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Arkansas Corn and Grain Sorghum Performance Tests 2013

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Arkansas Corn and Grain Sorghum Performance Tests

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R.D. Bond • D.G. Dombek • J.A. Still • R.M. Pryor

UofA

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ARKANSAS CORN AND GRAIN SORGHUM PERFORMANCE TESTS¹ 2013

R.D. Bond², D.G. Dombek³, and J.A. Still⁴, and R.M. Pryor⁵

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 2013 corn performance tests contained 101 entries and were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Lon Mann Cotton Research Station (LM-CRS) near Marianna, the Bell Farming Company near Des Arc, the Rohwer Research Station (RRS) near Rohwer, and the Rice Research and Extension Center (RREC) near Stuttgart. The 2013 grain sorghum performance tests contained 25 entries and were conducted at the NEREC, the LMCRS, the RRS, and the RREC. Test location maps for grain sorghum and corn can be found on page 32 and inside the back cover, respectively.

MATERIALS AND METHODS

Corn hybrids were divided into two maturity groups. Based on information provided by the originating companies, entries were placed into a 116 or fewer days-to-maturity group (Early- to Mid-Season) or 117+ group (Mid- to Full-Season).

Within each test, entries were arranged as a randomized complete block design with four replications. Plots were two rows wide and 20-25 feet long depending on location. Seeding rates for each corn and grain sorghum hybrid were based on the recommendations of the originating company. All plots were harvested with a plot combine. Specific location and management practice information accompany each table.

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./A) 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 base of panicle.

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 in shape. Rachis branches intermediate in strength and length.

5 = Head open and elongated. Rachis branches weak.

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

¹Use 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.

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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./A) at 15.5% moisture.

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

Root Lodging: Average number of plants leaning more than 40 degrees from vertical at harvest.

Stalk 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 upper ear.

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 cotton, rice, small grains and soybean can be found at **ArkansasVarietyTesting.com**. Disease ratings that do not appear in this or other reports may also be found on this Website.

Table 1. Yields of Grain Sorghum Hybrids in Arkansas Performance Tests, 2013¹.

Hybrid Name	Keiser		Marianna	Stuttgart	Rohwer	Rohwer		Average
	Keiser Irrigated	Non- Irrigated				Non- Irrigated		
bu./A.....							
BH 3822	145.7	125.1	135.3	163.0	141.0	137.1	141.2	
BH 5566	126.4	113.2	132.9	121.6	134.7	129.5	126.4	
DEKALB DKS51-01	159.7	111.8	151.4	156.9	140.0	138.4	143.0	
DEKALB DKS53-67	146.7	115.9	148.1	162.9	145.3	148.3	144.5	
Dyna-Gro 765B	146.5	113.3	134.4	172.6	145.2	129.1	140.2	
Dyna-Gro GX13661	123.0	97.3	141.3	156.0	133.4	112.6	127.2	
Dyna-Gro M75GB39	119.6	115.5	128.1	112.7	115.5	119.5	118.5	
Dyna-Gro M77GB52	119.7	103.8	141.4	143.5	110.3	120.5	123.2	
Gayland Ward GW 9480	129.8	107.1	143.2	136.1	120.4	111.3	124.6	
Golden Acres 5556	122.3	109.7	128.1	104.5	117.6	126.0	118.0	
Golden Acres 5613	126.9	109.3	143.8	137.9	122.7	128.3	128.2	
Pioneer 83P17	158.9	101.4	142.1	165.3	123.6	123.6	135.8	
Pioneer 83P99	141.6	133.3	149.7	176.7	149.4	154.4	150.9	
Pioneer 84G62	140.9	120.4	152.7	152.6	140.1	144.4	141.9	
Pioneer 84P80	141.2	126.0	151.0	170.4	142.1	140.1	145.1	
REV®RV9562™	115.4	106.1	134.1	148.2	114.5	108.2	121.1	
REV®RV9782™	132.3	113.3	141.7	127.4	141.6	140.7	132.8	
REV®RV9794™	141.2	121.6	142.9	161.8	139.4	124.2	138.5	
REV®RV9803™	125.8	98.8	133.9	140.9	122.6	131.9	125.6	
REV®RV9823™	135.5	96.6	132.2	136.5	131.0	129.2	126.8	
REV®RV9883™	125.2	115.8	142.2	148.0	136.9	123.7	132.0	
REV®RV9924™	131.7	116.3	143.7	156.3	122.2	121.4	131.9	
REV®RV9973™	132.5	120.8	144.9	149.2	128.6	132.4	134.7	
Triumph TR481	133.0	107.3	121.1	137.9	133.0	127.5	126.6	
Triumph TRX15401	146.8	127.1	154.7	179.2	111.2	120.9	140.0	
GRAND MEAN	134.7	113.1	140.6	148.7	130.5	128.9	132.7	
LSD (5%)	12.4	16.1	10.4	11.7	12.9	9.0	•	
C.V.	7.8	10.4	6.3	6.7	8.4	5.9	•	

¹Keiser = Northeast Research and Extension Center.

Marianna = Lon Mann Cotton Research Station.

Stuttgart = Rice Research and Extension Center.

Rohwer = Rohwer Research Station.

Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2013.

Hybrid Name	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches	Head Comp. Rating	Bird Damage %
DEKALB DKS51-01	159.7	•	•	13.8	53	7	2	28.8
Pioneer 83P17	158.9	158.2	150.1	11.7	55	8	2	26.3
Triumph TRX15401	146.8	•	•	13.5	58	8	1	20.0
DEKALB DKS53-67	146.7	150.2	147.8	14.5	52	8	2	28.8
Dyna-Gro 765B	146.5	156.0	•	13.1	56	7	2	23.8
BH 3822	145.7	•	•	15.1	51	6	4	22.5
Pioneer 83P99	141.6	152.6	•	14.3	49	3	2	25.0
Pioneer 84P80	141.2	153.6	150.9	15.6	49	3	3	22.5
REV®RV9794™	141.2	•	•	14.1	54	6	3	20.0
Pioneer 84G62	140.9	148.2	143.9	15.9	46	5	2	21.3
REV®RV9823™	135.5	139.1	•	13.0	52	6	2	22.5
Triumph TR481	133.0	•	•	14.1	56	9	4	10.0
REV®RV9973™	132.5	144.5	•	14.1	51	4	3	15.0
REV®RV9782™	132.3	142.9	•	15.6	45	5	1	31.3
REV®RV9924™	131.7	•	•	15.0	57	8	1	25.0
Gayland Ward GW 9480	129.8	•	•	15.2	57	8	2	37.5
Golden Acres 5613	126.9	•	•	16.0	52	9	4	42.5
BH 5566	126.4	140.3	132.8	16.1	50	8	3	31.3
REV®RV9803™	125.8	129.4	•	14.8	50	9	2	28.8
REV®RV9883™	125.2	139.2	•	15.7	52	4	4	25.0
Dyna-Gro GX13661	123.0	•	•	15.3	54	1	5	30.0
Golden Acres 5556	122.3	•	•	15.2	44	9	2	22.5
Dyna-Gro M77GB52	119.7	•	•	15.8	52	5	3	28.8
Dyna-Gro M75GB39	119.6	•	•	13.9	45	5	2	28.8
REV®RV9562™	115.4	•	•	15.2	48	8	2	42.5
GRAND MEAN	134.7	•	•	14.6	52	6	3	26.4
LSD (5%)	12.4	•	•	1.9	•	•	•	6.2
C.V.	7.8	•	•	10.8	•	•	•	20.0

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.

Soil Series Sharkey clay
Soil pH 6.8
Previous Crop Soybean
Row Width 38"
Planting Date May 16
Irrigation Dates July 8
Sidedress Fertilizer 100 lb/A N, June 5; 50lb/A N, June 13
Herbicide Application(s) Atrazine + Charger Basic, May 16; Buctril + Atrazine, June 21
Harvest Date September 23

Precipitation (inches)

	April	May	June	July	August	Total
2013	7.8	7.8	4.8	4.0	4.7	29.1
Average	4.8	5.4	4.0	4.0	2.4	20.5
Departure	+3.1	+2.4	+0.9	0.0	+2.4	+8.6

Table 3. Performance of Non-Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2013.

Hybrid Name	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches	Head Comp. Rating	Bird Damage %
Pioneer 83P99	133.3	139.5	•	15.2	42	1	1	20.0
Triumph TRX15401	127.1	•	•	16.0	53	5	1	21.7
Pioneer 84P80	126.0	139.2	138.5	15.0	38	1	2	23.3
BH 3822	125.1	•	•	15.0	39	4	3	26.7
REV®RV9794™	121.6	•	•	13.8	47	8	2	18.3
REV®RV9973™	120.8	119.3	•	11.2	48	8	4	13.3
Pioneer 84G62	120.4	130.9	129.2	14.8	44	1	3	25.0
REV®RV9924™	116.3	•	•	12.6	46	3	2	23.3
DEKALB DKS53-67	115.9	131.3	137.1	15.9	42	3	2	26.7
REV®RV9883™	115.8	117.5	•	11.3	44	2	2	30.0
Dyna-Gro M75GB39	115.5	•	•	15.5	39	4	2	25.0
Dyna-Gro 765B	113.3	123.8	•	14.5	49	5	2	31.7
REV®RV9782™	113.3	124.7	•	12.6	44	2	2	33.3
BH 5566	113.2	125.4	122.7	14.5	44	5	3	35.0
DEKALB DKS51-01	111.8	•	•	14.2	38	7	2	26.7
Golden Acres 5556	109.7	•	•	13.8	41	6	2	31.7
Golden Acres 5613	109.3	•	•	11.3	43	5	4	43.3
Triumph TR481	107.3	•	•	13.7	46	11	2	18.3
Gayland Ward GW 9480	107.1	•	•	12.8	45	1	3	33.3
REV®RV9562™	106.1	•	•	11.1	44	5	2	36.7
Dyna-Gro M77GB52	103.8	•	•	11.7	40	2	4	33.3
Pioneer 83P17	101.4	111.7	115.1	14.1	45	4	3	21.7
REV®RV9803™	98.8	110.8	•	10.5	44	3	3	23.3
Dyna-Gro GX13661	97.3	•	•	11.4	44	8	2	30.0
REV®RV9823™	96.6	111.4	•	10.7	46	6	2	18.3
GRAND MEAN	113.1	•	•	13.3	44	4	2	26.8
LSD (5%)	16.1	•	•	3.9	•	•	•	7.4
C.V.	10.4	•	•	21.2	•	•	•	20.2

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.

Soil Series Sharkey clay
Soil pH 6.8
Previous Crop Soybean
Row Width 38"
Planting Date May 16
Sidedress Fertilizer 100 lb/A N, June 5; 50lb/A N, June 13
Herbicide Application(s) Atrazine + Charger Basic, May 16; Buctril + Atrazine, June 21
Harvest Date September 18

Precipitation (inches)

	April	May	June	July	August	Total
2013	7.8	7.8	4.8	4.0	4.7	29.1
Average	4.8	5.4	4.0	4.0	2.4	20.5
Departure	+3.1	+2.4	+0.9	0.0	+2.4	+8.6

Table 4. Performance of Irrigated Grain Sorghum Hybrids, Marianna, Ark., 2013.

Hybrid Name	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %
Triumph TRX15401	154.7	•	•	13.9
Pioneer 84G62	152.7	142.2	140.3	13.1
DEKALB DKS51-01	151.4	•	•	13.1
Pioneer 84P80	151.0	144.9	•	13.3
Pioneer 83P99	149.7	•	•	13.6
DEKALB DKS53-67	148.1	130.5	136.0	14.4
REV®RV9973™	144.9	•	•	13.4
Golden Acres 5613	143.8	•	•	13.0
REV®RV9924™	143.7	•	•	13.3
Gayland Ward GW 9480	143.2	•	•	13.7
REV®RV9794™	142.9	•	•	12.6
REV®RV9883™	142.2	•	•	13.2
Pioneer 83P17	142.1	129.6	129.0	17.0
REV®RV9782™	141.7	•	•	12.9
Dyna-Gro M77GB52	141.4	•	•	12.9
Dyna-Gro GX13661	141.3	•	•	12.1
BH 3822	135.3	•	•	14.4
Dyna-Gro 765B	134.4	•	•	13.5
REV®RV9562™	134.1	•	•	13.3
REV®RV9803™	133.9	•	•	13.6
BH 5566	132.9	127.3	•	12.7
REV®RV9823™	132.2	•	•	13.4
Golden Acres 5556	128.1	•	•	12.2
Dyna-Gro M75GB39	128.1	•	•	13.1
Triumph TR481	121.1	•	•	14.9
GRAND MEAN	140.6	•	•	13.5
LSD (5%)	10.4	•	•	1.2
C.V.	6.3	•	•	7.4

¹ Average yield for 2011 and 2013.² Average yield for 2010, 2011, and 2013.

Soil Series	Calloway silt loam
Soil pH	7.5
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Roundup + Firstshot + Dicamba, March 8
Preplant Fertilizer	0-40-70, March 26; 80-30-0, March 27
Planting Date	April 26
Irrigation Dates	June 21, June 28, July 4, August 1, August 9, August 21
Sidedress Fertilizer	23 gal/A 32%N, May 21
Herbicide Application(s)	Dual II Magnum, April 26; Dual II Magnum + Atrazine, June 4
Insecticide Application(s)	Mustang Max, July 2, July 10, July 18, July 25
Harvest Date	September 4

Precipitation (inches)

	April	May	June	July	August	Total
2013	5.6	7.4	0.7	2.8	1.9	18.4
Average	5.0	5.1	3.9	3.8	2.6	20.4
Departure	+0.6	+2.3	-3.2	-1.0	-0.7	-2.0

Table 5. Performance of Irrigated Grain Sorghum Hybrids, Stuttgart, Ark., 2013.

Hybrid Name	Yield bu./A	2-Year ¹	3-Year ²	Grain	Plant	Head	Head	Bird
		Avg. bu./A	Avg. bu./A	Moisture %	Height Inches	Exertion Inches	Comp. Rating	Damage %
Triumph TRX15401	179.2	•	•	13.9	66	7	1	20.0
Pioneer 83P99	176.7	174.1	•	14.0	64	9	1	16.3
Dyna-Gro 765B	172.6	169.4	•	14.5	72	9	2	26.3
Pioneer 84P80	170.4	170.0	160.4	13.7	64	9	4	27.5
Pioneer 83P17	165.3	161.0	162.5	14.1	68	12	3	23.8
BH 3822	163.0	•	•	13.5	62	11	3	26.3
DEKALB DKS53-67	162.9	156.5	158.4	13.8	61	9	1	21.3
REV®RV9794™	161.8	•	•	13.1	65	14	2	18.8
DEKALB DKS51-01	156.9	•	•	14.0	67	12	4	28.8
REV®RV9924™	156.3	•	•	13.0	65	11	2	27.5
Dyna-Gro GX13661	156.0	•	•	13.2	68	13	1	30.0
Pioneer 84G62	152.6	151.7	145.6	13.1	62	7	3	28.8
REV®RV9973™	149.2	142.5	•	13.9	60	9	3	21.3
REV®RV9562™	148.2	•	•	12.8	62	12	2	26.3
REV®RV9883™	148.0	147.7	•	13.5	66	11	3	31.3
Dyna-Gro M77GB52	143.5	•	•	13.4	63	13	4	31.3
REV®RV9803™	140.9	141.4	•	13.2	63	15	4	22.5
Golden Acres 5613	137.9	•	•	13.0	67	11	5	33.8
Triumph TR481	137.9	•	•	14.8	67	14	3	23.8
REV®RV9823™	136.5	139.1	•	13.2	64	15	1	21.3
Gayland Ward GW 9480	136.1	•	•	14.3	64	10	4	30.0
REV®RV9782™	127.4	138.9	•	13.2	58	9	2	32.5
BH 5566	121.6	137.0	143.4	13.9	62	13	2	33.8
Dyna-Gro M75GB39	112.7	•	•	14.4	63	11	3	30.0
Golden Acres 5556	104.5	•	•	15.4	60	10	1	42.5
GRAND MEAN	148.7	•	•	13.7	64	11	3	27.0
LSD (5%)	11.7	•	•	0.9	•	•	•	7.2
C.V.	6.7	•	•	5.8	•	•	•	22.6

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.

Soil Series	Crowley silt loam
Soil pH	5.4
Previous Crop	Soybean
Row Width	30"
Preplant Fertilizer	80 lb/A N, 90 lb/A P, 90 lb/A K, 15 lb/A S, 10 lb/A Zn, April 9
Planting Date	April 30
Irrigation Dates	June 13, June 26, July 9, July 17, July 29, August 12
Sidedress Fertilizer	92 lb/A N, June 1; 92 lb/A N, June 11
Herbicide Application(s)	Bicep II Magnum, May 1
Insecticide Application(s)	Intrepid + Mustang Max, July 11; Mustang Max, July 20
Harvest Date	September 4

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2013	6.7	4.3	1.5	0.8	1.5	0.3	15.0
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	+0.7	-1.9	-2.2	-2.3	-1.6	-2.7	-10.0

Table 6. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2013.

Hybrid Name	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches
Pioneer 83P99	149.4	147.0	•	14.4	62	2
DEKALB DKS53-67	145.3	147.8	148.0	14.1	54	2
Dyna-Gro 765B	145.2	148.8	•	14.5	62	4
Pioneer 84P80	142.1	147.2	147.8	14.0	59	4
REV®RV9782™	141.6	139.6	•	13.8	59	4
BH 3822	141.0	•	•	13.7	53	4
Pioneer 84G62	140.1	140.0	143.4	13.9	56	4
DEKALB DKS51-01	140.0	•	•	14.3	60	4
REV®RV9794™	139.4	•	•	13.7	61	6
REV®RV9883™	136.9	136.7	•	14.1	60	2
BH 5566	134.7	136.9	137.5	14.0	55	4
Dyna-Gro GX13661	133.4	•	•	13.7	59	4
Triumph TR481	133.0	•	•	15.0	61	5
REV®RV9823™	131.0	134.3	•	14.1	60	5
REV®RV9973™	128.6	131.8	•	14.2	57	3
Pioneer 83P17	123.6	136.0	139.5	14.7	61	3
Golden Acres 5613	122.7	•	•	13.4	58	4
REV®RV9803™	122.6	129.4	•	13.4	55	4
REV®RV9924™	122.2	•	•	13.8	61	3
Gayland Ward GW 9480	120.4	•	•	14.4	61	5
Golden Acres 5556	117.6	•	•	13.9	56	5
Dyna-Gro M75GB39	115.5	•	•	14.0	52	3
REV®RV9562™	114.5	•	•	14.4	55	3
Triumph TRX15401	111.2	•	•	14.6	62	4
Dyna-Gro M77GB52	110.3	•	•	13.7	59	5
GRAND MEAN	130.5	•	•	14.0	58	4
LSD (5%)	12.9	•	•	0.4	•	•
C.V.	8.4	•	•	2.3	•	•

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.

Soil Series	Hebert silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	38"
Preplant Fertilizer	36 lb/A N, 80 lb/A P, 120 lb/A K, 10lb/A Zn, March 21
Planting Date	April 23
Irrigation Dates	June 18, June 27, July 9, July 15
Sidedress Fertilizer	46 lb/A N, May 29; 75 lb/A N + 24 lb/A S, May 29; 46 lb/A N, June 11
Herbicide Application(s)	Dual II Magnum, April 26; Atrazine, May 24
Insecticide Application(s)	Karate, July 10, July 18, July 25
Harvest Date	September 6

Precipitation (inches)

	April	May	June	July	August	Total
2013	6.1	5.7	2.1	1.9	1.6	17.4
Average	4.8	5.1	3.8	3.7	2.5	19.8
Departure	+1.3	+0.6	-1.7	-1.7	-0.9	-2.4

Table 7. Performance of Non-Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2013.

Hybrid Name	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches
Pioneer 83P99	154.4	139.6	•	15.3	51	1
DEKALB DKS53-67	148.3	135.2	137.6	14.9	49	1
Pioneer 84G62	144.4	132.8	130.1	14.5	50	1
REV®RV9782™	140.7	133.9	•	14.7	47	1
Pioneer 84P80	140.1	137.2	136.6	14.8	52	1
DEKALB DKS51-01	138.4	•	•	15.0	52	2
BH 3822	137.1	•	•	14.7	45	1
REV®RV9973™	132.4	121.2	•	15.3	50	1
REV®RV9803™	131.9	124.4	•	14.7	49	2
BH 5566	129.5	121.1	121.6	14.7	49	3
REV®RV9823™	129.2	129.4	•	15.1	52	3
Dyna-Gro 765B	129.1	129.6	•	15.3	56	4
Golden Acres 5613	128.3	•	•	14.6	51	3
Triumph TR481	127.5	•	•	14.9	51	3
Golden Acres 5556	126.0	•	•	15.1	45	4
REV®RV9794™	124.2	•	•	14.7	51	2
REV®RV9883™	123.7	126.0	•	15.1	55	2
Pioneer 83P17	123.6	122.0	122.9	16.0	46	1
REV®RV9924™	121.4	•	•	14.6	53	2
Triumph TRX15401	120.9	•	•	15.1	49	2
Dyna-Gro M77GB52	120.5	•	•	15.1	49	3
Dyna-Gro M75GB39	119.5	•	•	15.1	42	3
Dyna-Gro GX13661	112.6	•	•	14.8	47	3
Gayland Ward GW 9480	111.3	•	•	15.5	51	2
REV®RV9562™	108.2	•	•	15.3	51	2
GRAND MEAN	128.9	•	•	15.0	50	2
LSD (5%)	9.0	•	•	0.4	•	•
C.V.	5.9	•	•	2.5	•	•

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.

Soil Series	Hebert silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	38"
Preplant Fertilizer	36 lb/A N, 80 lb/A P, 120 lb/A K, 10lb/A Zn, March 21
Planting Date	April 23
Sidedress Fertilizer	46 lb/A N, May 29; 75 lb/A N + 24 lb/A S, May 29; 46 lb/A N, June 11
Herbicide Application(s)	Dual II Magnum, April 26; Atrazine, May 24
Insecticide Application(s)	Karate, July 10, July 18, July 25
Harvest Date	September 6

Precipitation (inches)

	April	May	June	July	August	Total
2013	6.1	5.7	2.1	1.9	1.6	17.4
Average	4.8	5.1	3.8	3.7	2.5	19.8
Departure	+1.3	+0.6	-1.7	-1.7	-0.9	-2.4

Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2013^{1,2}.

Hybrid Name	Keiser	Stuttgart	Rohwer	Bell Farm	Average
bu./A.....				
<u>Early- to Mid-Season Hybrids</u>					
AgriGold A6499VT3PRO	197.6	232.3	256.5	253.6	235.0
AgriGold A6501VT3PRO	214.4	223.9	245.1	252.9	234.1
AgriGold A6517VT3PRIB	212.4	238.3	243.5	249.5	235.9
AgriGold A6533VT2RIB	190.6	205.1	238.0	222.7	214.1
AgriGold A6559VT2PRO	220.9	241.5	245.7	257.5	241.4
AgriGold A6573VT3PRIB	202.0	227.1	262.1	246.6	234.4
AgriGold A6659VT3PRO	218.0	248.7	267.8	243.6	244.5
AgriGold A6679VT2RIB	206.4	230.3	233.7	242.9	228.3
ARMOR 0700PRO2	193.4	219.6	237.7	231.5	220.5
ARMOR 1133PRO2	220.1	230.3	250.7	243.4	236.1
ARMOR 1262PRO2	208.3	228.1	243.6	264.9	236.2
ARMOR 1550PRO2	215.3	246.8	245.5	255.3	240.7
ARMOR 1555SS	234.6	219.9	245.1	245.7	236.3
Augusta 5262 GT3000	212.1	224.7	243.6	218.9	224.8
Augusta 5465 GTCBLL	206.4	209.6	256.3	231.0	225.8
Augusta 5565 VT3PRO	249.9	254.8	256.1	253.1	253.5
Augusta 5658 GTCBLL	214.1	229.0	239.6	232.6	228.8
Augusta 6665 VT3PRO	223.0	238.7	251.9	240.8	238.6
Augusta 6866 GT3000	231.1	233.9	254.7	266.2	246.5
BH 8550VT2P	210.5	244.2	246.7	267.7	242.3
BH 8630VTTP	215.8	211.6	240.8	247.5	228.9
BH 8660VTTP	231.0	227.1	262.9	249.2	242.5
BH 8700SS	217.8	242.2	249.5	252.3	240.4
BH 8845VTTP	214.9	211.8	220.0	231.2	219.5
Croplan 6640VT3P	221.6	262.3	268.9	265.2	254.5
Croplan 6960VT3P	223.8	233.2	259.3	269.7	246.5
DEKALB DKC61-88 GENVT3P	221.0	240.8	243.3	248.7	238.4
DEKALB DKC62-08 GENSS	227.2	247.8	235.6	241.7	238.1
DEKALB DKC63-87 GENVT2P	202.8	227.7	261.8	241.9	233.5
DEKALB DKC64-69 GENVT3P	234.7	232.3	279.7	242.8	247.4
DEKALB DKC66-87 GENVT2P	220.3	261.5	265.1	265.2	253.0
DEKALB DKC66-97 GENVT2P	238.5	232.4	268.0	237.0	244.0
Delta Grow 1660VIP3111	209.3	215.7	237.4	215.3	219.4
Delta Grow 2788	213.7	222.0	250.4	246.0	233.0
Delta Grow 2888	207.6	213.5	235.3	237.6	223.5
Delta Grow 3660	206.5	223.7	278.7	254.1	240.7
Delta Grow 3788	201.8	214.8	232.2	224.5	218.3
Delta Grow 6160VIPGTCBLL	209.6	223.1	259.2	258.6	237.6

Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2013^{1,2}, continued.

Hybrid Name	Keiser	Stuttgart	Rohwer	Bell Farm	Average
bu./A.....				
<u>Early- to Mid-Season Hybrids Continued</u>					
Dyna-Gro D52VC91	224.3	235.6	247.8	235.6	235.8
Dyna-Gro D53VC13	177.6	223.0	235.3	239.3	218.8
Dyna-Gro D54VP81	237.1	244.5	255.0	252.7	247.3
Dyna-Gro D55VP77	220.9	246.7	255.2	251.8	243.6
Dyna-Gro D56VC46	222.5	249.6	260.8	243.0	244.0
Golden Acres 26V21	195.6	238.8	236.8	238.9	227.5
Golden Acres G4598	220.6	246.2	254.9	258.4	245.0
Golden Acres G5531	213.8	234.6	248.9	233.4	232.7
Golden Acres G6611	222.7	257.7	243.6	251.9	244.0
LG2636VT3PRIB	200.3	242.6	254.6	257.1	238.7
LG5607VT3PRO	236.1	231.8	236.6	245.8	237.6
LG5618STX	196.5	232.4	247.8	249.3	231.5
MFA MorCorn MC4344VT2PRIB	217.2	252.3	249.0	246.3	241.2
MFA MorCorn MC4354VT3P	200.4	220.7	269.8	248.2	234.8
MFA MorCorn XP504VT3P	203.2	228.0	260.0	232.6	230.9
MFA MorCorn XP505VT3P	210.2	236.3	248.2	233.2	231.9
Mycogen 2C786	224.6	236.2	263.6	239.1	240.8
Mycogen 2J794	211.1	223.7	255.2	224.2	228.5
Mycogen 2V707	197.3	229.5	265.3	232.4	231.1
Mycogen 2V714	191.3	230.9	247.9	215.2	221.3
Mycogen 2V777	211.7	217.2	268.6	227.2	231.2
Mycogen 2Y765	193.6	213.9	246.8	226.5	220.2
Mycogen 2Y816	209.7	246.7	255.4	225.3	234.3
Mycogen MYX13824	214.6	226.9	261.1	244.5	236.8
NK N68B-3111 Brand	201.9	216.7	244.6	230.1	223.3
NK N72Q-3111 Brand	224.5	234.9	259.3	236.4	238.8
NK N78S-3111 Brand	233.7	246.3	252.3	246.7	244.7
NK N79T-3111 Brand	182.0	236.1	257.3	273.0	237.1
Pioneer P1319HR	221.0	254.6	254.6	270.1	250.0
Pioneer P1685YHR	199.4	262.8	265.9	260.7	247.2
REV [®] 17HR73 [™]	196.8	218.9	236.9	243.3	224.0
REV [®] 18BHR84 [™]	200.4	234.8	247.7	256.2	234.8
REV [®] 22BHR21 [™]	221.0	229.2	237.0	255.3	235.6
REV [®] 22BHR43 [™]	223.2	228.3	229.2	243.7	231.1
REV [®] 22BHR54 [™]	184.0	225.0	223.4	238.6	217.7
REV [®] 24BHR93 [™]	193.7	274.6	268.0	281.2	254.4
REV [®] 25BHR44 [™]	198.8	246.7	254.5	256.0	239.0
REV [®] 26BHR50 [™]	186.9	257.8	251.0	264.6	240.1
REV [®] 26R60 [™]	217.3	252.8	237.0	296.3	250.8
Triumph 1366S	191.2	208.2	238.7	216.0	213.5
GRAND MEAN	211.9	233.9	250.5	245.7	235.5
LSD (5%)	21.9	22.9	20.4	18.7	•
C.V.	8.8	7.3	7.0	6.5	•

Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2013^{1,2}, continued.

Hybrid Name	Keiser	Stuttgart	Rohwer	Bell Farm	Average
bu./A.....				
<u>Mid- to Full-Season</u>					
AgriGold A6687VT2PRO	200.3	257.8	254.3	257.2	242.4
ARMOR 1880PRO2	237.5	246.6	245.7	243.0	243.2
Augusta 7767 VT2PRO	241.9	228.1	283.8	244.5	249.6
Augusta 7768 GT	234.8	254.7	275.9	263.0	257.1
BH 8732VTTP	227.6	259.9	269.5	268.3	256.3
BH 8735VTTP	234.4	224.2	268.6	271.6	249.7
BH 8830VTTP	227.4	239.7	245.7	230.2	235.7
BH 8900GT3	232.7	228.1	277.4	257.9	249.0
BH 8928VTTP	234.4	243.5	252.0	257.2	246.7
Croplan 8621VT2P	240.8	242.1	259.3	266.4	252.2
DEKALB DKC67-88 GENVT3P	233.0	253.7	231.9	267.4	246.5
DEKALB DKC69-29 GENVT3P	232.6	211.1	267.7	219.3	232.7
Dyna-Gro D57VP51	236.9	241.1	258.3	237.4	243.4
Dyna-Gro D57VP75	251.8	239.2	239.2	273.7	251.0
Golden Acres 27V01	215.7	223.5	256.8	248.2	236.1
Golden Acres G7601	225.3	241.9	242.0	276.9	246.5
Mycogen MYX13825	179.8	187.2	204.4	185.3	189.2
Mycogen MYX13826	219.1	221.2	256.5	243.5	235.0
Pioneer P1745BVT	191.6	272.3	274.7	268.6	251.8
Pioneer P2088YHR	205.2	228.8	259.0	253.3	236.6
REV [®] 27HR83 [™]	215.4	233.1	236.6	268.6	238.4
REV [®] 28HR20 [™]	247.0	265.7	262.6	284.5	264.9
REV [®] 28R10 [™]	247.1	277.1	255.1	290.4	267.4
GRAND MEAN	226.6	240.0	255.5	255.5	244.4
LSD (5%)	20.2	18.6	20.3	23.0	•
C.V.	7.5	6.5	6.7	7.6	•

¹ Keiser = Northeast Research and Extension Center.

Stuttgart = Rice Research and Extension Center.

Rohwer = Rohwer Research Station.

Bell Farm = Bell Farming Company, Prairie County.

² The tests at the Marianna location were discarded. These tests were located adjacent to Highway 1.

Early this spring a highway expansion project resulted in all utilities having to be moved and reassembled including the well and pump that supplied irrigation to our corn tests. It is estimated that we missed the first three scheduled irrigations due to the untimely reconnection of our well and pump.

Table 9. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2013.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
		Avg. bu./A	Avg. bu./A	Moisture %				
<u>Early- to Mid-Season Hybrids</u>								
Augusta 5565 VT3PRO	249.9	•	•	18.1	0.0	0.0	31	36923
DEKALB DKC66-97 GENVT2P	238.5	•	•	18.4	0.0	0.0	31	41358
Dyna-Gro D54VP81	237.1	•	•	18.3	0.0	0.0	41	36561
LG5607VT3PRO	236.1	•	•	16.1	0.0	0.0	36	35113
DEKALB DKC64-69 GENVT3P	234.7	•	•	18.1	0.0	0.0	40	33032
ARMOR 1555SS	234.6	•	•	18.7	0.0	0.0	31	31586
NK N78S-3111 Brand	233.7	228.3	•	19.6	0.0	0.0	39	34751
Augusta 6866 GT3000	231.1	•	•	19.5	0.0	0.0	33	38100
BH 8660VTTP	231.0	•	•	18.9	0.0	0.0	33	33666
DEKALB DKC62-08 GENSS	227.2	•	•	17.3	0.0	0.0	39	33846
Mycogen 2C786	224.6	•	•	17.9	0.0	0.0	33	39457
NK N72Q-3111 Brand	224.5	•	•	18.9	0.0	0.0	39	42625
Dyna-Gro D52VC91	224.3	•	•	16.9	0.0	0.0	35	33575
Croplan 6960VT3P	223.8	•	•	18.5	0.0	0.0	27	38733
REV® 22BHR43™	223.2	•	•	16.6	0.0	0.0	35	30589
Augusta 6665 VT3PRO	223.0	•	•	16.7	0.0	0.0	38	37014
Golden Acres G6611	222.7	•	•	18.8	0.0	0.0	35	34208
Dyna-Gro D56VC46	222.5	•	•	18.4	0.0	0.0	37	34964
Croplan 6640VT3P	221.6	250.8	•	18.1	0.0	0.0	34	37738
REV® 22BHR21™	221.0	•	•	16.7	0.0	0.0	30	33303
DEKALB DKC61-88 GENVT3P	221.0	•	•	16.1	0.0	0.0	37	37104
Pioneer P1319HR	221.0	•	•	17.5	0.0	0.0	35	35113
Dyna-Gro D55VP77	220.9	•	•	17.6	0.0	0.0	27	34027
AgriGold A6559VT2PRO	220.9	•	•	16.6	0.0	0.0	39	33575
Golden Acres G4598	220.6	•	•	16.8	0.0	0.0	43	36923
DEKALB DKC66-87 GENVT2P	220.3	•	•	18.8	0.0	0.0	32	35204
ARMOR 1133PRO2	220.1	•	•	16.0	0.0	0.0	31	34027
AgriGold A6659VT3PRO	218.0	253.9	•	19.1	0.0	0.0	28	31675
BH 8700SS	217.8	•	•	17.5	0.0	0.0	37	32127
REV® 26R60™	217.3	202.0	189.6	16.5	0.0	0.0	33	31403
MFA MorCorn MC4344VT2PRIB	217.2	209.3	•	16.5	0.0	0.0	33	34389
BH 8630VTTP	215.8	241.9	•	18.8	0.0	0.0	34	34389
ARMOR 1550PRO2	215.3	•	•	18.1	0.0	0.0	31	34389
BH 8845VTTP	214.9	•	•	18.3	0.0	0.0	31	34661
Mycogen MYX13824	214.6	•	•	15.9	0.0	0.0	34	38552
AgriGold A6501VT3PRO	214.4	•	•	18.9	0.0	0.0	26	33213
Augusta 5658 GTCBLL	214.1	•	•	15.5	0.0	0.0	38	35204
Golden Acres G5531	213.8	222.9	•	18.2	0.0	0.0	31	32127
Delta Grow 2788	213.7	•	•	19.1	0.0	0.0	33	37195
AgriGold A6517VT3PRIB	212.4	•	•	17.9	0.0	0.0	31	32760
Augusta 5262 GT3000	212.1	•	•	16.9	0.0	0.0	36	38552
Mycogen 2V777	211.7	•	•	15.6	0.0	0.0	34	40543
Mycogen 2J794	211.1	•	•	20.8	0.0	0.0	39	38824
BH 8550VT2P	210.5	•	•	16.3	0.0	0.0	33	35294
MFA MorCorn XP505VT3P	210.2	•	•	17.2	0.0	0.0	40	32580

Table 9. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
		Avg. bu./A	Avg. bu./A	Moisture %				
<u>Early- to Mid-Season Hybrids Continued</u>								
Mycogen 2Y816	209.7	•	•	19.7	0.0	0.0	41	38009
Delta Grow 6160VIPGTCBLL	209.6	•	•	19.1	0.0	0.0	35	35204
Delta Grow 1660VIP3111	209.3	•	•	16.2	0.0	0.0	33	36291
ARMOR 1262PRO2	208.3	205.9	209.0	17.5	0.0	0.0	40	33846
Delta Grow 2888	207.6	•	•	18.3	0.0	0.0	40	36018
Delta Grow 3660	206.5	•	•	20.0	0.0	0.0	32	35656
Augusta 5465 GTCBLL	206.4	•	•	19.2	0.0	0.0	36	39457
AgriGold A6679VT2RIB	206.4	•	•	17.8	0.0	0.0	43	33665
MFA MorCorn XP504VT3P	203.2	•	•	16.9	0.0	0.0	29	33122
DEKALB DKC63-87 GENVT2P	202.8	•	•	17.3	0.0	0.0	35	36109
AgriGold A6573VT3PRIB	202.0	•	•	17.7	0.0	0.0	35	35113
NK N68B-3111 Brand	201.9	221.4	216.8	17.2	0.0	0.0	31	33394
Delta Grow 3788	201.8	212.7	•	21.2	0.0	0.0	43	34842
MFA MorCorn MC4354VT3P	200.4	•	•	18.1	0.0	0.0	34	34751
REV® 18BHR84™	200.4	•	•	16.9	0.0	0.0	29	33032
LG2636VT3PRIB	200.3	•	•	17.1	0.0	0.0	30	32399
Pioneer P1685YHR	199.4	•	•	17.2	0.0	0.0	44	36471
REV® 25BHR44™	198.8	•	•	17.7	0.0	0.0	41	32851
AgriGold A6499VT3PRO	197.6	•	•	17.5	0.0	0.0	35	34027
Mycogen 2V707	197.3	•	•	16.9	0.0	0.0	35	39186
REV® 17HR73™	196.8	•	•	15.4	0.0	0.0	29	33665
LG5618STX	196.5	•	•	18.6	0.0	0.0	26	31675
Golden Acres 26V21	195.6	196.8	•	20.1	0.0	0.0	37	32851
REV® 24BHR93™	193.7	•	•	17.8	0.0	0.0	43	31494
Mycogen 2Y765	193.6	•	•	18.0	0.0	0.0	35	38643
ARMOR 0700PRO2	193.4	•	•	15.3	0.0	0.0	31	35204
Mycogen 2V714	191.3	•	•	15.5	0.0	0.0	38	37195
Triumph 1366S	191.2	•	•	18.0	0.0	0.0	34	32580
AgriGold A6533VT2RIB	190.6	192.1	196.7	17.4	0.0	0.0	31	34751
REV® 26BHR50™	186.9	•	•	19.1	0.0	0.0	35	31494
REV® 22BHR54™	184.0	•	•	17.9	0.0	0.0	33	31585
NK N79T-3111 Brand	182.0	•	•	18.7	0.0	0.0	31	32037
Dyna-Gro D53VC13	177.6	•	•	16.8	0.0	0.0	40	33575
GRAND MEAN	211.9	•	•	17.7	0.0	0.0	35	35015
LSD (5%)	21.9	•	•	1.0	•	•	•	1820
C.V.	8.8	•	•	4.7	•	•	•	4

Table 9. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
		Avg. bu./A	Avg. bu./A	Moisture %				
Dyna-Gro D57VP75	251.8	•	•	18.2	0.0	0.0	43	35204
REV® 28R10™	247.1	259.8	245.9	18.7	0.0	0.0	41	32579
REV® 28HR20™	247.0	257.3	242.3	19.0	0.0	0.0	42	32761
Augusta 7767 VT2PRO	241.9	•	•	19.8	0.0	0.0	35	36923
Croplan 8621VT2P	240.8	•	•	17.5	0.0	0.0	42	39548
ARMOR 1880PRO2	237.5	251.5	•	17.5	0.0	0.0	33	33575
Dyna-Gro D57VP51	236.9	248.4	•	18.9	0.0	0.0	34	34027
Augusta 7768 GT	234.8	•	•	20.5	0.0	0.0	41	39819
BH 8928VTTP	234.4	•	•	19.6	0.0	0.0	46	37104
BH 8735VTTP	234.4	•	•	19.0	0.0	0.0	42	37014
DEKALB DKC67-88 GENVT3P	233.0	250.9	240.1	19.5	0.0	0.0	38	34661
BH 8900GT3	232.7	•	•	19.4	0.0	0.0	31	34299
DEKALB DKC69-29 GENVT3P	232.6	•	•	19.0	0.0	0.0	32	40000
BH 8732VTTP	227.6	•	•	18.2	0.0	0.0	39	36742
BH 8830VTTP	227.4	•	•	17.0	0.0	0.0	33	34118
Golden Acres G7601	225.3	•	•	18.8	0.0	0.0	44	31585
Mycogen MYX13826	219.1	•	•	19.5	0.0	0.0	43	36742
Golden Acres 27V01	215.7	237.2	•	18.7	0.0	0.0	39	32399
REV® 27HR83™	215.4	214.5	•	18.0	0.0	0.0	40	32037
Pioneer P2088YHR	205.2	226.5	•	18.2	0.0	0.0	32	35113
AgriGold A6687VT2PRO	200.3	•	•	18.1	0.0	0.0	37	34932
Pioneer P1745BVT	191.6	•	•	18.4	0.0	0.0	35	36380
Mycogen MYX13825	179.8	•	•	19.4	0.0	0.0	39	28328
GRAND MEAN	226.6	•	•	18.7	0.0	0.0	38	35038
LSD (5%)	20.2	•	•	0.8	•	•	•	1435
C.V.	7.5	•	•	3.6	•	•	•	3

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.³ Average number of plants per hybrid.

Soil Series	Sharkey clay
Soil pH	6.9
Previous Crop	Soybean
Row Width	38"
Planting Date	May 15
Irrigation Dates	June 27, July 7, July 19, August 26
Sidedress Fertilizer	100 lb/A N, June 5; 200 lb/A N, June 13
Herbicide Application(s)	Atrazine + Charger Basic, May 16; Accent +Atrazine + Buctril, June 21
Harvest Date	Early Hybrids, October 8; Late Hybrids, October 8

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2013	7.8	7.8	4.8	4.0	4.7	2.9	32.1
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.7
Departure	+3.1	+2.4	+0.9	0.0	+2.4	-0.3	+8.4

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2013.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain			Ear	Tip ⁴ Cover
		Avg. bu./A	Avg. bu./A	Moisture %	Root ³ Lodging	Stalk ³ Lodging	Height Inches	
<u>Early- to Mid-Season Hybrids</u>								
REV® 24BHR93™	274.6	•	•	17.1	0.0	0.0	57	1
Pioneer P1685YHR	262.8	•	•	17.5	0.0	1.0	54	2
Croplan 6640VT3P	262.3	252.7	•	15.9	0.0	0.0	49	3
DEKALB DKC66-87 GENVT2P	261.5	•	•	16.2	0.0	0.0	49	3
REV® 26BHR50™	257.8	•	•	18.7	0.0	0.0	53	3
Golden Acres G6611	257.7	•	•	17.2	0.0	1.0	47	1
Augusta 5565 VT3PRO	254.8	•	•	16.2	0.0	0.0	51	1
Pioneer P1319HR	254.6	•	•	16.7	0.0	0.0	55	3
REV® 26R60™	252.8	226.0	200.0	16.6	0.0	2.0	55	3
MFA MorCorn MC4344VT2PRIB	252.3	231.9	•	15.6	0.0	0.0	54	1
Dyna-Gro D56VC46	249.6	•	•	16.9	0.0	1.0	47	1
AgriGold A6659VT3PRO	248.7	245.0	•	16.8	0.0	1.0	47	1
DEKALB DKC62-08 GENSS	247.8	•	•	15.6	0.0	1.0	48	3
ARMOR 1550PRO2	246.8	•	•	16.9	0.0	0.0	54	2
Dyna-Gro D55VP77	246.7	•	•	15.7	0.0	4.0	44	2
Mycogen 2Y816	246.7	•	•	17.5	0.0	0.0	57	1
REV® 25BHR44™	246.7	•	•	17.6	0.0	1.0	60	3
NK N78S-3111 Brand	246.3	232.4	•	17.9	0.0	1.0	54	1
Golden Acres G4598	246.2	•	•	15.7	0.0	0.0	52	2
Dyna-Gro D54VP81	244.5	•	•	17.3	0.0	2.0	47	1
BH 8550VT2P	244.2	•	•	15.2	0.0	1.0	46	2
LG2636VT3PRIB	242.6	•	•	15.6	0.0	1.0	47	1
BH 8700SS	242.2	•	•	15.9	0.0	1.0	45	2
AgriGold A6559VT2PRO	241.5	•	•	15.1	0.0	0.0	52	3
DEKALB DKC61-88 GENVT3P	240.8	•	•	15.0	0.0	0.0	47	2
Golden Acres 26V21	238.8	219.0	•	17.6	0.0	0.0	54	2
Augusta 6665 VT3PRO	238.7	•	•	16.2	0.0	0.0	52	2
AgriGold A6517VT3PRIB	238.3	•	•	15.8	0.0	1.0	48	1
MFA MorCorn XP505VT3P	236.3	•	•	16.0	0.0	0.0	47	2
Mycogen 2C786	236.2	•	•	15.6	0.0	0.0	54	3
NK N79T-3111 Brand	236.1	•	•	17.7	0.0	1.0	51	1
Dyna-Gro D52VC91	235.6	•	•	16.0	0.0	0.0	48	1
NK N72Q-3111 Brand	234.9	•	•	17.4	0.0	3.0	51	2
REV® 18BHR84™	234.8	•	•	15.2	0.0	2.0	47	2
Golden Acres G5531	234.6	226.1	•	16.8	0.0	2.0	46	1
Augusta 6866 GT3000	233.9	•	•	18.7	0.0	1.0	60	2
Croplan 6960VT3P	233.2	•	•	16.8	0.0	1.0	47	1
DEKALB DKC66-97 GENVT2P	232.4	•	•	16.3	0.0	1.0	48	3
LG5618STX	232.4	•	•	17.4	0.0	1.0	45	1
AgriGold A6499VT3PRO	232.3	•	•	15.9	0.0	0.0	51	3
DEKALB DKC64-69 GENVT3P	232.3	•	•	15.6	0.0	1.0	45	3
LG5607VT3PRO	231.8	•	•	16.2	0.0	1.0	51	3
Mycogen 2V714	230.9	•	•	14.5	0.0	0.0	54	3
AgriGold A6679VT2RIB	230.3	•	•	16.4	0.0	0.0	54	3
ARMOR 1133PRO2	230.3	•	•	14.4	0.0	1.0	46	2

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³	Stalk ³	Ear	Tip ⁴ Cover
		Avg. bu./A	Avg. bu./A	Moisture %	Lodging	Lodging	Height Inches	
Mycogen 2V707	229.5	•	•	16.2	0.0	2.0	48	1
REV [®] 22BHR21 [™]	229.2	•	•	15.4	0.0	0.0	50	3
Augusta 5658 GTCBLL	229.0	•	•	14.4	0.0	1.0	50	2
REV [®] 22BHR43 [™]	228.3	•	•	15.7	0.0	0.0	53	2
ARMOR 1262PRO2	228.1	215.2	197.3	16.4	0.0	2.0	49	3
MFA MorCorn XP504VT3P	228.0	•	•	14.9	0.0	0.0	44	1
DEKALB DKC63-87 GENVT2P	227.7	•	•	16.6	0.0	2.0	55	1
BH 8660VTTP	227.1	•	•	17.7	0.0	0.0	48	3
AgriGold A6573VT3PRIB	227.1	•	•	17.0	0.0	3.0	49	2
Mycogen MYX13824	226.9	•	•	16.3	0.0	0.0	47	1
REV [®] 22BHR54 [™]	225.0	•	•	16.7	0.0	2.0	48	2
Augusta 5262 GT3000	224.7	•	•	15.6	0.0	2.0	52	1
AgriGold A6501VT3PRO	223.9	•	•	16.8	0.0	1.0	51	2
Delta Grow 3660	223.7	•	•	19.5	0.0	2.0	53	1
Mycogen 2J794	223.7	•	•	17.9	0.0	0.0	47	2
Delta Grow 6160VIPGTCBLL	223.1	•	•	17.6	0.0	1.0	57	1
Dyna-Gro D53VC13	223.0	•	•	16.2	0.0	1.0	55	3
Delta Grow 2788	222.0	•	•	16.3	0.0	0.0	53	3
MFA MorCorn MC4354VT3P	220.7	•	•	16.2	0.0	5.0	43	2
ARMOR 1555SS	219.9	•	•	17.3	0.0	1.0	43	2
ARMOR 0700PRO2	219.6	•	•	13.7	0.0	0.0	50	1
REV [®] 17HR73 [™]	218.9	•	•	14.7	0.0	1.0	50	3
Mycogen 2V777	217.2	•	•	15.5	0.0	1.0	53	3
NK N68B-3111 Brand	216.7	209.5	196.5	15.2	0.0	0.0	44	1
Delta Grow 1660VIP3111	215.7	•	•	14.7	0.0	1.0	50	2
Delta Grow 3788	214.8	198.7	•	17.0	0.0	1.0	53	2
Mycogen 2Y765	213.9	•	•	17.9	0.0	2.0	57	1
Delta Grow 2888	213.5	•	•	16.7	0.0	1.0	55	2
BH 8845VTTP	211.8	•	•	16.7	0.0	1.0	42	2
BH 8630VTTP	211.6	223.3	•	17.2	0.0	1.0	48	1
Augusta 5465 GTCBLL	209.6	•	•	17.6	0.0	2.0	55	3
Triumph 1366S	208.2	•	•	16.1	0.0	1.0	52	2
AgriGold A6533VT2RIB	205.1	206.5	192.4	15.6	0.0	6.0	46	3
GRAND MEAN	233.9	•	•	16.4	0.0	1.0	50	2
LSD (5%)	22.9	•	•	1.0	•	2.6	•	•
C.V.	7.3	•	•	4.7	•	•	•	•

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover
		Avg. bu./A	Avg. bu./A	Moisture %				
REV® 28R10™	277.1	248.2	220.7	17.8	0.0	0.0	54	3
Pioneer P1745BVT	272.3	•	•	18.1	0.0	0.0	53	1
REV® 28HR20™	265.7	233.0	219.2	18.0	0.0	1.0	53	3
BH 8732VTTP	259.9	•	•	17.9	0.0	1.0	60	1
AgriGold A6687VT2PRO	257.8	•	•	16.7	0.0	1.0	54	1
Augusta 7768 GT	254.7	•	•	18.1	0.0	0.0	62	3
DEKALB DKC67-88 GENVT3P	253.7	240.8	232.8	19.0	0.0	0.0	56	1
ARMOR 1880PRO2	246.6	233.9	•	15.7	0.0	0.0	49	2
BH 8928VTTP	243.5	•	•	18.0	0.0	1.0	60	2
Croplan 8621VT2P	242.1	•	•	16.2	0.0	1.0	54	3
Golden Acres G7601	241.9	•	•	16.6	0.0	1.0	55	3
Dyna-Gro D57VP51	241.1	227.5	•	17.6	0.0	0.0	48	3
BH 8830VTTP	239.7	•	•	16.2	0.0	0.0	52	1
Dyna-Gro D57VP75	239.2	•	•	16.3	0.0	0.0	59	2
REV® 27HR83™	233.1	216.3	•	16.8	0.0	0.0	49	3
Pioneer P2088YHR	228.8	231.6	•	18.1	0.0	1.0	56	2
Augusta 7767 VT2PRO	228.1	•	•	18.2	0.0	2.0	48	1
BH 8900GT3	228.1	•	•	18.7	0.0	0.0	57	1
BH 8735VTTP	224.2	•	•	16.8	0.0	1.0	56	2
Golden Acres 27V01	223.5	218.0	•	16.9	0.0	1.0	53	3
Mycogen MYX13826	221.2	•	•	19.9	0.0	1.0	54	3
DEKALB DKC69-29 GENVT3P	211.1	•	•	17.6	0.0	0.0	52	1
Mycogen MYX13825	187.2	•	•	20.4	0.0	1.0	53	1
GRAND MEAN	240.0	•	•	17.6	0.0	0.4	54	2
LSD (5%)	18.6	•	•	0.8	•	1.2	•	•
C.V.	6.5	•	•	4.0	•	•	•	•

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.³ Average number of plants per hybrid.⁴ Tip cover was rated as good (1), average (2), or poor (3). A rating of good was given when 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 ears were open to the weather.

Soil Series	Crowley silt loam
Soil pH	5.4
Previous Crop	Soybean
Row Width	30"
Preplant Fertilizer	80 lb/A N, 90 lb/A P, 90 lb/A K, 15 lb/A S, 10 lb/A Zn, April 9
Planting Date	April 23
Irrigation Dates	June 13, June 26, July 9, July 17, July 29, August 12
Sidedress Fertilizer	92 lb/A N, June 1; 92 lb/A N, June 11
Herbicide Application(s)	Bicep II Magnum, May 1
Insecticide Application(s)	Intrepid + Mustang Max, July 11
Harvest Date	Early hybrids, September 9; Late hybrids, September 9

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2013	6.7	4.3	1.5	0.8	1.5	0.3	15.0
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	+0.7	-1.9	-2.2	-2.3	-1.6	-2.7	-10.0

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2013.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
		Avg. bu./A	Avg. bu./A	Moisture %				
<u>Early- to Mid-Season Hybrids</u>								
DEKALB DKC64-69 GENVT3P	279.7	•	•	15.4	0.0	0.0	46	34303
Delta Grow 3660	278.7	•	•	17.7	0.0	0.0	45	31639
MFA MorCorn MC4354VT3P	269.8	•	•	15.6	0.0	0.0	43	35421
Croplan 6640VT3P	268.9	258.1	•	16.0	0.0	0.0	42	33014
Mycogen 2V777	268.6	•	•	15.8	0.0	0.0	47	35851
DEKALB DKC66-97 GENVT2P	268.0	•	•	14.3	0.0	0.0	39	37055
REV® 24BHR93™	268.0	•	•	16.3	0.0	0.0	55	32670
AgriGold A6659VT3PRO	267.8	256.9	•	15.3	0.0	0.0	45	31982
Pioneer P1685YHR	265.9	•	•	15.9	0.0	0.0	51	32412
Mycogen 2V707	265.3	•	•	14.4	0.0	0.0	47	36539
DEKALB DKC66-87 GENVT2P	265.1	•	•	14.8	0.0	0.0	46	32928
Mycogen 2C786	263.6	•	•	14.9	0.0	0.0	52	37141
BH 8660VTTP	262.9	•	•	15.5	0.0	0.0	43	32498
AgriGold A6573VT3PRIB	262.1	•	•	15.4	0.0	0.0	41	31553
DEKALB DKC63-87 GENVT2P	261.8	•	•	15.1	0.0	0.0	45	34046
Mycogen MYX13824	261.1	•	•	15.6	0.0	0.0	43	35507
Dyna-Gro D56VC46	260.8	•	•	16.6	0.0	0.0	42	32756
MFA MorCorn XP504VT3P	260.0	•	•	14.6	0.0	0.0	45	33874
NK N72Q-3111 Brand	259.3	•	•	15.4	0.0	0.0	53	32584
Croplan 6960VT3P	259.3	•	•	16.1	0.0	0.0	40	31209
Delta Grow 6160VIPGTCBLL	259.2	•	•	16.2	0.0	0.0	42	26136
NK N79T-3111 Brand	257.3	•	•	17.0	0.0	0.0	46	30693
AgriGold A6499VT3PRO	256.5	•	•	15.1	0.0	0.0	46	32326
Augusta 5465 GTCBLL	256.3	•	•	16.2	0.0	0.0	47	32670
Augusta 5565 VT3PRO	256.1	•	•	15.1	0.0	0.0	44	33702
Mycogen 2Y816	255.4	•	•	17.0	0.0	0.0	50	34905
Dyna-Gro D55VP77	255.2	•	•	15.8	0.0	0.0	41	31638
Mycogen 2J794	255.2	•	•	17.4	0.0	0.0	47	33702
Dyna-Gro D54VP81	255.0	•	•	15.6	0.0	0.0	43	31467
Golden Acres G4598	254.9	•	•	14.0	0.0	0.0	50	33272
Augusta 6866 GT3000	254.7	•	•	17.4	0.0	0.0	52	32842
LG2636VT3PRIB	254.6	•	•	14.9	0.0	0.0	43	30865
Pioneer P1319HR	254.6	•	•	15.2	0.0	0.0	44	31552
REV® 25BHR44™	254.5	•	•	16.0	0.0	0.0	58	30607
NK N78S-3111 Brand	252.3	237.8	•	17.3	0.0	0.0	45	30435
Augusta 6665 VT3PRO	251.9	•	•	14.5	0.0	0.0	50	33272
REV® 26BHR50™	251.0	•	•	17.5	0.0	0.0	50	26824
ARMOR 1133PRO2	250.7	•	•	15.0	0.0	0.0	42	32842
Delta Grow 2788	250.4	•	•	15.4	0.0	0.0	47	33616
BH 8700SS	249.5	•	•	15.3	0.0	0.0	40	29489
MFA MorCorn MC4344VT2PRIB	249.0	230.2	•	14.8	0.0	0.0	53	29575
Golden Acres G5531	248.9	228.7	•	15.7	0.0	0.0	45	29059
MFA MorCorn XP505VT3P	248.2	•	•	14.7	0.0	0.0	49	31811
Mycogen 2V714	247.9	•	•	14.1	0.0	0.0	51	33616
Dyna-Gro D52VC91	247.8	•	•	15.0	0.0	0.0	42	31810

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
		Avg. bu./A	Avg. bu./A	Moisture %				
<u>Early- to Mid-Season Hybrids Continued</u>								
LG5618STX	247.8	•	•	15.9	0.0	0.0	44	31294
REV® 18BHR84™	247.7	•	•	15.5	0.0	0.0	42	31466
Mycogen 2Y765	246.8	•	•	16.1	0.0	0.0	51	34046
BH 8550VT2P	246.7	•	•	14.6	0.0	0.0	47	31466
AgriGold A6559VT2PRO	245.7	•	•	14.7	0.0	0.0	50	35421
ARMOR 1550PRO2	245.5	•	•	16.9	0.0	0.0	42	28458
ARMOR 1555SS	245.1	•	•	16.4	0.0	0.0	39	29317
AgriGold A6501VT3PRO	245.1	•	•	15.6	0.0	0.0	37	31725
NK N68B-3111 Brand	244.6	232.4	226.1	14.3	0.0	0.0	38	31553
Golden Acres G6611	243.6	•	•	16.2	0.0	0.0	42	32412
ARMOR 1262PRO2	243.6	217.5	213.6	15.2	0.0	0.0	42	30693
Augusta 5262 GT3000	243.6	•	•	15.3	0.0	0.0	43	36797
AgriGold A6517VT3PRIB	243.5	•	•	15.0	0.0	0.0	40	32584
DEKALB DKC61-88 GENVT3P	243.3	•	•	16.8	0.0	0.0	46	31896
BH 8630VTTP	240.8	229.2	•	15.3	0.0	0.0	40	32326
Augusta 5658 GTCBLL	239.6	•	•	13.9	0.0	0.0	44	35163
Triumph 1366S	238.7	•	•	14.9	0.0	0.0	45	31810
AgriGold A6533VT2RIB	238.0	228.1	224.8	14.2	0.0	0.0	34	31725
ARMOR 0700PRO2	237.7	•	•	13.9	0.0	0.0	40	32154
Delta Grow 1660VIP3111	237.4	•	•	13.7	0.0	0.0	45	35078
REV® 26R60™	237.0	221.2	201.4	15.9	0.0	0.0	50	28372
REV® 22BHR21™	237.0	•	•	15.2	0.0	0.0	47	32498
REV® 17HR73™	236.9	•	•	14.5	0.0	0.0	44	27426
Golden Acres 26V21	236.8	221.9	•	16.2	0.0	0.0	45	32154
LG5607VT3PRO	236.6	•	•	15.5	0.0	0.0	44	29747
DEKALB DKC62-08 GENSS	235.6	•	•	14.9	0.0	0.0	51	31294
Dyna-Gro D53VC13	235.3	•	•	15.1	0.0	0.0	49	29489
Delta Grow 2888	235.3	•	•	15.8	0.0	0.0	51	31724
AgriGold A6679VT2RIB	233.7	•	•	15.9	0.0	0.0	48	31037
Delta Grow 3788	232.2	229.1	•	16.4	0.0	0.0	51	29919
REV® 22BHR43™	229.2	•	•	14.8	0.0	0.0	43	29403
REV® 22BHR54™	223.4	•	•	15.2	0.0	0.0	45	28715
BH 8845VTTP	220.0	•	•	15.8	0.0	0.0	42	28543
GRAND MEAN	250.5	•	•	15.5	0.0	0.0	45	32069
LSD (5%)	20.4	•	•	1.1	•	•	•	3549
C.V.	7.0	•	•	6.1	•	•	•	9

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
		Avg. bu./A	Avg. bu./A	Moisture %				
Mid- to Full-Season								
Augusta 7767 VT2PRO	283.8	•	•	16.9	0.0	0.0	48	32498
BH 8900GT3	277.4	•	•	16.5	0.0	0.0	46	32412
Augusta 7768 GT	275.9	•	•	18.3	0.0	0.0	51	31294
Pioneer P1745BVT	274.7	•	•	16.2	0.0	0.0	53	33702
BH 8732VTTP	269.5	•	•	15.8	0.0	0.0	55	34991
BH 8735VTTP	268.6	•	•	15.4	0.0	0.0	50	32498
DEKALB DKC69-29 GENVT3P	267.7	•	•	16.2	0.0	0.0	44	33444
REV® 28HR20™	262.6	249.1	237.7	17.0	0.0	0.0	56	32842
Croplan 8621VT2P	259.3	•	•	15.3	0.0	0.0	47	32240
Pioneer P2088YHR	259.0	237.3	•	15.9	0.0	0.0	45	34561
Dyna-Gro D57VP51	258.3	235.2	•	16.2	0.0	0.0	43	29919
Golden Acres 27V01	256.8	235.9	•	15.0	0.0	0.0	51	33014
Mycogen MYX13826	256.5	•	•	19.0	0.0	0.0	52	32928
REV® 28R10™	255.1	234.8	221.0	16.6	0.0	0.0	53	32756
AgriGold A6687VT2PRO	254.3	•	•	14.8	0.0	0.0	47	31037
BH 8928VTTP	252.0	•	•	15.8	0.0	0.0	52	38602
ARMOR 1880PRO2	245.7	231.1	•	15.1	0.0	0.0	50	35077
BH 8830VTTP	245.7	•	•	14.9	0.0	0.0	45	35249
Golden Acres G7601	242.0	•	•	15.5	0.0	0.0	50	31466
Dyna-Gro D57VP75	239.2	•	•	15.5	0.0	0.0	50	34304
REV® 27HR83™	236.6	220.0	•	15.7	0.0	0.0	56	34389
DEKALB DKC67-88 GENVT3P	231.9	225.3	218.0	18.8	0.0	0.0	52	29317
Mycogen MYX13825	204.4	•	•	18.5	0.0	0.0	45	36883
GRAND MEAN	255.5	•	•	16.3	0.0	0.0	50	33279
LSD (5%)	20.3	•	•	0.7	•	•	•	5104
C.V.	6.7	•	•	3.8	•	•	•	13

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.³ Average number of plants per hybrid.

Soil Series	Hebert silt loam
Soil pH	7.5
Previous Crop	Corn
Row Width	38"
Preplant Fertilizer	36 lb/A N, 80 lb/A P, 120 lb/A K, 10lb/A Zn, March 21
Planting Date	April 22
Irrigation Dates	June 12, June 21, July 8, July 11, June 24, July 30
Sidedress Fertilizer	85 lb/A N, May 21; 50 lb/A N, May 28; 130 lb/A N, June 5
Herbicide Application(s)	Dual II Magnum, April 26; Atrazine, May 24; Laudis + Atrazine, June 4
Harvest Date	Early hybrids, September 13; Late hybrids, September 13

Precipitation (inches)

2013 Average Departure	April	May	June	July	August	Total
	6.1	5.7	2.1	1.9	1.6	17.4
	4.8	5.1	3.8	3.7	2.5	19.8
	+1.3	+0.6	-1.7	-1.8	-0.9	-2.4

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2013.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover
		Avg. bu./A	Avg. bu./A	Moisture %				
<u>Early- to Mid-Season Hybrids</u>								
REV® 26R60™	296.3	256.2	232.3	19.3	0.0	0.0	56	3
REV® 24BHR93™	281.2	•	•	20.8	0.0	0.0	62	3
NK N79T-3111 Brand	273.0	•	•	19.9	0.0	0.0	56	1
Pioneer P1319HR	270.1	•	•	19.8	0.0	0.0	61	2
Croplan 6960VT3P	269.7	•	•	19.1	0.0	0.0	46	1
BH 8550VT2P	267.7	•	•	20.1	0.0	0.0	56	3
Augusta 6866 GT3000	266.2	•	•	22.0	0.0	0.0	60	2
Croplan 6640VT3P	265.2	248.8	•	19.7	0.0	0.0	47	1
DEKALB DKC66-87 GENVT2P	265.2	•	•	20.5	0.0	0.0	51	3
ARMOR 1262PRO2	264.9	241.2	227.3	19.9	0.0	0.0	42	3
REV® 26BHR50™	264.6	•	•	22.2	0.0	0.0	62	2
Pioneer P1685YHR	260.7	•	•	20.0	0.0	0.0	59	3
Delta Grow 6160VIPGTCBLL	258.6	•	•	20.2	0.0	0.0	56	1
Golden Acres G4598	258.4	•	•	19.9	0.0	0.0	54	3
AgriGold A6559VT2PRO	257.5	•	•	19.9	0.0	0.0	58	3
LG2636VT3PRIB	257.1	•	•	19.8	0.0	0.0	50	1
REV® 18BHR84™	256.2	•	•	18.1	0.0	0.0	53	2
REV® 25BHR44™	256.0	•	•	21.0	0.0	0.0	64	2
ARMOR 1550PRO2	255.3	•	•	19.9	0.0	0.0	52	2
REV® 22BHR21™	255.3	•	•	19.2	0.0	0.0	56	1
Delta Grow 3660	254.1	•	•	21.4	0.0	0.0	57	1
AgriGold A6499VT3PRO	253.6	•	•	19.3	0.0	0.0	58	1
Augusta 5565 VT3PRO	253.1	•	•	19.9	0.0	0.0	56	1
AgriGold A6501VT3PRO	252.9	•	•	19.8	0.0	0.0	53	2
Dyna-Gro D54VP81	252.7	•	•	20.5	0.0	0.0	48	1
BH 8700SS	252.3	•	•	19.4	0.0	0.0	52	1
Golden Acres G6611	251.9	•	•	20.5	0.0	0.0	50	1
Dyna-Gro D55VP77	251.8	•	•	19.8	0.0	0.0	50	1
AgriGold A6517VT3PRIB	249.5	•	•	20.0	0.0	0.0	54	2
LG5618STX	249.3	•	•	20.6	0.0	0.0	52	1
BH 8660VTTP	249.2	•	•	21.2	0.0	0.0	55	2
DEKALB DKC61-88 GENVT3P	248.7	•	•	18.4	0.0	0.0	59	2
MFA MorCorn MC4354VT3P	248.2	•	•	19.8	0.0	0.0	51	3
BH 8630VTTP	247.5	229.8	•	20.4	0.0	0.0	52	1
NK N78S-3111 Brand	246.7	238.0	•	22.1	0.0	0.0	56	1
AgriGold A6573VT3PRIB	246.6	•	•	20.4	0.0	0.0	55	2
MFA MorCorn MC4344VT2PRIB	246.3	231.5	•	19.1	0.0	0.0	58	3
Delta Grow 2788	246.0	•	•	21.2	0.0	0.0	49	3
LG5607VT3PRO	245.8	•	•	19.8	0.0	0.0	53	2
ARMOR 1555SS	245.7	•	•	21.5	0.0	0.0	52	1
Mycogen MYX13824	244.5	•	•	19.0	0.0	0.0	56	1
REV® 22BHR43™	243.7	•	•	18.7	0.0	0.0	54	2
AgriGold A6659VT3PRO	243.6	225.2	•	19.6	0.0	0.0	51	1
ARMOR 1133PRO2	243.4	•	•	18.2	0.0	0.0	47	1
REV® 17HR73™	243.3	•	•	17.7	0.0	0.0	52	1

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover
		Avg. bu./A	Avg. bu./A	Moisture %				
<u>Early- to Mid-Season Hybrids Continued</u>								
Dyna-Gro D56VC46	243.0	•	•	20.5	0.0	0.0	53	1
AgriGold A6679VT2RIB	242.9	•	•	20.2	0.0	0.0	54	3
DEKALB DKC64-69 GENVT3P	242.8	•	•	19.5	0.0	0.0	51	2
DEKALB DKC63-87 GENVT2P	241.9	•	•	20.0	0.0	0.0	59	1
DEKALB DKC62-08 GENSS	241.7	•	•	18.8	0.0	0.0	59	2
Augusta 6665 VT3PRO	240.8	•	•	19.9	0.0	0.0	52	3
Dyna-Gro D53VC13	239.3	•	•	19.2	0.0	0.0	56	3
Mycogen 2C786	239.1	•	•	19.4	0.0	0.0	54	1
Golden Acres 26V21	238.9	220.4	•	20.6	0.0	0.0	57	2
REV® 22BHR54™	238.6	•	•	20.7	0.0	0.0	58	1
Delta Grow 2888	237.6	•	•	20.6	0.0	0.0	57	2
DEKALB DKC66-97 GENVT2P	237.0	•	•	20.2	0.0	0.0	53	2
NK N72Q-3111 Brand	236.4	•	•	19.4	0.0	0.0	55	3
Dyna-Gro D52VC91	235.6	•	•	19.4	0.0	0.0	51	1
Golden Acres G5531	233.4	226.8	•	19.5	0.0	0.0	53	1
MFA MorCorn XP505VT3P	233.2	•	•	19.8	0.0	0.0	57	1
Augusta 5658 GTCBLL	232.6	•	•	18.0	0.0	0.0	50	2
MFA MorCorn XP504VT3P	232.6	•	•	18.2	0.0	0.0	54	2
Mycogen 2V707	232.4	•	•	20.1	0.0	0.0	54	2
ARMOR 0700PRO2	231.5	•	•	16.5	0.0	0.0	45	2
BH 8845VTTP	231.2	•	•	19.6	0.0	0.0	52	1
Augusta 5465 GTCBLL	231.0	•	•	20.3	0.0	0.0	52	3
NK N68B-3111 Brand	230.1	224.9	217.3	17.7	0.0	0.0	47	1
Mycogen 2V777	227.2	•	•	19.1	0.0	0.0	59	1
Mycogen 2Y765	226.5	•	•	21.6	0.0	0.0	54	2
Mycogen 2Y816	225.3	•	•	22.8	0.0	0.0	56	1
Delta Grow 3788	224.5	218.3	•	20.2	0.0	0.0	54	3
Mycogen 2J794	224.2	•	•	22.7	0.0	0.0	54	1
AgriGold A6533VT2RIB	222.7	228.2	213.8	18.1	0.0	0.0	50	2
Augusta 5262 GT3000	218.9	•	•	18.5	0.0	0.0	61	2
Triumph 1366S	216.0	•	•	20.9	0.0	0.0	55	1
Delta Grow 1660VIP3111	215.3	•	•	17.9	0.0	0.0	47	1
Mycogen 2V714	215.2	•	•	19.0	0.0	0.0	58	1
GRAND MEAN	245.7	•	•	19.8	0.0	0.0	54	2
LSD (5%)	18.7	•	•	1.0	•	•	•	•
C.V.	6.5	•	•	4.1	•	•	•	•

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2013, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover
		Avg. bu./A	Avg. bu./A	Moisture %				
<u>Mid- to Full-Season</u>								
REV® 28R10™	290.4	247.3	232.7	20.7	0.0	0.0	57	2
REV® 28HR20™	284.5	242.8	236.9	22.3	0.0	0.0	64	1
Golden Acres G7601	276.9	•	•	19.9	0.0	0.0	62	2
Dyna-Gro D57VP75	273.7	•	•	20.3	0.0	0.0	57	1
BH 8735VTTP	271.6	•	•	20.3	0.0	0.0	63	3
REV® 27HR83™	268.6	233.1	•	19.6	0.0	0.0	71	3
Pioneer P1745BVT	268.6	•	•	20.8	0.0	0.0	55	1
BH 8732VTTP	268.3	•	•	21.7	0.0	0.0	59	1
DEKALB DKC67-88 GENVT3P	267.4	230.4	228.2	22.3	0.0	0.0	57	1
Croplan 8621VT2P	266.4	•	•	21.1	0.0	0.0	51	3
Augusta 7768 GT	263.0	•	•	23.7	0.0	0.0	58	3
BH 8900GT3	257.9	•	•	21.4	0.0	0.0	58	1
AgriGold A6687VT2PRO	257.2	•	•	21.3	0.0	0.0	57	3
BH 8928VTTP	257.2	•	•	20.9	0.0	0.0	61	1
Pioneer P2088YHR	253.3	238.1	•	22.0	0.0	0.0	54	2
Golden Acres 27V01	248.2	227.1	•	21.2	0.0	0.0	51	3
Augusta 7767 VT2PRO	244.5	•	•	22.0	0.0	0.0	54	1
Mycogen MYX13826	243.5	•	•	24.3	0.0	0.0	56	2
ARMOR 1880PRO2	243.0	224.4	•	20.8	0.0	0.0	55	1
Dyna-Gro D57VP51	237.4	230.6	•	20.3	0.0	0.0	48	2
BH 8830VTTP	230.2	•	•	20.6	0.0	0.0	56	1
DEKALB DKC69-29 GENVT3P	219.3	•	•	21.6	0.0	0.0	56	1
Mycogen MYX13825	185.3	•	•	25.2	0.0	0.0	58	2
GRAND MEAN	255.5	•	•	21.5	0.0	0.0	57	2
LSD (5%)	23.0	•	•	1.3	•	•	•	•
C.V.	7.6	•	•	5.2	•	•	•	•

¹ Average yield for 2012 and 2013.² Average yield for 2011, 2012, and 2013.³ Average number of plants per hybrid.⁴ Tip cover was rated as good (1), average (2), or poor (3). A rating of good was given when 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 ears were open to the weather.

Soil Series	Calhoun silt loam
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	Roundup PowerMaxx + Leadoff, November 3, 2012
Preplant Fertilizer	1.25 tons/A chicken litter, N-55, P-55, K-55, October 10, 2012; Variable rate P and K, 50 units P and 110 units K avg., March 29; 150 lb/A ammonium sulfate, 165 lb/A urea, April 14
Planting Date	April 23
Sidedress Fertilizer	27 gal/A 32%N, May 20; 100 lb/A urea flown on, June 11
Herbicide Application(s)	Steadfast + Atrazine, May 23
Harvest Date	Early hybrids, September 5; Late hybrids, September 5

**Participants and Entries
2013 Grain Sorghum Tests**

Company

B-H Genetics

5933 FM1157
Ganado, TX 77962

Crop Production Services

1673 N. US Hwy 61
Portageville, MO 63873

Gayland Ward Seed Company

4395 US Hwy 60
Hereford, TX 79045

Golden Acres Genetics

P.O. Box 579
Buchanan Dam, TX 78609

Monsanto Company

800 N. Lindbergh Blvd.
St. Louis, MO 63167

Pioneer Hi-Bred International, Inc.

700 Boulevard South, Suite 302
Huntsville, AL 35802

Terral Seed, Inc.

P. O. Box 826
Lake Providence, LA 71254

Triumph Seed Co., Inc.

P.O. Box 1050
Ralls, TX 79357

Hybrids

BH 3822

BH 5566

Dyna-Gro 765B

Dyna-Gro GX13661

Dyna-Gro M75GB39

Dyna-Gro M77GB52

Gayland Ward GW 9480

Golden Acres 5556

Golden Acres 5613

DEKALB DKS51-01

DEKALB DKS53-67

Pioneer 83P17

Pioneer 83P99

Pioneer 84G62

Pioneer 84P80

REV®RV9562™

REV®RV9782™

REV®RV9794™

REV®RV9803™

REV®RV9823™

REV®RV9883™

REV®RV9924™

REV®RV9973™

Triumph TR481

Triumph TRX15401

**Participants and Entries
2013 Corn Tests**

Company

AgriGold Hybrids

5381 Akin Rd
St. Francisville, IL 62460

Armor Seed

P.O. Box 178
Fisher, AR 72429

Augusta Seed Coop.

P.O. Box 899
Verona, VA 24482

B-H Genetics

5933 FM 1157
Ganado, TX 77962

Crop Production Services

1673 N. US Hwy 61
Portageville, MO 63873

Hybrids

AgriGold A6499VT3PRO
AgriGold A6501VT3PRO
AgriGold A6517VT3PRIB
AgriGold A6533VT2RIB
AgriGold A6559VT2PRO
AgriGold A6573VT3PRIB
AgriGold A6659VT3PRO
AgriGold A6679VT2RIB
AgriGold A6687VT2PRO

ARMOR 0700PRO2
ARMOR 1133PRO2
ARMOR 1262PRO2
ARMOR 1550PRO2
ARMOR 1555SS
ARMOR 1880PRO2

Augusta 5262 GT3000
Augusta 5465 GTCBLL
Augusta 5565 VT3PRO
Augusta 5658 GTCBLL
Augusta 6665 VT3PRO
Augusta 6866 GT3000
Augusta 7767 VT2PRO
Augusta 7768 GT

BH 8550VT2P
BH 8630VTTP
BH 8660VTTP
BH 8700SS
BH 8732VTTP
BH 8735VTTP
BH 8830VTTP
BH 8845VTTP
BH 8900GT3
BH 8928VTTP

Dyna-Gro D52VC91
Dyna-Gro D53VC13
Dyna-Gro D54VP81
Dyna-Gro D55VP77
Dyna-Gro D56VC46
Dyna-Gro D57VP51
Dyna-Gro D57VP75

**Participants and Entries
2013 Corn Tests Continued**

Company**Delta Grow Seed**

P.O. Box 219
England, AR 72046

Golden Acres Genetics

P.O. Box 579
Buchanan Dam, TX 78609

Land O'Lakes -**Winfield Solutions, LLC**

4990 County Road 583
Blytheville, AR 72315

LG Seeds Inc.

22827 Shissler Rd.
Elmwood, IL 61529

MFA Inc.

201 Ray Young Dr.
Columbia, MO 65201

Monsanto Company

800 N. Lindbergh Blvd.
St. Louis, MO 63167

Hybrids

Delta Grow 1660VIP3111
Delta Grow 2788
Delta Grow 2888
Delta Grow 3660
Delta Grow 3788
Delta Grow 6160VIPGTCBLL

Golden Acres 26V21
Golden Acres 27V01
Golden Acres G4598
Golden Acres G5531
Golden Acres G6611
Golden Acres G7601

Croplan 6640VT3P
Croplan 6960VT3P
Croplan 8621VT2P

LG5618STX
LG2636VT3PRIB
LG5607VT3PRO

MFA MorCorn MC4344VT2PRIB
MFA MorCorn MC4354VT3P
MFA MorCorn XP504VT3P
MFA MorCorn XP505VT3P

DEKALB DKC61-88 GENVT3P
DEKALB DKC62-08 GENSS
DEKALB DKC63-87 GENVT2P
DEKALB DKC64-69 GENVT3P
DEKALB DKC66-87 GENVT2P
DEKALB DKC66-97 GENVT2P
DEKALB DKC67-88 GENVT3P
DEKALB DKC69-29 GENVT3P

**Participants and Entries
2013 Corn Tests Continued**

Company

Mycogen Seed

107 Meritt Cove
Marion, AR 72364

Pioneer Hi-Bred International, Inc.

700 Boulevard South, Ste. 302
Huntsville, AL 35802

Syngenta Seeds

27 Kelly Court
Cabot, AR 72023

Terral Seed, Inc.

P. O. Box 826
Lake Providence, LA 71254

Triumph Seed Co., Inc.

P.O. Box 1050
Ralls, TX 79357

Hybrids

Mycogen 2C786
Mycogen 2J794
Mycogen 2V707
Mycogen 2V714
Mycogen 2V777
Mycogen 2Y765
Mycogen 2Y816
Mycogen MYX13824
Mycogen MYX13825
Mycogen MYX13826

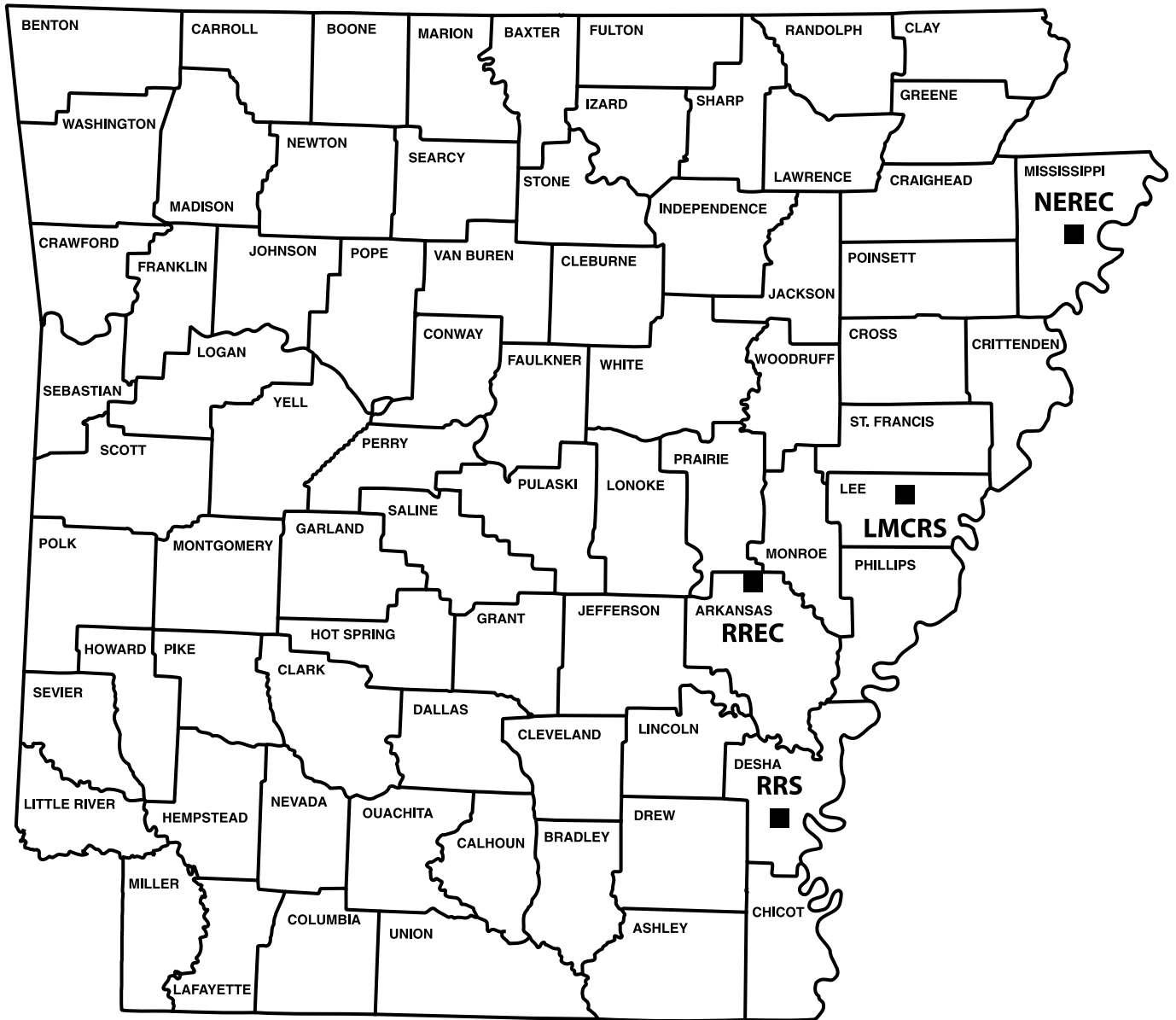
Pioneer P1319HR
Pioneer P1685YHR
Pioneer P1745BVT
Pioneer P2088YHR

NK N68B-3111 Brand
NK N72Q-3111 Brand
NK N78S-3111 Brand
NK N79T-3111 Brand

REV® 17HR73™
REV® 18BHR84™
REV® 22BHR21™
REV® 22BHR43™
REV® 22BHR54™
REV® 24BHR93™
REV® 25BHR44™
REV® 26BHR50™
REV® 26R60™
REV® 27HR83™
REV® 28HR20™
REV® 28R10™

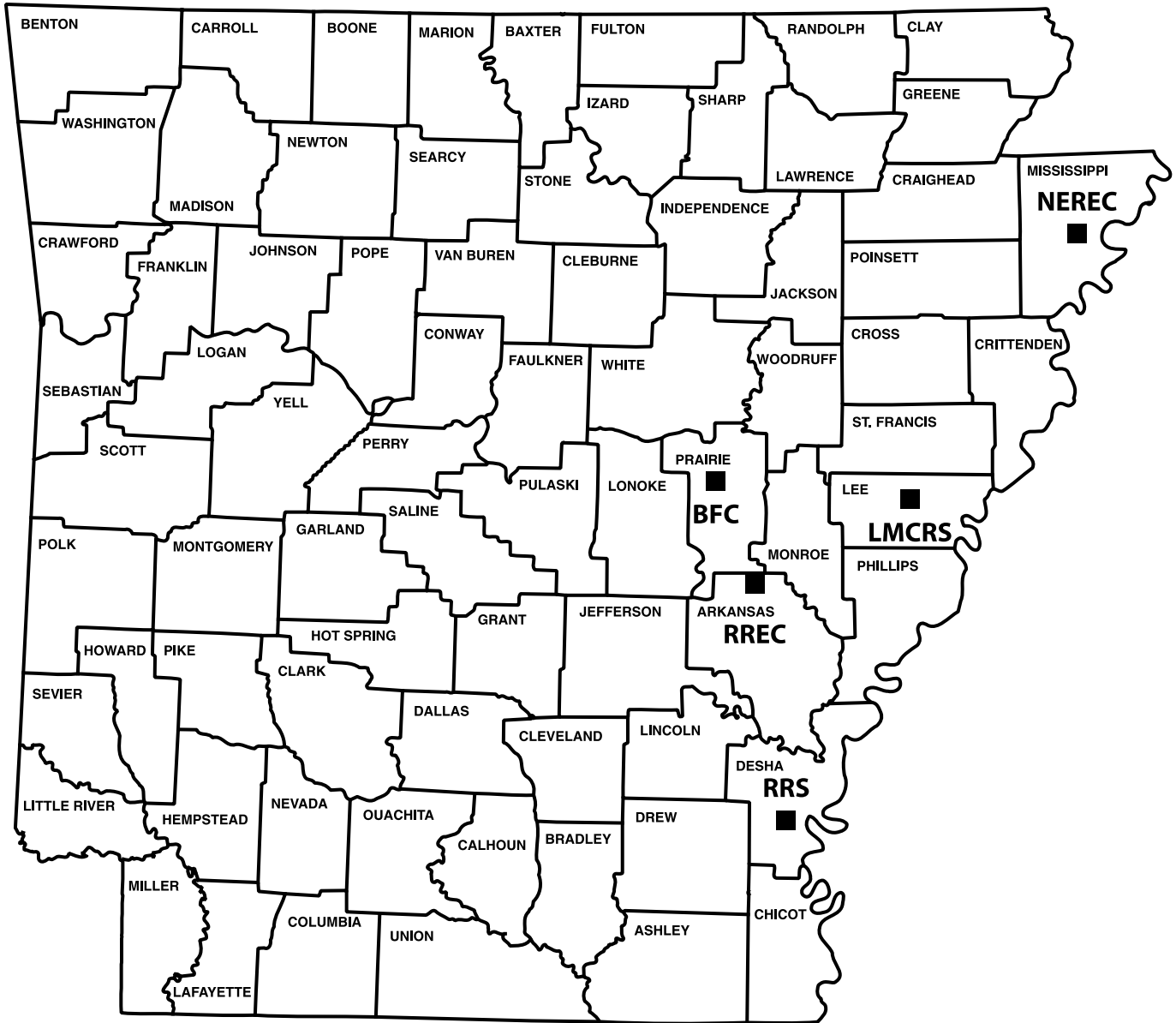
Triumph 1366S

GRAIN SORGHUM TEST LOCATIONS



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

CORN TEST LOCATIONS



- BFC** - Bell Farming Company, Des Arc, Arkansas
- LMCRS** - Lon Mann Cotton Research Station, Marianna, Arkansas
- NEREC** - Northeast Research and Extension Center, Keiser, Arkansas
- RREC** - Rice Research and Extension Center, Stuttgart, Arkansas
- RRS** - Rohwer Research Station

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