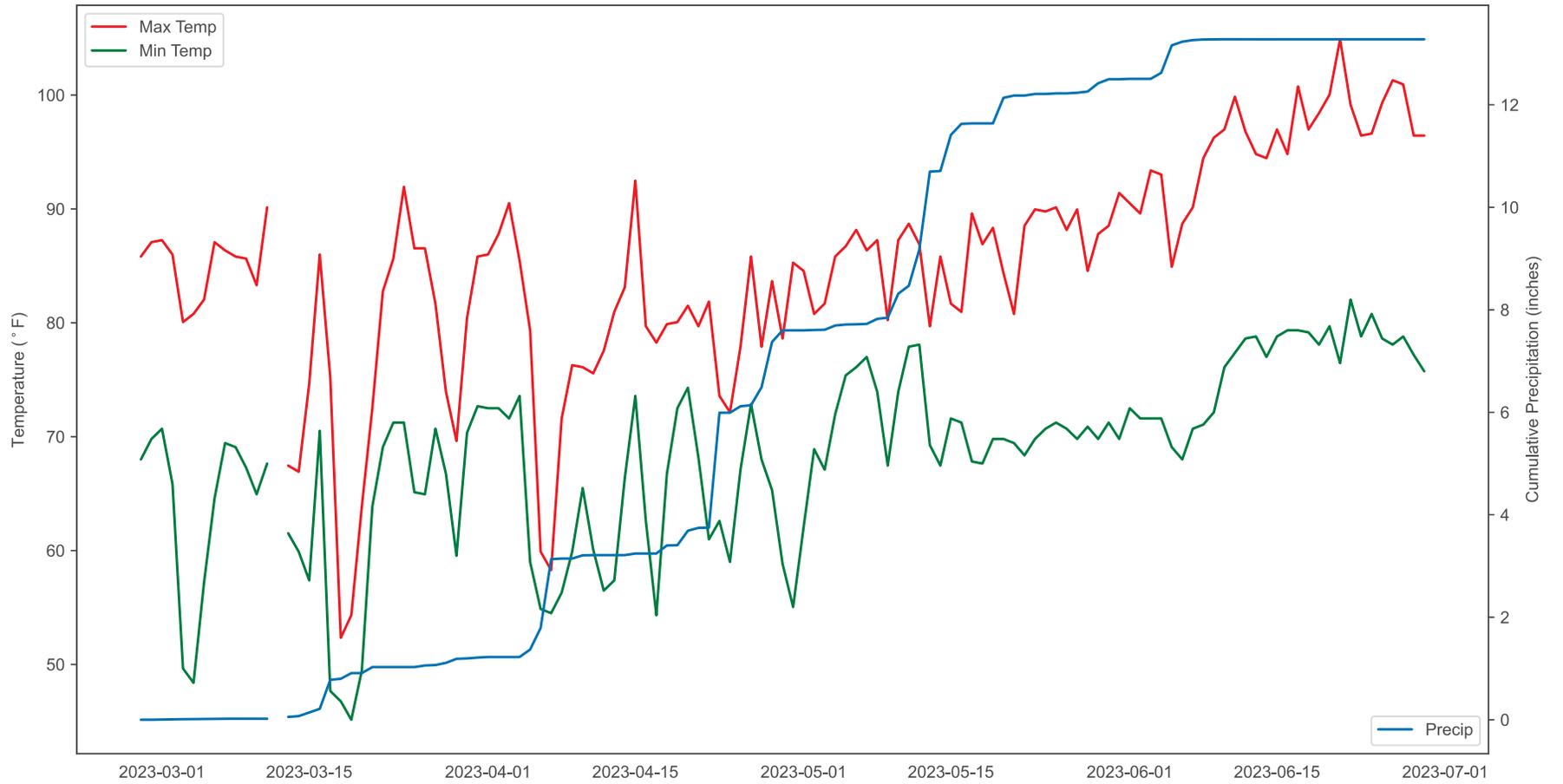
# Driscoll

## 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	49	8	0.0	14.6	58.4	4,921
Plant Date	2/27/2023	C.V. %	0.8	3.0	14.1		6.6	2.9	10.5
Harvest Date	6/29/2023	P>f (hybrid)	0.001	0.000	0.000		0.011	0.081	0.000
Irrigated	No	L.S.D.	1.3	2.1	1.7		1.4		480.2
Row Spacing (in)	30	<b>Trial Notes</b>		<b>Cooperator:</b> McNair Farms					
Number of Rows	2			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:					
Target Seeds per Acre	60,000			Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505					
Precipitation (in)	13.28			* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer					
Irrigation (in)									
Herbicide									
Soil Type	Victoria clay	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>					
Tillage	Conventional	N (lb/ac)		NO3-N (ppm)	40	pH		7.7	
Previous Crop	Cotton	P2O5 (lb/ac)		P (ppm)*	26	Conductivity (umho/cm)		240	
		K2O (lb/ac)		K (ppm)*	667	Ca (ppm)*		11,706	
		S (lb/ac)		S (ppm)*	69	Mg (ppm)*		466	
		Zn (lb/ac)				Na (ppm)*		76	

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

2023 Grain Sorghum Driscoll



## Driscoll

### 2023 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
Warner Seed	P22687	47,335	47,916	79	0.03	0.0	0.09		
Integra	G3640	51,183	53,361	85	0.04	0.0	0.10		
Integra	G3665	50,820	55,757	85	0.11	0.0	0.08		
Integra	G3711	43,342	47,480	72	0.14	0.0	0.10		
Dyna-Gro	GX22932	39,204	47,045	65	0.15	0.0	0.11		
Dyna-Gro	GX22934	48,352	50,094	81	0.11	0.0	0.09		
Dyna-Gro	GX22936	48,569	50,965	81	0.05	0.0	0.10		
Dyna-Gro	GX22937	42,398	46,464	71	0.10	0.0	0.11		
Dyna-Gro	M60GB31	48,352	49,223	81	0.04	0.0	0.10		
Dyna-Gro	M63GB78	35,937	44,867	60	0.26	0.0	0.10		
Dyna-Gro	M67GB87	41,818	49,223	70	0.22	0.0	0.11		
Dyna-Gro	M71GR91	44,649	46,174	74	0.12	0.0	0.10		
Dyna-Gro	M72GB71	41,382	43,124	69	0.04	0.0	0.10		
DEKALB	DKS 40-76	49,078	51,982	82	0.06	0.0	0.09		
DEKALB	DKS 44-07	52,925	55,321	88	0.06	0.0	0.09		
DEKALB	DKS 45-60	47,916	49,223	80	0.14	0.0	0.10		
DEKALB	DKS 50-07	51,183	55,539	85	0.13	0.0	0.10		
DEKALB	DKS 54-07		44,722	76	0.04	0.0	0.11		

# Driscoll

## 2023 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	46,113	49,360	77	0.10	0.0	0.10		
------	--------	--------	----	------	-----	------	--	--

### Agronomic information

Plant Date	2/27/2023
Harvest Date	6/29/2023
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	60,000
Precipitation (in)	13.28
Irrigation (in)	
Herbicide	
Soil Type	Victoria clay
Tillage	Conventional
Previous Crop	Cotton

### Trial Notes

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

**Cooperator:** McNair Farms

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

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)		NO3-N (ppm)	40	pH	7.7
P2O5 (lb/ac)		P (ppm)*	26	Conductivity (umho/cm)	240
K2O (lb/ac)		K (ppm)*	667	Ca (ppm)*	11,706
S (lb/ac)		S (ppm)*	69	Mg (ppm)*	466
Zn (lb/ac)				Na (ppm)*	76

# Grain Sorghum

## Driscoll

### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 50-07	4,784	4,694
Nutrien Ag	Dyna-Gro	GX22932	4,693	
Bayer	DEKALB	DKS 44-07	4,617	4,691
Nutrien Ag	Dyna-Gro	M60GB31	4,534	
Bayer	DEKALB	DKS 54-07	4,494	4,446
Nutrien Ag	Dyna-Gro	M67GB87	4,477	4,394
Bayer	DEKALB	DKS 45-60	4,455	4,347
Nutrien Ag	Dyna-Gro	GX22934	4,420	
Wilbur-Ellis Company	Integra	G3711	4,334	4,566
Nutrien Ag	Dyna-Gro	M71GR91	4,333	4,638
Nutrien Ag	Dyna-Gro	M72GB71	4,115	3,907
Wilbur-Ellis Company	Integra	G3665	4,029	4,365
Bayer	DEKALB	DKS 40-76	3,895	4,140
Nutrien Ag	Dyna-Gro	M63GB78	3,769	3,835

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.

## Gregory 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)
Dyna-Gro	GX22937	71	51	7	0	16.8	57.4	7,703
Dyna-Gro	M71GR91	71	52	6	0	16.9	58.5	7,427
Dyna-Gro	GX22932	70	52	6	0	17.1	58.1	7,407
DEKALB	DKS 50-07	70	50	7	0	17.3	59.3	7,404
Integra	G3711	70	52	7	0	17.3	58.6	7,396
DEKALB	DKS 44-07	70	50	10	0	17.3	58.5	7,258
Dyna-Gro	M72GB71	71	51	6	0	16.4	58.0	7,203
Golden Acres	4880R	71	53	6	0	16.9	58.1	7,195
DEKALB	DKS 54-07	72	53	8	0	17.1	58.0	7,100
Dyna-Gro	M67GB87	68	49	6	0	16.9	56.1	7,061
Integra	G3640	68	50	10	0	17.0	58.6	7,040
DEKALB	DKS 45-60	69	53	11	0	15.0	54.3	6,993
Dyna-Gro	GX22934	70	52	8	0	17.3	59.4	6,977
Dyna-Gro	GX22936	67	50	10	0	18.2	57.4	6,977
Scott Seed	S75N495	74	53	5	0	17.3	57.8	6,598
Integra	G3665	69	49	8	0	16.3	56.6	6,572
DEKALB	DKS 40-76	67	50	10	0	17.2	58.3	6,521
Scott Seed	S75A60	70	49	5	0	17.6	58.4	6,333
Dyna-Gro	M63GB78	68	49	10	0	17.3	58.0	6,043
Innvictis	X166R23	71	49	6	0	17.1	58.1	5,935
Dyna-Gro	M60GB31	68	44	6	0	17.1	58.1	5,925

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

## Gregory 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)
Scott Seed	S78A30	69	49	5	0	17.2	57.1	5,668
Golden Acres	3070R	70	49	6	0	16.8	59.1	5,541
Scott Seed	S75N75	69	53	8	0	17.6	58.1	5,098

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

# Gregory

## 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	70	51	7	0.0	17.0	57.9	6,724
Plant Date	2/28/2023	C.V. %	1.1	2.8	22.3		7.7	3.5	7.4
Harvest Date	7/7/2023	P>f (hybrid)	0.000	0.000			0.687	0.353	0.000
Irrigated	No	L.S.D.	1.1	2.0					713.5
Row Spacing (in)	30	<b>Trial Notes</b>							
Number of Rows	2	<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>							
Target Seeds per Acre	60,000								
Precipitation (in)	27.5	<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>							
Irrigation (in)		<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>							
Herbicide		<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>							
Soil Type	Victoria clay	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>					
Tillage		N (lb/ac)		NO3-N (ppm)	69	pH		7.7	
Previous Crop		P2O5 (lb/ac)		P (ppm)*	31	Conductivity (umho/cm)		218	
		K2O (lb/ac)		K (ppm)*	381	Ca (ppm)*		8,245	
		S (lb/ac)		S (ppm)*	59	Mg (ppm)*		364	
		Zn (lb/ac)				Na (ppm)*		129	

**Cooperator:** Joel Hoskinson

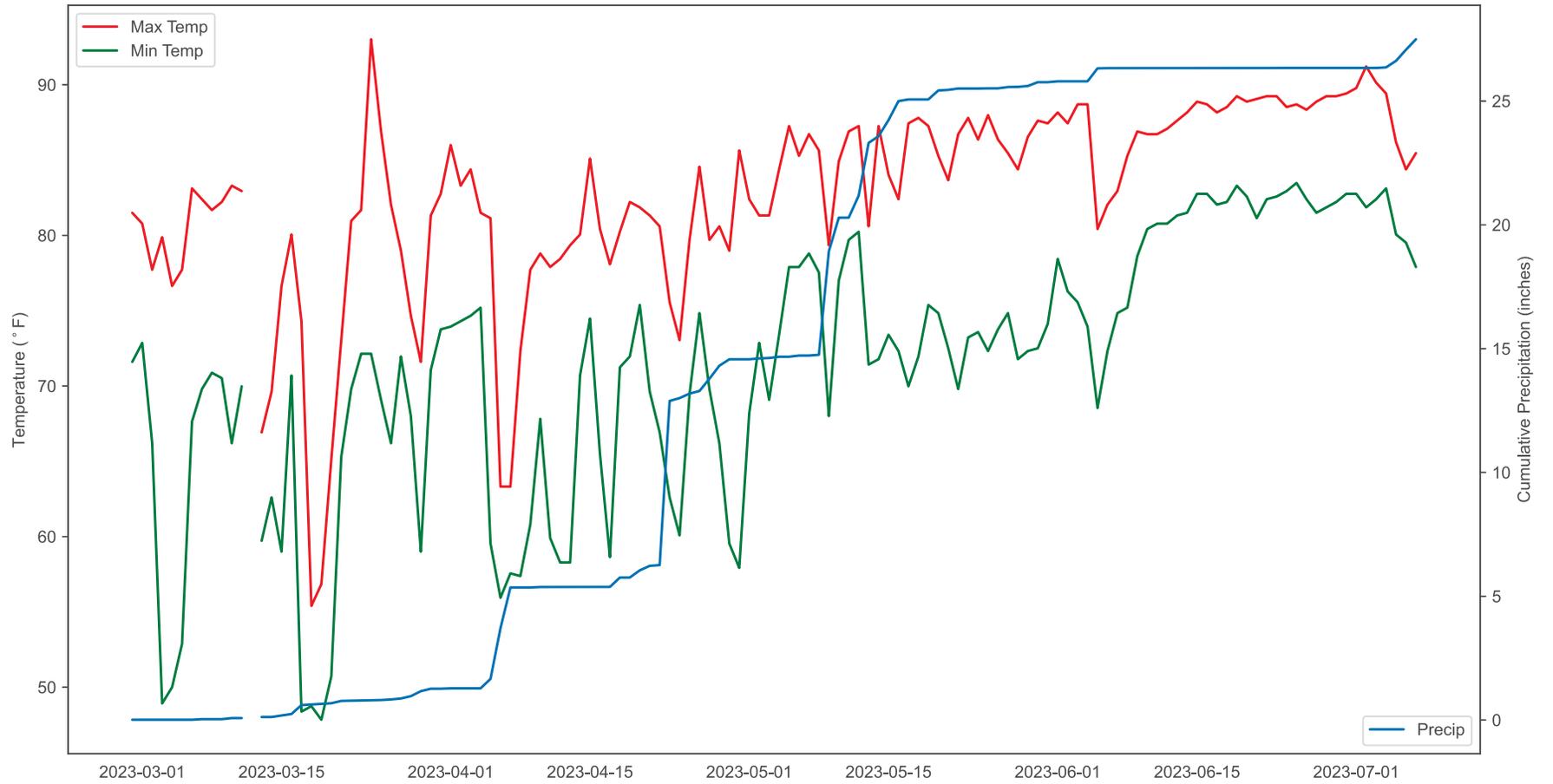
Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted 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

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

2023 Grain Sorghum Gregory



## Gregory 2023 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
Scott Seed	S75A60	53,143	62,726	89	0.19	0.0	0.10		
Scott Seed	S75N495		54,450	93	0.02	0.0	0.12		
Scott Seed	S75N75	35,284	48,134	59	0.36	0.0	0.11		
Scott Seed	S78A30	38,333	50,530	64	0.32	0.0	0.11		
Integra	G3640	57,281	63,815	95	0.11	0.0	0.11		
Integra	G3665	57,499	68,171	96	0.19	0.0	0.10		
Integra	G3711	54,668	61,420	91	0.12	0.0	0.12		
Innvictis	X166R23	41,818	48,569	70	0.16	0.0	0.12		
Golden Acres	3070R	41,818	45,738	70	0.14	0.0	0.12		
Golden Acres	4880R	52,562	58,080	88	0.19	0.0	0.12		
Dyna-Gro	GX22932	50,094	63,815	83	0.28	0.0	0.12		
Dyna-Gro	GX22934	55,539	61,855	93	0.11	0.0	0.11		
Dyna-Gro	GX22936	50,965	61,420	85	0.21	0.0	0.11		
Dyna-Gro	GX22937	50,965	66,647	85	0.31	0.0	0.12		
Dyna-Gro	M60GB31	51,401	56,410	86	0.14	0.0	0.11		
Dyna-Gro	M63GB78	44,213	60,331	74	0.37	0.0	0.10		
Dyna-Gro	M67GB87	51,110	69,986	85	0.37	0.0	0.10		
Dyna-Gro	M71GR91	53,797	63,162	90	0.18	0.0	0.12		
Dyna-Gro	M72GB71	51,110	54,305	85	0.07	0.0	0.13		
DEKALB	DKS 40-76	54,886	59,895	91	0.09	0.0	0.11		
DEKALB	DKS 44-07	55,103	67,954	92	0.24	0.0	0.11		
DEKALB	DKS 45-60	52,925	60,331	88	0.14	0.0	0.12		



TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

## Gregory 2023 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
DEKALB	DKS 50-07	53,579	64,033	89	0.19	0.0	0.12		
DEKALB	DKS 54-07	52,490	61,420	87	0.18	0.0	0.12		

# Gregory

## 2023 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	50,672	59,717	84	0.19	0.0	0.11		
------	--------	--------	----	------	-----	------	--	--

**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"/>	NO3-N (ppm)	<input type="text" value="69"/>	pH	<input type="text" value="7.7"/>
P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	<input type="text" value="31"/>	Conductivity (umho/cm)	<input type="text" value="218"/>
K2O (lb/ac)	<input type="text"/>	K (ppm)*	<input type="text" value="381"/>	Ca (ppm)*	<input type="text" value="8,245"/>
S (lb/ac)	<input type="text"/>	S (ppm)*	<input type="text" value="59"/>	Mg (ppm)*	<input type="text" value="364"/>
Zn (lb/ac)	<input type="text"/>			Na (ppm)*	<input type="text" value="129"/>

# Grain Sorghum

## Gregory

### Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 44-07	5,965	6,002
Bayer	DEKALB	DKS 50-07	5,829	5,797
Nutrien Ag	Dyna-Gro	GX22932	5,720	
Nutrien Ag	Dyna-Gro	M67GB87	5,703	5,435
Wilbur-Ellis Company	Integra	G3665	5,654	5,553
Wilbur-Ellis Company	Integra	G3711	5,567	5,695
Bayer	DEKALB	DKS 54-07	5,554	5,750
Nutrien Ag	Dyna-Gro	M71GR91	5,531	5,537
Nutrien Ag	Dyna-Gro	GX22934	5,526	
Bayer	DEKALB	DKS 45-60	5,481	5,586
LG Seeds	Golden Acres	4880R	5,343	
Nutrien Ag	Dyna-Gro	M72GB71	5,326	5,377
Bayer	DEKALB	DKS 40-76	5,261	5,343
Scott Seed Company	Scott Seed	S75N495	5,204	
Nutrien Ag	Dyna-Gro	M60GB31	4,996	
Nutrien Ag	Dyna-Gro	M63GB78	4,770	5,026
Scott Seed Company	Scott Seed	S78A30	4,623	
Scott Seed Company	Scott Seed	S75A60	4,564	
Scott Seed Company	Scott Seed	S75N75	4,400	

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.

## Rosenberg 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)
Dyna-Gro	M72GB71	76	59	8	0	15.2	59.3	8,507
Dyna-Gro	GX22934	76	61	7	0	13.6	57.6	8,435
DEKALB	DKS 54-07	77	61	8	0	14.0	58.1	8,362
Dyna-Gro	M67GB87	75	59	7	0	14.1	57.4	8,289
DEKALB	DKS 44-07	75	58	9	0	14.2	58.2	8,159
Dyna-Gro	GX22937	75	58	8	0	13.8	58.1	8,158
Dyna-Gro	GX22932	75	59	7	0	13.6	57.3	8,018
DEKALB	DKS 45-60	74	56	9	0	15.0	59.0	7,990
Dyna-Gro	M71GR91	77	62	7	0	14.9	58.4	7,984
DEKALB	DKS 50-07	77	60	8	0	14.0	57.2	7,902
Dyna-Gro	GX22936	73	52	8	0	13.3	57.5	7,697
DEKALB	DKS 40-76	74	55	9	0	13.8	57.7	7,613
Dyna-Gro	M63GB78	72	51	6	0	14.4	54.4	7,111
Dyna-Gro	M60GB31	75	51	7	0	14.2	57.5	6,966

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

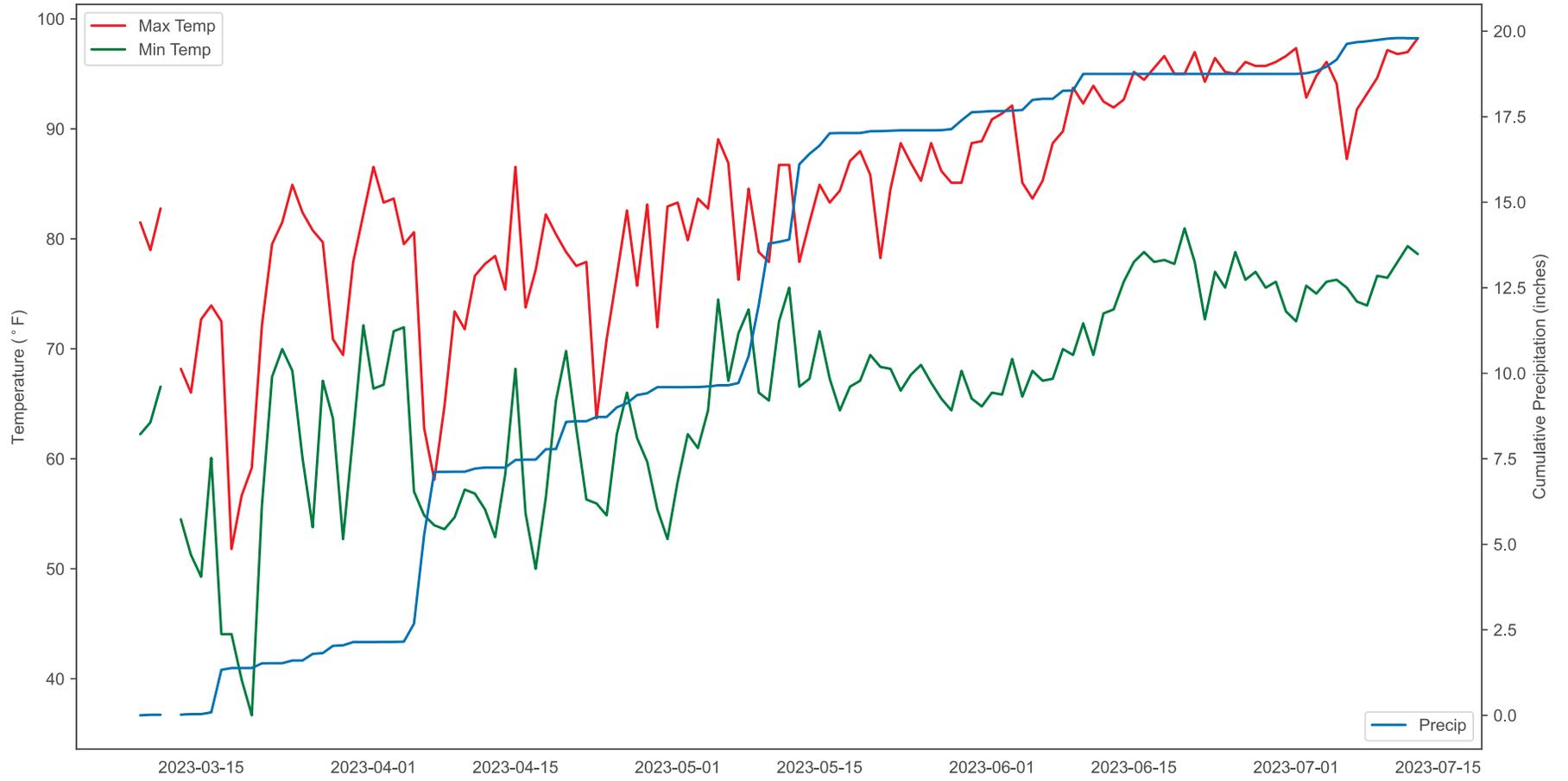
# Rosenberg

## 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	75	57	8	0.0	14.2	57.7	7,942
Plant Date	<input type="text" value="3/9/2023"/>	C.V. %	1.4	2.3	21.4		6.9	3.4	5.4
Harvest Date	<input type="text" value="7/13/2023"/>	P>f (hybrid)	0.000	0.000			0.404	0.541	0.003
Irrigated	<input type="text" value="No"/>	L.S.D.	1.5	1.9					604.8
Row Spacing (in)	<input type="text" value="36"/>	<b>Trial Notes</b>		<b>Cooperator:</b> <input type="text" value="Alan Stasney"/>					
Number of Rows	<input type="text" value="2"/>			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:					
Target Seeds per Acre	<input type="text" value="65,000"/>			Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505					
Precipitation (in)	<input type="text" value="19.8"/>			* Mehlich 3 by ICP, soiltesting.tamu.edu ** Samples collected at planting, some locations may have applied fertilizer					
Irrigation (in)	<input type="text"/>								
Herbicide	<input type="text"/>								
Soil Type	<input type="text" value="Lake Charles clay"/>	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>					
Tillage	<input type="text" value="Conventional"/>	N (lb/ac)	<input type="text"/>	NO3-N (ppm)	<input type="text" value="18"/>	pH	<input type="text" value="5.6"/>		
Previous Crop	<input type="text"/>	P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	<input type="text" value="86"/>	Conductivity (umho/cm)	<input type="text" value="86"/>		
		K2O (lb/ac)	<input type="text"/>	K (ppm)*	<input type="text" value="212"/>	Ca (ppm)*	<input type="text" value="3,954"/>		
		S (lb/ac)	<input type="text"/>	S (ppm)*	<input type="text" value="41"/>	Mg (ppm)*	<input type="text" value="667"/>		
		Zn (lb/ac)	<input type="text"/>			Na (ppm)*	<input type="text" value="24"/>		

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

2023 Grain Sorghum Rosenberg



## Rosenberg

### 2023 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
Dyna-Gro	GX22932	51,728	66,792	80	0.30	0.0	0.12		
Dyna-Gro	GX22934	53,906	61,347	83	0.14	0.0	0.14		
Dyna-Gro	GX22936	56,084	61,347	86	0.10	0.0	0.13		
Dyna-Gro	GX22937	51,728	61,166	80	0.19	0.0	0.13		
Dyna-Gro	M60GB31	52,998	58,443	82	0.15	0.0	0.12		
Dyna-Gro	M63GB78	44,831	60,077	69	0.34	0.0	0.12		
Dyna-Gro	M67GB87	49,731	60,077	77	0.21	0.0	0.14		
Dyna-Gro	M71GR91	56,084	58,806	86	0.05	0.0	0.14		
Dyna-Gro	M72GB71	52,998	54,087	82	0.04	0.0	0.16		
DEKALB	DKS 40-76	59,351	64,977	91	0.10	0.0	0.12		
DEKALB	DKS 44-07	60,803	66,792	94	0.10	0.0	0.12		
DEKALB	DKS 45-60	53,724	60,258	83	0.12	0.0	0.13		
DEKALB	DKS 50-07	57,536	62,799	89	0.12	0.0	0.13		
DEKALB	DKS 54-07	54,269	58,443	83	0.08	0.0	0.14		

# Rosenberg

## 2023 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	53,983	61,101	83	0.15	0.0	0.13		
------	--------	--------	----	------	-----	------	--	--

Agronomic information	
Plant Date	3/9/2023
Harvest Date	7/13/2023
Irrigated	No
Row Spacing (in)	36
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	19.8
Irrigation (in)	
Herbicide	
Soil Type	Lake Charles clay
Tillage	Conventional
Previous Crop	

Trial Notes

**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:

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)		NO3-N (ppm)	18	pH	5.6
P2O5 (lb/ac)		P (ppm)*	86	Conductivity (umho/cm)	86
K2O (lb/ac)		K (ppm)*	212	Ca (ppm)*	3,954
S (lb/ac)		S (ppm)*	41	Mg (ppm)*	667
Zn (lb/ac)				Na (ppm)*	24

## College Station 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)
Dyna-Gro	GX22934	76	61	5	0	14.5	59.7	7,529
DEKALB	DKS 54-07	78	63	6	0	14.4	59.1	7,510
Integra	G3711	78	62	5	0	15.2	60.6	7,501
Golden Acres	4880R	79	60	4	0	14.4	59.7	7,095
DEKALB	DKS 44-07	74	55	5	0	13.7	60.2	7,082
Integra	G3665	73	56	5	0	13.2	58.7	6,981
DEKALB	DKS 50-07	77	59	4	0	15.1	60.1	6,928
Integra	G3640	75	56	6	0	13.5	59.5	6,813
Dyna-Gro	GX22937	75	58	5	0	13.8	59.7	6,784
Dyna-Gro	GX22936	74	56	7	0	13.8	59.8	6,639
DEKALB	DKS 45-60	76	60	8	0	14.2	60.2	6,597
DEKALB	DKS 40-76	75	57	8	0	14.0	59.2	6,559
Dyna-Gro	M71GR91	78	59	6	0	14.4	59.9	6,495
Dyna-Gro	M72GB71	77	61	6	0	13.8	59.7	6,251
Dyna-Gro	GX22932	77	60	5	0	13.8	60.2	6,235
Dyna-Gro	M67GB87	76	59	4	0	13.6	58.4	6,208
Sorghum Partners	SP65M60	74	56	5	0	12.9	57.7	5,822
Dyna-Gro	M63GB78	74	54	6	0	13.5	59.3	5,665
Sorghum Partners	SP7715	77	57	6	0	14.3	59.1	5,511
Scott Seed	S75N495	78	63	6	0	14.5	59.7	5,375
Innvictis	X166R23	77	54	3	0	14.4	59.2	5,036

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

## College Station 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)
Golden Acres	3070R	76	53	4	0	14.0	59.4	4,585
Dyna-Gro	M60GB31	76	50	5	0	14.0	58.2	4,537
Innvictis	GS62R23	75	64	7	0	13.4	59.4	4,430
Scott Seed	S75A60	79	59	3	0	14.2	59.0	4,228
Innvictis	GS71R23	80	58	3	0	13.7	59.1	4,048
Scott Seed	S75N75	76	63	7	0	13.8	58.8	3,946
Scott Seed	S78A30	80	54	2	0	13.8	58.3	3,732
Innvictis	GS70R23	80	53	1	0	12.8	57.8	3,540

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

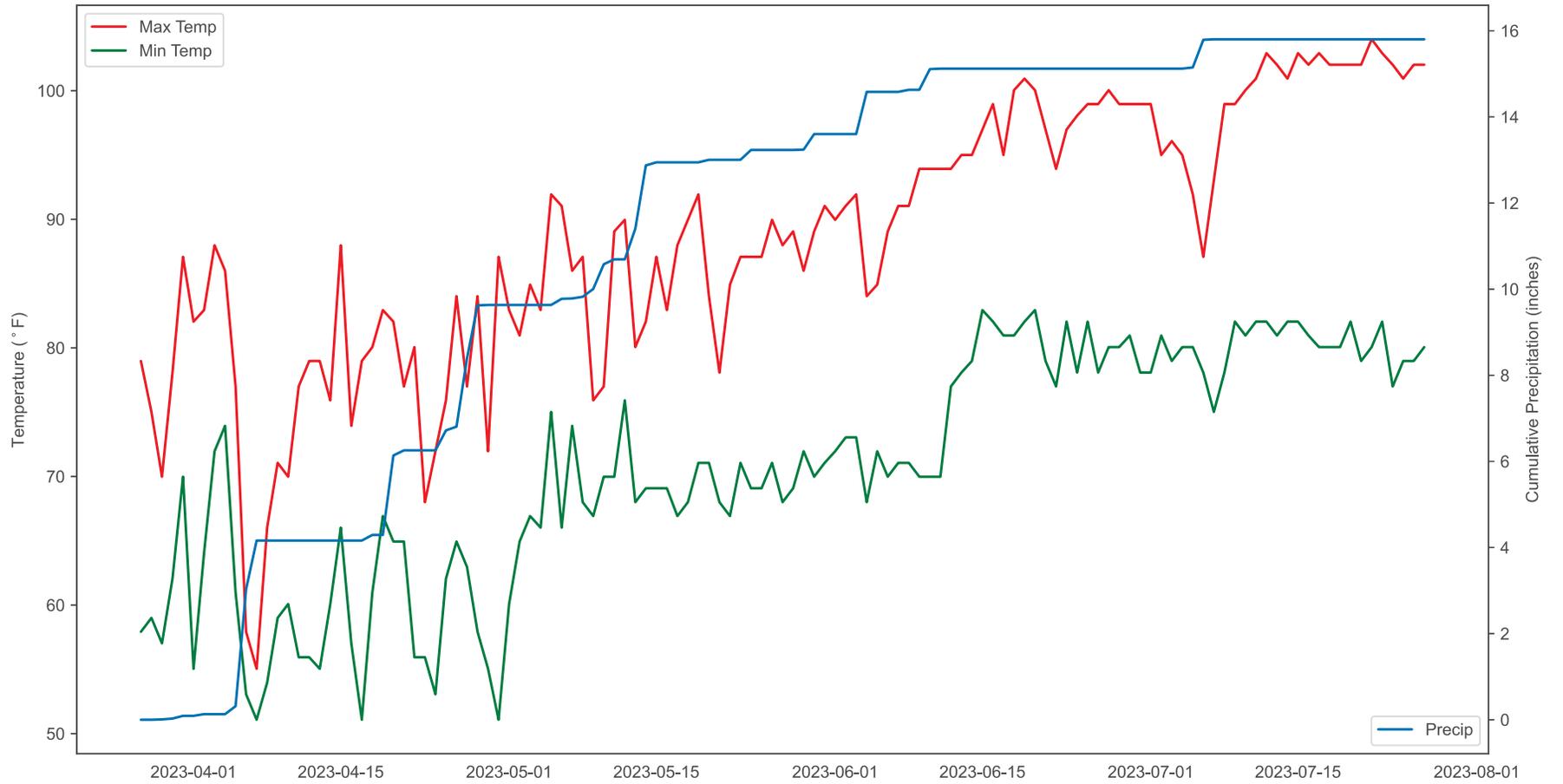
# College Station

## 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	76	58	5	0.0	13.9	59.3	5,850
Plant Date	3/27/2023	C.V. %	1.7	2.9	17.9		5.8	0.9	10.0
Harvest Date	7/27/2023	P>f (hybrid)	0.000	0.000	0.000		0.078	0.000	0.000
Irrigated	Yes	L.S.D.	1.9	2.5	1.3			0.8	969.6
Row Spacing (in)	30	<b>Trial Notes</b>		<b>Cooperator:</b> Texas A&M AgriLife					
Number of Rows	2			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:					
Target Seeds per Acre	80,000			Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505					
Precipitation (in)	15.8								
Irrigation (in)	2								
Herbicide	4 pt/ac Atrazine 4L + 10 oz/ac Outlook								
Soil Type	Weswood silty clay loam								
Tillage	Conventional								
Previous Crop	Grain Sorghum								
		<b>Fertilizer Applied</b>			<b>Soil Analysis Report**</b>				
		N (lb/ac)	100	NO3-N (ppm)	12	pH	7.5		
		P2O5 (lb/ac)	0	P (ppm)*	44	Conductivity (umho/cm)	61		
		K2O (lb/ac)	0	K (ppm)*	192	Ca (ppm)*	5,409		
		S (lb/ac)	18	S (ppm)*	47	Mg (ppm)*	182		
		Zn (lb/ac)	0			Na (ppm)*	14		

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

2023 Grain Sorghum College Station



## College Station

# 2023 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
Sorghum Partners	SP65M60	62,726	63,815	78	0.07	0.0	0.09		
Sorghum Partners	SP7715	59,895	66,211	75	0.11	0.0	0.08		
Scott Seed	S75A60		44,431	67		0.0	0.09		
Scott Seed	S75N495		59,024	76	0.17	0.0	0.09		
Scott Seed	S75N75		35,066	54	0.18	0.0	0.11		
Scott Seed	S78A30		49,876	66	0.08	0.0	0.07		
Integra	G3640	68,171	71,003	85	0.24	0.0	0.10		
Integra	G3665	69,406	73,762	87	0.11	0.0	0.09		
Integra	G3711	67,954	69,696	85	0.03	0.0	0.11		
Innvictis	GS62R23		37,462	64		0.0	0.12		
Innvictis	GS70R23	36,590	41,237	46	0.54	0.0	0.08		
Innvictis	GS71R23		45,085	62	0.13	0.0	0.09		
Innvictis	X166R23	47,335	48,497	59	0.22	0.0	0.10		
Golden Acres	3070R	38,333	43,778	48	0.48	0.0	0.11		
Golden Acres	4880R	64,469	69,478	81	0.12	0.0	0.10		
Dyna-Gro	GX22932	59,242	66,865	74	0.13	0.0	0.09		
Dyna-Gro	GX22934	63,307	66,211	79	0.08	0.0	0.11		
Dyna-Gro	GX22936	68,171	70,567	85	0.09	0.0	0.09		
Dyna-Gro	GX22937		61,420	81	0.03	0.0	0.11		
Dyna-Gro	M60GB31		62,291	78	0.02	0.0	0.07		
Dyna-Gro	M63GB78	49,441	55,975	62	0.20	0.0	0.10		
Dyna-Gro	M67GB87	57,790	60,984	72	0.11	0.0	0.10		

## College Station 2023 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
Dyna-Gro	M71GR91	58,806	70,349	74	0.32	0.0	0.09		
Dyna-Gro	M72GB71		60,548	77	0.04	0.0	0.10		
DEKALB	DKS 40-76		66,211	83	0.03	0.0	0.10		
DEKALB	DKS 44-07	64,469	72,310	81	0.13	0.0	0.10		
DEKALB	DKS 45-60	60,113	68,171	75	0.25	0.0	0.10		
DEKALB	DKS 50-07	64,687	70,349	81	0.24	0.0	0.10		
DEKALB	DKS 54-07	62,146	65,050	78	0.05	0.0	0.11		

# College Station

## 2023 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	58,250	59,852	73	0.16	0.0	0.10		
------	--------	--------	----	------	-----	------	--	--

Agronomic information	
Plant Date	3/27/2023
Harvest Date	7/27/2023
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	80,000
Precipitation (in)	15.8
Irrigation (in)	2
Herbicide	4 pt/ac Atrazine 4L + 10 oz/ac Outlook
Soil Type	Weswood silty clay loam
Tillage	Conventional
Previous Crop	Grain Sorghum

Trial Notes

<b>Cooperator:</b>	Texas A&M AgriLife
<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>	

\* 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)	12	pH	7.5
P2O5 (lb/ac)	0	P (ppm)*	44	Conductivity (umho/cm)	61
K2O (lb/ac)	0	K (ppm)*	192	Ca (ppm)*	5,409
S (lb/ac)	18	S (ppm)*	47	Mg (ppm)*	182
Zn (lb/ac)	0			Na (ppm)*	14

# Grain Sorghum College Station Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 44-07	6,129	6,156
Nutrien Ag	Dyna-Gro	GX22934	5,801	
Wilbur-Ellis Company	Integra	G3665	5,687	5,878
Bayer	DEKALB	DKS 50-07	5,585	5,884
Wilbur-Ellis Company	Integra	G3711	5,530	5,411
Bayer	DEKALB	DKS 54-07	5,520	5,333
LG Seeds	Golden Acres	4880R	5,456	5,726
Nutrien Ag	Dyna-Gro	M67GB87	5,322	5,608
Nutrien Ag	Dyna-Gro	M71GR91	5,180	5,505
Bayer	DEKALB	DKS 40-76	5,168	
Bayer	DEKALB	DKS 45-60	5,134	
Nutrien Ag	Dyna-Gro	GX22932	5,112	
Nutrien Ag	Dyna-Gro	M72GB71	4,930	5,088
Nutrien Ag	Dyna-Gro	M63GB78	4,601	4,682
Nutrien Ag	Dyna-Gro	M60GB31	3,524	
Scott Seed Company	Scott Seed	S75A60	3,397	
Scott Seed Company	Scott Seed	S75N495	3,261	
Scott Seed Company	Scott Seed	S78A30	2,799	
Scott Seed Company	Scott Seed	S75N75	2,562	

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.

# Thrall

## 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 44-07	81	48	0	0	13.2	60.0	4,006
Dyna-Gro	GX22936	82	49	1	0	13.5	61.1	3,898
Dyna-Gro	M71GR91	84	52	1	0	13.8	60.3	3,640
Integra	G3711	83	52	1	0	13.7	60.9	3,568
Dyna-Gro	GX22937	84	48	2	0	13.1	59.2	3,440
Integra	G3640	82	47	4	0	13.1	59.7	3,407
DEKALB	DKS 45-60	82	49	4	0	13.4	60.6	3,360
Dyna-Gro	M72GB71	85	49	0	0	12.9	60.7	3,352
DEKALB	DKS 40-76	81	50	5	0	13.5	59.3	3,316
Dyna-Gro	GX22934	84	49	1	0	14.2	60.5	3,228
Dyna-Gro	GX22932	83	51	1	0	13.2	60.8	3,200
DEKALB	DKS 54-07	84	52	3	0	13.8	60.3	3,159
Integra	G3665	84	48	2	0	11.3	56.8	3,140
Dyna-Gro	M60GB31	83	48	1	0	13.0	59.2	2,704
DEKALB	DKS 50-07	84	50	1	0	13.9	60.2	2,689
Dyna-Gro	M63GB78	81	49	4	0	13.5	58.6	2,653
Sorghum Partners	SP65M60	82	50	1	0	11.4	56.5	2,551
Dyna-Gro	M59GB94	77	52	5	0	14.4	59.6	2,533
Dyna-Gro	M67GB87	83	49	0	0	11.8	58.5	2,519

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

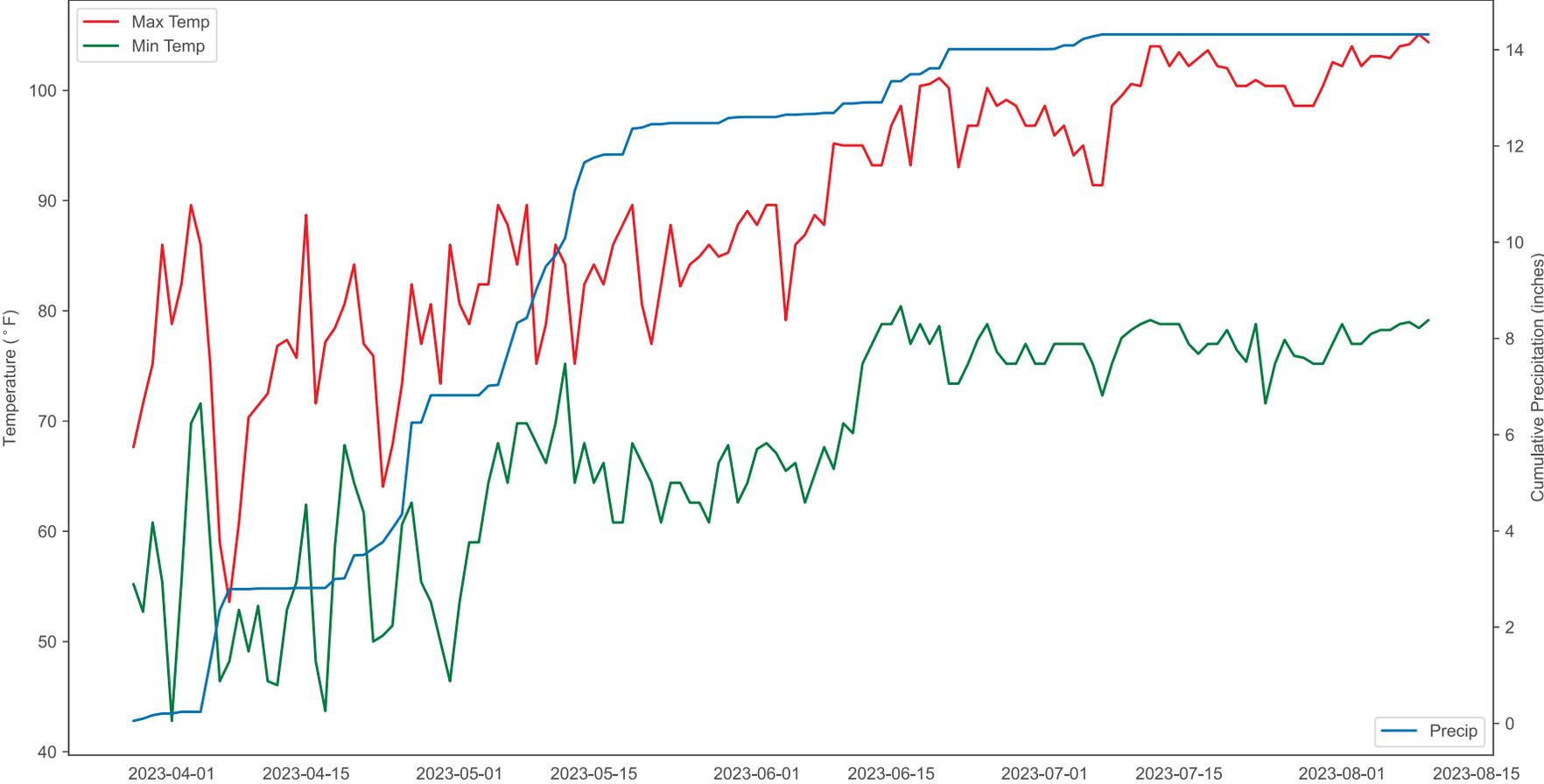
# Thrall

## 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	82	50	2	0.0	13.2	59.6	3,177
Plant Date	<input type="text" value="3/28/2023"/>	C.V. %	1.5	6.6	75.3		3.2	1.3	15.0
Harvest Date	<input type="text" value="8/10/2023"/>	P>f (hybrid)	0.000	0.819			0.000	0.000	0.000
Irrigated	<input type="text" value="No"/>	L.S.D.	1.7				0.7	1.2	599.1
Row Spacing (in)	<input type="text" value="30"/>	<b>Trial Notes</b>		<b>Cooperator:</b> <input type="text" value="Stiles Farm Foundation"/>					
Number of Rows	<input type="text" value="2"/>			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:					
Target Seeds per Acre	<input type="text" value="65,000"/>			Dr. Ronnie Schnell / Katrina Horn ronnie.schnell@ag.tamu.edu / katrina.horn@ag.tamu.edu 979-845-2935 / 979-845-8505					
Precipitation (in)	<input type="text" value="14.32"/>								
Irrigation (in)	<input type="text"/>								
Herbicide	<input type="text" value="16 oz/ac Huskie + 1 lb/ac AMS + 5 oz/ac NIS"/>								
Soil Type	<input type="text" value="Burleson clay"/>								
Tillage	<input type="text" value="Conventional"/>								
Previous Crop	<input type="text" value="Corn"/>								
		<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>					
		N (lb/ac)	<input type="text"/>	NO3-N (ppm)	<input type="text" value="24"/>	pH	<input type="text" value="5.9"/>		
		P2O5 (lb/ac)	<input type="text"/>	P (ppm)*	<input type="text" value="54"/>	Conductivity (umho/cm)	<input type="text" value="55"/>		
		K2O (lb/ac)	<input type="text"/>	K (ppm)*	<input type="text" value="124"/>	Ca (ppm)*	<input type="text" value="4,060"/>		
		S (lb/ac)	<input type="text"/>	S (ppm)*	<input type="text" value="30"/>	Mg (ppm)*	<input type="text" value="551"/>		
		Zn (lb/ac)	<input type="text"/>			Na (ppm)*	<input type="text" value="18"/>		

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

2023 Grain Sorghum Thrall



# Thrall

## 2023 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
Sorghum Partners	SP65M60	29,403	30,710	45	0.19	0.0	0.09		
Integra	G3640	30,492	34,195	47	0.12	0.0	0.11		
Integra	G3665		28,459	63		0.0	0.11		
Integra	G3711	34,558	39,494	53	0.15	0.0	0.09		
Dyna-Gro	GX22932	27,007	34,267	42	0.25	0.0	0.11		
Dyna-Gro	GX22934	23,087	26,572	36	0.75	0.0	0.11		
Dyna-Gro	GX22936	36,590	38,333	56	0.05	0.0	0.11		
Dyna-Gro	GX22937	25,265	28,096	39	0.34	0.0	0.11		
Dyna-Gro	M59GB94	33,686	35,719	52	0.39	0.0	0.07		
Dyna-Gro	M60GB31	21,780	27,007	34	0.31	0.0	0.11		
Dyna-Gro	M63GB78	23,522	28,314	36	0.27	0.0	0.10		
Dyna-Gro	M67GB87	22,869	24,394	35	0.43	0.0	0.12		
Dyna-Gro	M71GR91		29,911	47	0.78	0.0	0.12		
Dyna-Gro	M72GB71	27,298	31,073	42	0.29	0.0	0.11		
DEKALB	DKS 40-76	35,501	36,590	55	0.18	0.0	0.09		
DEKALB	DKS 44-07		32,888	54	0.12	0.0	0.12		
DEKALB	DKS 45-60	31,145	34,412	48	0.35	0.0	0.10		
DEKALB	DKS 50-07		28,967	45	0.22	0.0	0.10		
DEKALB	DKS 54-07	32,815	33,686	50	0.17	0.0	0.10		

# Thrall

## 2023 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	30,033	31,741	46	0.30	0.0	0.10		
------	--------	--------	----	------	-----	------	--	--

Agronomic information	
Plant Date	3/28/2023
Harvest Date	8/10/2023
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	14.32
Irrigation (in)	
Herbicide	16 oz/ac Huskie + 1 lb/ac AMS + 5 oz/ac NIS
Soil Type	Burleson clay
Tillage	Conventional
Previous Crop	Corn

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)		NO3-N (ppm)	24	pH	5.9
P2O5 (lb/ac)		P (ppm)*	54	Conductivity (umho/cm)	55
K2O (lb/ac)		K (ppm)*	124	Ca (ppm)*	4,060
S (lb/ac)		S (ppm)*	30	Mg (ppm)*	551
Zn (lb/ac)				Na (ppm)*	18

# 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.

## 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)
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

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

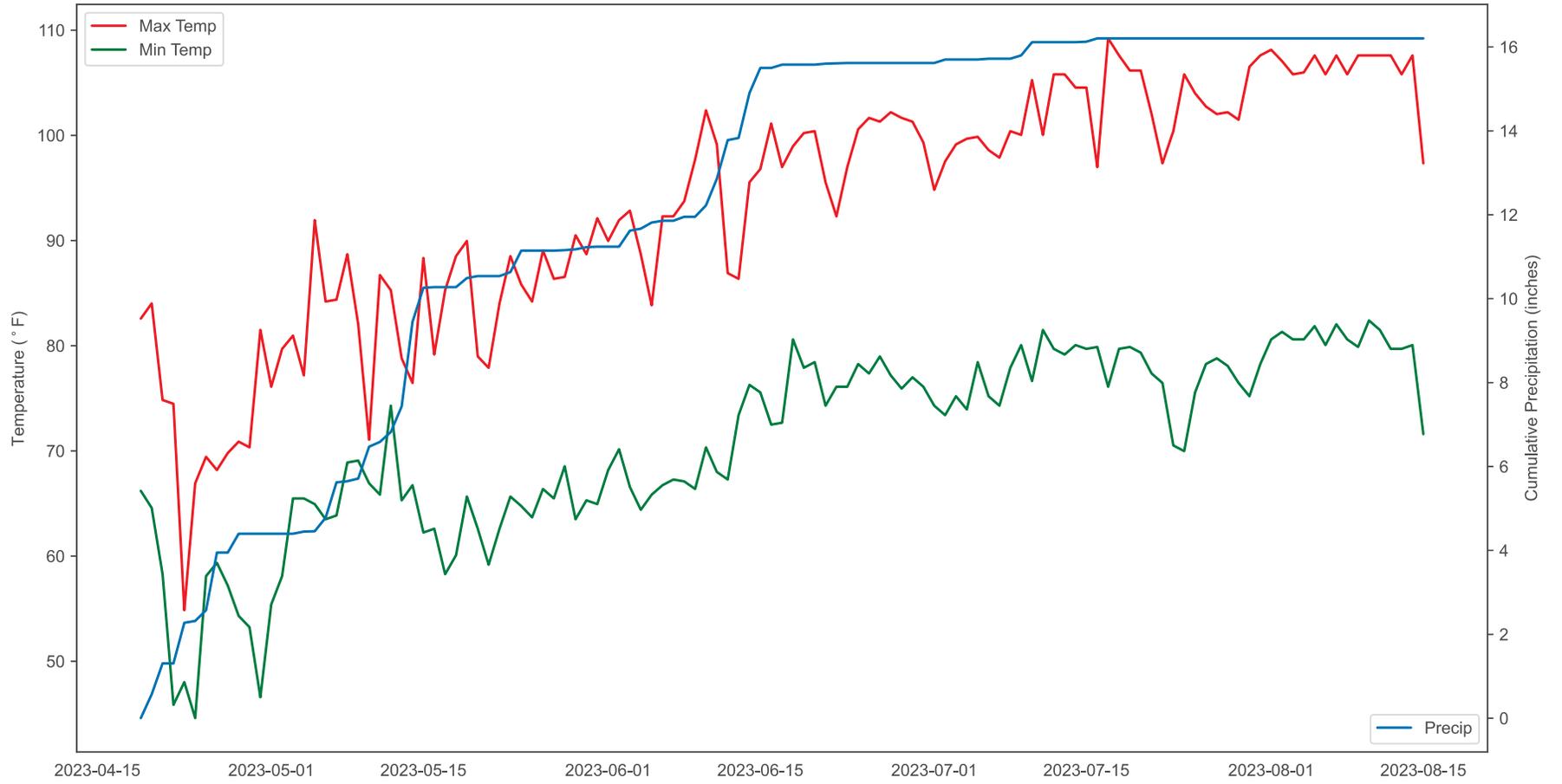
# Hillsboro

## 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)
<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 ** Samples collected at planting, some locations may have applied fertilizer</p>						
Soil Type	Branyon clay	<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Tillage	Conventional	N (lb/ac)		NO3-N (ppm)	62	pH		7.8
Previous Crop		P2O5 (lb/ac)		P (ppm)*	15	Conductivity (umho/cm)		303
		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

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

2023 Grain Sorghum Hillsboro



## Hillsboro

### 2023 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
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		

## Hillsboro 2023 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
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		

# Hillsboro

## 2023 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	35,859	50,425	55	0.54	0.0	0.09		
------	--------	--------	----	------	-----	------	--	--

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:

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)		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
S (lb/ac)		S (ppm)*	83	Mg (ppm)*	124
Zn (lb/ac)				Na (ppm)*	58

# Canyon

## 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 50-07	N/A	45	2	0	14.9	61.0	4,933
DEKALB	DKS 44-07	N/A	41	1	0	16.1	59.6	4,805
Golden Acres	4880R	N/A	44	1	0	14.3	60.1	4,577
Dyna-Gro	GX22932	N/A	44	1	0	16.8	59.6	4,565
Dyna-Gro	M59GB94	N/A	42	1	0	14.3	60.5	4,526
Dyna-Gro	M67GB87	N/A	44	1	0	14.0	56.7	4,505
Golden Acres	3180B	N/A	43	1	0	14.7	58.9	4,367
Dyna-Gro	M72GB71	N/A	45	1	0	16.2	60.2	4,353
DEKALB	DKS 45-60	N/A	42	1	0	14.6	58.2	4,309
DEKALB	DKS 36-07	N/A	41	1	0	14.1	58.2	4,198
DEKALB	DKS 33-07	N/A	42	1	0	13.8	58.7	4,142
DEKALB	DKS 28-07	N/A	38	2	0	12.3	55.0	4,045
DEKALB	DKS 40-76	N/A	44	1	0	14.3	60.5	4,012
Dyna-Gro	M71GR91	N/A	46	1	0	15.3	59.1	3,840
Dyna-Gro	M60GB31	N/A	44	2	0	15.0	57.6	3,805
Dyna-Gro	GX22937	N/A	40	1	0	12.7	57.3	3,768
Integra	G3665	N/A	40	1	0	14.5	56.0	3,545
DEKALB	DKS 54-07	N/A	43	0	0	15.2	59.0	3,539
Integra	G3640	N/A	40	2	0	13.4	58.8	3,452
Dyna-Gro	M63GB78	N/A	40	1	0	13.8	57.9	3,451
Dyna-Gro	GX22923	N/A	42	1	0	13.5	57.5	3,431

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

## Canyon 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)
Dyna-Gro	GX22934	N/A	43	1	0	14.7	61.2	3,257
Integra	G3711	N/A	46	2	0	14.8	60.4	3,232
Dyna-Gro	GX22936	N/A	41	2	0	13.7	59.0	3,084
Dyna-Gro	M54GR24	N/A	38	4	0	13.3	57.5	2,873

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

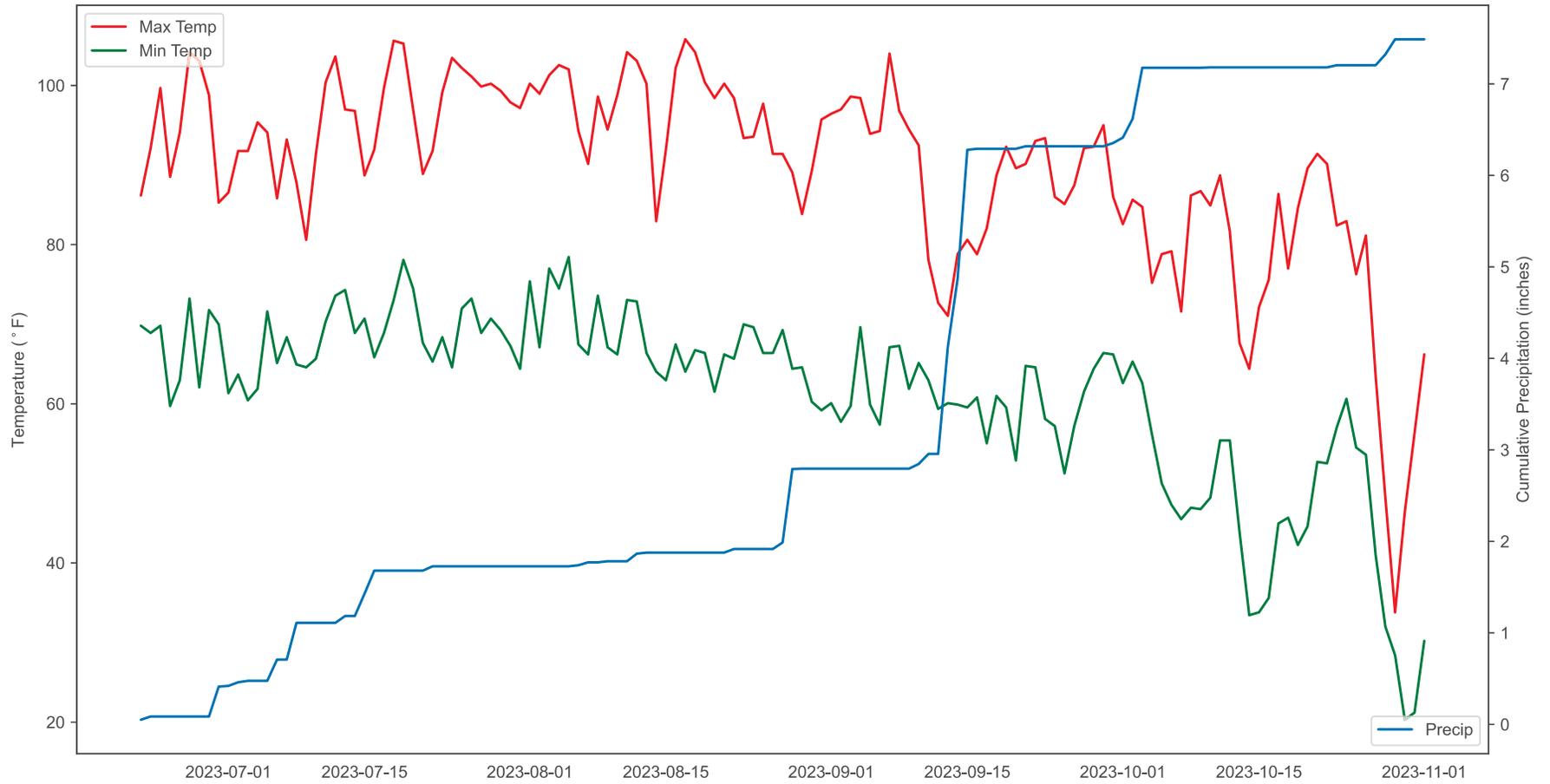
# Canyon

## 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	42	1	0.0	14.4	58.7	3,945
Plant Date	6/22/2023	C.V. %	7.4	91.1		8.6	3.6	20.3
Harvest Date	11/1/2023	P>f (hybrid)	0.009			0.024	0.083	0.000
Irrigated	Yes	L.S.D.	4.4			2.1		921.1
Row Spacing (in)	30	<b>Trial Notes</b>		<b>Cooperator:</b> Danny Hicks Farm				
Number of Rows	2			<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	45,000							
Precipitation (in)	7.488							
Irrigation (in)								
Herbicide		<b>Fertilizer Applied</b>		<b>Soil Analysis Report**</b>				
Soil Type	Pullman clay loam	N (lb/ac)		NO3-N (ppm)	45	pH		6.5
Tillage	Conventional	P2O5 (lb/ac)		P (ppm)*	116	Conductivity (umho/cm)		287
Previous Crop	Cotton	K2O (lb/ac)		K (ppm)*	895	Ca (ppm)*		2,068
		S (lb/ac)		S (ppm)*	32	Mg (ppm)*		645
		Zn (lb/ac)				Na (ppm)*		46

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

2023 Grain Sorghum Canyon



# Canyon

## 2023 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	38,042	47,335	85	0.24	0.0	0.08		
Integra	G3665	32,234	48,787	72	0.52	0.0	0.07		
Integra	G3711	39,785	44,431	88	0.13	0.0	0.07		
Golden Acres	3180B	37,897	54,886	84	0.45	0.0	0.08		
Golden Acres	4880R	38,768	47,045	86	0.21	0.0	0.10		
Dyna-Gro	GX22923	30,202	58,080	67	0.94	0.0	0.06		
Dyna-Gro	GX22932	33,541	51,401	75	0.53	0.0	0.08		
Dyna-Gro	GX22934	35,429	39,204	79	0.12	0.0	0.08		
Dyna-Gro	GX22936	34,267	40,946	76	0.31	0.0	0.07		
Dyna-Gro	GX22937	33,686	52,853	75	0.54	0.0	0.07		
Dyna-Gro	M54GR24	30,782	54,595	68	0.82	0.0	0.07		
Dyna-Gro	M59GB94	33,396	58,080	74	0.86	0.0	0.09		
Dyna-Gro	M60GB31	36,300	47,045	81	0.29	0.0	0.08		
Dyna-Gro	M63GB78	26,426	47,916	59	0.82	0.0	0.08		
Dyna-Gro	M67GB87	35,719	50,820	79	0.61	0.0	0.09		
Dyna-Gro	M71GR91	36,881	42,979	82	0.18	0.0	0.09		
Dyna-Gro	M72GB71	38,914	39,204	86	0.06	0.0	0.11		
DEKALB	DKS 28-07	36,881	64,759	82	0.75	0.0	0.07		
DEKALB	DKS 33-07	36,881	52,853	82	0.49	0.0	0.07		
DEKALB	DKS 36-07	35,138	56,628	78	0.63	0.0	0.07		
DEKALB	DKS 40-76	37,462	47,916	83	0.32	0.0	0.08		
DEKALB	DKS 44-07	35,719	51,691	79	0.51	0.0	0.09		



## Canyon 2023 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
DEKALB	DKS 45-60	39,204	47,335	87	0.21	0.0	0.09		
DEKALB	DKS 50-07	38,333	52,853	85	0.42	0.0	0.10		
DEKALB	DKS 54-07	39,204	45,012	87	0.28	0.0	0.08		

# Canyon

## 2023 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	35,644	49,786	79	0.45	0.0	0.08		
------	--------	--------	----	------	-----	------	--	--

### Agronomic information

Plant Date	6/22/2023
Harvest Date	11/1/2023
Irrigated	Yes
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	45,000
Precipitation (in)	7.488
Irrigation (in)	
Herbicide	
Soil Type	Pullman clay loam
Tillage	Conventional
Previous Crop	Cotton

### Trial Notes

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

**Cooperator:** Danny Hicks Farm

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

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)		NO3-N (ppm)	45	pH	6.5
P2O5 (lb/ac)		P (ppm)*	116	Conductivity (umho/cm)	287
K2O (lb/ac)		K (ppm)*	895	Ca (ppm)*	2,068
S (lb/ac)		S (ppm)*	32	Mg (ppm)*	645
Zn (lb/ac)				Na (ppm)*	46

# Grain Sorghum Canyon Multi-Year Summary



Company	Brand	Hybrid	2 YR AVG Yield lb/Acre	3 YR AVG Yield lb/Acre
Bayer	DEKALB	DKS 44-07	5,227	
LG Seeds	Golden Acres	3180B	4,800	
LG Seeds	Golden Acres	4880R	4,603	
Nutrien Ag	Dyna-Gro	GX22932	4,601	
Bayer	DEKALB	DKS 50-07	4,554	
Nutrien Ag	Dyna-Gro	M67GB87	4,490	
Bayer	DEKALB	DKS 40-76	4,342	
Bayer	DEKALB	DKS 45-60	4,286	
Wilbur-Ellis Company	Integra	G3665	4,270	
Nutrien Ag	Dyna-Gro	M71GR91	4,214	
Nutrien Ag	Dyna-Gro	M54GR24	4,181	
Nutrien Ag	Dyna-Gro	M60GB31	4,086	
Nutrien Ag	Dyna-Gro	GX22934	4,048	
Wilbur-Ellis Company	Integra	G3711	4,016	
Nutrien Ag	Dyna-Gro	M59GB94	4,012	
Nutrien Ag	Dyna-Gro	M72GB71	3,974	
Bayer	DEKALB	DKS 36-07	3,930	
Nutrien Ag	Dyna-Gro	M63GB78	3,625	

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.

## **ACKNOWLEDGMENTS**

Appreciation for assistance and cooperation in conducting these tests is expressed to the following:

<b><u>Cooperator</u></b>	<b><u>Trial Location</u></b>	<b><u>County</u></b>	<b><u>Region</u></b>
Texas AgriScience	Monte Alto	Hidalgo	Rio Grande Valley
McNair Farms	Driscoll	Nueces	Coastal Bend
Joel Hoskinson	Gregory	San Patricio	Coastal Bend
Alan Stasney	Rosenberg	Fort Bend	Upper Gulf Coast
Texas A&M AgriLife Research	College Station	Burleson	Brazos Valley
Stiles Farm Foundation	Thrall	Williamson	Blacklands
Josh Birdwell	Hill County	Hill	Blacklands
Danny Hicks	Canyon	Randall	High Plains

### **Texas A&M AgriLife Personnel:**

JR Cantu  
Ryan Collett  
Dennis Coker  
Marcel Fischbacher  
Jordan Kennedy  
Hunter Kern  
Stephen Labar  
Bob McCool  
Meghan Nolan  
Dennis Pietsch  
J.D. Ragland

**Industry:** Bayer for providing Roundup used to maintain alleys in test plots and border seed

**Others:** Brent Bean, United Sorghum Checkoff

Mention of a trademark or a proprietary product does not constitute a guarantee or a warranty of the product by Texas A&M AgriLife Research and Texas A&M AgriLife Extension, and does not imply its approval to the exclusion of other products that also may be suitable.

All programs and information of Texas A&M AgriLife Research and Texas A&M AgriLife Extension are available to everyone without regard to race, ethnic origin, religion, sex, age, handicap, or national origin.

Produced by the Department of Soil and Crop Sciences  
Texas A&M AgriLife Research and AgriLife Extension Service

[soilcrop.tamu.edu](http://soilcrop.tamu.edu)

The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Texas A&M AgriLife Research and AgriLife Extension Service is implied.

Texas A&M AgriLife Research and AgriLife Extension are equal opportunity employers and program providers.