

University of Arkansas, Fayetteville

ScholarWorks@UARK

---

Arkansas Agricultural Experiment Station  
Research Series

Arkansas Agricultural Experiment Station

---

3-2023

## Arkansas Corn and Grain Sorghum Performance Tests 2022

J. F. Carlin

R. B. Mulloy

R. D. Bond

Follow this and additional works at: <https://scholarworks.uark.edu/aaesser>



Part of the [Agronomy and Crop Sciences Commons](#), [Botany Commons](#), [Horticulture Commons](#), and the [Plant Breeding and Genetics Commons](#)

---

### Citation

Carlin, J. F., Mulloy, R. B., & Bond, R. D. (2023). Arkansas Corn and Grain Sorghum Performance Tests 2022. *Arkansas Agricultural Experiment Station Research Series*. Retrieved from <https://scholarworks.uark.edu/aaesser/214>

This Report is brought to you for free and open access by the Arkansas Agricultural Experiment Station at ScholarWorks@UARK. It has been accepted for inclusion in Arkansas Agricultural Experiment Station Research Series by an authorized administrator of ScholarWorks@UARK. For more information, please contact [scholar@uark.edu](mailto:scholar@uark.edu).

# Arkansas

## Corn and Grain Sorghum Performance Tests 2022



**J.F. Carlin,  
R.B. Mulloy,  
and R.D. Bond**

**U of A**  
DIVISION OF AGRICULTURE  
RESEARCH & EXTENSION  
*University of Arkansas System*



ARKANSAS AGRICULTURAL EXPERIMENT STATION

March 2023

Research Series 690

This publication is available on the internet at: <https://aes.uada.edu/communications/publications/> and at <https://aes.uada.edu/variety-testing/>

---

Technical editing and cover design by Gail Halleck.

Photo Credits: Arkansas Agricultural Experiment Station, University of Arkansas System Division of Agriculture.

Arkansas Agricultural Experiment Station (AAES), University of Arkansas System Division of Agriculture, Fayetteville. Deacue Fields, Vice President for Agriculture; Jean-François Meullenet, AAES Director and Senior Associate Vice-President for Agriculture–Research. WWW/InddCC2022.

The University of Arkansas System Division of Agriculture offers all its Extension and Research programs and services without regard to race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.

ISSN: 1941-1669 CODEN: AKAMA6

# Arkansas Corn and Grain Sorghum Performance Tests

2022

J.F. Carlin  
R.B. Mulloy  
R.D. Bond



Arkansas Agricultural Experiment Station  
University of Arkansas System  
Division of Agriculture  
Fayetteville, Arkansas 72704

# Acknowledgments

This research was funded in part by participating companies and the University of Arkansas System Division of Agriculture's Arkansas Agricultural Experiment Station.

The assistance of the following individuals in conducting these experiments is gratefully acknowledged:

## **Cooperative Extension Service**

Jason Kelley, Professor and Extension Agronomist

## **Northeast Rice Research and Extension Center, Harrisburg**

Tim Burcham, Center Director

Greg Simpson, Farm Manager

## **Northeast Research and Extension Center, Keiser**

Mike Duren, Center Director

Sam Atchley, Farm Foreman

Noah McMinn, Program Technician

## **Lon Mann Cotton Research Station, Marianna**

Claude Kennedy, Station Director

Clayton Treat, Program Assistant

## **Rohwer Research Station, Rohwer**

Larry Earnest, Station Director

Linda Martin, Program Associate

Matthew Young, Program Technician

## **Rice Research and Extension Center, Stuttgart**

Alton Johnson, Center Director

Jonathan McCoy, Program Associate

## **Arkansas Agricultural Experiment Station, Fayetteville**

Nathan McKinney, Assistant Director

Nathan Slaton, Assistant Director



## Report Statement

This Arkansas Agricultural Experiment Station (AAES) publication summarizes variety trial research conducted by the Arkansas Crop Variety Improvement Program. Variety trial information presented here furthers the AAES mission of conducting research that benefits the citizens of Arkansas by expanding agricultural profitability and strengthening local and state economies. This information is not a recommendation or an endorsement of any product by the University of Arkansas System Division of Agriculture or AAES. Recommendations interpreted from this information are made and presented by the Arkansas Cooperative Extension Service.



# Contents

<a href="#">Introduction</a> .....	5
<a href="#">Materials and Methods</a> .....	5
<a href="#">Grain Sorghum Performance Measurements</a> .....	5
<a href="#">Corn Performance Measurements</a> .....	5
<a href="#">Table 1. Summary of Grain Sorghum and Corn Hybrid Arkansas Performance Tests, 2022</a> .....	7
<b>Grain Sorghum Trials</b>	
<a href="#">Table 2. Yields of Grain Sorghum Hybrids in Arkansas Performance Tests, 2022</a> .....	8
<a href="#">Table 3. Performance of Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2022</a> .....	10
<a href="#">Table 4. Performance of Irrigated Grain Sorghum Hybrids, Marianna, Ark., 2022</a> .....	12
<a href="#">Table 5. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2022</a> .....	14
<a href="#">Table 6. Performance of Irrigated Grain Sorghum Hybrids, Stuttgart, Ark., 2022</a> .....	16
<a href="#">Table 7. Performance of Non-Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2022</a> .....	18
<b>Corn Trials</b>	
<a href="#">Table 8. Yields of Corn Hybrids in Arkansas Performance Tests, 2022</a> .....	19
<a href="#">Table 9. Performance of Irrigated Corn Hybrids, Harrisburg, Ark., 2022</a> .....	22
<a href="#">Table 10. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2022</a> .....	25
<a href="#">Table 11. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2022</a> .....	28
<a href="#">Table 12. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2022</a> .....	31
<a href="#">Table 13: Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2022</a> .....	34
<a href="#">Participants and Entries 2022 Grain Sorghum Tests</a> .....	36
<a href="#">Participants and Entries 2022 Corn Tests</a> .....	37
<a href="#">Corn Trait Package Information</a> .....	40
<a href="#">Grain Sorghum and Corn Location Map</a> .....	42



# Arkansas Corn and Grain Sorghum Performance Tests<sup>1</sup> 2022

J.F. Carlin,<sup>2</sup> R.B. Mulloy,<sup>2</sup> and R.D. Bond<sup>2</sup>

---

## Introduction

Corn and grain sorghum performance tests are conducted each year in Arkansas by the University of Arkansas System Division of Agriculture. The tests provide information to companies marketing seed within the state and aid the Arkansas Cooperative Extension Service in formulating recommendations for producers.

The 2022 corn performance tests contained 68 hybrids and were conducted at the Northeast Rice Research and Extension Center (NERREC) at Harrisburg, the Northeast Rice Research and Extension Center (NEREC) at Keiser, the Lon Mann Cotton Research Station (LMCRS) near Marianna, the Rohwer Research Station (RRS) near Rohwer, and the Rice Research and Extension Center (RREC) near Stuttgart. The 2022 grain sorghum performance tests contained 24 hybrids and were conducted at the NERREC, the NEREC, the LMCRS, the RRS, and the RREC locations. The test location map for grain sorghum and corn can be found on page 42.

## Materials and Methods

Both corn and grain sorghum trials were designed as randomized complete blocks with four replications. Plots were two rows wide and 20–21 feet long depending on location. Seeding rates for grain sorghum hybrids at all locations as well as corn hybrids at the Keiser and Rohwer locations were based on the recommendations of the originating company. A vacuum-type planter was used to plant the corn tests at the Harrisburg, Marianna, and Stuttgart locations, which required a single seeding rate. A seeding rate of 33,000 plants per acre averaged from all participant-requested plant populations was used to plant these locations. Specific location and management practice information accompany each table. Statistical analysis for grain yield (bu./ac) was conducted using Duncan's Multiple Range Test (MRT) with GENOVIX® (AGRONOMIX Software).

## Grain Sorghum Performance Measurements

**Yield:** Yields were calculated from the weight of threshed grain from each plot and are expressed as bushels per acre (bu./ac) at 14% moisture.

**Grain Moisture:** Expressed as a percent moisture of grain at harvest.

**Plant Height:** Average height in inches from the soil surface to the top of the grain head.

**Head Exertion:** Average distance in inches from the flag leaf to the base of panicle.

**Bird Damage:** A visual estimate of total percent grain loss from each plot.

## Head Compactness Scale

1 = Head short and oval. Rachis branches intermediate in length.

2 = Head long and slender. Rachis branches strong and short.

3 = Head elongated and oval. Rachis branches beginning to weaken and intermediate in length.

4 = Head elongated and rectangular. Rachis branches intermediate in strength and length.

5 = Head open and elongated. Rachis branches weak.

## Corn Performance Measurements

**Yield:** Yields were calculated from the weight of shelled corn harvested from each plot and are expressed as bushels per acre (bu./ac) at 15.5% moisture.

**Grain Moisture:** Expressed as percent moisture of shelled grain at harvest.

**Lodging:** Average number of plants broken below an ear at harvest.

**Plants/Acre:** The plant population expressed in the number of plants per acre.

**Ear Height:** The average distance in inches from the soil surface to the point of attachment of the upper ear.

---

<sup>1</sup> Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

<sup>2</sup> Program Director, Program Technician, and Program Associate, University of Arkansas System Division of Agriculture, Arkansas Agricultural Experiment Station, Fayetteville.



**Tip Cover:** Tip cover was rated as good (1), average (2), or poor (3). A rating of good was given when the husks reached well beyond the end of the ear and fit tightly. A rating of average was

given when the husks reached the tip of the ear or fit loosely. A rating of poor was given when the ears were open to the weather.

---

### Variety Testing Website

This report and other information about variety testing for corn, cotton, grain sorghum, rice, small grains, and soybean can be found at:

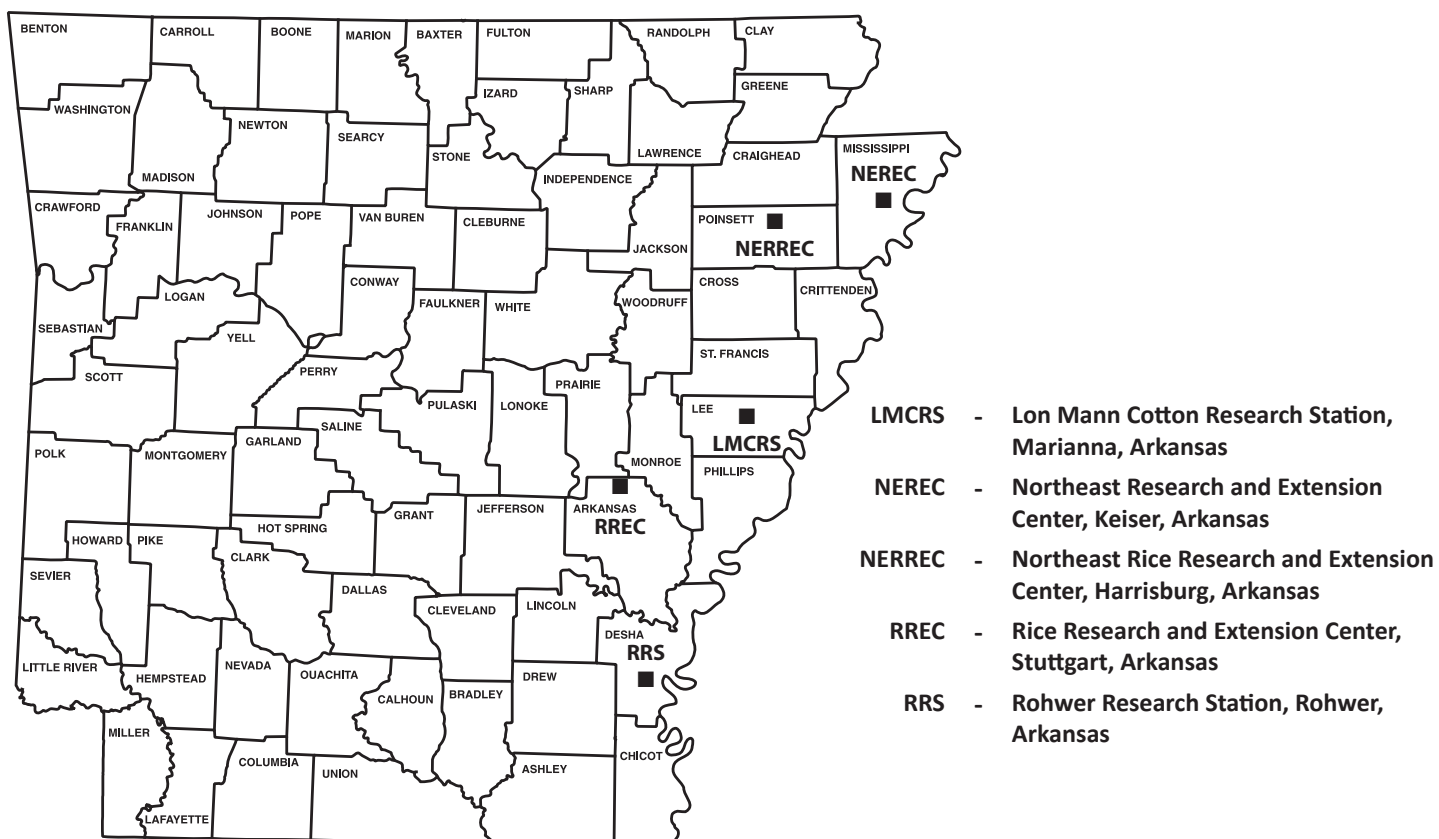
<https://aaes.uada.edu/variety-testing/>

Disease ratings that do not appear in this or other reports may also be found on this website.

**Table 1. Summary of Grain Sorghum and Corn Hybrid Arkansas Performance Tests, 2022.**

Location	Irrigation	Row Spacing (in.)	Soil Type	Planting Date	Harvest Date	Trial Mean (bu./ac)
<b>2022 Grain Sorghum Hybrid Performance Trial Summary</b>						
NEREC, Keiser, Ark.	Irrigated	38	Sharkey clay	5/31	9/27	101.2
LMCRS, Marianna, Ark.	Irrigated	38	Calloway silt loam	5/17	9/21	94.4
RRS, Rohwer, Ark.	Irrigated	38	Herbert silt loam	5/3	9/1	126.6
RREC, Stuttgart, Ark.	Irrigated	30	Crowley silt loam	5/19	9/30	120.7
NEREC, Keiser, Ark.	Non-Irrigated	38	Sharkey clay	5/31	9/27	95.7
<b>2022 Corn Hybrid Performance Trial Summary</b>						
NERREC, Harrisburg, Ark.	Irrigated	30	Henry silt loam	5/16	9/27	200.0
NEREC, Keiser, Ark.	Irrigated	38	Sharkey clay	5/2	10/11	208.1
LMCRS, Marianna, Ark.	Irrigated	38	Calloway silt loam	4/24	9/12	197.3
RRS, Rohwer, Ark.	Irrigated	38	Herbert silt loam	4/8	9/8	206.4
RREC, Stuttgart, Ark.	Irrigated	30	Crowley silt loam	4/29	9/23	243.3

### Test Locations 2022



**Table 2. Yields (bu./ac.) of Grain Sorghum Hybrids in the Arkansas Performance Tests, 2022.<sup>a</sup>**

Hybrid Name	Keiser Irrigated	Marianna Irrigated	Rohwer Irrigated	Stuttgart Irrigated	Irrigated Mean	Keiser Non- Irrigated
.....bu./ac.....						
ADV G1203	105.3	92.3	120.3	112.1	107.2	98.7
ADV G2165	107.4	81.1	102.9	128.8	105.2	108.4
DEKALB DKS 44-07	115.1	106.6	142.5	135.0	124.1	107.6
DEKALB DKS 50-07	118.9	104.8	132.3	130.7	121.4	111.4
DEKALB DKS 51-01	106.6	100.2	145.7	117.8	116.4	63.2
DEKALB DKS 54-07	100.1	113.6	143.8	119.1	118.5	113.3
Dyna-Gro GX21965	96.9	108.1	121.4	137.3	117.1	87.5
Dyna-Gro GX22932	116.4	100.7	130.7	127.3	117.9	108.4
Dyna-Gro GX22934	106.2	108.8	147.8	124.1	118.5	114.3
Dyna-Gro M60GB31	105.1	101.2	117.2	117.4	109.4	99.4
Dyna-Gro M63GB78	98.3	92.3	127.7	122.4	107.8	92.1
Dyna-Gro M67GB87	116.0	96.4	126.0	127.1	114.6	103.6
Dyna-Gro M71GR91	108.5	100.6	136.9	142.6	118.3	116.6
Dyna-Gro M72GB71	110.6	108.4	123.2	111.0	113.2	101.6
Exp001	72.9	85.2	104.3	110.4	92.9	66.0
Exp002	95.5	62.3	104.8	109.8	91.5	93.6
Exp003	98.8	70.8	112.7	108.3	97.3	99.6
Launch	68.6	76.7	118.4	121.1	95.4	71.4
Pioneer 82P83	109.0	104.6	141.2	115.0	113.1	102.1
Pioneer 83P73	106.3	104.9	138.1	132.6	120.7	97.7
Pioneer 84P68	90.9	90.1	121.0	113.0	103.4	69.9
SP67B17	107.7	79.2	119.5	115.4	103.8	90.9
SP7715	80.9	96.8	142.1	107.9	105.6	102.9
SPSC343	87.0	79.7	118.7	109.3	98.4	77.8
GRAND MEAN	101.2	94.4	126.6	120.7	109.7	95.7
LSD (5%)	10.7	9.2	14.2	17.4	6.8	13.5
C.V.	9.0	8.3	8.2	12.2	10.6	11.9

<sup>a</sup> Keiser = Northeast Research and Extension Center, Keiser, Ark.

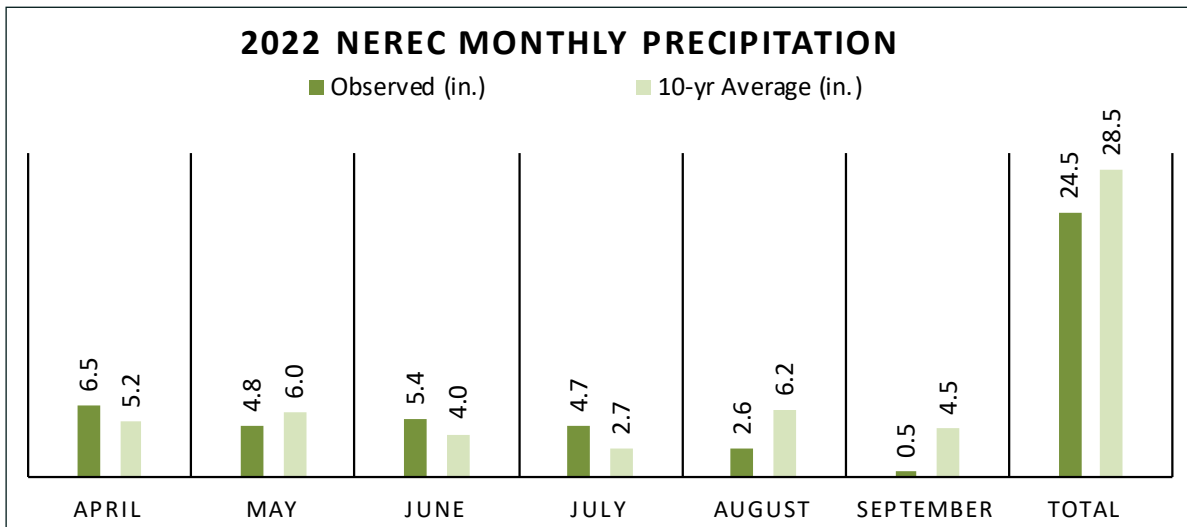
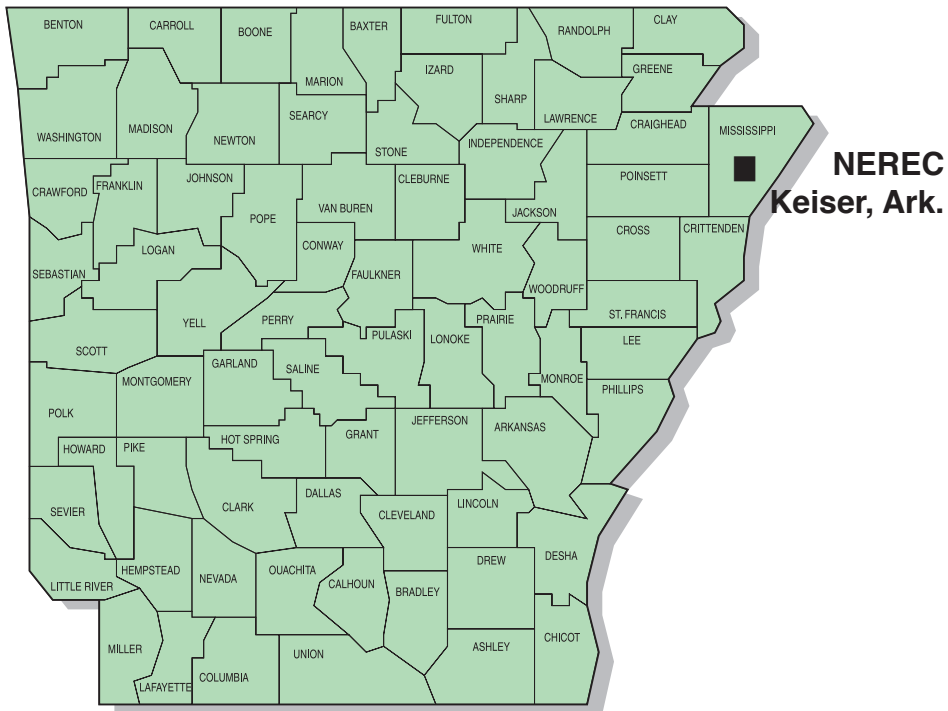
Marianna = Lon Mann Cotton Research Station, Marianna, Ark.

Rohwer = Rohwer Research Station, Rohwer, Ark.

Stuttgart = Rice Research and Extension Center, Stuttgart, Ark.

## Keiser: Northeast Research and Extension Center (NEREC)

### Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2022



<b>Soil Series</b>
Sharkey clay
<b>Previous Crop</b>
Soybean
<b>Row Spacing</b>
38 in.
<b>Planting Date</b>
May 31
<b>Harvest Date</b>
September 27

<b>Irrigation Dates</b>	June 17; July 5, 25
<b>Fertilizer Application(s)</b>	<b>Date</b>
75 units of Urea	June 3
75 units of Urea	June 30
<b>Herbicide Application(s)</b>	<b>Date</b>
Dual® 1.5 pt/ac, Atrazine® 1 qt/ac	June 1
Besiege® 8 oz/ac	June 30

**Table 3. Performance of Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2022.**

Hybrid Name	Yield (bu./ac)	2-Year <sup>a</sup>		Plant <sup>b</sup>	Head <sup>c</sup>	Bird <sup>d</sup>
		Avg. (bu./ac)	Moisture (%)	Height (in.)	Comp.	Damage (%)
DEKALB DKS 50-07	118.9	•	12.6	58.5	2.0	20.0
Dyna-Gro GX22932	116.4	•	12.5	54.5	1.0	6.3
Dyna-Gro M67GB87	116.0	•	12.4	58.0	2.0	11.3
DEKALB DKS 44-07	115.1	•	12.5	50.5	3.0	26.3
Dyna-Gro M72GB71	110.6	145.9	12.5	53.5	2.5	16.3
Pioneer 82P83	109.0	•	12.6	47.5	3.0	21.3
Dyna-Gro M71GR91	108.5	143.4	12.5	51.5	3.0	17.5
SP67B17	107.7	•	12.6	49.5	2.5	23.8
ADV G2165	107.4	•	12.5	63.5	1.5	16.3
DEKALB DKS 51-01	106.6	138.3	12.5	64.0	1.0	16.3
Pioneer 83P73	106.3	•	12.5	52.5	2.0	11.3
Dyna-Gro GX22934	106.2	•	12.6	52.5	2.5	22.5
ADV G1203	105.3	•	12.5	53.5	2.5	16.3
Dyna-Gro M60GB31	105.1	120.2	12.5	53.0	2.5	18.8
DEKALB DKS 54-07	100.1	•	12.6	57.0	2.5	25.0
Exp003	98.8	•	12.4	53.5	2.5	30.0
Dyna-Gro M63GB78	98.3	•	12.4	59.0	3.0	15.0
Dyna-Gro GX21965	96.9	•	12.5	56.0	2.0	7.5
Exp002	95.5	•	12.5	50.0	3.0	17.5
Pioneer 84P68	90.9	•	12.4	51.0	2.5	42.5
SPSC343	87.0	•	12.5	54.5	1.5	17.5
SP7715	80.9	131.3	12.6	54.5	3.0	16.3
Exp001	72.9	•	12.5	55.5	2.0	12.5
Launch	68.6	•	12.5	52.0	2.0	17.5
GRAND MEAN	101.2	•	12.5	54.4	2.3	18.5
LSD (5%)	10.7	•	0.0	•	•	•
C.V.	9.0	•	0.3	•	•	•

<sup>a</sup> Average yield for 2020 and 2022.

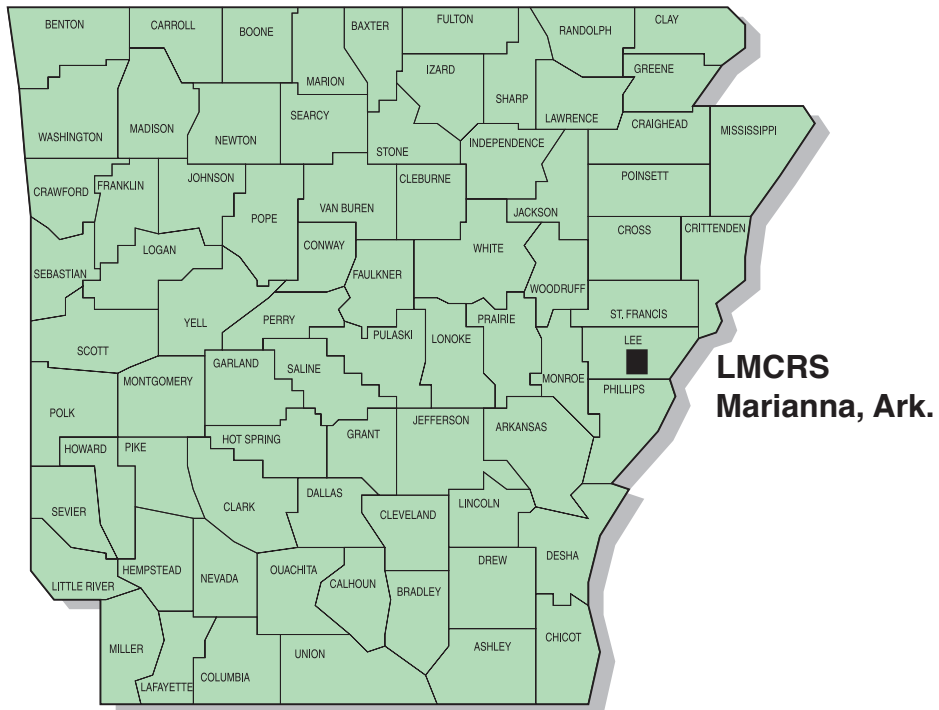
<sup>b</sup> Average height in inches from the soil surface to the top of the grain head.

<sup>c</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.

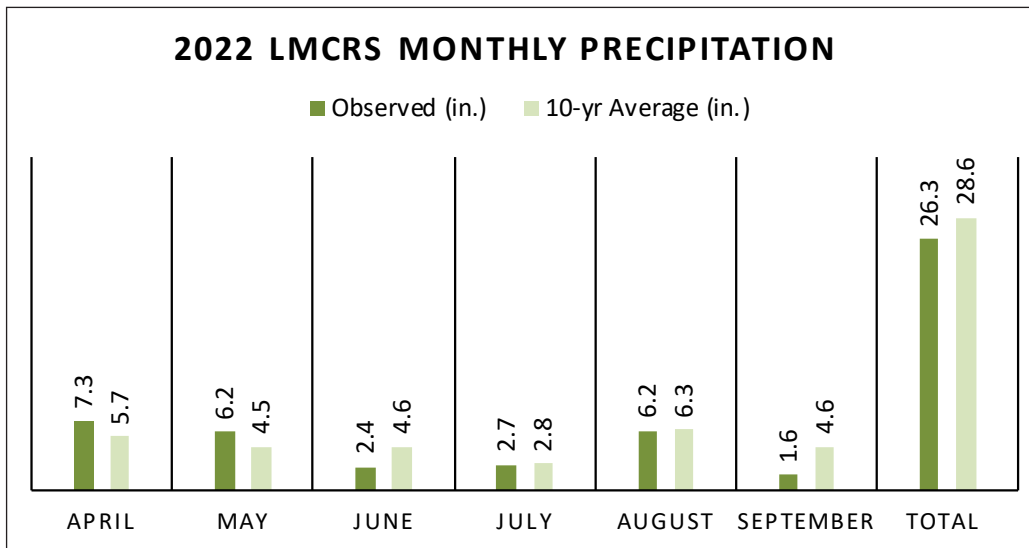
<sup>d</sup> Bird Damage: A visual estimate of total percent grain loss from each plot.

## Lon Mann Cotton Research Station (LMCRS), Marianna, Ark.

### Irrigated Grain Sorghum Hybrids Trial Summary, 2022



### 2022 LMCRS MONTHLY PRECIPITATION



<b>Soil Series</b>
Calloway silt loam
<b>Row Spacing</b>
38 in.
<b>Planting Date</b>
May 17
<b>Harvest Date</b>
September 21
<b>Irrigation Dates</b>
April 5; June 24; July 12, 28; August 16

<b>Fertilizer Application(s)</b>	<b>Date</b>
60-23-70, lb/ac of N, P, and K	May 9
46-0-0, 250 lb	June 20
<b>Herbicide Application(s)</b>	<b>Date</b>
Dual® 21 oz	May 18
Atrazine® 4 oz	June 15
<b>Insecticide Application(s)</b>	
Karate® 2.5 oz	July 11
Sivanto® 5 oz	July 26
Karate® 2.5 oz	July 26

**Table 4. Performance of Irrigated Grain Sorghum Hybrids, Marianna, Ark., 2022.**

Hybrid Name	Yield (bu./ac)	2-Year <sup>a</sup>		Plant <sup>b</sup> Height (in.)	Head <sup>c</sup> Exertion (in.)	Head <sup>d</sup> Comp.
		Avg. (bu./ac)	Moisture (%)			
DEKALB DKS 54-07	113.6	130.4	14.0	57.3	4.8	3.0
Dyna-Gro GX22934	108.8	•	13.4	56.3	4.3	2.3
Dyna-Gro M72GB71	108.4	122.4	13.8	53.8	5.0	2.8
Dyna-Gro GX21965	108.1	120.3	12.8	55.0	5.0	2.8
DEKALB DKS 44-07	106.6	•	13.8	52.0	4.8	1.8
Pioneer 83P73	104.9	119.2	13.7	56.5	5.0	3.8
DEKALB DKS 50-07	104.8	124.0	13.5	55.5	5.3	2.3
Pioneer 82P83	104.6	123.7	13.0	58.5	4.8	3.0
Dyna-Gro M60GB31	101.2	113.6	12.2	53.5	4.5	3.8
Dyna-Gro GX22932	100.7	•	14.3	55.3	5.3	1.8
Dyna-Gro M71GR91	100.6	118.9	13.6	55.0	4.8	2.5
DEKALB DKS 51-01	100.2	119.1	13.4	55.0	5.5	2.8
SP7715	96.8	118.8	14.7	55.3	5.3	2.5
Dyna-Gro M67GB87	96.4	113.5	13.2	51.8	2.8	2.0
ADV G1203	92.3	•	12.2	51.3	6.0	3.5
Dyna-Gro M63GB78	92.3	117.9	12.8	53.0	3.5	3.5
Pioneer 84P68	90.1	•	12.7	49.5	1.5	3.3
Exp001	85.2	•	13.8	58.5	6.3	2.0
ADV G2165	81.1	•	13.4	49.3	3.5	3.3
SPSC343	79.7	100.8	14.0	51.5	3.5	3.3
SP67B17	79.2	•	13.9	53.5	4.8	3.0
Launch	76.7	•	14.5	60.5	6.3	2.3
Exp003	70.8	•	13.8	49.3	6.0	3.8
Exp002	62.3	•	13.8	48.8	5.3	3.5
GRAND MEAN	94.4	•	13.5	54.0	4.7	2.8
LSD (5%)	9.2	•	0.6	3.0	1.3	0.6
C.V.	8.3	•	3.5	4.7	22.8	17.8

<sup>a</sup> Average yield for 2021 and 2022.

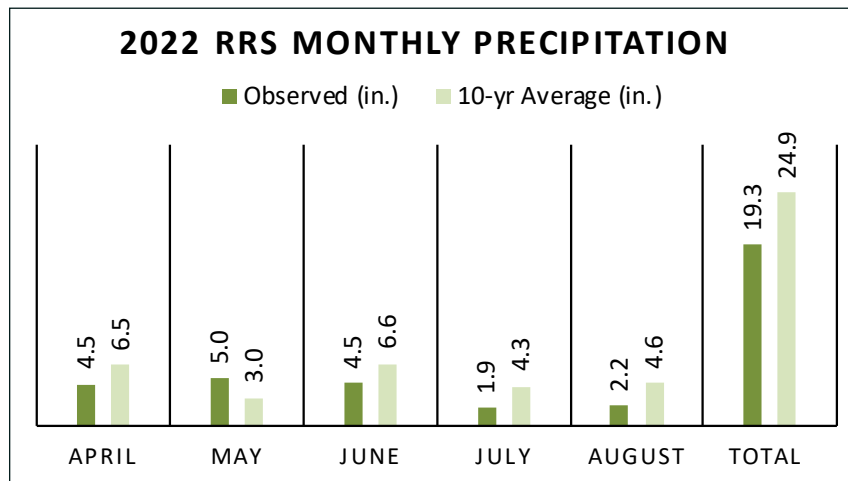
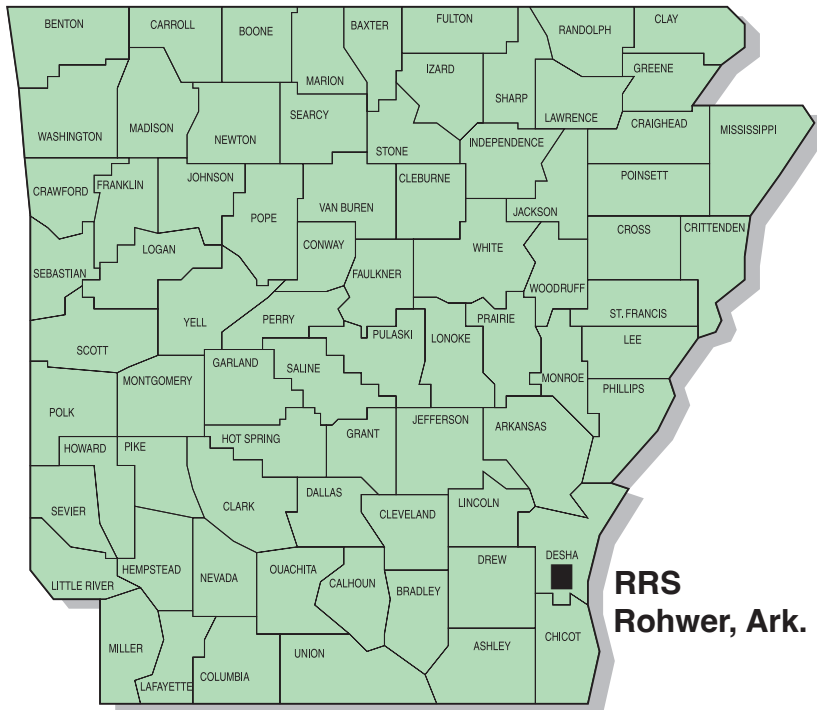
<sup>b</sup> Average height in inches from the soil surface to the top of the grain head.

<sup>c</sup> Average distance in inches from the flag leaf to base of panicle.

<sup>d</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.

## Rohwer: Rohwer Research Station (RRS)

### Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2022



<b>Soil Series</b>
Herbert silt loam
<b>Previous Crop</b>
Cotton
<b>Row Spacing</b>
38 in.
<b>Planting Date</b>
May 3
<b>Harvest Date</b>
September 1
<b>Irrigation Dates</b>
June 23; July 11, 28

<b>Fertilizer Application(s)</b>	<b>Date</b>
0-0-60 100 lb	April 4
32% N 120 lb	May 30
32% N 120 lb	June 7
<b>Herbicide Application(s)</b>	<b>Date</b>
Paraquat® 1 qt	May 3
Roundup® 1 qt	May 3
Atrazine® 1 qt	May 3
Dual® 1.33 pt	May 3
Bicep II® 2 qt	June 1
Vantacore® 1.2 oz	July 15
Roundup® 1 qt	August 19



**Table 5. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2022.**

Hybrid Name	Yield (bu./ac)	2-Year <sup>a</sup> Avg.	Moisture (%)	Plant <sup>b</sup> Height	Head <sup>c</sup> Exertion	Head <sup>d</sup> Comp.
		(bu./ac)		(in.)	(in.)	
Dyna-Gro GX22934	147.8	•	14.9	64.0	7.0	2.5
DEKALB DKS 51-01	145.7	119.1	13.1	65.5	4.5	4.0
DEKALB DKS 54-07	143.8	130.4	14.0	64.3	5.0	3.0
DEKALB DKS 44-07	142.5	•	13.1	59.3	6.5	1.0
SP7715	142.1	118.8	13.7	64.3	5.5	4.0
Pioneer 82P83	141.2	123.7	13.6	66.3	6.0	2.5
Pioneer 83P73	138.1	119.2	12.6	62.8	4.0	2.5
Dyna-Gro M71GR91	136.9	118.9	13.9	63.5	6.5	2.0
DEKALB DKS 50-07	132.3	124.0	15.0	63.5	9.0	1.5
Dyna-Gro GX22932	130.7	•	14.1	63.5	7.5	1.5
Dyna-Gro M63GB78	127.7	117.9	12.4	57.8	9.0	5.0
Dyna-Gro M67GB87	126.0	113.5	13.3	60.3	6.0	1.0
Dyna-Gro M72GB71	123.2	122.4	16.9	63.3	5.0	1.5
Dyna-Gro GX21965	121.4	120.3	12.6	59.5	6.5	4.0
Pioneer 84P68	121.0	•	13.2	57.5	4.5	5.0
ADV G1203	120.3	•	12.3	57.5	7.0	3.0
SP67B17	119.5	•	14.1	60.8	4.5	3.5
SPSC343	118.7	100.8	12.5	58.0	5.5	3.5
Launch	118.4	•	14.1	66.5	7.0	2.0
Dyna-Gro M60GB31	117.2	113.6	12.5	55.8	4.5	3.5
Exp003	112.7	•	13.8	59.5	4.0	2.0
Exp002	104.8	•	13.3	60.3	5.0	2.5
Exp001	104.3	•	14.0	66.0	9.0	1.0
ADV G2165	102.9	•	14.0	59.3	6.5	4.5
GRAND MEAN	126.6	•	13.6	61.6	6.1	2.8
LSD (5%)	14.2	•	1.2	2.2	2.3	1.1
C.V.	8.2	•	7.7	3.1	22.5	22.5

<sup>a</sup> Average yield for 2021 and 2022.

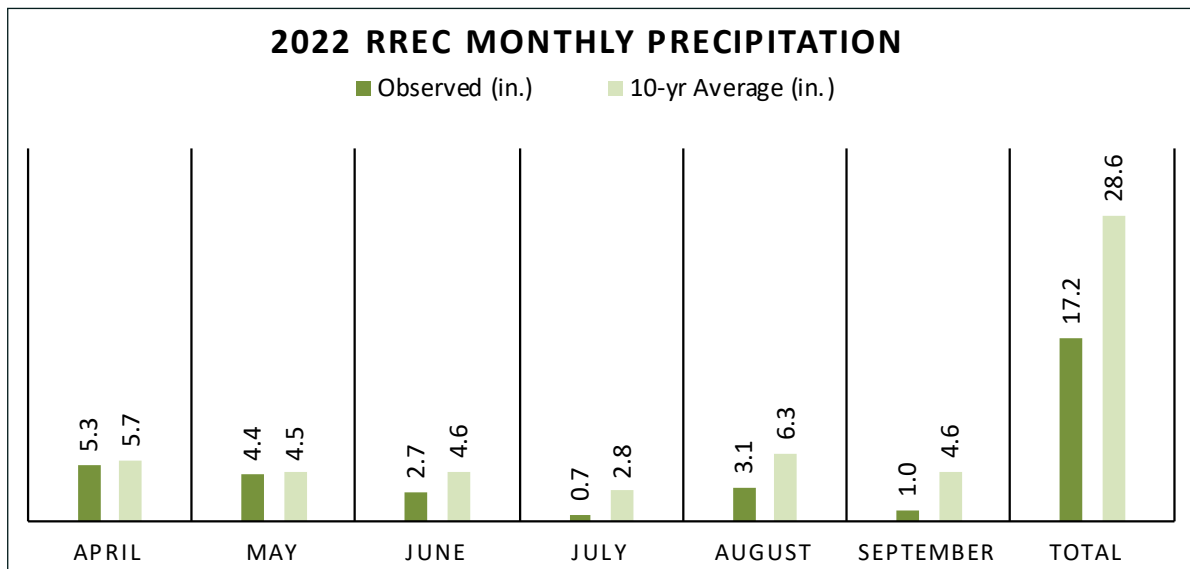
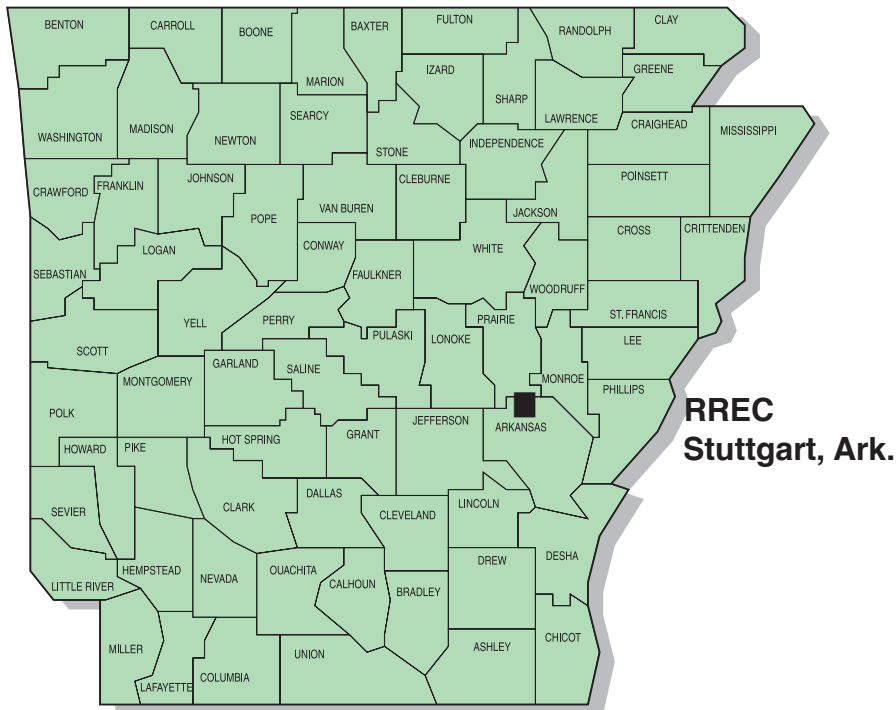
<sup>b</sup> Average height in inches from the soil surface to the top of the grain head.

<sup>c</sup> Average distance in inches from the flag leaf to base of panicle.

<sup>d</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.

## Stuttgart: Rice Research and Extension Center (RREC)

### Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2022



<b>Soil Series</b>
Crowley silt loam
<b>Previous Crop</b>
Soybean
<b>Row Spacing</b>
30 in.
<b>Planting Date</b>
May 19
<b>Harvest Date</b>
September 30

<b>Irrigation Dates</b>	June 18; July 1, 15, 28; August 12; September 2
<b>Fertilizer Application(s)</b>	<b>Date</b>
80-90-70-24-10, lb/ac of N, P, K, S, and Zn 250 lb Urea 200 lb Urea	April 4 June 9 June 28
<b>Herbicide Application(s)</b>	<b>Date</b>
Roundup® 1 qt/ac + Dual Magnum® 1.5 pt/ac + Atrazine® 2 qt/ac	May 21

**Table 6. Performance of Irrigated Grain Sorghum Hybrids, Stuttgart, Ark., 2022.**

Hybrid Name	Yield (bu./ac)	2-Year <sup>a</sup>	3-year <sup>b</sup>	Moisture (%)	Plant <sup>c</sup>	Head <sup>d</sup>	Head <sup>e</sup>
		Avg. (bu./ac)	Avg. (bu./ac)		Height (in.)	Exertion (in.)	Comp.
Dyna-Gro M71GR91	142.6	153.2	149.7	13.2	65.0	4.5	1.5
Dyna-Gro GX21965	137.3	136.2	•	12.8	55.5	4.0	2.0
DEKALB DKS 44-07	135.0	•	•	13.1	59.5	4.0	1.0
Pioneer 83P73	132.6	137.6	•	12.4	61.3	2.5	2.0
DEKALB DKS 50-07	130.7	146.0	•	13.0	64.0	5.5	1.5
ADV G2165	128.8	•	•	13.0	53.8	4.5	2.5
Dyna-Gro GX22932	127.3	•	•	13.1	65.0	5.0	1.0
Dyna-Gro M67GB87	127.1	152.6	•	12.5	62.0	5.0	1.5
Dyna-Gro GX22934	124.1	•	•	13.1	64.1	3.5	1.5
Dyna-Gro M63GB78	122.4	116.1	•	12.1	54.8	3.5	3.0
Launch	121.1	•	•	13.0	73.8	6.5	2.0
DEKALB DKS 54-07	119.1	131.9	•	13.0	60.8	1.0	2.0
DEKALB DKS 51-01	117.8	137.7	138.0	12.6	57.8	3.0	3.0
Dyna-Gro M60GB31	117.4	126.0	134.5	12.4	52.8	3.0	2.5
SP67B17	115.4	•	•	13.1	60.5	5.0	2.0
Pioneer 82P83	115.0	131.8	•	12.7	56.8	3.5	1.0
Pioneer 84P68	113.0	•	•	12.4	57.1	4.5	3.5
ADV G1203	112.1	•	•	12.4	56.8	3.5	3.0
Dyna-Gro M72GB71	111.0	124.6	124.5	12.9	55.0	1.0	2.0
Exp001	110.4	•	•	13.0	72.3	9.0	1.0
Exp002	109.8	•	•	12.5	55.0	5.5	1.5
SPSC343	109.3	111.2	•	12.4	64.3	7.0	3.0
Exp003	108.3	•	•	12.6	58.0	5.5	2.0
SP7715	107.9	110.5	122.8	13.0	56.8	5.0	2.0
GRAND MEAN	120.7	•	•	12.8	60.1	3.0	2.0
LSD (5%)	17.4	•	•	0.3	4.0	2.6	0.7
C.V.	12.2	•	•	2.0	5.7	34.0	20.6

<sup>a</sup> Average yield for 2021 and 2022.

<sup>b</sup> Average yield for 2020, 2021, and 2022.

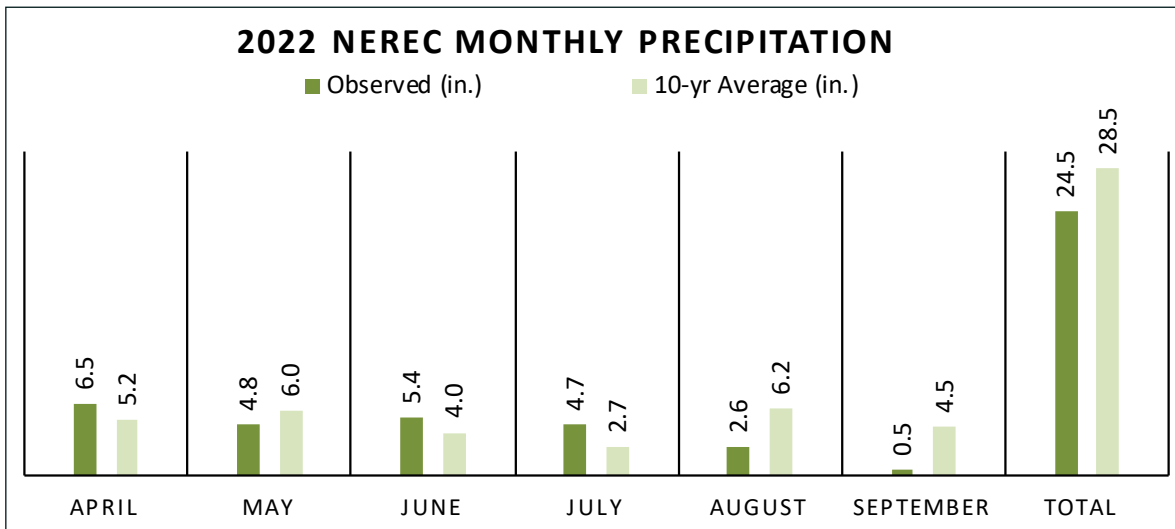
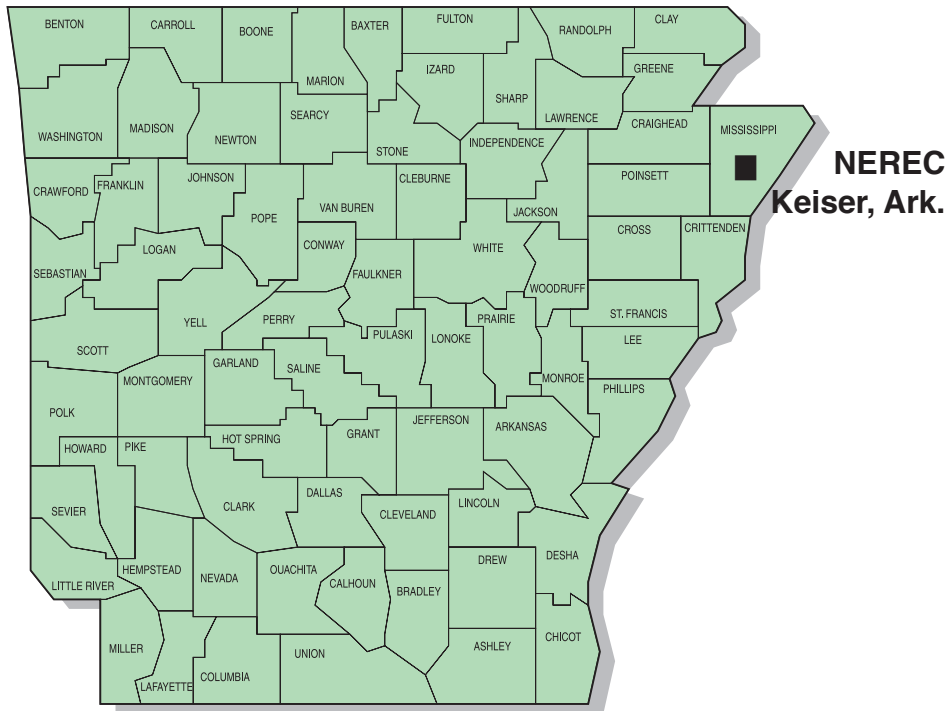
<sup>c</sup> Average height in inches from the soil surface to the top of the grain head.

<sup>d</sup> Average distance in inches from the flag leaf to base of panicle.

<sup>e</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.

## Keiser: Northeast Research and Extension Center (NEREC)

### Non-Irrigated Grain Sorghum (GS) Hybrids Trial Summary, 2022



<b>Soil Series</b>
Sharkey clay
<b>Previous Crop</b>
Soybean
<b>Row Spacing</b>
38 in.
<b>Planting Date</b>
May 31
<b>Harvest Date</b>
September 27

<b>Fertilizer Application(s)</b>	<b>Date</b>
75 units of Urea	June 3
75 units of Urea	June 30
<b>Herbicide Application(s)</b>	<b>Date</b>
Dual® 1.5 pt/ac, Atrazine® 1 qt/ac	June 1
Besiege® 8 oz/ac	June 30

**Table 7. Performance of Non-Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2022.**

Hybrid Name	Yield (bu./ac)	2-Year <sup>a</sup>	3-Year <sup>b</sup>	Moisture (%)	Plant <sup>c</sup>	Head <sup>d</sup>	Bird <sup>e</sup>
		Avg. (bu./ac)	Avg. (bu./ac)		Height (in.)	Comp.	Damage (%)
Dyna-Gro M71GR91	116.6	134.3	130.3	12.6	57.0	2.0	25.0
Dyna-Gro GX22934	114.3	•	•	12.6	57.5	3.0	18.8
DEKALB DKS 54-07	113.3	123.6	•	12.6	53.5	2.5	21.3
DEKALB DKS 50-07	111.4	133.9	•	12.6	51.5	2.5	21.3
Dyna-Gro GX22932	108.4	•	•	12.6	53.0	2.0	15.0
ADV G2165	108.4	•	•	12.5	55.0	2.0	22.5
DEKALB DKS 44-07	107.6	•	•	12.5	52.5	1.5	28.8
Dyna-Gro M67GB87	103.6	124.7	•	12.4	55.5	2.0	12.5
SP7715	102.9	121.3	•	12.7	52.5	2.5	26.3
Pioneer 82P83	102.1	113.7	•	12.6	54.5	1.5	16.3
Dyna-Gro M72GB71	101.6	123.7	118.8	12.6	51.5	2.0	27.5
Exp003	99.6	•	•	12.5	54.5	3.0	17.5
Dyna-Gro M60GB31	99.4	109.8	103.8	12.5	51.5	3.0	17.5
ADV G1203	98.7	•	•	12.5	49.5	2.5	21.3
Pioneer 83P73	97.7	123.7	•	12.5	63.5	1.5	13.8
Exp002	93.6	•	•	12.5	54.5	3.0	16.3
Dyna-Gro M63GB78	92.1	99.8	•	12.4	49.0	2.0	27.5
SP67B17	90.9	•	•	12.7	51.5	2.5	17.5
Dyna-Gro GX21965	87.5	119.5	•	12.6	56.5	2.0	8.8
SPSC343	77.8	76.7	•	12.5	53.5	3.0	16.3
Launch	71.4	•	•	12.6	60.0	1.5	12.5
Pioneer 84P68	69.9	•	•	12.5	52.0	3.0	20.0
Exp001	66.0	•	•	12.6	64.0	2.0	8.8
DEKALB DKS 51-01	63.2	111.5	96.5	12.5	51.5	2.5	12.5
GRAND MEAN	95.7	•	•	12.5	54.4	2.3	18.5
LSD (5%)	13.5	•	•	0.1	9.5	1.5	20.0
C.V.	11.9	•	•	0.6	10.2	37.4	91.3

<sup>a</sup> Average yield for 2021 and 2022.<sup>b</sup> Average yield for 2020, 2021, and 2022.<sup>c</sup> Average height in inches from the soil surface to the top of the grain head.<sup>d</sup> 1 = Head short and oval, rachis branches intermediate in length; 2 = Head long and slender, rachis branches strong and short; 3 = Head elongated and oval, rachis branches beginning to weaken and intermediate in length; 4 = Head elongated and rectangular in shape, rachis branches intermediate in strength and length; 5 = Head open and elongated, rachis branches weak.<sup>e</sup> Bird Damage: A visual estimate of total percent grain loss from each plot.

**Table 8. Yields (bu./ac.) of Corn Hybrids in the Arkansas Performance Tests, 2022.<sup>a</sup>**

Hybrid Name	Harrisburg	Keiser	Marianna	Rohwer	Stuttgart	Mean
	.....bu./ac.....					
AgriGold A643-52VT2PRO	187.7	222.3	208.1	222.4	247.0	215.3
AgriGold A645-16VT2RIB	230.8	214.2	210.7	209.3	245.5	219.6
AgriGold A647-79VT2PRO	224.2	206.3	204.5	218.1	260.2	218.3
AgriGold A650-21VT2PRO	194.9	194.1	207.5	189.3	229.3	197.9
Axis 63M73RIB	231.3	218.9	203.8	209.2	247.4	216.0
Axis 64E72RIB	225.7	219.2	185.3	216.8	244.1	214.4
Axis 65T29RIB	193.1	202.6	204.8	187.1	233.2	201.7
Axis 65W75RIB	245.0	198.1	196.3	212.0	259.8	219.7
Axis 68P28RIB	183.8	201.4	211.7	200.5	237.5	205.7
BH 8412VT2P	221.2	208.0	195.1	195.0	254.3	210.9
BH 8644TRE	207.6	196.1	193.6	218.9	242.6	208.6
BH 8721VT2P	208.5	200.4	206.5	202.1	259.7	212.4
BH X22002VT2P	232.3	204.6	190.2	226.4	272.8	223.6
BH X22045	159.2	205.1	169.6	210.5	260.7	196.5
CP20117C/VT2P	178.0	212.4	187.1	194.1	228.2	198.2
CP5497	227.6	199.9	188.3	230.5	264.8	218.1
CP5550	207.8	197.8	192.2	217.5	227.3	203.3
CP5678	181.5	225.1	212.5	197.3	246.3	209.0
DEKALB DKC 62-70	197.7	215.1	184.3	201.8	251.4	205.4
DEKALB DKC 64-22	218.2	224.0	189.3	217.6	259.4	216.6
DEKALB DKC 65-99	216.4	209.1	187.8	204.7	236.7	208.7
DEKALB DKC 66-06	197.8	211.7	193.4	234.1	258.4	215.1
DEKALB DKC 67-44	241.2	212.4	192.3	213.4	248.8	215.8
DEKALB DKC 67-94	212.7	193.5	184.1	219.9	232.4	208.7
DEKALB DKC 68-35	219.0	186.3	204.4	233.3	256.0	218.8
DEKALB DKC 69-99	213.5	194.6	195.0	228.3	256.0	213.2
DEKALB DKC 70-45	228.5	199.6	194.6	200.1	254.8	213.1
Dyna-Gro D52VC63	198.7	197.7	209.3	190.3	238.2	204.7
Dyna-Gro D54VC14	203.0	211.2	188.0	206.4	251.7	208.2
Dyna-Gro D55VC80	192.1	193.7	204.0	209.8	247.6	207.2
Dyna-Gro D57VC51	197.0	211.9	198.6	217.9	247.3	212.7
Dyna-Gro D57VC53	192.4	213.4	202.0	199.4	232.4	204.4
Dyna-Gro D58VC65	183.0	211.7	190.7	201.3	255.0	207.1
Inn victis A1551VT2P	193.6	225.6	196.5	205.1	234.3	207.0
Inn victis A1689T	161.2	215.6	200.4	207.1	213.1	198.9
Inn victis MEX1791VT2P	187.7	193.3	188.5	197.3	222.7	195.7
LG66C06VT2Pro	191.8	208.1	212.1	186.1	245.2	205.6
LG66C44VT2Pro	204.0	212.2	198.7	203.6	253.7	212.7
LG67C07VT2Pro	214.2	212.3	197.2	224.8	252.6	219.1
LG69C03VT2Pro	174.2	207.8	196.4	183.2	248.4	197.6

Continued

**Table 8. Yields (bu./ac.) of Corn Hybrids in the Arkansas Performance Tests, 2022, Continued.<sup>a</sup>**

Hybrid Name	Harrisburg	Keiser	Marianna	Rohwer	Stuttgart	Mean
.....bu./ac.....						
Master Farmer MBE172-3110	159.0	223.8	198.2	179.3	225.1	193.7
Master Farmer MRZ-C152-5122- EZ1	160.1	203.6	200.9	181.9	230.9	194.4
NK1082-5222A	194.1	207.1	197.4	191.2	237.7	203.0
NK1349-3220	166.3	210.5	208.2	187.3	215.5	196.1
NK1460-5222	168.0	216.2	207.3	193.4	234.3	203.8
NK1523-3220	157.6	217.3	191.7	190.0	231.2	196.6
NK1677-3110	168.5	215.6	201.7	190.2	259.0	202.1
NK1701-3220	189.6	197.2	179.7	183.7	211.5	190.8
NK1838-3110	171.7	205.0	204.3	173.8	220.5	191.5
Pioneer P1170YHR	209.6	205.2	186.1	210.5	228.8	205.6
Pioneer P1222YHR	186.2	202.8	196.2	195.5	229.0	199.4
Pioneer P1289YHR	172.9	208.4	187.9	208.1	237.5	196.9
Pioneer P1511YHR	195.3	207.0	198.2	219.1	251.4	213.3
Pioneer P1608YHR	191.3	220.5	191.8	196.0	239.1	201.5
Pioneer P1718VYHR	200.4	208.4	209.9	235.1	254.6	221.8
Progeny PGY 2015VT2P	184.7	215.6	193.8	192.4	244.1	201.2
Progeny PGY 2118VT2P	200.5	206.6	209.4	213.5	233.9	209.4
Progeny PGY 2215TRE	224.1	203.1	191.5	209.1	258.8	214.0
Progeny PGY 8116SS	194.1	202.9	205.4	199.5	234.5	205.0
Progeny PGY 9114VT2P	207.8	215.3	187.6	202.1	240.5	207.9
Progeny PGY 9117VT2P	187.8	212.0	202.1	206.4	245.0	208.7
Revere 1307 TC	228.5	217.7	205.1	222.4	253.7	220.4
Revere 1577 VT2P	205.2	196.1	204.2	202.8	262.3	210.7
Revere 1627 TC	216.9	200.0	189.0	215.9	230.0	208.8
Revere 1707 VT2P	174.0	198.6	203.7	209.1	229.6	202.1
Revere 1898 TC	234.8	203.2	204.7	216.6	250.6	220.7
Revere 1919 VT2P	180.3	225.9	198.0	204.3	236.3	205.6
Revere ZS1525 3220A	214.0	226.1	189.1	213.8	208.7	208.0
GRAND MEAN	200.0	208.1	197.3	206.4	243.3	208.1
LSD (5%)	28.6	22.7	18.7	18.6	20.0	9.7
C.V.	10.6	9.3	8.1	7.7	7.0	8.9

<sup>a</sup> Harrisburg = Northeast Rice Research and Extension Center, Harrisburg, Ark.

Keiser = Northeast Research and Extension Center, Keiser, Ark.

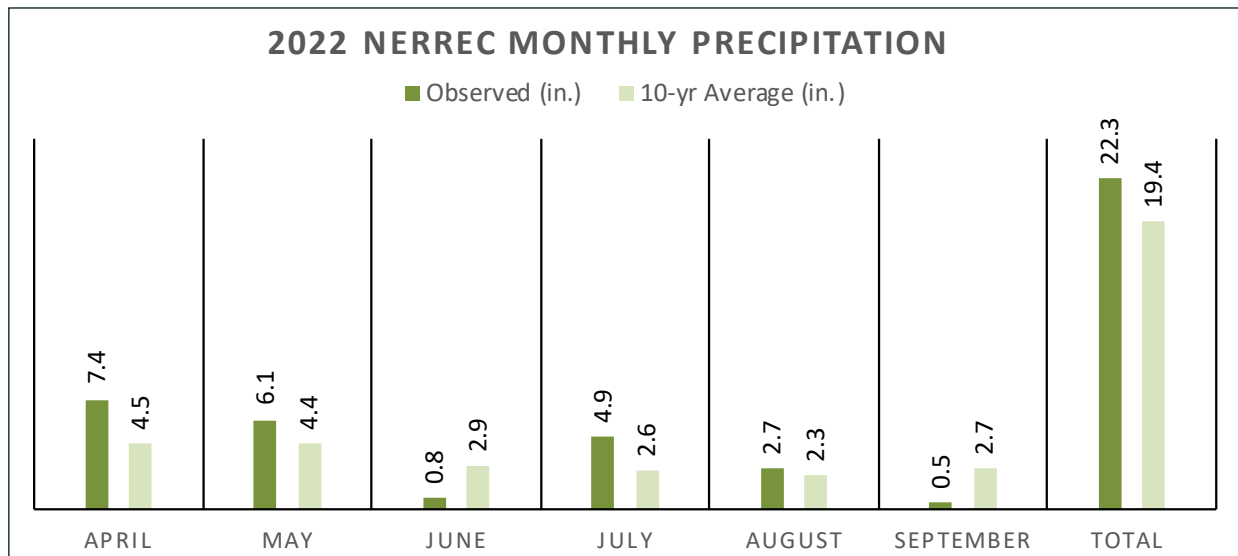
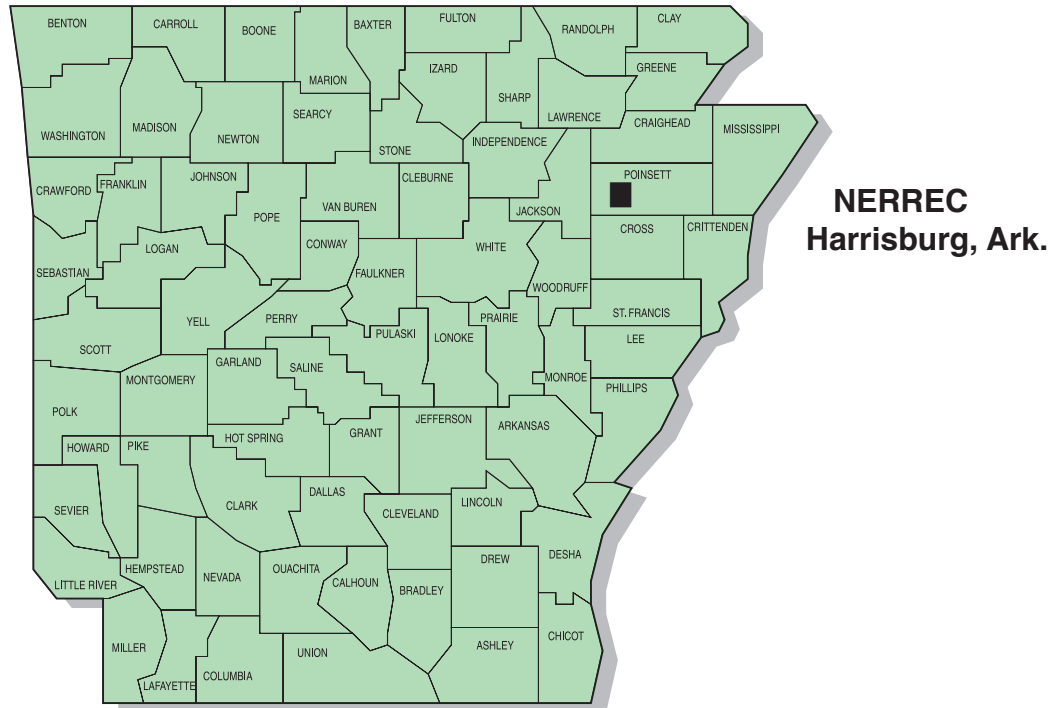
Marianna = Lon Mann Cotton Research Station, Marianna, Ark.

Rohwer = Rohwer Research Station, Rohwer Ark.

Stuttgart = Rice Research and Extension Center, Stuttgart Ark.

## Harrisburg: Northeast Rice Research and Extension Center (NERREC)

### Irrigated Corn Hybrids Trial Summary, 2022



<b>Soil Series</b>
Henry silt loam
<b>Row Spacing</b>
30 in.
<b>Planting Date</b>
May 16
<b>Harvest Date</b>
September 27

<b>Irrigation Dates</b>	July 5, 26; September 1
<b>Fertilizer Application(s)</b>	<b>Date</b>
0-0-60-90 TSP + KSL + Zinc	March 4
UAN	June 7
UAN	June 13
<b>Herbicide Application(s)</b>	<b>Date</b>
Atrazine® 20 oz	May 22
Priority® 8 oz	May 22
Superb® 4 oz	May 22



**Table 9. Performance of Irrigated Corn Hybrids, Harrisburg, Ark., 2022.**

<b>Brand/Hybrid</b>	<b>Yield (bu./ac)</b>	<b>Moisture (%)</b>	<b>Ear<sup>a</sup> Height (in.)</b>	<b>Tip<sup>b</sup> Cover</b>
Axis 65W75RIB	245.0	16.0	45.0	1.0
DKC 67-44	241.2	16.3	45.8	1.0
Revere 1898 TC	234.8	15.5	47.3	1.0
BH X22002VT2P	232.3	17.1	47.0	1.0
Axis 63M73RIB	231.3	14.9	44.8	1.0
AgriGold A645-16VT2RIB	230.8	15.4	47.5	1.3
DKC 70-45	228.5	15.9	46.8	1.0
Revere 1307 TC	228.5	14.9	44.0	1.0
CP5497	227.6	14.8	49.0	1.0
Axis 64E72RIB	225.7	15.7	46.3	1.0
AgriGold A647-79VT2PRO	224.2	15.7	44.8	1.0
Progeny PGY 2215TRE	224.1	15.4	50.0	1.0
BH 8412VT2P	221.2	15.2	42.5	1.0
DKC 68-35	219.0	15.5	48.3	1.0
DKC 64-22	218.2	15.2	42.3	1.0
Revere 1627 TC	216.9	15.6	48.8	1.0
DKC 65-99	216.4	15.5	42.3	1.3
LG67C07VT2Pro	214.2	15.4	44.8	1.0
Revere ZS1525 3220A	214.0	15.6	46.8	1.0
DKC 69-99	213.5	15.8	46.5	1.0
DKC 67-94	212.7	16.1	46.3	1.0
Pioneer P1170YHR	209.6	15.3	47.3	1.0
BH 8721VT2P	208.5	15.6	44.5	1.3
CP5550	207.8	15.5	39.3	1.0
Progeny PGY 9114VT2P	207.8	15.2	44.3	1.0
BH 8644TRE	207.6	15.2	46.3	1.3
Revere 1577 VT2P	205.2	15.1	42.8	1.0
LG66C44VT2Pro	204.0	15.6	49.0	1.0
Dyna-Gro D54VC14	203.0	14.9	43.3	1.0
Progeny PGY 2118VT2P	200.5	17.3	46.3	1.0
Pioneer P1718VYHR	200.4	16.8	50.3	1.0
Dyna-Gro D52VC63	198.7	15.2	43.8	1.0
DKC 66-06	197.8	15.3	46.8	1.0
DKC 62-70	197.7	15.2	46.3	1.0
Dyna-Gro D57VC51	197.0	15.4	43.8	1.0
Pioneer P1511YHR	195.3	16.3	48.0	1.0
AgriGold A650-21VT2PRO	194.9	17.3	47.0	1.0
NK1082-5222A	194.1	14.2	45.5	1.0
Progeny PGY 8116SS	194.1	15.7	50.3	1.0
Innvictis A1551VT2P	193.6	15.1	46.0	1.0

*Continued*

**Table 9. Performance of Irrigated Corn Hybrids, Harrisburg, Ark., 2022, Continued.**

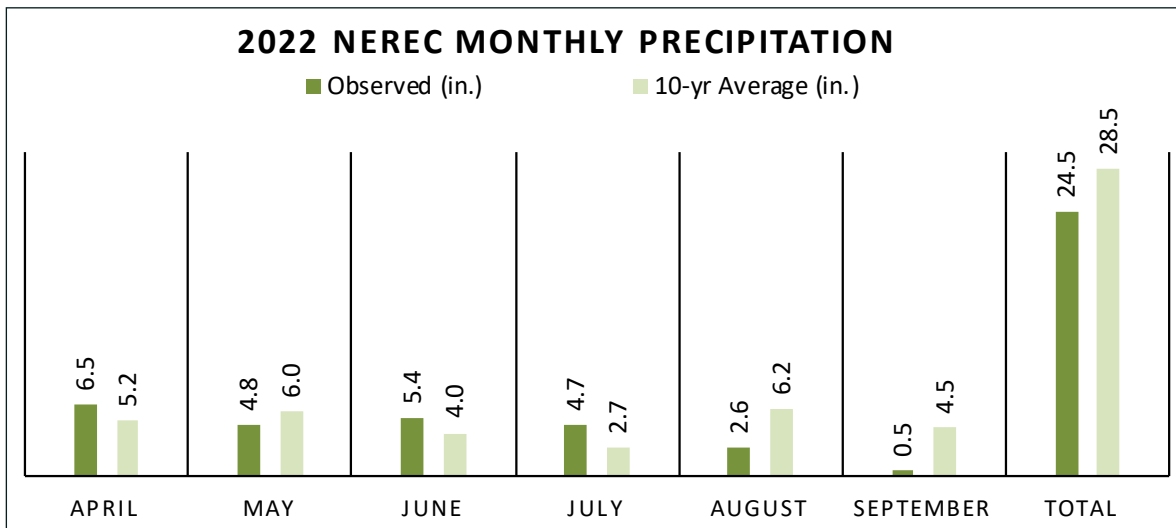
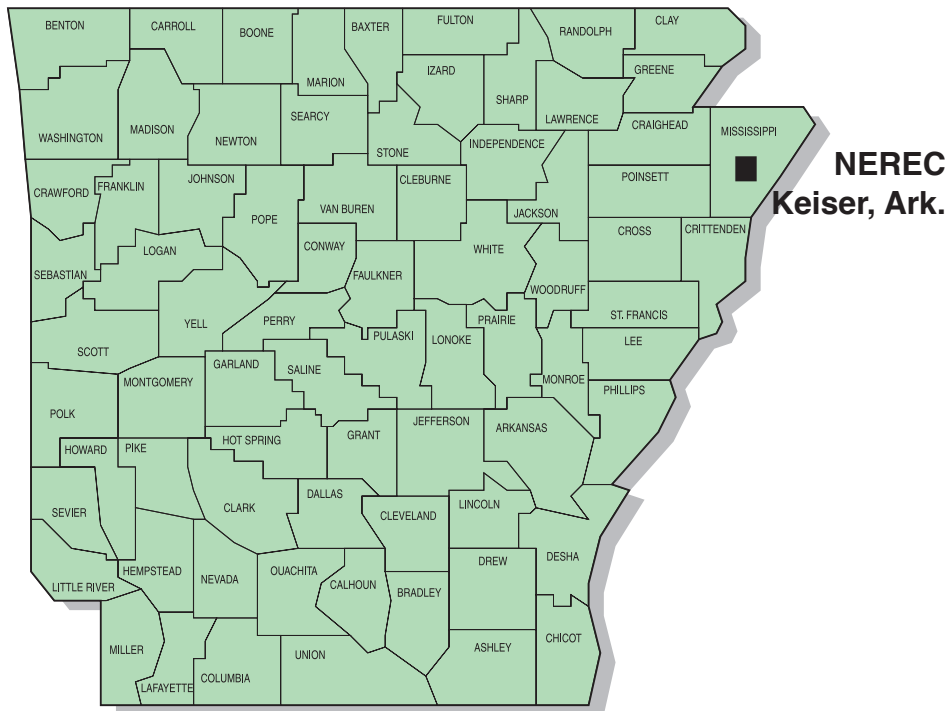
<b>Brand/Hybrid</b>	<b>Yield (bu./ac)</b>	<b>Moisture (%)</b>	<b>Ear<sup>a</sup> (in.)</b>	<b>Tip<sup>b</sup></b>
Axis 65T29RIB	193.1	15.1	47.5	1.3
Dyna-Gro D57VC53	192.4	16.6	47.8	1.0
Dyna-Gro D55VC80	192.1	15.6	47.5	1.0
LG66C06VT2Pro	191.8	15.7	50.3	1.0
Pioneer P1608YHR	191.3	15.7	45.8	1.0
NK1701-3220	189.6	14.7	45.5	1.0
Progeny PGY 9117VT2P	187.8	16.1	46.8	1.0
AgriGold A643-52VT2PRO	187.7	14.9	50.0	1.3
Innvictis MEX1791VT2P	187.7	15.6	46.8	1.0
Pioneer P1222YHR	186.2	14.7	47.0	1.0
Progeny PGY 2015VT2P	184.7	15.2	49.3	1.0
Axis 68P28RIB	183.8	16.4	47.5	1.0
Dyna-Gro D58VC65	183.0	15.3	45.0	1.0
CP5678	181.5	15.4	45.3	1.3
Revere 1919 VT2P	180.3	17.2	43.5	1.3
CP20117C/VT2P	178.0	17.0	46.3	1.0
LG69C03VT2Pro	174.2	17.7	43.8	1.0
Revere 1707 VT2P	174.0	18.0	48.8	1.0
Pioneer P1289YHR	172.9	14.2	44.5	1.0
NK1838-3110	171.7	16.5	46.3	1.0
NK1677-3110	168.5	15.6	47.0	1.0
NK1460-5222	168.0	15.8	44.3	1.0
NK1349-3220	166.3	14.5	45.8	1.3
Innvictis A1689T	161.2	15.4	43.8	1.3
Master Farmer MRZ-C152-5122- EZ1	160.1	15.4	53.3	1.3
BH X22045	159.2	15.4	48.5	1.3
Master Farmer MBE172-3110	159.0	17.6	47.8	1.0
NK1523-3220	157.6	15.2	40.5	1.3
GRAND MEAN	200.0	15.7	46.2	1.1
LSD (5%)	28.6	0.6	3.7	•
C.V.	10.6	3.4	6.9	•

<sup>a</sup> The average distance in inches from the soil surface to the point of attachment of upper ear.

<sup>b</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.

# Keiser: Northeast Research and Extension Center (NEREC)

## Irrigated Corn Hybrids Trial Summary, 2022



<b>Soil Series</b>	Sharkey clay
<b>Row Spacing</b>	38 in.
<b>Planting Date</b>	May 2
<b>Harvest Date</b>	October 11

<b>Irrigation Dates</b>	June 17; July 5, 25
<b>Fertilizer Application(s)</b>	150 units of Urea
<b>Herbicide Application(s)</b>	Atrazine® 2 qt/ac, Roundup® 1 qt/ac Acuron® 2.5 qt/ac
<b>Date</b>	June 3
<b>Date</b>	May 2

**Table 10. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2022.**

<b>Brand/Hybrid</b>	<b>Yield</b>	<b>2-Year<sup>a</sup></b>	<b>3-Year<sup>b</sup></b>	<b>Moisture</b>	<b>Ear<sup>c</sup></b>	<b>Tip<sup>d</sup></b>
	<b>(bu./ac)</b>	<b>Avg.</b>	<b>Avg.</b>	<b>(%)</b>	<b>Height</b>	<b>Cover</b>
		<b>(bu./ac)</b>	<b>(bu./ac)</b>		<b>(in.)</b>	
Revere ZS1525 3220A	226.1	•	•	12.3	41.0	1.0
Revere 1919 VT2P	225.9	234.3	•	12.5	42.5	2.5
Innvictis A1551VT2P	225.6	•	•	12.3	40.0	1.0
CP5678	225.1	•	•	12.4	44.0	2.0
DEKALB DKC 64-22	224.0	•	•	12.3	42.5	1.0
Master Farmer MBE172-3110	223.8	•	•	12.4	43.5	1.0
AgriGold A643-52VT2PRO	222.3	•	•	12.0	41.0	2.0
Pioneer P1608YHR	220.5	•	•	12.3	45.5	1.0
Axis 64E72RIB	219.2	•	•	12.4	43.0	1.5
Axis 63M73RIB	218.9	•	•	12.4	43.0	2.5
Revere 1307 TC	217.7	243.1	226.9	12.4	41.5	2.5
NK1523-3220	217.3	229.4	•	12.4	43.5	1.5
NK1460-5222	216.2	218.6	•	12.0	49.5	1.0
NK1677-3110	215.6	228.1	•	12.2	43.5	1.5
Innvictis A1689T	215.6	226.4	•	12.3	46.5	1.5
Progeny PGY2015VT2P	215.6	233.0	218.0	12.4	46.0	1.0
Progeny PGY9114VT2P	215.3	226.8	208.5	12.2	45.5	1.5
DEKALB DKC 62-70	215.1	231.2	•	12.3	42.0	1.0
AgriGold A645-16VT2RIB	214.2	228.5	213.7	12.0	45.5	1.0
Dyna-Gro D57VC53	213.4	•	•	12.6	45.0	1.0
DEKALB DKC 67-44	212.4	243.5	218.2	12.3	43.0	1.5
CP20117C/VT2P	212.4	•	•	12.2	45.5	2.0
LG67C07VT2Pro	212.3	•	•	12.1	45.0	1.5
LG66C44VT2Pro	212.2	229.0	214.3	12.3	45.5	1.5
Progeny PGY9117VT2P	212.0	230.8	211.1	12.3	41.5	1.0
Dyna-Gro D57VC51	211.9	228.9	214.8	12.2	44.5	1.0
DEKALB DKC 66-06	211.7	•	•	12.2	45.0	2.5
Dyna-Gro D58VC65	211.7	230.6	213.6	12.1	45.5	1.0
Dyna-Gro D54VC14	211.2	221.7	•	12.7	45.0	1.0
NK1349-3220	210.5	•	•	12.4	42.5	2.0
DEKALB DKC 65-99	209.1	225.9	213.1	12.0	43.0	2.0
Pioneer P1289YHR	208.4	•	•	12.4	48.5	2.0
Pioneer P1718VYHR	208.4	•	•	12.4	43.0	2.0
LG66C06VT2Pro	208.1	•	•	12.4	45.5	1.5
BH 8412VT2P	208.0	•	•	12.3	41.5	2.0
LG69C03VT2Pro	207.8	•	•	12.2	42.5	2.0
NK1082-5222A	207.1	•	•	12.5	45.0	1.0
Pioneer P1511YHR	207.0	•	•	12.4	46.0	1.5
Progeny PGY2118VT2P	206.6	225.7	211.0	12.3	42.5	2.0
AgriGold A647-79VT2PRO	206.3	•	•	12.2	48.0	1.0

Continued

**Table 10. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2022, Continued.**

Brand/Hybrid	Yield (bu./ac)	2-Year <sup>a</sup>	3-Year <sup>b</sup>	Moisture (%)	Ear <sup>c</sup>	Tip <sup>d</sup>
		Avg. (bu./ac)	Avg. (bu./ac)		Height (in.)	Cover
Pioneer P1170YHR	205.2	•	•	12.3	42.5	1.0
BH X22045	205.1	•	•	12.4	42.5	2.0
NK1838-3110	205.0	•	•	12.5	44.0	1.5
BH X22002VT2P	204.6	•	•	12.4	44.0	1.5
Master Farmer MRZ-C152-5122- EZ1	203.6	•	•	12.2	46.5	1.5
Revere 1898 TC	203.2	223.1	212.3	12.2	44.0	1.0
Progeny PGY2215TRE	203.1	•	•	12.2	45.0	1.5
Progeny PGY8116SS	202.9	216.7	206.8	12.4	44.5	1.5
Pioneer P1222YHR	202.8	•	•	12.4	40.0	2.0
Axis 65T29RIB	202.6	•	•	12.2	42.0	1.5
Axis 68P28RIB	201.4	•	•	12.3	40.0	1.0
BH 8721VT2P	200.4	226.0	210.4	12.1	42.5	2.0
Revere 1627 TC	200.0	•	•	12.3	44.5	1.5
CP5497	199.9	214.3	•	12.2	43.0	1.5
DEKALB DKC 70-45	199.6	•	•	12.3	45.0	1.5
Revere 1707 VT2P	198.6	212.0	205.6	12.0	45.5	2.0
Axis 65W75RIB	198.1	•	•	12.2	43.0	2.0
CP5550	197.8	•	•	12.3	40.5	2.5
Dyna-Gro D52VC63	197.7	207.9	•	12.2	42.5	2.0
NK1701-3220	197.2	•	•	12.3	44.5	1.0
BH 8644TRE	196.1	•	•	12.1	44.0	1.0
Revere 1577 VT2P	196.1	•	•	12.2	40.5	2.0
DEKALB DKC 69-99	194.6	217.5	•	12.2	43.5	2.0
AgriGold A650-21VT2PRO	194.1	•	•	12.3	42.0	2.0
Dyna-Gro D55VC80	193.7	220.6	208.1	12.3	45.5	2.0
DEKALB DKC 67-94	193.5	224.3	•	11.9	44.0	1.0
Innvictis MEX1791VT2P	193.3	•	•	12.2	43.0	1.0
DEKALB DKC 68-35	186.3	•	•	12.3	45.0	1.0
GRAND MEAN	208.1	•	•	12.3	43.7	1.6
LSD (5%)	22.0	•	•	•	•	•
C.V.	9.3	•	•	•	•	•

<sup>a</sup> Average yield for 2021 and 2022.

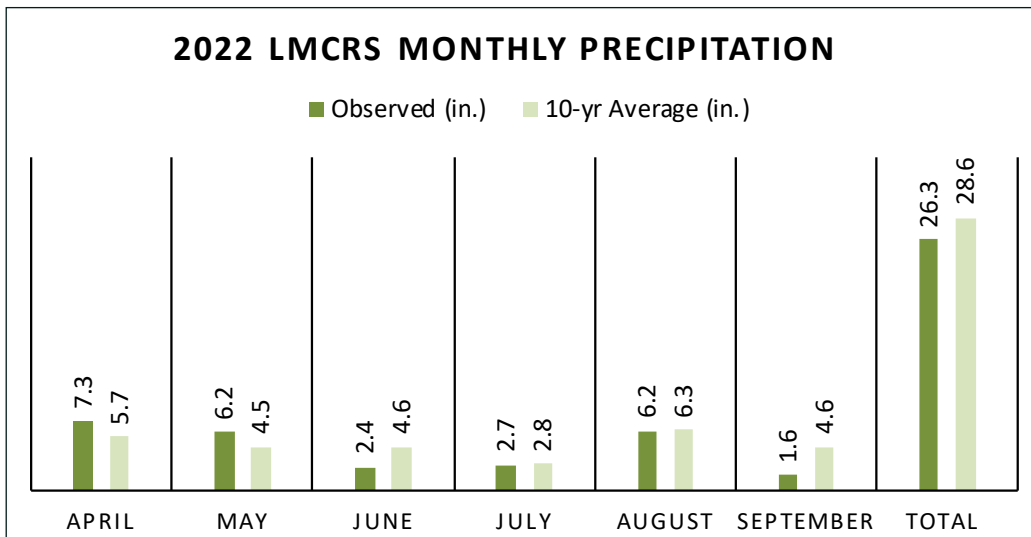
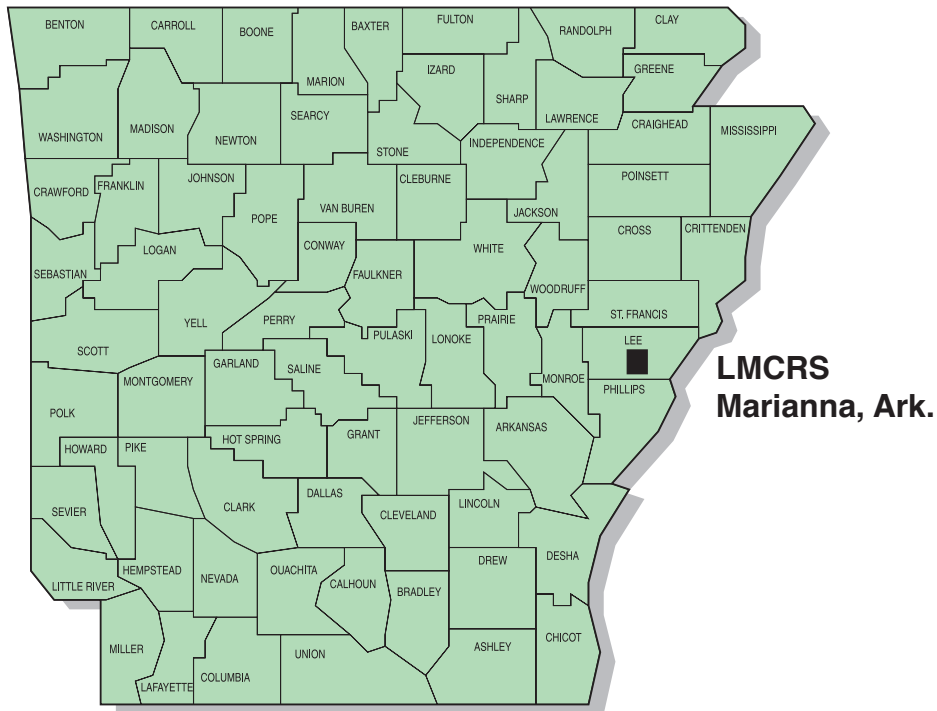
<sup>b</sup> Average yield for 2020, 2021, and 2022.

<sup>c</sup> The average distance in inches from the soil surface to the point of attachment of upper ear.

<sup>d</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.

## Lon Mann Cotton Research Station (LMCRS), Marianna, Ark.

### Irrigated Corn Hybrids Trial Summary, 2022



<b>Soil Series</b>
Calloway silt loam
<b>Row Spacing</b>
38 in.
<b>Planting Date</b>
April 24
<b>Harvest Date</b>
September 12

<b>Irrigation Dates</b>	June 16, 22, 29; July 6, 12, 25; August 10, 16
<b>Fertilizer Application(s)</b>	<b>Date</b>
60-23-70-18-5	April 19
46-0-0, 400 lb	May 20
<b>Herbicide Application(s)</b>	<b>Date</b>
Dual® 1 pt	April 24
Dual® 21 oz	April 30
Atrazine® 4 pt	May 24
Dual® 21 oz	May 24

**Table 11. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2022.**

Brand/Hybrid	Yield (bu./ac)	2-Year <sup>a</sup>	3-Year <sup>b</sup>	Moisture (%)	Test	Ear <sup>c</sup>	Tip <sup>d</sup>
		Avg. (bu./ac)	Avg. (bu./ac)		Weight (lb/bu.)	Height (in.)	Cover
CP5678	212.5	•	•	17.4	59.7	45.0	1.0
LG66C06VT2Pro	212.1	•	•	17.6	56.8	46.0	1.0
Axis 68P28RIB	211.7	•	•	14.7	48.5	43.8	1.3
AgriGold A645-16VT2RIB	210.7	215.4	218.8	17.8	55.8	46.3	1.0
Pioneer P1718VYHR	209.9	•	•	17.1	55.6	46.3	1.0
Progeny PGY2118VT2P	209.4	219.8	224.5	17.3	56.7	43.8	1.0
Dyna-Gro D52VC63	209.3	213.2	•	17.5	55.8	44.5	1.0
NK1349-3220	208.2	•	•	17.6	56.6	45.8	1.0
AgriGold A643-52VT2PRO	208.1	•	•	18.1	55.4	46.8	1.3
AgriGold A650-21VT2PRO	207.5	•	•	16.4	57.5	45.3	1.0
NK1460-5222	207.3	224.8	•	17.3	54.7	44.3	1.5
BH 8721VT2P	206.5	209.8	219.0	17.5	53.7	44.5	1.3
Progeny PGY8116SS	205.4	213.4	217.1	17.7	55.3	45.5	1.0
Revere 1307 TC	205.1	202.5	215.7	17.3	50.8	44.3	1.3
Axis 65T29RIB	204.8	•	•	17.3	48.5	44.3	1.3
Revere 1898 TC	204.7	221.0	223.5	17.4	56.1	45.3	1.0
AgriGold A647-79VT2PRO	204.5	•	•	16.5	55.6	44.8	1.0
DEKALB DKC 68-35	204.4	•	•	18.0	56.0	45.5	1.0
NK1838-3110	204.3	•	•	18.2	55.9	45.0	1.3
Revere 1577 VT2P	204.2	•	•	17.1	56.4	46.0	1.0
Dyna-Gro D55VC80	204.0	217.5	225.5	17.5	59.0	44.3	1.0
Axis 63M73RIB	203.8	•	•	17.0	55.8	45.0	1.0
Revere 1707 VT2P	203.7	217.2	220.3	17.4	55.7	43.5	1.3
Progeny PGY9117VT2P	202.1	207.3	215.4	17.3	58.8	44.8	1.0
Dyna-Gro D57VC53	202.0	•	•	17.2	55.9	45.0	1.0
NK1677-3110	201.7	211.3	•	17.4	49.3	44.3	1.0
Master Farmer MRZ-C152-5122- EZ1	200.9	•	•	17.5	55.7	46.0	1.0
Innvictis A1689T	200.4	209.3	•	18.1	53.4	46.3	1.0
LG66C44VT2Pro	198.7	213.6	214.8	17.2	66.4	43.8	1.0
Dyna-Gro D57VC51	198.6	207.4	220.6	16.5	55.7	46.3	1.3
Master Farmer MBE172-3110	198.2	•	•	17.7	56.6	45.5	1.0
Pioneer P1511YHR	198.2	•	•	17.9	55.4	44.8	1.3
Revere 1919 VT2P	198.0	202.5	•	18.0	77.0	44.8	1.0
NK1082-5222A	197.4	•	•	17.6	54.6	43.0	1.0
LG67C07VT2Pro	197.2	•	•	16.4	51.9	44.5	1.3
Innvictis A1551VT2P	196.5	•	•	17.3	56.1	45.0	1.0
LG69C03VT2Pro	196.4	•	•	16.2	56.2	47.0	1.3
Axis 65W75RIB	196.3	•	•	17.2	56.4	45.8	1.0
Pioneer P1222YHR	196.2	•	•	17.3	57.2	44.8	1.3
BH 8412VT2P	195.1	•	•	18.4	56.4	45.0	1.0

Continued

**Table 11. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2022, Continued.**

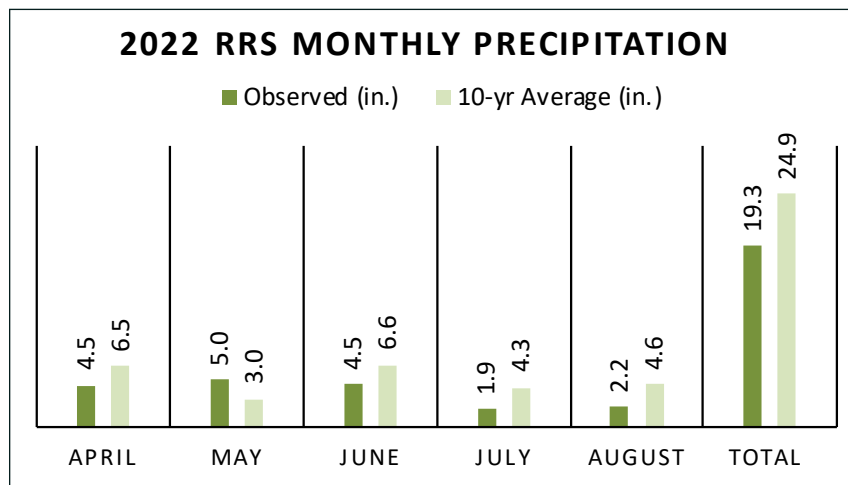
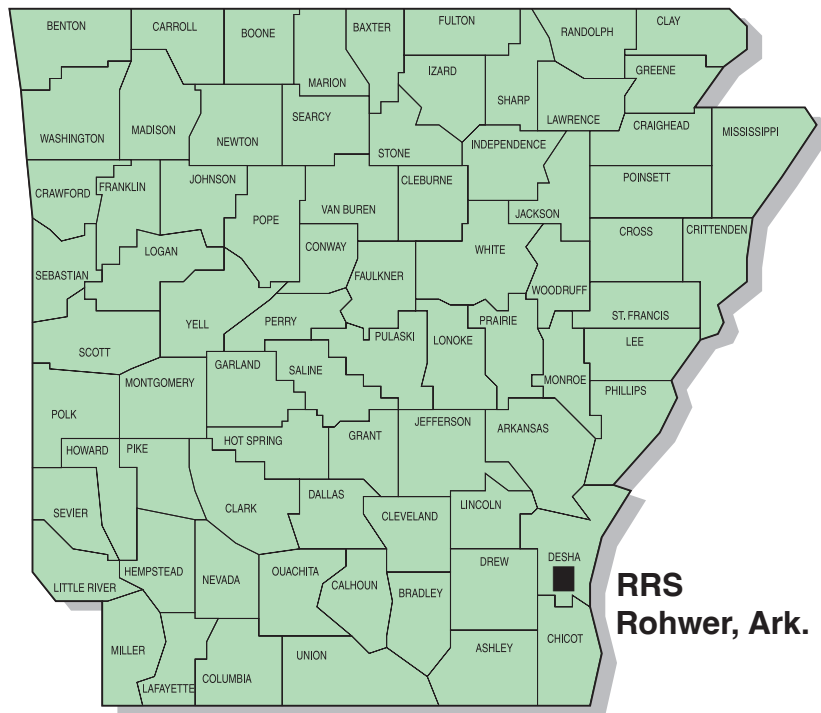
Brand/Hybrid	Yield (bu./ac)	2-Year <sup>a</sup>	3-Year <sup>b</sup>	Moisture (%)	Test Weight (lb/bu.)	Ear <sup>c</sup> Height (in.)	Tip <sup>d</sup> Cover
		Avg. (bu./ac)	Avg. (bu./ac)				
DEKALB DKC 69-99	195.0	207.7	•	16.6	55.9	43.8	1.0
DEKALB DKC 70-45	194.6	•	•	17.0	56.0	43.5	1.3
Progeny PGY2015VT2P	193.8	193.4	193.5	17.5	56.3	43.0	1.0
BH 8644TRE	193.6	•	•	17.0	54.9	46.8	1.5
DEKALB DKC 66-06	193.4	•	•	17.4	56.7	43.3	1.0
DEKALB DKC 67-44	192.3	216.8	220.6	17.3	54.8	45.0	1.0
CP5550	192.2	•	•	16.7	56.5	44.0	1.3
Pioneer P1608YHR	191.8	•	•	17.5	56.3	42.5	1.3
NK1523-3220	191.7	214.3	•	17.3	55.7	44.5	1.3
Progeny PGY2215TRE	191.5	•	•	17.4	56.0	45.5	1.0
Dyna-Gro D58VC65	190.7	207.3	217.2	17.0	55.1	44.5	1.0
BH X22002VT2P	190.2	•	•	17.3	63.8	47.0	1.0
DEKALB DKC 64-22	189.3	•	•	16.6	55.5	43.3	1.0
Revere ZS1525 3220A	189.1	•	•	17.5	54.8	44.8	1.0
Revere 1627 TC	189.0	•	•	18.2	56.6	42.5	1.0
Innvictis MEX1791VT2P	188.5	•	•	17.3	57.2	43.8	1.0
CP5497	188.3	201.4	•	15.9	66.9	43.0	1.0
Dyna-Gro D54VC14	188.0	209.0	•	18.7	55.1	46.0	1.0
Pioneer P1289YHR	187.9	•	•	17.9	56.1	45.0	1.3
DEKALB DKC 65-99	187.8	210.7	216.8	16.7	55.8	45.8	1.0
Progeny PGY9114VT2P	187.6	217.2	218.0	17.3	49.5	45.3	1.3
CP20117C/VT2P	187.1	•	•	17.2	56.1	45.8	1.3
Pioneer P1170YHR	186.1	•	•	17.9	55.7	43.0	1.0
Axis 64E72RIB	185.3	•	•	16.7	56.1	46.5	1.0
DEKALB DKC 62-70	184.3	212.1	•	19.0	55.4	46.0	1.0
DEKALB DKC 67-94	184.1	214.4	•	18.0	55.6	43.3	1.5
NK1701-3220	179.7	•	•	17.5	56.1	42.5	1.3
BH X22045	169.6	•	•	17.9	58.0	43.0	1.0
GRAND MEAN	197.3	•	•	17.3	56.2	44.7	1.1
LSD (5%)	18.7	•	•	•	•	•	•
C.V.	8.1	•	•	•	•	•	•

<sup>a</sup> Average yield for 2021 and 2022.<sup>b</sup> Average yield for 2020, 2021, and 2022.<sup>c</sup> The average distance in inches from the soil surface to the point of attachment of upper ear.<sup>d</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.



# Rohwer: Rohwer Research Station (RRS)

## Irrigated Corn Hybrids Trial Summary, 2022



<b>Soil Series</b>
Herbert silt loam
<b>Previous Crop</b>
Cotton
<b>Row Spacing</b>
38 in.
<b>Planting Date</b>
April 8
<b>Harvest Date</b>
September 8

<b>Irrigation Dates</b>	June 23; July 6, 12, 19, 28
<b>Fertilizer Application(s)</b>	<b>Date</b>
0-0-60 100 lb	April 4
32% N 140 lb	May 4
32% N 80 lb	May 19
<b>Herbicide Application(s)</b>	<b>Date</b>
Paraquat® 1 qt	April 9
Atrazine® 1 qt	April 9
Dual® 1.33 pt	April 9
Atrazine® 1 qt	May 4
Dual® 1.33 pt	May 4

**Table 12. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2022.**

<b>Brand/Hybrid</b>	<b>Yield</b>	<b>2-Year<sup>a</sup></b>	<b>3-Year<sup>b</sup></b>	<b>Ear<sup>c</sup></b>	<b>Tip<sup>d</sup></b>
	<b>(bu./ac)</b>	<b>Avg.</b>	<b>Avg.</b>	<b>Height</b>	<b>Cover</b>
		<b>(bu./ac)</b>	<b>(bu./ac)</b>	<b>(in.)</b>	
Pioneer P1718VYHR	235.1	•	•	44.0	1.0
DEKALB DKC 66-06	234.1	•	•	48.0	1.0
DEKALB DKC 68-35	233.3	•	•	42.5	1.0
CP5497	230.5	217.8	•	44.0	1.0
DEKALB DKC 69-99	228.3	224.0	•	47.5	1.0
BH X22002VT2P	226.4	•	•	44.5	1.0
LG67C07VT2Pro	224.8	•	•	45.0	1.5
Revere 1307 TC	222.4	221.3	234.1	45.5	1.5
AgriGold A643-52VT2PRO	222.4	•	•	44.5	1.0
DEKALB DKC 67-94	219.9	226.7	•	42.0	1.0
Pioneer P1511YHR	219.1	•	•	48.5	1.5
BH 8644TRE	218.9	•	•	44.5	1.5
AgriGold A647-79VT2PRO	218.1	•	•	47.0	1.0
Dyna-Gro D57VC51	217.9	227.2	227.6	42.5	1.0
DEKALB DKC 64-22	217.6	•	•	45.5	1.0
CP5550	217.5	•	•	43.5	1.0
Axis 64E72RIB	216.8	•	•	45.0	1.0
Revere 1898 TC	216.6	220.3	231.5	45.5	1.5
Revere 1627 TC	215.9	•	•	42.0	1.5
Revere ZS1525 3220A	213.8	•	•	43.5	1.0
Progeny PGY2118VT2P	213.5	211.8	226.3	45.0	1.0
DEKALB DKC 67-44	213.4	215.8	220.6	44.5	1.5
Axis 65W75RIB	212.0	•	•	46.5	1.0
Pioneer P1170YHR	210.5	•	•	43.0	1.0
BH X22045	210.5	•	•	41.0	1.5
Dyna-Gro D55VC80	209.8	218.5	223.0	44.0	1.0
AgriGold A645-16VT2RIB	209.3	207.4	215.5	49.5	1.0
Axis 63M73RIB	209.2	•	•	45.5	1.5
Progeny PGY2215TRE	209.1	•	•	43.0	1.0
Revere 1707 VT2P	209.1	211.9	219.9	43.5	1.0
Pioneer P1289YHR	208.1	•	•	46.5	1.0
Innvictis A1689T	207.1	210.6	•	43.0	1.0
Dyna-Gro D54VC14	206.4	211.9	•	44.0	1.0
Progeny PGY9117VT2P	206.4	200.2	210.1	45.0	1.0
Innvictis A1551VT2P	205.1	•	•	44.5	1.0
DEKALB DKC 65-99	204.7	212.3	220.1	43.5	1.0
Revere 1919 VT2P	204.3	193.2	•	43.0	1.0
LG66C44VT2Pro	203.6	206.9	211.5	47.5	1.0
Revere 1577 VT2P	202.8	•	•	44.5	1.0
Progeny PGY9114VT2P	202.1	206.6	213.6	40.0	1.0

Continued

**Table 12. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2022, Continued.**

<b>Brand/Hybrid</b>	<b>Yield</b>	<b>2-Year<sup>a</sup></b>	<b>3-Year<sup>b</sup></b>	<b>Ear<sup>c</sup></b>	<b>Tip<sup>d</sup></b>
	<b>(bu./ac)</b>	<b>Avg.</b>	<b>Avg.</b>	<b>Height</b>	<b>Cover</b>
		<b>(bu./ac)</b>	<b>(bu./ac)</b>	<b>(in.)</b>	
BH 8721VT2P	202.1	199.1	210.7	44.5	1.5
DEKALB DKC 62-70	201.8	212.1	•	45.0	1.5
Dyna-Gro D58VC65	201.3	211.2	220.0	44.0	1.0
Axis 68P28RIB	200.5	•	•	43.5	1.0
DEKALB DKC 70-45	200.1	•	•	44.5	2.0
Progeny PGY8116SS	199.5	208.1	210.6	45.0	1.5
Dyna-Gro D57VC53	199.4	•	•	48.5	1.5
Innvictis MEX1791VT2P	197.3	•	•	44.5	1.0
CP5678	197.3	•	•	46.5	1.0
Pioneer P1608YHR	196.0	•	•	44.0	1.0
Pioneer P1222YHR	195.5	•	•	46.5	1.0
BH 8412VT2P	195.0	•	•	44.0	1.0
CP20117C/VT2P	194.1	•	•	47.5	1.5
NK1460-5222	193.4	211.1	•	44.5	1.0
Progeny PGY2015VT2P	192.4	190.8	204.9	43.5	1.5
NK1082-5222A	191.2	•	•	43.0	1.5
Dyna-Gro D52VC63	190.3	194.0	•	40.5	1.5
NK1677-3110	190.2	198.9	•	48.5	1.5
NK1523-3220	190.0	203.2	•	41.5	1.0
AgriGold A650-21VT2PRO	189.3	•	•	46.5	1.0
NK1349-3220	187.3	•	•	46.0	1.5
Axis 65T29RIB	187.1	•	•	45.5	1.5
LG66C06VT2Pro	186.1	•	•	41.5	1.0
NK1701-3220	183.7	•	•	40.0	1.0
LG69C03VT2Pro	183.2	•	•	46.0	1.0
Master Farmer MRZ-C152-5122- EZ1	181.9	•	•	47.5	1.5
Master Farmer MBE172-3110	179.3	•	•	47.0	1.0
NK1838-3110	173.8	•	•	43.0	1.0
GRAND MEAN	206.4	•	•	44.6	1.4
LSD (5%)	18.6	•	•	•	•
C.V.	7.7	•	•	•	•

<sup>a</sup> Average yield for 2021 and 2022.

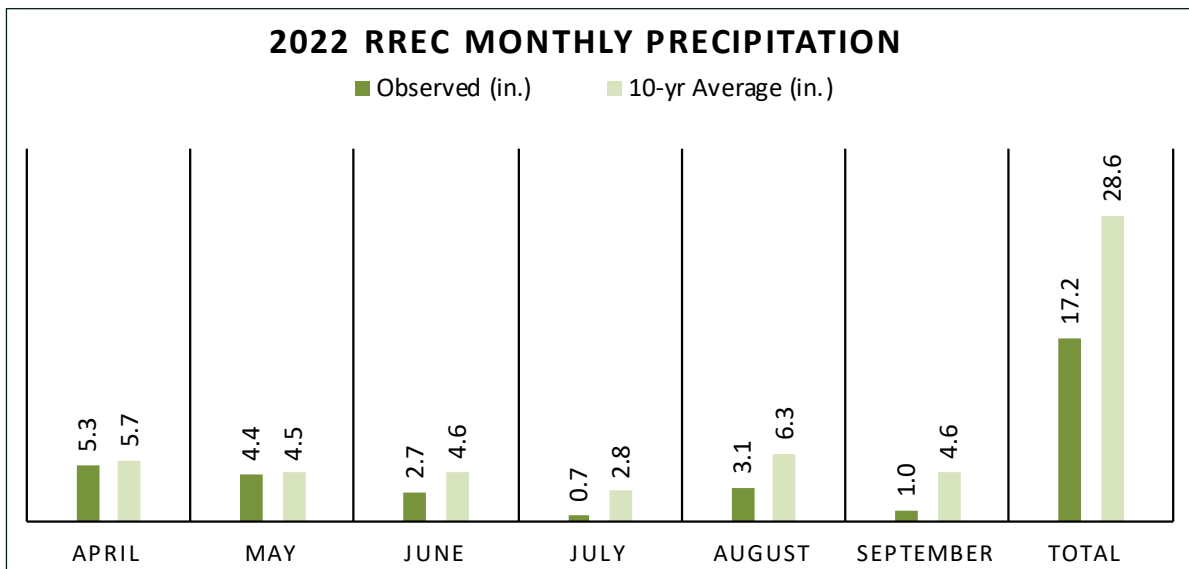
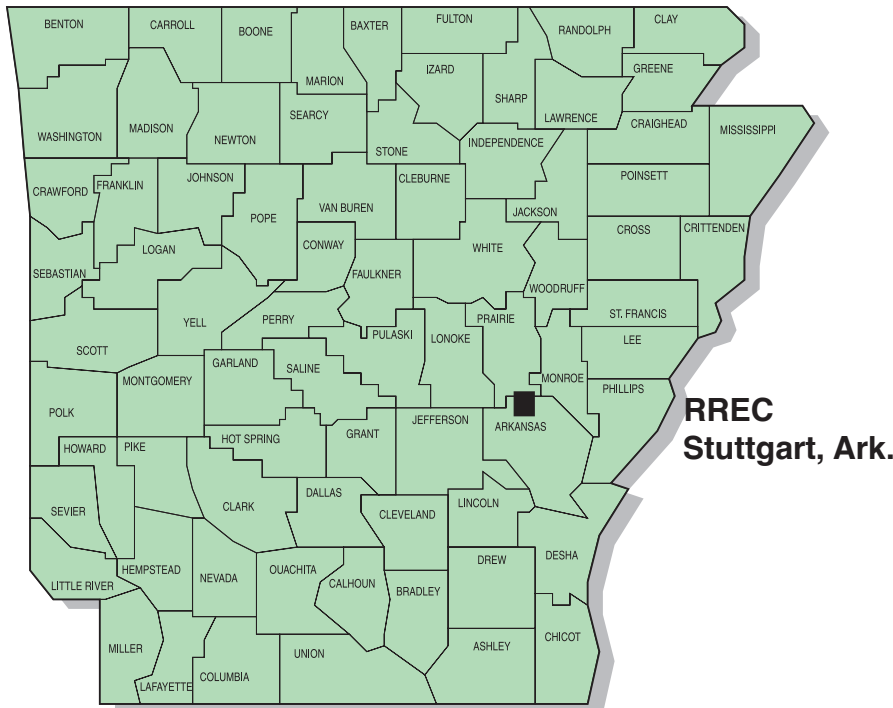
<sup>b</sup> Average yield for 2020, 2021, and 2022.

<sup>c</sup> The average distance in inches from the soil surface to the point of attachment of upper ear.

<sup>d</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.

## Stuttgart: Rice Research and Extension Center (RREC)

### Irrigated Corn Hybrids Trial Summary, 2022



<b>Soil Series</b>
Crowley silt loam
<b>Previous Crop</b>
Soybean
<b>Row Spacing</b>
30 in.
<b>Planting Date</b>
April 29
<b>Harvest Date</b>
September 23

<b>Irrigation Dates</b>	June 18; July 1, 15, 28; August 12; September 2
<b>Fertilizer Application(s)</b>	80-90-70-24-10, lb/ac of N, P, K, S, and Zn 250 lb Urea 200 lb Urea
<b>Herbicide Application(s)</b>	Roundup® 1 qt/ac + Dual Magnum® 1.5 pt/ac + Atrazine® 2 qt/ac
<b>Date</b>	April 4 June 9 June 28
<b>Date</b>	May 4

**Table 13. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2022.**

Hybrid Name	Yield (bu./ac)	Moisture (%)	Ear <sup>a</sup> Height (in.)	Tip <sup>b</sup> Cover
BH X22002VT2P	272.8	15.0	47.0	1.0
CP5497	264.8	14.7	43.5	1.0
Revere 1577 VT2P	262.3	14.5	43.5	1.0
BH X22045	260.7	14.2	48.0	1.5
AgriGold A647-79VT2PRO	260.2	14.7	44.0	1.5
Axis 65W75RIB	259.8	15.2	45.5	1.0
BH 8721VT2P	259.7	14.5	46.0	1.0
DKC 64-22	259.4	15.0	45.5	1.0
NK1677-3110	259.0	15.6	46.5	1.0
Progeny PGY 2215TRE	258.8	14.6	44.0	1.0
DKC 66-06	258.4	14.5	45.5	1.0
DKC 69-99	256.0	15.4	46.5	1.5
DKC 68-35	256.0	14.8	45.5	2.0
Dyna-Gro D58VC65	255.0	14.4	43.5	1.0
DKC 70-45	254.8	15.6	45.5	1.0
Pioneer P1718VYHR	254.6	14.7	47.5	1.0
BH 8412VT2P	254.3	14.0	43.0	1.5
Revere 1307 TC	253.7	13.9	43.0	1.0
LG66C44VT2Pro	253.7	14.7	49.5	1.0
LG67C07VT2Pro	252.6	14.9	46.0	1.0
Dyna-Gro D54VC14	251.7	14.0	42.0	1.5
DKC 62-70	251.4	14.5	46.5	1.0
Pioneer P1511YHR	251.4	14.8	47.0	1.0
Revere 1898 TC	250.6	14.5	46.5	1.0
DKC 67-44	248.8	15.0	46.0	1.5
LG69C03VT2Pro	248.4	15.7	45.5	1.0
Dyna-Gro D55VC80	247.6	14.6	51.0	1.0
Axis 63M73RIB	247.4	15.0	46.0	1.5
Dyna-Gro D57VC51	247.3	14.2	43.0	1.0
AgriGold A643-52VT2PRO	247.0	14.4	45.0	1.5
CP5678	246.3	14.3	41.5	1.0
AgriGold A645-16VT2RIB	245.5	14.3	48.5	1.0
LG66C06VT2Pro	245.2	14.7	51.0	1.0
Progeny PGY 9117VT2P	245.0	14.4	47.0	1.0
Progeny PGY 2015VT2P	244.1	14.0	48.5	1.0
Axis 64E72RIB	244.1	15.5	47.0	1.5
BH 8644TRE	242.6	14.7	43.5	1.0
Progeny PGY 9114VT2P	240.5	14.2	39.0	1.5
Pioneer P1608YHR	239.1	14.7	47.0	1.0
Dyna-Gro D52VC63	238.2	14.1	45.0	1.0

Continued

**Table 13. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2022, Continued.**

Hybrid Name	Yield (bu./ac)	Moisture (%)	Ear <sup>a</sup> Height (in.)	Tip <sup>b</sup> Cover
NK1082-5222A	237.7	13.5	41.5	1.0
Axis 68P28RIB	237.5	15.3	46.5	1.0
Pioneer P1289YHR	237.5	14.2	46.5	1.0
DKC 65-99	236.7	15.1	44.0	1.0
Revere 1919 VT2P	236.3	16.3	45.5	1.5
Progeny PGY 8116SS	234.5	15.0	49.0	1.0
Innvictis A1551VT2P	234.3	14.2	45.0	1.5
NK1460-5222	234.3	13.8	49.5	1.0
Progeny PGY 2118VT2P	233.9	15.8	49.0	1.0
Axis 65T29RIB	233.2	14.7	50.5	1.0
DKC 67-94	232.4	15.3	44.0	1.0
Dyna-Gro D57VC53	232.4	15.6	48.0	1.0
NK1523-3220	231.2	14.4	41.0	1.0
Master Farmer MRZ-C152-5122- EZ1	230.9	13.6	49.5	1.0
Revere 1627 TC	230.0	15.2	47.5	1.0
Revere 1707 VT2P	229.6	15.7	45.5	1.0
AgriGold A650-21VT2PRO	229.3	16.2	47.0	1.0
Pioneer P1222YHR	229.0	14.1	48.0	1.0
Pioneer P1170YHR	228.8	14.1	44.0	1.0
CP20117C/VT2P	228.2	15.6	44.5	1.0
CP5550	227.3	14.4	41.5	1.0
Master Farmer MBE172-3110	225.1	14.4	41.5	1.0
Innvictis MEX1791VT2P	222.7	15.4	47.5	1.0
NK1838-3110	220.5	14.5	45.5	1.0
NK1349-3220	215.5	13.9	46.0	1.0
Innvictis A1689T	213.1	14.5	43.0	1.0
NK1701-3220	211.5	13.2	42.5	1.0
Revere ZS1525 3220A	208.7	14.7	42.5	1.0
GRAND MEAN	243.3	14.7	45.6	1.1
LSD (5%)	20.0	0.7	3.8	•
C.V.	7.0	3.8	5.1	•

<sup>a</sup> The average distance in inches from the soil surface to the point of attachment of upper ear.

<sup>b</sup> Ear tip cover rated as good (1), average (2), or poor (3). Ear tip cover rated as "good" had husks reaching well-beyond the end of the ear and fit tightly. An "average" rating was given when husks reached to the tip of the ear and fit loosely. A "poor" rating was given when ears were open to the weather.

## Participants and Entries 2022 Grain Sorghum Tests

<u>Company</u>	<u>Hybrids</u>
<b>Advanta US</b> 2001 E 1st St. Hereford, TX 79045	ADV G1203 ADV G2165
<b>Bayer Crop Science</b> 800 N. Lindbergh Blvd. St. Louis, MO 63167	DEKALB DKS 44-07 DEKALB DKS 50-07 DEKALB DKS 51-01 DEKALB DKS 54-07
<b>Carolina Seed Systems</b> 2200 Pocket Rd Florence, SC 29506	Exp001 Exp002 Exp003 Launch
<b>Nutrien Ag Solutions</b> 3005 Rocky Mountain Ave. Loveland, CO 80538	Dyna-Gro GX21965 Dyna-Gro GX22932 Dyna-Gro GX22934 Dyna-Gro M60GB31 Dyna-Gro M63GB78 Dyna-Gro M67GB87 Dyna-Gro M71GR91 Dyna-Gro M72GB71
<b>Pioneer Hi-Bred International</b> 7300 NW 62nd Ave. Johnston, IA 50131	Pioneer 82P83 Pioneer 83P73 Pioneer 84P68
<b>S&amp;W Seed Co.</b> 2101 Ken Pratt Blvd., Suite 201 Longmont, CO 80501	SP67B17 SP7715 SPSC343

## Participants and Entries 2022 Corn Tests

<u>Company</u>	<u>Hybrids</u>
<b>AgriGold Hybrids</b> 5381 Akin Rd St. Francisville, IL 62460	AgriGold A643-52VT2PRO AgriGold A645-16VT2RIB AgriGold A647-79VT2PRO AgriGold A650-21VT2PRO
<b>BH Genetics</b> 5933 FM 1157 Ganado, TX 77962	BH 8412VT2P BH 8644TRE BH 8721VT2P BH X22002VT2P BH X22045
<b>Bayer Crop Science</b> 800 N. Lindbergh Blvd. St. Louis, MO 63167	DEKALB DKC 62-70 DEKALB DKC 64-22 DEKALB DKC 65-99 DEKALB DKC 66-06 DEKALB DKC 67-44 DEKALB DKC 67-94 DEKALB DKC 68-35 DEKALB DKC 69-99 DEKALB DKC 70-45
<b>Farmers Business Network</b> 3818 Juniper Place Unit B Columbia, MO 65201	Master Farmer MBE172-3110 Master Farmer MRZ-C152-5122- EZ1
<b>Innictis Seed Solutions</b> 1880 Fall River Drive Loveland, CO 80538	Innictis A1551VT2P Innictis A1689T Innictis MEX1791VT2P
<b>LG Seeds Inc.</b> 1122 E. 169th Street Westfield, IN 46074	LG66C06VT2Pro LG66C44VT2Pro LG67C07VT2Pro LG69C03VT2Pro

Continued



## Participants and Entries 2022 Corn Tests, Continued

### Company

### Hybrids

#### **Local Seed Co.**

802 Rozelle St.  
Memphis, TN 38104

Revere 1307 TC  
Revere 1577 VT2P  
Revere 1627 TC  
Revere 1707 VT2P  
Revere 1898 TC  
Revere 1919 VT2P  
Revere ZS1525 3220A

---

#### **Mayberry Seed Co.**

22985 State Hwy. D  
Essex, MO 63846

Axis 63M73RIB  
Axis 64E72RIB  
Axis 65T29RIB  
Axis 65W75RIB  
Axis 68P28RIB

---

#### **Nutrien Ag Solutions**

3005 Rocky Mountain Ave.  
Loveland, CO 80538

Dyna-Gro D52VC63  
Dyna-Gro D54VC14  
Dyna-Gro D55VC80  
Dyna-Gro D57VC51  
Dyna-Gro D57VC53  
Dyna-Gro D58VC65

---

#### **Pioneer Hi-Bred International**

7300 NW 62nd Ave.  
Johnston, IA 50131

Pioneer P1170YHR  
Pioneer P1222YHR  
Pioneer P1289YHR  
Pioneer P1511YHR  
Pioneer P1608YHR  
Pioneer P1718VYHR

---

#### **Progeny Ag Products**

1529 Highway 193  
Wynne, AR 72396

Progeny PGY 2015VT2P  
Progeny PGY 2118VT2P  
Progeny PGY 2215TRE  
Progeny PGY 8116SS  
Progeny PGY 9114VT2P  
Progeny PGY 9117VT2P

*Continued*

**Participants and Entries  
2022 Corn Tests, Continued**

**Company**

**Hybrids**

**Syngenta Crop Protection**

3411 Silverside Rd, Suite. 100

Shipleigh Bldg.

Wilmington, DE 19810

NK1082-5222A

NK1349-3220

NK1460-5222

NK1523-3220

NK1677-3110

NK1701-3220

NK1838-3110

---

**WinField United Seed**

2146 Hwy 31 N

Beebe, AR 72012

CP20117C/VT2P

CP5497

CP5550

CP5678

## Corn Trait Package Information

Abbreviations Used:		WBC	Western Bean Cutworm
BCW	Black Cutworm		
CEW	Corn Earworm	GT	Glyphosate Tolerant
ECB	European Corn Borer	LL	Liberty Link
FAW	Fall Armyworm	RR2	Roundup Ready 2 Yield
RW	Corn Rootworm		
SB	Stalk Borer	RIB	Refuge in Bag
SWCB	Southern Corn Borer		
TAW	True Armyworm		

Insects **Controlled** or *Suppressed*

Trait Family	Product	(Above Ground)	(In Soil)	Herbicide Tolerance
<b>Agrisure</b>	Agrisure 3010, 3010A	<b>ECB SWCB CEW FAW SB</b>	—	GT LL
	Agrisure 3000GT, 3011A	<b>ECB SWCB CEW FAW SB</b>	<b>RW</b>	GT LL
	Agrisure Viptera 3110	<b>BCW CEW ECB FAW SB SWCB TAW WBC</b>	—	GT LL
	Agrisure Viptera 3111	<b>BCW CEW ECB FAW SB SWCB TAW WBC</b>	<b>RW</b>	GT LL
	Agrisure 3122 E-Z Refuge	<b>BCW ECB FAW SB SWCB TAW WBC CEW</b>	<b>RW</b>	GT
	Agrisure Viptera 3220 E-Z Refuge	<b>BCW CEW ECB FAW SB SWCB TAW WBC</b>	—	GT
	Agrisure Duracade 5122 E-Z Refuge	<b>BCW ECB FAW SB SWCB TAW WBC CEW</b>	<b>RW</b>	GT
	Agrisure Duracade 5222 E-Z Refuge	<b>BCW CEW ECB FAW SB SWCB TAW WBC</b>	<b>RW</b>	GT
<b>Herculex</b>	Herculex 1 (HX1)	<b>BCW ECB FAW SB SWCB WBC CEW</b>	—	LL RR2
	Herculex RW (HXRW)	—	<b>RW</b>	LL RR2
	Herculex XTRA (HXX)	<b>BCW ECB FAW SB SWCB WBC CEW</b>	<b>RW</b>	LL RR2
<b>Optimum</b>	Intrasect (YHR)	<b>BCW ECB FAW SB SWCB WBC CEW</b>	—	LL RR2
	AcreMax (AM)	<b>BCW ECB FAW SB SWCB WBC CEW</b>	—	LL RR2
	Leptra (VYHR)	<b>BCW CEW ECB FAW SB SWCB TAW WBC</b>	—	LL RR2
	AcreMax Leptra (AML)	<b>BCW CEW ECB FAW SB SWCB TAW WBC</b>	—	LL RR2
	AcreMax RW (AMRW)	—	<b>RW</b>	LL RR2

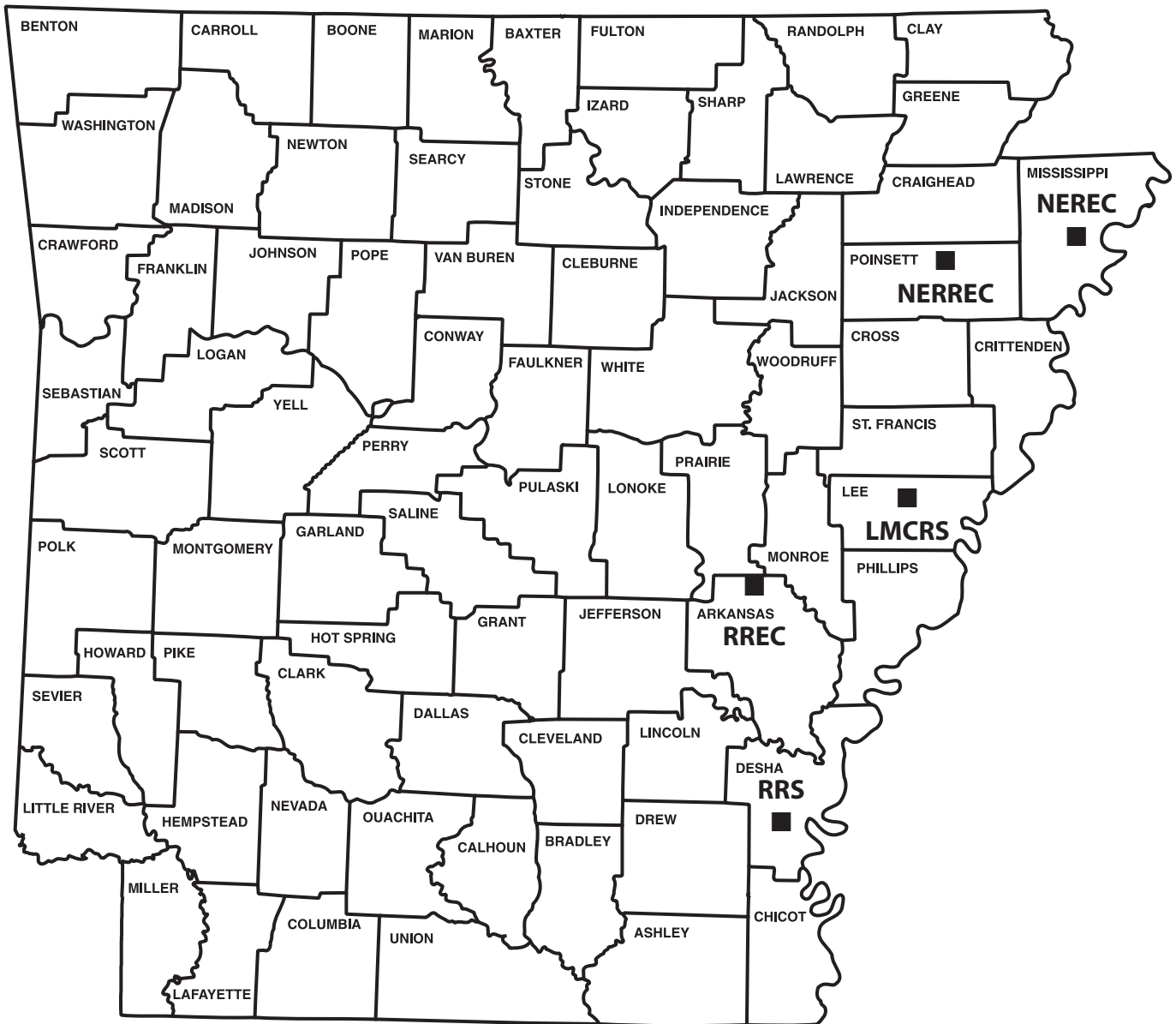
Continued

## Corn Trait Package Information, Continued

Insects **Controlled** or *Suppressed*

Trait Family	Product	Insects <b>Controlled</b> or <i>Suppressed</i>		Herbicide Tolerance
		(Above Ground)	(In Soil)	
<b>Optimum, cont.</b>	AcreMax1 (AM1)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
	TRIssect (CHR)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
	Intrasect TRIssect (CYHR)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
	AcreMax TRIssect (AMT)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
	Intrasect Xtra (YXR)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
	AcreMax Xtra (AMX)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
	Intrasect Xtreme (CYXR)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
	AcreMax Xtreme (AMXT)	<b>BCW ECB FAW SB SWCB WBC</b> <i>CEW</i>	<b>RW</b>	LL RR2
<b>YieldGard/ Genuity</b>	YieldGard CB (YGCB)	<b>ECB SWCB</b> <i>CEW FAW SB</i>	—	RR2
	YieldGard VT Rootworm	—	<b>RW</b>	RR2
	YieldGard VT Triple	<b>ECB SWCB</b> <i>CEW FAW SB</i>	<b>RW</b>	RR2
	Genuity VT Double PRO	<b>CEW ECB FAW SB SWCB</b>	—	RR2
	Genuity VT Double PRO RIB Complete	<b>CEW ECB FAW SB SWCB</b>	—	RR2
	Genuity VT Triple PRO	<b>CEW ECB FAW SB SWCB</b>	<b>RW</b>	RR2
	Genuity VT Triple PRO RIB Complete	<b>CEW ECB FAW SB SWCB</b>	<b>RW</b>	RR2
	Genuity VT SmartStax	<b>BCW CEW ECB FAW SB SWCB</b> <b>WBC</b>	<b>RW</b>	LL RR2
Genuity VT SmartStax RIB Complete	<b>BCW CEW ECB FAW SB SWCB</b> <b>WBC</b>	<b>RW</b>	LL RR2	
<b>Other Trait Families</b>	Powercore	<b>BCW CEW ECB FAW SB SWCB</b> <b>WBC</b>	—	LL RR2
	Powercore Refuge Advanced	<b>BCW CEW ECB FAW SB SWCB</b> <b>WBC</b>	—	LL RR2
	SmartStax	<b>BCW CEW ECB FAW SB SWCB</b> <b>WBC</b>	<b>RW</b>	LL RR2
	SmartStax Refuge Advanced	<b>BCW CEW ECB FAW SB SWCB</b> <b>WBC</b>	<b>RW</b>	LL RR2

# GRAIN SORGHUM AND CORN TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna, Arkansas
- NEREC** - Northeast Research and Extension Center, Keiser, Arkansas
- NERREC** - Northeast Rice Research and Extension Center, Harrisburg, Arkansas
- RREC** - Rice Research and Extension Center, Stuttgart, Arkansas
- RRS** - Rohwer Research Station, Rohwer, Arkansas

**UofA**  
**DIVISION OF AGRICULTURE**  
**RESEARCH & EXTENSION**  
*University of Arkansas System*

