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Arkansas Corn and Grain Sorghum Performance Tests 2009

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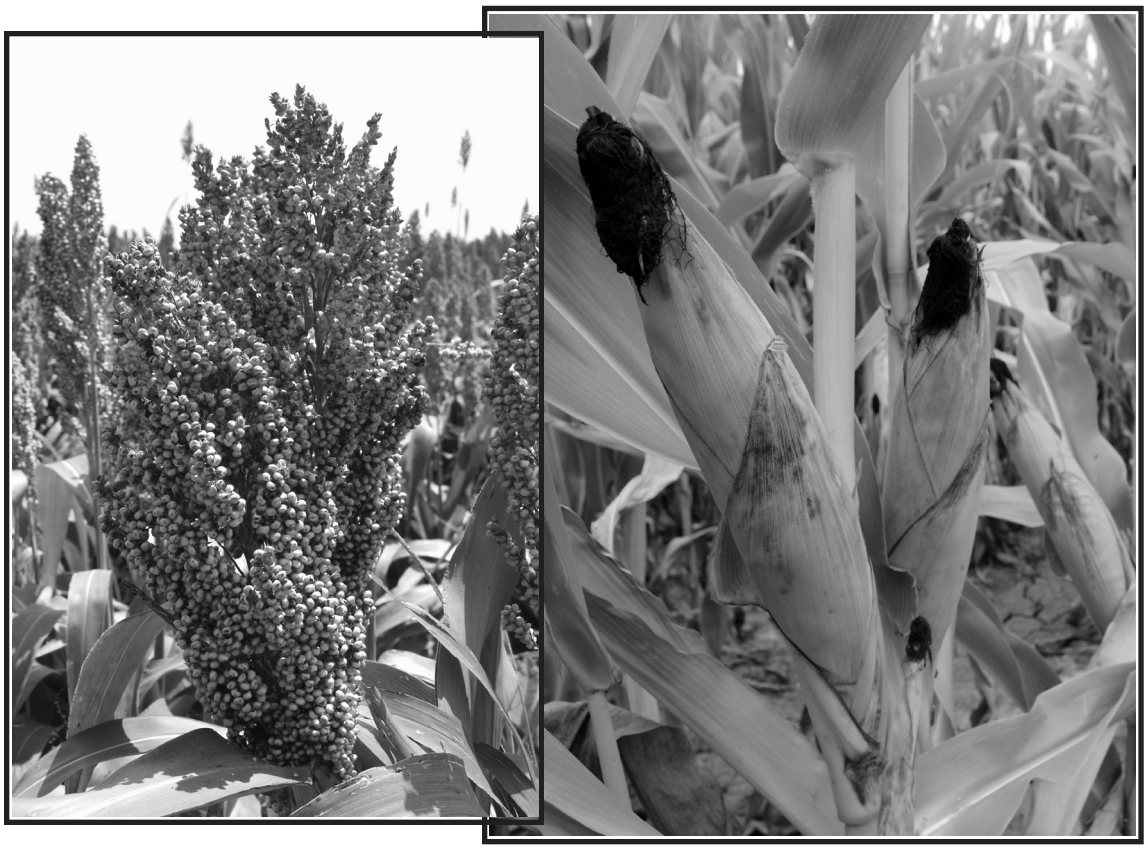

D.G. Dombek • R.D. Bond • I.L. Eldridge • R.M. Pryor

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ARKANSAS CORN AND GRAIN SORGHUM PERFORMANCE TESTS[1] 2009

D.G. Dombek[2], R.D. Bond[3], I.L. Eldridge[4] and R.M. Pryor[5]

INTRODUCTION

Corn and grain sorghum performance tests are conducted each year in Arkansas by the University of Arkansas 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 2009 corn performance tests contained 96 entries and were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Lon Mann Cotton Research Station (LMCRS) near Marianna, the Bell Farming Company near Des Arc, the Southeast Research and Extension Center - Rohwer Division (SEREC-RD) near Rohwer, and the Rice Research and Extension Center (RREC) near Stuttgart. The 2009 grain sorghum performance tests contained 23 entries and were conducted at the NEREC, the LMCRS, the SEREC-RD, and the RREC. Test location maps for grain sorghum and corn can be found on page 36 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.

[1]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.

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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 fitted tightly. A rating of average was given when the husks reached the tip of the ear or fitted 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 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, 2009[1,2].

Hybrid Name	Keiser[3] Irrigated	Keiser[3] Nonirrigated	Stuttgart Irrigated	Rohwer Irrigated	Rohwer Nonirrigated	Average
			……..bu./A……			
ASGROW A571	119.8	125.0	133.7	135.3	115.8	125.9
DEKALB DKS44-20	145.8	125.7	139.4	137.6	130.2	135.7
DEKALB DKS53-67	150.2	126.7	178.5	153.2	123.3	146.4
DEKALB DKS54-00	127.8	143.4	163.1	154.5	123.9	142.5
DEKALB DKS54-03	141.8	128.2	152.0	139.8	124.8	137.3
Dyna-Gro 751B	126.3	133.0	153.0	135.4	125.1	134.6
Dyna-Gro 771B	110.4	112.7	150.7	131.4	123.8	125.8
Dyna-Gro 772B	119.7	129.5	161.7	137.4	132.6	136.2
Dyna-Gro 778B	106.7	108.3	163.9	129.1	108.5	123.3
Dyna-Gro 780B	101.8	121.5	147.1	138.7	123.9	126.6
Garst 5464	118.9	126.2	144.9	138.4	131.4	132.0
Garst 5556	122.0	131.6	149.7	123.2	119.2	129.1
Golden Acres 3552	103.5	109.3	129.4	128.0	128.8	119.8
Golden Acres 3696	92.0	91.2	130.3	133.4	124.1	114.2
Pioneer 83G66	124.0	118.1	152.6	133.5	128.9	131.4
Pioneer 84G62	127.2	126.9	170.5	145.3	137.8	141.5
Terral TV93S72	86.2	103.8	101.3	128.2	106.3	105.2
Terral TV94S91	110.0	110.6	131.6	127.8	128.8	121.8
Terral TV96H81	120.2	126.7	148.1	137.0	124.9	131.4
Terral TV96H91	114.0	125.3	144.2	136.3	128.7	129.7
Terral TVX96H95	98.5	109.0	142.3	134.3	124.6	121.7
Triumph TR82-G	141.1	143.4	178.9	134.9	117.9	143.2
Triumph TRX85001	132.1	135.7	161.3	141.4	124.4	139.0
Grand Mean	119.1	122.2	149.1	136.2	124.3	130.2
L.S.D (0.05%)	22.8	13.9	19.4	9.9	15.2	•
C.V.	13.5	8.0	7.9	5.1	7.4	•

[1] Keiser = Northeast Research and Extension Center
Stuttgart = Rice Research and Extension Center
Rohwer = Southeast Research and Extension Center - Rohwer Division

[2] A grain sorghum test was established at the Lon Mann Cotton Research Station near Marianna.
The test was heavily infested with Sorghum Anthracnose which resulted in too much variability for the data to be reported.
Disease ratings and other information can be found at ArkansasVarietyTesting.com.
(Go to, "Corn & Grain Sorghum", then click to pull down, "Disease Ratings" menu.)

[3] Planting of tests at this location were delayed until May 18 due to repeated rains.
The yields of some hybrids were reduced substantially by bird damage. See Tables 2 and 3 for ratings.

Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, AR, 2009[1].

Brand/Hybrid	Yield bu./A	2-Year[2] Avg. bu./A	3-Year[3] Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches	Head Comp. Rating	Bird Damage %
DEKALB DKS53-67	150.2	141.9	157.7	16.3	55	6	3	11.3
DEKALB DKS44-20	145.8	148.5	•	16.1	56	6	3	11.3
DEKALB DKS54-03	141.8	141.7	•	15.8	58	7	3	11.3
Triumph TR82-G	141.1	135.9	155.4	16.3	58	5	1	7.5
Triumph TRX85001	132.1	•	•	16.1	62	7	1	5.0
DEKALB DKS54-00	127.8	137.7	154.7	15.9	58	8	3	5.0
Pioneer 84G62	127.2	139.8	159.7	15.7	55	5	3	21.3
Dyna-Gro 751B	126.3	130.6	147.3	16.0	59	9	1	16.3
Pioneer 83G66	124.0	136.2	•	15.6	59	5	3	25.0
Garst 5556	122.0	•	•	16.1	56	10	3	11.3
Terral TV96H81	120.2	124.2	139.7	16.0	60	5	2	18.8
ASGROW A571	119.8	129.7	149.3	15.5	53	6	2	16.3
Dyna-Gro 772B	119.7	127.6	145.0	15.7	61	10	3	23.8
Garst 5464	118.9	•	•	15.7	60	10	3	22.5
Terral TV96H91	114.0	126.1	143.9	16.6	58	7	3	25.0
Dyna-Gro 771B	110.4	122.9	138.3	15.3	56	5	3	32.5
Terral TV94S91	110.0	121.4	•	15.8	57	6	3	22.5
Dyna-Gro 778B	106.7	126.3	147.0	15.7	70	5	2	5.0
Golden Acres 3552	103.5	116.0	•	15.9	56	6	3	18.8
Dyna-Gro 780B	101.8	115.6	138.4	13.5	66	8	2	21.3
Terral TVX96H95	98.5	•	•	15.4	60	9	3	52.5
Golden Acres 3696	92.0	•	•	15.6	59	10	3	52.5
Terral TV93S72	86.2	106.0	120.3	15.5	56	11	3	43.8
Grand Mean	119.1	•	•	15.7	59	7	3	20.9
L.S.D (0.05%)	22.8	•	•	1.2	•	•	•	18.6
C.V.	13.5	•	•	5.4	•	•	•	63.1

[1] Planting of tests at this location were delayed until May 18 due to repeated rains.

[2] Average yield for 2008 and 2009

[3] Average yield for 2007,2008, and 2009

Soil Series	Sharkey clay
Soil pH	6.8
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Dual + Atrazine + Roundup, 5/19
Preplant Fertilizer	50-25-25, 5/18
Planting Date	5/18
Irrigation Dates	7/2, 7/9
Sidedress Fertilizer	100-0-0, 6/18
Herbicide Application(s)	Buctril + Atrazine, 6/18
Insecticide Application(s)	Karate, 8/1
Harvest Date	10/19

Precipitation (inches)

	April	May	June	July	August	September	Total
2009	4.4	7.1	5.0	8.3	2.9	3.2	30.9
Average	4.9	5.2	4.0	3.7	2.8	3.9	24.5
Departure	-0.5	1.9	1.0	4.6	0.1	-0.7	6.4

Table 3. Performance of Nonirrigated Grain Sorghum Hybrids, Keiser, AR, 2009[1].

Brand/Hybrid	Yield bu./A	2-Year[2] Avg. bu./A	3-Year[3] Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches	Head Comp. Rating	Bird Damage %
DEKALB DKS54-00	143.4	124.3	125.3	15.1	57	4	2	3.1
Triumph TR82-G	143.4	123.4	124.9	15.6	57	6	1	8.8
Triumph TRX85001	135.7	•	•	15.5	66	6	1	3.4
Dyna-Gro 751B	133.0	113.7	114.9	15.3	55	5	1	14.7
Garst 5556	131.6	•	•	15.4	49	6	3	16.7
Dyna-Gro 772B	129.5	119.7	112.5	14.9	54	4	3	22.5
DEKALB DKS54-03	128.2	121.0	•	14.8	53	6	3	12.1
Pioneer 84G62	126.9	123.1	120.0	14.9	53	2	3	21.3
DEKALB DKS53-67	126.7	121.9	119.4	15.2	51	5	2	13.1
Terral TV96H81	126.7	112.0	109.7	15.1	53	8	2	17.5
Garst 5464	126.2	•	•	14.8	54	6	3	21.3
DEKALB DKS44-20	125.7	115.4	•	15.1	53	9	2	20.0
Terral TV96H91	125.3	113.5	114.7	15.4	54	7	3	20.0
ASGROW A571	125.0	118.5	123.3	14.7	52	5	2	19.7
Dyna-Gro 780B	121.5	110.6	113.1	14.5	61	4	2	23.8
Pioneer 83G66	118.1	111.0	•	15.2	54	6	2	25.0
Dyna-Gro 771B	112.7	107.3	102.4	14.7	54	7	2	24.7
Terral TV94S91	110.6	105.6	•	15.1	53	4	2	28.1
Golden Acres 3552	109.3	103.3	•	15.2	53	5	2	23.8
Terral TVX96H95	109.0	•	•	14.7	50	3	3	28.8
Dyna-Gro 778B	108.3	102.3	107.3	14.9	68	5	2	5.0
Terral TV93S72	103.8	100.4	93.0	14.8	48	7	2	39.7
Golden Acres 3696	91.2	•	•	14.7	51	2	3	53.1
Grand Mean	122.2	•	•	15.0	55	5	2	20.3
L.S.D (0.05%)	13.9	•	•	0.3	0	0	0	10.6
C.V.	8.0	•	•	1.3	9	32	30	36.8

[1] Planting of tests at this location were delayed until May 18 due to repeated rains.

[2] Average yield for 2008 and 2009

[3] Average yield for 2007,2008, and 2009

Soil Series	Sharkey clay
Soil pH	6.8
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Dual + Atrazine + Roundup, 5/19
Preplant Fertilizer	50-25-25, 5/18
Planting Date	5/18
Sidedress Fertilizer	100-0-0, 6/18
Herbicide Application(s)	Buctril + Atrazine, 6/18
Insecticide Application(s)	Karate, 8/1
Harvest Date	10/19

Precipitation (inches)

	April	May	June	July	August	September	Total
2009	4.4	7.1	5.0	8.3	2.9	3.2	30.9
Average	4.9	5.2	4.0	3.7	2.8	3.9	24.5
Departure	-0.5	1.9	1.0	4.6	0.1	-0.7	6.4

Table 4. Performance of Irrigated Grain Sorghum Hybrids, Stuttgart, AR, 2009.

Brand/Hybrid	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 %
Triumph TR82-G	178.9	171.2	•	17.0	59	3	1	5
DEKALB DKS53-67	178.5	169.4	•	15.2	53	3	2	7
Pioneer 84G62	170.5	158.8	161.7	14.4	55	3	2	7
Dyna-Gro 778B	163.9	157.5	•	22.1	67	5	2	7
DEKALB DKS54-00	163.1	161.7	156.6	17.3	58	6	2	7
Dyna-Gro 772B	161.7	153.9	•	14.7	58	12	4	8
Triumph TRX85001	161.3	•	•	21.2	64	5	1	12
Dyna-Gro 751B	153.0	146.8	147.2	13.7	56	5	1	8
Pioneer 83G66	152.6	•	•	14.5	61	2	2	10
DEKALB DKS54-03	152.0	•	•	14.5	60	6	3	5
Dyna-Gro 771B	150.7	140.8	•	13.7	55	4	3	7
Garst 5556	149.7	•	•	13.9	51	4	2	8
Terral TV96H81	148.1	141.1	144.1	13.3	58	3	2	12
Dyna-Gro 780B	147.1	147.6	144.8	13.6	68	7	1	13
Garst 5464	144.9	•	•	16.1	56	7	3	12
Terral TV96H91	144.2	123.5	136.6	14.4	59	10	2	7
Terral TVX96H95	142.3	•	•	13.3	53	7	2	10
DEKALB DKS44-20	139.4	•	•	16.6	55	4	2	5
ASGROW A571	133.7	141.3	139.8	13.4	54	3	1	7
Terral TV94S91	131.6	•	•	12.4	54	4	2	8
Golden Acres 3696	130.3	•	•	13.8	49	4	3	20
Golden Acres 3552	129.4	•	•	13.0	55	4	2	15
Terral TV93S72	101.3	100.2	111.6	12.4	52	12	2	20
Grand Mean	149.1	•	•	15.0	57	5	2	10
L.S.D (0.05%)	19.4	•	•	3.3	•	•	•	7
C.V.	7.9	•	•	13.4	•	•	•	45

[1] Average yield for 2007 and 2009

[2] Average yield for 2006,2007, and 2009

Soil Series	Crowley silt loam
Soil pH	6.0
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	Bicep II Magnum, 4/26
Preplant Fertilizer	60-90-90, 3/25
Planting Date	4/23
Irrigation Dates	6/18, 6/23, 6/30, 7/9
Sidedress Fertilizer	250-0-0, 5/27, 6/9
Herbicide Application(s)	None
Insecticide Application(s)	Intrepid + Mustang Max, 6/29, Mustang Max, 7/7, 7/16
Harvest Date	9/3

Precipitation (inches)

	April	May	June	July	August	Total
2009	4.5	11.5	3.1	11.3	4.9	35.2
Average	5.6	4.7	3.6	3.4	2.8	20.1
Departure	-1.1	6.8	-0.5	7.9	2.1	15.1

Table 5. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, AR, 2009.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches
DEKALB DKS54-00	154.5	159.2	151.9	13.7	57	6
DEKALB DKS53-67	153.2	163.4	154.2	14.6	56	4
Pioneer 84G62	145.3	155.6	143.9	13.0	53	3
Triumph TRX85001	141.4	•	•	17.5	60	4
DEKALB DKS54-03	139.8	147.6	•	13.5	60	6
Dyna-Gro 780B	138.7	139.0	128.3	13.2	58	3
Garst 5464	138.4	•	•	13.3	57	6
DEKALB DKS44-20	137.6	150.7	•	14.0	56	6
Dyna-Gro 772B	137.4	141.1	134.5	14.1	62	8
Terral TV96H81	137.0	142.9	132.0	13.6	57	6
Terral TV96H91	136.3	147.5	138.9	13.6	57	5
Dyna-Gro 751B	135.4	137.6	125.1	13.4	55	4
ASGROW A571	135.3	148.4	139.7	12.7	52	5
Triumph TR82-G	134.9	139.6	128.3	13.7	59	4
Terral TVX96H95	134.3	•	•	12.9	54	4
Pioneer 83G66	133.5	143.8	•	15.0	58	4
Golden Acres 3696	133.4	•	•	13.2	56	6
Dyna-Gro 771B	131.4	139.7	130.7	13.2	54	3
Dyna-Gro 778B	129.1	106.7	116.4	17.3	62	4
Terral TV93S72	128.2	130.9	123.3	13.0	55	9
Golden Acres 3552	128.0	130.4	•	13.6	53	4
Terral TV94S91	127.8	130.8	•	13.4	54	5
Garst 5556	123.2	•	•	13.3	50	5
Grand Mean	136.2	•	•	13.8	56	5
L.S.D (0.05%)	9.9	•	•	1.0	•	•
C.V.	5.1	•	•	5.2	•	•

[1] Average yield for 2008 and 2009

[2] Average yield for 2007,2008, and 2009

Soil Series	Sharkey Desha silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Dual + Atrazine, 4/27
Preplant Fertilizer	92-65-194, 4/9
Planting Date	4/24
Irrigation Dates	6/15, 6/25, 7/1, 7/8
Sidedress Fertilizer	124-0-0 + Sulfur + Zinc, 6/1
Herbicide Application(s)	None
Insecticide Application(s)	Karate, 7/8, 7/27, 7/31
Harvest Date	8/27

Precipitation (inches)

	April	May	June	July	August	Total
2009	4.0	11.4	1.9	6.6	2.1	26.0
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-1.0	6.7	-1.6	2.7	-0.6	6.2

Table 6. Performance of Nonirrigated Grain Sorghum Hybrids, Rohwer, AR, 2009.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches	Bird Damage %
Pioneer 84G62	137.8	149.5	142.9	14.0	49	0	5.0
Dyna-Gro 772B	132.6	139.3	130.3	13.8	51	3	0.0
Garst 5464	131.4	•	•	14.0	49	3	0.0
DEKALB DKS44-20	130.2	144.4	•	14.4	47	2	0.0
Pioneer 83G66	128.9	133.0	•	15.2	50	0	0.0
Golden Acres 3552	128.8	131.5	•	15.3	44	1	0.0
Terral TV94S91	128.8	131.6	•	14.4	46	2	0.0
Terral TV96H91	128.7	135.6	131.2	14.7	49	3	0.0
Dyna-Gro 751B	125.1	125.8	119.7	13.9	46	0	0.0
Terral TV96H81	124.9	131.2	127.5	14.5	45	2	5.0
DEKALB DKS54-03	124.8	138.5	•	14.2	44	1	2.5
Terral TVX96H95	124.6	•	•	13.7	46	1	0.0
Triumph TRX85001	124.4	•	•	18.1	47	3	0.0
Golden Acres 3696	124.1	•	•	13.8	47	0	0.0
DEKALB DKS54-00	123.9	138.8	138.1	14.1	47	2	0.0
Dyna-Gro 780B	123.9	112.3	114.1	14.1	59	2	5.0
Dyna-Gro 771B	123.8	130.0	128.5	13.7	45	2	5.0
DEKALB DKS53-67	123.3	145.2	145.7	15.4	47	0	1.3
Garst 5556	119.2	•	•	14.3	48	3	0.0
Triumph TR82-G	117.9	116.4	115.3	14.2	44	1	0.0
ASGROW A571	115.8	133.7	131.7	13.4	44	1	5.0
Dyna-Gro 778B	108.5	102.4	112.1	16.0	45	1	1.3
Terral TV93S72	106.3	123.6	118.9	14.2	45	4	0.0
Grand Mean	124.3	•	•	14.5	47	2	1.3
L.S.D (0.05%)	15.2	•	•	1.1	•	•	•
C.V.	7.4	•	•	4.4	•	•	•

[1] Average yield for 2008 and 2009

[2] Average yield for 2007,2008, and 2009

Soil Series	Sharkey Desha silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Dual + Atrazine, 4/27
Preplant Fertilizer	92-65-194, 4/9
Planting Date	4/24
Sidedress Fertilizer	124-0-0 + Sulfur + Zinc, 6/1
Herbicide Application(s)	None
Insecticide Application(s)	Karate, 7/8, 7/27, 7/31
Harvest Date	8/27

Precipitation (inches)

	April	May	June	July	August	Total
2009	4.0	11.4	1.9	6.6	2.1	26.0
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-1.0	6.7	-1.6	2.7	-0.6	6.2

Table 7. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2009[1].

Hybrid Name	Keiser	Marianna	Stuttgart	Rohwer	Bell Farm	Average
			……..bu./A……..			
Early- to Mid-Season Hybrids						
A6479VT3	160.5	208.3	219.8	214.9	190.6	198.8
A6489VT3	179.0	211.5	229.9	221.5	197.0	207.8
A6522BtRR	174.3	191.0	235.5	212.6	170.6	196.8
A6533VT3	162.3	190.4	210.4	216.9	182.1	192.4
A6632VT3	195.0	212.5	233.5	250.8	183.0	215.0
A6633VT3	185.9	201.8	262.0	251.9	193.5	219.0
A6639VT3	210.0	187.6	207.3	214.8	178.8	199.7
Belle 1147VT3	157.1	189.8	207.0	174.9	176.1	181.0
Belle 1161VT3	193.3	199.7	211.9	212.3	200.8	203.6
Belle 1457VT3	180.2	195.0	251.0	209.8	182.2	203.6
Belle 1511C	196.0	203.9	239.4	210.3	199.8	209.9
Belle 1545VT3	174.8	205.1	232.0	238.3	185.9	207.2
Belle 1646VT3	195.9	214.2	227.4	225.0	173.5	207.2
Belle 1655VT3	217.4	184.8	226.0	231.9	206.2	213.3
Belle BX850VT3	209.8	176.8	267.0	233.9	201.2	217.7
Belle BX910RR	165.5	192.0	193.0	203.0	168.0	184.3
Belle BX913CV	164.2	186.3	200.1	225.6	168.3	188.9
Belle BX916VT3	176.5	199.8	237.6	223.7	189.9	205.5
Belle BX921VT3	187.4	185.0	221.7	219.5	193.8	201.5
Belle BX951VT3	174.3	188.3	189.5	191.5	159.8	180.7
Belle BX992CV	197.2	196.2	243.0	233.2	184.6	210.8
BH 8518VT3	196.4	198.7	232.3	220.1	182.4	206.0
BH 8668VT3	212.9	175.0	244.5	229.4	205.4	213.4
Croplan 6331VT3	170.1	201.8	235.6	217.6	191.6	203.3
Croplan 6818VT3	228.9	211.7	267.1	242.7	184.8	227.0
Croplan 6831RHXT	225.9	225.9	260.7	226.3	188.2	225.4
Croplan 7131VT3	196.1	216.8	239.0	242.0	194.9	217.8
Croplan 7505VT3	189.0	191.6	227.4	222.2	177.4	201.5
DEKALB DKC61-04(VT3)	184.5	192.6	221.3	207.5	165.4	194.3
DEKALB DKC61-69(VT3)	189.0	206.0	219.2	217.9	194.9	205.4
DEKALB DKC63-84(VT3)	207.8	212.0	244.5	234.7	201.9	220.2
DEKALB DKC64-79(VT3)	215.1	217.1	261.1	237.6	208.9	228.0
Dyna-Gro 57K58	199.2	229.8	253.2	240.4	178.9	220.3
Dyna-Gro 57V05	173.3	229.1	250.7	229.7	183.0	213.2
Dyna-Gro 57V21	207.3	207.0	244.4	227.2	193.1	215.8
Dyna-Gro 57V40	164.4	203.0	220.5	213.4	196.7	199.6
Dyna-Gro 57V44	172.3	213.8	230.8	227.0	198.5	208.5
Dyna-Gro 58V24	193.7	242.0	248.2	243.4	179.9	221.4
Dyna-Gro 58V72	238.3	206.6	266.8	240.1	205.1	231.4
Dyna-Gro V5373VT3	182.2	215.1	258.7	247.5	195.4	219.8

Table 7. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2009[1] continued.

Hybrid Name	Keiser	Marianna	Stuttgart	Rohwer	Bell Farm	Average
			……..bu./A……..			
Early- to Mid-Season Hybrids Continued						
Fielders Choice NG6846	174.4	207.3	202.8	207.2	176.7	193.7
Fielders Choice NG6866	224.7	205.1	207.7	224.4	185.0	209.4
Golden Acres 26Y23	193.0	203.5	255.4	236.2	182.4	214.1
Golden Acres 26Y37	207.0	208.3	253.0	234.9	207.8	222.2
MorCorn MC4507	208.7	201.9	253.1	231.0	209.6	220.9
Mycogen 2G847	189.4	190.5	215.6	212.5	171.8	196.0
Mycogen 2T699	205.2	213.3	237.4	222.6	212.0	218.1
Mycogen 2T826	190.2	220.4	231.8	247.8	166.6	211.4
Mycogen 2V732	224.7	217.4	252.3	213.6	206.3	222.9
NC+ 215-11VT3	194.6	212.8	235.7	208.0	185.4	207.3
NC+ 216-63VT3	144.1	191.2	173.1	202.7	186.4	179.5
NC+ 5393VT3	208.5	214.1	207.6	227.0	199.1	211.3
NC+ 5453VT3	183.0	214.3	240.9	227.3	194.4	212.0
NC+ 6082VT3	175.0	206.9	262.1	246.1	204.3	218.9
NK N68B-CB/LL/RW	191.1	203.5	230.5	230.0	173.9	205.8
NK N73V-3000GT	212.0	179.1	252.7	230.5	205.0	215.9
NK N78N-3000GT	211.0	192.0	230.4	199.9	190.7	204.8
Pioneer 33D49(HX1/LL/RR2)	203.9	210.4	257.9	271.6	201.7	229.1
Pioneer 33N58(HX1/LL/RR2)	196.8	214.7	258.1	236.2	177.8	216.7
Terral TV24R83	254.9	227.5	265.1	247.5	188.8	236.8
Terral TV25BR23	194.6	206.3	243.8	233.8	168.4	209.4
Terral TV25BR71	175.4	219.8	233.3	224.0	174.1	205.3
Terral TV25R31	195.8	193.1	225.0	229.7	161.3	201.0
Terral TV25TR29	189.0	225.8	238.3	240.4	177.3	214.2
Terral TV25TR59	201.2	200.6	222.8	244.9	175.5	209.0
Terral TV26BR41	197.3	220.8	242.9	225.4	188.6	215.0
Terral TV26TR41	196.3	225.1	233.2	219.2	198.6	214.5
Terral-REVTM 25HR39	186.7	214.9	245.1	226.7	207.4	216.2
Terral-REVTM 25HR49	208.8	201.8	251.4	214.6	208.2	217.0
Terral-REVTM 26HR50	222.5	211.8	262.0	260.4	183.3	228.0
Terral-REVTM 26HR70	221.3	211.3	232.6	217.7	194.9	215.6
Terral-REVTM 26R60	202.4	226.9	234.2	230.3	199.6	218.7
Triumph TRX91522	181.1	180.8	203.9	208.2	169.2	188.6
Grand Mean	194.1	205.3	235.1	226.2	188.3	209.8
L.S.D (0.05%)	32.9	22.0	20.4	23.7	20.4	•
C.V.	12.2	7.7	6.2	6.5	7.8	•

Table 7. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2009[1] continued.

Hybrid Name	Keiser	Marianna	Stuttgart	Rohwer	Bell Farm	Average
			bu./A			
Mid- to Full-Season Hybrids						
Belle 1844RY	225.3	211.6	253.0	230.1	219.6	227.9
Belle 1868VT3	229.8	198.4	242.4	215.3	218.7	220.9
Belle BX918R	203.7	198.8	267.8	213.9	243.9	225.6
BH 8895VT3	161.9	218.5	227.6	233.4	195.8	207.4
BH 8928VT3	217.8	186.6	228.7	241.5	218.5	218.6
Croplan 8756VT3	244.1	212.9	279.4	242.7	217.6	239.3
DEKALB DKC67-23(RR2/YGCB)	196.5	213.2	231.7	225.3	208.6	215.1
DEKALB DKC67-87(RR2/YGCB)	195.9	219.7	240.9	260.9	227.8	229.0
DEKALB DKC68-06(RR2/YGCB)	152.6	200.9	222.9	192.5	191.4	192.1
DEKALB DKC69-40(VT3)	162.6	200.8	238.0	224.6	212.6	207.7
Dyna-Gro 58K40	163.9	210.8	220.2	206.0	191.2	198.4
Dyna-Gro 58V50	181.8	215.2	249.7	228.0	182.7	211.5
Dyna-Gro V6263VT3	171.3	210.1	236.7	221.7	195.6	207.1
Fielders Choice NG6893	169.3	198.6	223.5	223.3	189.8	200.9
Golden Acres 27Z07	170.0	228.7	246.9	259.4	193.5	219.7
Golden Acres 28V87	229.1	195.5	238.8	253.4	236.6	230.7
Pioneer 31D59(HX1/LL/RR2)	225.7	216.4	266.9	234.3	214.6	231.6
Pioneer 31P42(HX1/LL/RR2)	215.6	206.9	274.1	219.8	219.7	227.2
Pioneer P2023HR(HX1/LL/RR2)	225.3	228.8	294.2	273.3	224.0	249.1
Terral TV27TR79	254.7	226.7	263.7	243.5	220.7	241.9
Terral-REVTM 28HR20	202.4	217.8	293.9	268.4	222.9	241.1
Terral-REVTM 28R30	216.1	224.7	270.0	248.2	245.4	240.9
Triumph 1802VT3	245.3	219.8	280.5	229.6	219.8	239.0
Grand Mean	202.6	211.3	251.8	234.3	213.5	222.7
L.S.D (0.05%)	35.8	25.0	24.5	26.4	19.6	•
C.V.	12.5	8.4	6.9	6.8	6.5	•

[1] Keiser = Notheast Research and Extension Center
Marianna = Lon Mann Cotton Research Station
Stuttgart = Rice Research and Extension Center
Rohwer = Southeast Research and Extension Center - Rohwer Division
Bell Farm = Bell Farming Company, Prairie County

Table 8. Performance of Irrigated Corn Hybrids, Keiser, AR, 2009.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids								
Terral TV24R83	254.9	237.3	•	17.2	0.0	0.0	38	31380
Dyna-Gro 58V72	238.3	•	•	16.9	0.0	0.0	31	30865
Croplan 6818VT3	228.9	213.5	213.4	17.7	0.0	0.0	33	39634
Croplan 6831RHXT	225.9	207.8	•	17.9	0.0	0.0	36	33702
Fielders Choice NG6866	224.7	•	•	17.2	0.0	0.0	33	32154
Mycogen 2V732	224.7	•	•	16.7	0.0	0.0	26	32326
Terral-REVTM 26HR50	222.5	•	•	18.2	0.0	0.0	37	30865
Terral-REVTM 26HR70	221.3	•	•	16.8	0.0	0.0	42	31638
Belle 1655VT3	217.4	•	•	17.5	0.0	0.0	40	31724
DEKALB DKC64-79(VT3)	215.1	211.3	•	17.6	0.0	0.0	32	33186
BH 8668VT3	212.9	•	•	16.0	0.0	0.0	35	30865
NK N73V-3000GT	212.0	•	•	16.2	0.0	0.0	40	31295
NK N78N-3000GT	211.0	200.2	•	17.0	0.0	0.0	29	29833
A6639VT3	210.0	•	•	17.7	0.0	0.0	32	33272
Belle BX850VT3	209.8	•	•	17.4	0.0	0.0	38	30521
Terral-REVTM 25HR49	208.8	•	•	17.4	0.0	0.0	34	30693
MorCorn MC4507	208.7	222.7	•	17.1	0.0	0.0	33	26652
NC+ 5393VT3	208.5	206.4	•	17.3	0.0	0.0	34	33874
DEKALB DKC63-84(VT3)	207.8	•	•	17.3	0.0	0.0	34	33616
Dyna-Gro 57V21	207.3	213.1	•	17.8	0.0	0.0	29	33014
Golden Acres 26Y37	207.0	•	•	16.5	0.0	0.0	35	30951
Mycogen 2T699	205.2	•	•	16.5	0.0	0.0	32	33530
Pioneer 33D49(HX1/LL/RR2)	203.9	•	•	17.4	0.0	0.0	35	33530
Terral-REVTM 26R60	202.4	•	•	17.4	0.0	0.0	33	30177
Terral TV25TR59	201.2	•	•	17.9	0.0	0.0	37	31982
Dyna-Gro 57K58	199.2	192.5	201.7	16.5	0.0	0.0	37	30349
Terral TV26BR41	197.3	184.8	191.6	17.5	0.0	0.0	35	28629
Belle BX992CV	197.2	•	•	17.1	0.0	0.0	32	28973
Pioneer 33N58(HX1/LL/RR2)	196.8	205.8	209.8	17.7	0.0	0.0	29	32069
BH 8518VT3	196.4	•	•	17.8	0.0	0.0	29	29575
Terral TV26TR41	196.3	197.5	•	18.4	0.0	0.0	33	31982
Croplan 7131VT3	196.1	•	•	18.1	0.0	0.0	32	33959
Belle 1511C	196.0	•	•	17.1	0.0	0.0	33	27562
Belle 1646VT3	195.9	196.8	209.5	16.9	0.0	0.0	36	27684
Terral TV25R31	195.8	188.6	185.5	18.7	0.0	0.0	37	27856
A6632VT3	195.0	•	•	17.1	0.0	0.0	31	32326
NC+ 215-11VT3	194.6	•	•	18.1	0.0	0.0	35	33444
Terral TV25BR23	194.6	193.3	207.1	17.0	0.0	0.0	38	30659
Dyna-Gro 58V24	193.7	195.1	•	17.8	0.0	0.0	33	29510
Belle 1161VT3	193.3	•	•	17.4	0.0	0.0	27	30349
Golden Acres 26Y23	193.0	•	•	16.8	0.0	0.0	34	33272
NK N68B-CB/LL/RW	191.1	185.0	•	16.9	0.0	0.0	23	29489
Mycogen 2T826	190.2	163.2	•	17.5	0.0	0.0	27	30865

Table 8. Performance of Irrigated Corn Hybrids, Keiser, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids Continued								
Mycogen 2G847	189.4	•	•	17.5	0.0	0.0	34	30951
Croplan 7505VT3	189.0	198.9	205.0	18.0	0.0	0.0	37	34561
DEKALB DKC61-69(VT3)	189.0	199.5	•	17.2	0.0	0.0	32	33530
Terral TV25TR29	189.0	•	•	17.4	0.0	0.0	35	28973
Belle BX921VT3	187.4	•	•	17.4	0.0	0.0	31	28597
Terral-REVTM 25HR39	186.7	•	•	16.7	0.0	0.0	43	28801
A6633VT3	185.9	202.2	209.0	17.2	0.0	0.0	29	31724
DEKALB DKC61-04(VT3)	184.5	•	•	17.4	0.0	0.0	28	28027
NC+ 5453VT3	183.0	193.4	•	17.9	0.0	0.0	33	32068
Dyna-Gro V5373VT3	182.2	•	•	17.3	0.0	0.0	34	28715
Triumph TRX91522	181.1	•	•	16.9	0.0	0.0	34	29747
Belle 1457VT3	180.2	•	•	17.3	0.0	0.0	30	30435
A6489VT3	179.0	190.4	•	16.5	0.0	0.0	32	30607
Belle BX916VT3	176.5	•	•	17.5	0.0	0.0	34	28544
Terral TV25BR71	175.4	173.8	172.1	17.2	0.0	0.0	44	25889
NC+ 6082VT3	175.0	•	•	17.0	0.0	0.0	31	34820
Belle 1545VT3	174.8	192.1	206.3	16.8	0.0	0.0	33	27684
Fielders Choice NG6846	174.4	•	•	17.1	0.0	0.0	35	28113
A6522BtRR	174.3	•	•	17.1	0.0	0.0	30	31553
Belle BX951VT3	174.3	•	•	17.1	0.0	0.0	29	31209
Dyna-Gro 57V05	173.3	183.3	•	18.6	0.0	0.0	33	28887
Dyna-Gro 57V44	172.3	197.5	•	17.1	0.0	0.0	34	30177
Croplan 6331VT3	170.1	•	•	17.5	0.0	0.0	33	35335
Belle BX910RR	165.5	•	•	17.0	0.0	0.0	36	27770
Dyna-Gro 57V40	164.4	•	•	16.8	0.0	0.0	33	28199
Belle BX913CV	164.2	•	•	17.1	0.0	0.0	23	31638
A6533VT3	162.3	•	•	17.5	0.0	0.0	24	30349
A6479VT3	160.5	186.2	195.1	17.5	0.0	0.0	37	29833
Belle 1147VT3	157.1	170.0	196.3	16.7	0.0	0.0	30	28285
NC+ 216-63VT3	144.1	•	•	17.0	0.0	0.0	33	28200
Grand Mean	194.1	•	•	17.3	0.0	0.0	33	30864
L.S.D (0.05%)	32.9	•	•	1.1	•	•	•	2875
C.V.	12.2	•	•	4.6	•	•	•	7
Mid- to Full-Season Hybrids								
Terral TV27TR79	254.7	•	•	17.3	0.0	0.0	43	34475
Triumph 1802VT3	245.3	247.0	•	18.5	0.0	0.0	37	27598
Croplan 8756VT3	244.1	•	•	17.9	0.0	0.0	39	35937
Belle 1868VT3	229.8	•	•	17.6	0.0	0.0	38	29567
Golden Acres 28V87	229.1	•	•	17.8	0.0	0.0	37	33100
Pioneer 31D59(HX1/LL/RR2)	225.7	•	•	17.6	0.0	0.0	33	31208
Belle 1844RY	225.3	223.9	247.7	18.7	0.0	0.0	38	31638

Table 8. Performance of Irrigated Corn Hybrids, Keiser, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Mid- to Full-Season Hybrids Continued								
Pioneer P2023HR(HX1/LL/RR2)	225.3	•	•	17.5	0.0	0.0	34	32068
BH 8928VT3	217.8	•	•	18.1	0.0	0.0	39	33530
Terral-REVTM 28R30	216.1	•	•	17.8	0.0	0.0	39	32584
Pioneer 31P42(HX1/LL/RR2)	215.6	211.2	•	18.5	0.0	0.0	35	32498
Belle BX918R	203.7	•	•	18.2	0.0	0.0	35	31016
Terral-REVTM 28HR20	202.4	•	•	17.7	0.0	0.0	43	30521
DEKALB DKC67-23(RR2/YGCB)	196.5	203.6	209.6	17.7	0.0	0.0	37	32043
DEKALB DKC67-87(RR2/YGCB)	195.9	203.8	•	17.3	0.0	0.0	40	31123
Dyna-Gro 58V50	181.8	•	•	18.0	0.0	0.0	40	31552
Dyna-Gro V6263VT3	171.3	•	•	16.8	0.0	0.0	39	30091
Golden Acres 27Z07	170.0	163.7	•	17.4	0.0	0.0	34	32498
Fielders Choice NG6893	169.3	•	•	17.4	0.0	0.0	31	31810
Dyna-Gro 58K40	163.9	171.9	186.7	17.5	0.0	0.0	41	31699
DEKALB DKC69-40(VT3)	162.6	178.0	•	17.8	0.0	0.0	35	33100
BH 8895VT3	161.9	177.9	•	16.6	0.0	0.0	34	30435
DEKALB DKC68-06(RR2/YGCB)	152.6	•	•	18.0	0.0	0.0	31	32960
Grand Mean	202.6	•	•	17.7	0.0	0.0	37	31872
L.S.D (0.05%)	35.8	•	•	1.3	•	•	•	3257
C.V.	12.5	•	•	5.0	•	•	•	7

[1] Average yield for 2008 and 2009

[2] Average yield for 2007,2008, and 2009

Soil Series	Sharkey clay
Soil pH	6.8
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	None
Preplant Fertilizer	100-50-50, 5/18
Planting Date	4/27
Irrigation Dates	6/30, 7/13
Sidedress Fertilizer	115-0-0, 6/2, 115-0-0, 6/8
Herbicide Application(s)	Atrazine 4L + Dual II Magnum, 5/15, Accent, 5/20, Buctril + Atrazine 4L, 6/9
Insecticide Application(s)	Intrepid, 8/2, Intrepid, 8/16
Harvest Date	9/29

Precipitation (inches)

	April	May	June	July	August	September	Total
2009	4.4	7.1	5.0	8.3	2.9	3.2	30.9
Average	4.9	5.2	4.0	3.7	2.8	3.9	24.5
Departure	-0.5	1.9	1.0	4.6	0.1	-0.7	6.4

Table 9. Performance of Irrigated Corn Hybrids, Marianna, AR, 2009.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids								
Dyna-Gro 58V24	242.0	250.2	•	17.3	0.0	0.0	36	32503
Dyna-Gro 57K58	229.8	244.4	247.0	17.2	0.0	0.0	30	33070
Dyna-Gro 57V05	229.1	249.7	•	17.9	0.0	0.0	39	35072
Terral TV24R83	227.5	248.3	•	15.7	1.0	1.0	45	33396
Terral-REVTM 26R60	226.9	•	•	17.6	0.0	0.0	41	33284
Croplan 6831RHXT	225.9	231.0	•	17.7	0.0	1.0	37	35795
Terral TV25TR29	225.8	•	•	17.5	0.0	0.0	36	35602
Terral TV26TR41	225.1	242.8	•	18.4	0.0	0.0	34	33230
Terral TV26BR41	220.8	240.6	243.6	18.3	0.0	0.0	33	33723
Mycogen 2T826	220.4	239.3	•	19.1	0.0	0.0	34	31144
Terral TV25BR71	219.8	229.2	231.4	19.4	0.0	1.0	41	32475
Mycogen 2V732	217.4	•	•	15.8	0.0	0.0	39	36524
DEKALB DKC64-79(VT3)	217.1	238.5	•	16.5	0.0	0.0	37	34604
Croplan 7131VT3	216.8	•	•	18.4	0.0	0.0	38	36106
Dyna-Gro V5373VT3	215.1	•	•	18.0	0.0	0.0	39	34513
Terral-REVTM 25HR39	214.9	•	•	17.6	0.0	0.0	46	32056
Pioneer 33N58(HX1/LL/RR2)	214.7	233.3	239.8	16.6	0.0	0.0	45	33284
NC+ 5453VT3	214.3	217.4	•	16.4	0.0	0.0	40	36970
Belle 1646VT3	214.2	236.1	250.4	15.8	0.0	0.0	41	31293
NC+ 5393VT3	214.1	232.2	•	17.1	0.0	0.0	34	35183
Dyna-Gro 57V44	213.8	224.1	•	14.9	0.0	0.0	36	34737
Mycogen 2T699	213.3	•	•	13.8	0.0	1.0	38	34753
NC+ 215-11VT3	212.8	•	•	17.2	0.0	0.0	40	36970
A6632VT3	212.5	•	•	17.0	0.0	0.0	38	33731
DEKALB DKC63-84(VT3)	212.0	•	•	15.0	0.0	1.0	32	37194
Terral-REVTM 26HR50	211.8	•	•	18.7	0.0	0.0	36	33071
Croplan 6818VT3	211.7	238.8	243.1	17.1	0.0	0.0	34	39874
A6489VT3	211.5	225.2	•	15.1	0.0	0.0	38	34066
Terral-REVTM 26HR70	211.3	•	•	17.6	0.0	0.0	41	33173
Pioneer 33D49(HX1/LL/RR2)	210.4	•	•	17.9	0.0	0.0	32	32838
A6479VT3	208.3	221.4	226.4	15.4	0.0	0.0	40	32336
Golden Acres 26Y37	208.3	•	•	15.8	0.0	0.0	36	36189
Fielders Choice NG6846	207.3	•	•	15.8	0.0	0.0	36	32279
Dyna-Gro 57V21	207.0	230.1	•	18.9	0.0	0.0	35	33843
NC+ 6082VT3	206.9	•	•	17.8	0.0	0.0	38	34513
Dyna-Gro 58V72	206.6	•	•	15.6	0.0	0.0	40	33676
Terral TV25BR23	206.3	226.6	232.4	15.9	0.0	1.0	33	35295
DEKALB DKC61-69(VT3)	206.0	222.0	•	14.6	0.0	0.0	37	35854
Belle 1545VT3	205.1	229.7	236.6	18.0	0.0	1.0	39	32614
Fielders Choice NG6866	205.1	•	•	16.5	0.0	0.0	37	32922
Belle 1511C	203.9	•	•	16.8	0.0	0.0	49	32038
Golden Acres 26Y23	203.5	•	•	17.1	0.0	0.0	35	37975
NK N68B-CB/LL/RW	203.5	215.9	•	14.5	0.0	0.0	29	32681

Table 9. Performance of Irrigated Corn Hybrids, Marianna, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids Continued								
Dyna-Gro 57V40	203.0	•	•	16.0	0.0	0.0	31	32614
MorCorn MC4507	201.9	223.0	•	15.3	0.0	0.0	38	33061
A6633VT3	201.8	227.7	235.5	17.1	0.0	0.0	36	33426
Croplan 6331VT3	201.8	•	•	17.7	0.0	0.0	28	36970
Terral-REVTM 25HR49	201.8	•	•	16.3	0.0	0.0	41	32279
Terral TV25TR59	200.6	•	•	18.4	0.0	1.0	35	35742
Belle BX916VT3	199.8	•	•	18.8	0.0	0.0	40	31591
Belle 1161VT3	199.7	•	•	15.2	0.0	0.0	38	32167
BH 8518VT3	198.7	•	•	17.8	0.0	0.0	36	32838
Belle BX992CV	196.2	•	•	17.8	0.0	0.0	42	31386
Belle 1457VT3	195.0	•	•	17.6	0.0	0.0	44	30939
Terral TV25R31	193.1	212.4	222.8	19.5	0.0	1.0	36	31609
DEKALB DKC61-04(VT3)	192.6	•	•	15.9	0.0	0.0	42	32475
Belle BX910RR	192.0	•	•	15.1	0.0	1.0	39	32056
NK N78N-3000GT	192.0	228.7	•	19.0	0.0	0.0	42	32336
Croplan 7505VT3	191.6	212.3	219.5	16.6	0.0	0.0	38	37529
NC+ 216-63VT3	191.2	•	•	16.3	0.0	0.0	38	31497
A6522BtRR	191.0	•	•	16.2	0.0	0.0	40	33731
Mycogen 2G847	190.5	•	•	17.6	0.0	0.0	37	34736
A6533VT3	190.4	•	•	14.3	0.0	0.0	32	32336
Belle 1147VT3	189.8	217.0	227.1	14.7	0.0	0.0	39	31162
Belle BX951VT3	188.3	•	•	15.8	0.0	0.0	32	33666
A6639VT3	187.6	•	•	17.0	0.0	0.0	34	34021
Belle BX913CV	186.3	•	•	14.3	0.0	0.0	32	32614
Belle BX921VT3	185.0	•	•	15.0	0.0	0.0	40	32391
Belle 1655VT3	184.8	•	•	17.2	0.0	0.0	41	32950
Triumph TRX91522	180.8	•	•	16.8	0.0	0.0	39	31889
NK N73V-3000GT	179.1	•	•	16.1	0.0	3.0	43	31386
Belle BX850VT3	176.8	•	•	16.6	0.0	0.0	32	32038
BH 8668VT3	175.0	•	•	15.2	0.0	1.0	36	33220
Grand Mean	205.3	•	•	16.7	0.0	0.2	38	33686
L.S.D (0.05%)	22.0	•	•	1.3	•	•	•	1953
C.V.	7.7	•	•	5.6	•	•	•	4
Mid- to Full-Season Hybrids								
Pioneer P2023HR(HX1/LL/RR2)	228.8	•	•	19.3	0.0	0.0	34	36523
Golden Acres 27Z07	228.7	242.5	•	17.2	0.0	0.0	37	38422
Terral TV27TR79	226.7	•	•	19.3	0.0	0.0	45	35630
Terral-REVTM 28R30	224.7	•	•	20.3	0.0	0.0	46	33285
Triumph 1802VT3	219.8	234.4	•	19.1	0.0	0.0	45	34432
DEKALB DKC67-87(RR2/YGCB)	219.7	240.3	•	18.5	0.0	1.0	46	36076
BH 8895VT3	218.5	236.0	•	17.4	0.0	0.0	38	35295

Table 9. Performance of Irrigated Corn Hybrids, Marianna, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Mid- to Full-Season Hybrids Continued								
Terral-REVTM 28HR20	217.8	•	•	19.7	0.0	0.0	43	35072
Pioneer 31D59(HX1/LL/RR2)	216.4	•	•	19.7	0.0	0.0	38	34066
Dyna-Gro 58V50	215.2	•	•	19.8	0.0	0.0	45	35407
DEKALB DKC67-23(RR2/YGCB)	213.2	230.8	242.4	18.5	0.0	0.0	41	33843
Croplan 8756VT3	212.9	•	•	19.1	0.0	0.0	41	37864
Belle 1844RY	211.6	215.3	226.5	19.0	0.0	0.0	42	34290
Dyna-Gro 58K40	210.8	226.5	228.2	19.0	0.0	0.0	43	32279
Dyna-Gro V6263VT3	210.1	•	•	19.7	0.0	0.0	42	33843
Pioneer 31P42(HX1/LL/RR2)	206.9	236.1	•	19.4	0.0	0.0	36	34848
DEKALB DKC68-06(RR2/YGCB)	200.9	•	•	18.8	0.0	0.0	36	35673
DEKALB DKC69-40(VT3)	200.8	214.1	•	18.2	0.0	0.0	37	35822
Belle BX918R	198.8	•	•	19.1	1.0	0.0	44	33061
Fielders Choice NG6893	198.6	•	•	18.1	0.0	0.0	35	35949
Belle 1868VT3	198.4	•	•	19.3	0.0	0.0	38	32645
Golden Acres 28V87	195.5	•	•	17.9	0.0	0.0	41	37805
BH 8928VT3	186.6	•	•	19.0	0.0	0.0	42	36412
Grand Mean	211.3	•	•	18.9	0.1	0.1	41	35154
L.S.D (0.05%)	25.0	•	•	1.3	0.5	0.5	•	2506
C.V.	8.4	•	•	4.8	•	•	•	5

[1] Average yield for 2008 and 2009

[2] Average yield for 2007,2008, and 2009

Soil Series	Calloway silt loam
Soil pH	7.2
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	Round-up + Dual Magnum, 4/24
Preplant Fertilizer	27-69-150, 4/2
Planting Date	4/23
Irrigation Dates	7/1, 7/10, 8/15
Sidedress Fertilizer	250-0-0, 5/22
Harvest Date	9/9

Precipitation (inches)

	April	May	June	July	August	Total
2009	3.8	13.0	3.5	8.6	2.5	31.4
Average	5.4	5.2	3.4	4.0	2.8	20.8
Departure	-1.6	7.8	0.1	4.6	-0.3	10.6

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, AR, 2009.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Tip[3] Cover	Plants Per Acre
Early- to Mid-Season Hybrids									
Croplan 6818VT3	267.1	237.6	225.7	14.7	0.0	1.0	47	2	40210
Belle BX850VT3	267.0	•	•	14.3	0.0	2.0	50	1	32279
Dyna-Gro 58V72	266.8	•	•	14.2	0.0	2.0	57	1	33173
Terral TV24R83	265.1	235.0	•	14.0	0.0	1.0	55	2	34736
NC+ 6082VT3	262.1	•	•	14.2	0.0	1.0	41	2	33620
A6633VT3	262.0	232.0	224.6	14.3	0.0	2.0	43	1	34737
Terral-REVTM 26HR50	262.0	•	•	15.0	0.0	1.0	46	3	33173
DEKALB DKC64-79(VT3)	261.1	226.5	•	14.1	0.0	1.0	43	2	33437
Croplan 6831RHXT	260.7	214.1	•	14.9	0.0	1.0	46	3	34848
Dyna-Gro V5373VT3	258.7	•	•	15.2	0.0	1.0	46	1	35518
Pioneer 33N58(HX1/LL/RR2)	258.1	226.2	226.6	14.3	0.0	1.0	45	2	33396
Pioneer 33D49(HX1/LL/RR2)	257.9	•	•	15.5	0.0	0.0	49	2	35295
Golden Acres 26Y23	255.4	•	•	15.0	0.0	2.0	52	2	36523
Dyna-Gro 57K58	253.2	209.5	216.1	14.3	0.0	1.0	50	3	33843
MorCorn MC4507	253.1	225.7	•	14.9	0.0	2.0	57	1	33620
Golden Acres 26Y37	253.0	•	•	13.7	0.0	4.0	49	3	32838
NK N73V-3000GT	252.7	•	•	14.2	0.0	1.0	54	2	32391
Mycogen 2V732	252.3	•	•	13.1	0.0	2.0	51	2	34178
Terral-REVTM 25HR49	251.4	•	•	14.3	0.0	2.0	47	2	32950
Belle 1457VT3	251.0	•	•	14.5	0.0	0.0	41	2	34776
Dyna-Gro 57V05	250.7	214.1	•	15.1	0.0	3.0	48	2	33620
Dyna-Gro 58V24	248.2	209.7	•	15.0	0.0	0.0	46	1	32056
Terral-REVTM 25HR39	245.1	•	•	14.0	0.0	0.0	58	1	33396
BH 8668VT3	244.5	•	•	13.6	0.0	4.0	53	1	31162
DEKALB DKC63-84(VT3)	244.5	•	•	13.0	0.0	2.0	49	3	34960
Dyna-Gro 57V21	244.4	229.4	•	14.6	0.0	1.0	43	1	32483
Terral TV25BR23	243.8	213.5	213.0	14.4	0.0	1.0	47	1	34736
Belle BX992CV	243.0	•	•	14.5	0.0	1.0	45	2	28969
Terral TV26BR41	242.9	205.0	206.7	15.7	0.0	1.0	47	2	31721
NC+ 5453VT3	240.9	221.4	•	14.3	0.0	2.0	55	2	35630
Belle 1511C	239.4	•	•	13.7	0.0	4.0	50	2	33586
Croplan 7131VT3	239.0	•	•	15.3	0.0	1.0	47	1	35522
Terral TV25TR29	238.3	•	•	15.0	0.0	3.0	44	1	35854
Belle BX916VT3	237.6	•	•	14.9	0.0	2.0	55	2	31050
Mycogen 2T699	237.4	•	•	12.5	0.0	3.0	50	2	31609
NC+ 215-11VT3	235.7	•	•	15.1	0.0	0.0	46	2	36091
Croplan 6331VT3	235.6	•	•	13.9	0.0	2.0	39	2	35295
A6522BtRR	235.5	•	•	14.2	0.0	1.0	47	2	35183
Terral-REVTM 26R60	234.2	•	•	14.5	0.0	1.0	48	2	29599
A6632VT3	233.5	•	•	14.8	0.0	3.0	46	2	36564
Terral TV25BR71	233.3	204.6	204.6	15.1	0.0	1.0	47	2	32056
Terral TV26TR41	233.2	214.1	•	15.5	0.0	0.0	49	1	30827
Terral-REVTM 26HR70	232.6	•	•	14.8	0.0	3.0	52	2	30269

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Tip[3] Cover	Plants Per Acre
Early- to Mid-Season Hybrids Continued									
BH 8518VT3	232.3	•	•	13.9	0.0	5.0	52	3	34122
Belle 1545VT3	232.0	198.9	202.0	15.0	0.0	3.0	47	1	31162
Mycogen 2T826	231.8	208.4	•	15.2	0.0	1.0	49	2	30492
Dyna-Gro 57V44	230.8	209.8	•	12.9	0.0	4.0	48	2	31721
NK N68B-CB/LL/RW	230.5	190.6	•	13.4	0.0	0.0	39	1	33285
NK N78N-3000GT	230.4	192.2	•	16.0	0.0	3.0	45	1	30308
A6489VT3	229.9	217.3	•	14.0	0.0	0.0	47	3	34178
Belle 1646VT3	227.4	187.8	200.1	14.4	0.0	1.0	44	3	31274
Croplan 7505VT3	227.4	208.1	201.4	13.8	0.0	3.0	47	2	33061
Belle 1655VT3	226.0	•	•	14.9	0.0	3.0	53	1	28482
Terral TV25R31	225.0	211.1	209.5	15.7	0.0	0.0	50	3	30756
Terral TV25TR59	222.8	•	•	15.4	4.0	2.0	46	1	34926
Belle BX921VT3	221.7	•	•	13.1	0.0	2.0	48	2	31721
DEKALB DKC61-04(VT3)	221.3	•	•	13.5	0.0	0.0	49	3	34453
Dyna-Gro 57V40	220.5	•	•	14.1	0.0	3.0	45	1	33396
A6479VT3	219.8	208.4	212.5	13.5	0.0	6.0	53	2	28147
DEKALB DKC61-69(VT3)	219.2	210.2	•	12.7	0.0	2.0	47	3	36635
Mycogen 2G847	215.6	•	•	13.9	0.0	3.0	44	2	32168
Belle 1161VT3	211.9	•	•	13.4	0.0	5.0	39	3	31497
A6533VT3	210.4	•	•	12.6	0.0	2.0	45	2	32838
Fielders Choice NG6866	207.7	•	•	13.9	0.0	10.0	50	2	28816
NC+ 5393VT3	207.6	193.0	•	14.1	0.0	4.0	42	2	32391
A6639VT3	207.3	•	•	13.5	0.0	5.0	46	2	29822
Belle 1147VT3	207.0	188.9	192.7	13.3	0.0	3.0	46	2	31832
Triumph TRX91522	203.9	•	•	14.1	0.0	1.0	44	1	32726
Fielders Choice NG6846	202.8	•	•	12.8	0.0	6.0	49	2	30045
Belle BX913CV	200.1	•	•	12.6	0.0	3.0	46	2	33508
Belle BX910RR	193.0	•	•	12.5	0.0	0.0	48	3	33843
Belle BX951VT3	189.5	•	•	13.4	0.0	11.0	44	2	27476
NC+ 216-63VT3	173.1	•	•	12.9	0.0	9.0	45	3	28259
Grand Mean	235.1	•	•	14.2	0.1	2.2	48	2	32892
L.S.D (0.05%)	20.4	•	•	0.8	1.0	3.7	•	•	3655
C.V.	6.2	•	•	4.3	•	•	•	•	8
Mid- to Full-Season Hybrids									
Pioneer P2023HR(HX1/LL/RR2)	294.2	•	•	15.6	0.0	0.0	50	2	35183
Terral-REVTM 28HR20	293.9	•	•	16.2	0.0	0.0	54	1	34848
Triumph 1802VT3	280.5	232.6	•	16.2	0.0	1.0	55	1	34848
Croplan 8756VT3	279.4	•	•	16.6	0.0	0.0	56	2	36069
Pioneer 31P42(HX1/LL/RR2)	274.1	237.6	•	14.8	0.0	0.0	48	1	33240
Terral-REVTM 28R30	270.0	•	•	16.7	0.0	3.0	51	2	33508
Belle BX918R	267.8	•	•	16.3	0.0	1.0	48	2	33843

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Tip[3] Cover	Plants Per Acre
Mid- to Full-Season Hybrids Continued									
Pioneer 31D59(HX1/LL/RR2)	266.9	•	•	15.8	0.0	0.0	49	2	36189
Terral TV27TR79	263.7	•	•	16.1	0.0	2.0	57	1	35295
Belle 1844RY	253.0	213.6	215.1	16.6	0.0	1.0	60	2	33955
Dyna-Gro 58V50	249.7	•	•	16.8	0.0	4.0	57	1	30841
Golden Acres 27Z07	246.9	200.0	•	14.7	0.0	5.0	51	2	32279
Belle 1868VT3	242.4	•	•	15.7	0.0	1.0	57	2	32391
DEKALB DKC67-87(RR2/YGCB)	240.9	214.5	•	15.4	0.0	9.0	51	3	28035
Golden Acres 28V87	238.8	•	•	15.3	0.0	5.0	54	2	32056
DEKALB DKC69-40(VT3)	238.0	203.2	•	15.5	0.0	1.0	49	2	35965
Dyna-Gro V6263VT3	236.7	•	•	15.8	0.0	0.0	52	2	33284
DEKALB DKC67-23(RR2/YGCB)	231.7	211.0	213.3	14.4	0.0	9.0	48	3	28705
BH 8928VT3	228.7	•	•	15.7	0.0	3.0	52	1	34178
BH 8895VT3	227.6	189.9	•	15.0	0.0	2.0	50	1	35742
Fielders Choice NG6893	223.5	•	•	14.6	0.0	1.0	49	3	31609
DEKALB DKC68-06(RR2/YGCB)	222.9	•	•	15.9	0.0	1.0	46	1	33843
Dyna-Gro 58K40	220.2	198.9	198.2	15.7	0.0	1.0	49	2	30269
Grand Mean	251.8	•	•	15.7	0.0	2.0	52	2	33312
L.S.D (0.05%)	24.5	•	•	0.8	•	4.0	•	•	4024
C.V.	6.9	•	•	3.5	•	•	•	•	9

[1] Average yield for 2008 and 2009

[2] Average yield for 2007,2008, and 2009

[3] 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 fitted tightly. A rating of average was given when the husks reached the tip of the ear or fitted loosely. A rating of poor was given when ears were open to the weather.

Soil Series	Crowley silt loam
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	Bicep II Magnum, 4/26
Preplant Fertilizer	60-90-90, 3/25
Planting Date	4/23
Irrigation Dates	6/18, 6/23, 6/30, 7/9
Sidedress Fertilizer	250-0-0, 5/27, 250-0-0, 6/9
Herbicide Application(s)	None
Insecticide Application(s)	Intrepid + Mustang Max, 6/29, Intrepid, 7/15
Harvest Date	9/12

Precipitation (inches)

	April	May	June	July	August	Total
2009	4.5	11.5	3.1	11.3	4.9	35.2
Average	5.6	4.7	3.6	3.4	2.8	20.1
Departure	-1.1	6.8	-0.5	7.9	2.1	15.1

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, AR, 2009.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids								
Pioneer 33D49(HX1/LL/RR2)	271.6	•	•	17.4	0.0	0.0	41	34719
Terral-REVTM 26HR50	260.4	•	•	18.8	0.0	0.0	43	33172
A6633VT3	251.9	225.9	210.1	17.5	0.0	0.0	40	33816
A6632VT3	250.8	•	•	17.7	0.0	0.0	37	33243
Mycogen 2T826	247.8	236.6	•	17.7	0.0	0.0	49	31797
Dyna-Gro V5373VT3	247.5	•	•	16.8	0.0	0.0	45	33931
Terral TV24R83	247.5	235.2	•	16.3	0.0	0.0	45	31180
NC+ 6082VT3	246.1	•	•	17.4	0.0	0.0	40	31409
Terral TV25TR59	244.9	•	•	17.3	0.0	0.0	46	33473
Dyna-Gro 58V24	243.4	234.5	•	17.0	0.0	0.0	47	31294
Croplan 6818VT3	242.7	224.5	206.3	17.5	0.0	0.0	41	34619
Croplan 7131VT3	242.0	•	•	17.6	0.0	0.0	41	34046
Dyna-Gro 57K58	240.4	232.6	213.3	16.9	0.0	0.0	45	31624
Terral TV25TR29	240.4	•	•	17.0	0.0	0.0	43	33128
Dyna-Gro 58V72	240.1	•	•	16.5	0.0	0.0	44	32097
Belle 1545VT3	238.3	221.0	202.5	17.0	0.0	0.0	42	31638
DEKALB DKC64-79(VT3)	237.6	237.4	•	17.0	0.0	0.0	40	33472
Golden Acres 26Y23	236.2	•	•	16.9	0.0	0.0	44	33358
Pioneer 33N58(HX1/LL/RR2)	236.2	213.9	190.2	17.2	0.0	0.0	47	33014
Golden Acres 26Y37	234.9	•	•	16.4	0.0	0.0	44	32211
DEKALB DKC63-84(VT3)	234.7	•	•	16.7	0.0	0.0	43	31867
Belle BX850VT3	233.9	•	•	16.8	0.0	0.0	46	31753
Terral TV25BR23	233.8	224.4	198.1	16.7	0.0	0.0	44	33243
Belle BX992CV	233.2	•	•	17.5	0.0	0.0	46	28266
Belle 1655VT3	231.9	•	•	17.8	0.0	0.0	48	31065
MorCorn MC4507	231.0	220.1	•	16.2	0.0	0.0	46	31454
NK N73V-3000GT	230.5	•	•	17.3	0.0	0.0	48	30836
Terral-REVTM 26R60	230.3	•	•	18.2	0.0	0.0	45	31627
NK N68B-CB/LL/RW	230.0	199.8	•	17.1	0.0	0.0	36	31451
Dyna-Gro 57V05	229.7	221.2	•	17.5	0.0	0.0	42	33128
Terral TV25R31	229.7	223.4	201.6	17.8	0.0	0.0	46	30033
BH 8668VT3	229.4	•	•	16.2	0.0	0.0	41	32670
NC+ 5453VT3	227.3	202.4	•	17.4	0.0	0.0	43	34202
Dyna-Gro 57V21	227.2	234.2	•	17.9	0.0	0.0	44	31982
Dyna-Gro 57V44	227.0	224.9	•	16.8	0.0	0.0	45	33344
NC+ 5393VT3	227.0	223.0	•	16.8	0.0	0.0	42	31753
Terral-REVTM 25HR39	226.7	•	•	16.8	0.0	0.0	44	28530
Croplan 6831RHXT	226.3	225.7	•	17.1	0.0	0.0	43	33702
Belle BX913CV	225.6	•	•	16.9	0.0	0.0	40	30940
Terral TV26BR41	225.4	223.4	206.4	16.9	0.0	0.0	47	30419
Belle 1646VT3	225.0	216.1	200.7	16.4	0.0	0.0	43	29002
Fielders Choice NG6866	224.4	•	•	17.3	0.0	0.0	46	32097
Terral TV25BR71	224.0	208.6	198.5	16.7	0.0	0.0	50	32826

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids Continued								
Belle BX916VT3	223.7	•	•	17.2	0.0	0.0	44	29986
Mycogen 2T699	222.6	•	•	16.7	0.0	0.0	45	30769
Croplan 7505VT3	222.2	198.9	196.1	17.3	0.0	0.0	40	35421
A6489VT3	221.5	230.1	•	16.5	0.0	0.0	48	32441
BH 8518VT3	220.1	•	•	17.1	0.0	0.0	45	31409
Belle BX921VT3	219.5	•	•	17.8	0.0	0.0	45	30148
Terral TV26TR41	219.2	217.2	•	17.6	0.0	0.0	42	29564
DEKALB DKC61-69(VT3)	217.9	227.1	•	16.2	0.0	0.0	43	33702
Terral-REVTM 26HR70	217.7	•	•	16.9	0.0	0.0	49	31628
Croplan 6331VT3	217.6	•	•	16.8	0.0	0.0	38	33346
A6533VT3	216.9	•	•	17.3	0.0	0.0	37	33358
A6479VT3	214.9	210.8	195.0	16.6	0.0	0.0	45	32142
A6639VT3	214.8	•	•	17.5	0.0	0.0	46	31753
Terral-REVTM 25HR49	214.6	•	•	18.3	0.0	0.0	45	31295
Mycogen 2V732	213.6	•	•	16.7	0.0	0.0	44	31795
Dyna-Gro 57V40	213.4	•	•	17.6	0.0	0.0	42	30591
A6522BtRR	212.6	•	•	17.9	0.0	0.0	43	32555
Mycogen 2G847	212.5	•	•	17.4	0.0	0.0	40	30148
Belle 1161VT3	212.3	•	•	16.4	0.0	0.0	43	29575
Belle 1511C	210.3	•	•	16.9	0.0	0.0	42	27856
Belle 1457VT3	209.8	•	•	17.6	0.0	0.0	43	29045
Triumph TRX91522	208.2	•	•	17.0	0.0	0.0	45	31524
NC+ 215-11VT3	208.0	•	•	17.9	0.0	0.0	43	31796
DEKALB DKC61-04(VT3)	207.5	•	•	17.7	0.0	0.0	40	30077
Fielders Choice NG6846	207.2	•	•	16.7	0.0	0.0	41	30836
Belle BX910RR	203.0	•	•	17.1	0.0	0.0	42	30033
NC+ 216-63VT3	202.7	•	•	17.4	0.0	0.0	37	28699
NK N78N-3000GT	199.9	194.7	•	18.0	0.0	0.0	46	25611
Belle BX951VT3	191.5	•	•	17.6	0.0	0.0	41	30763
Belle 1147VT3	174.9	184.0	176.9	16.2	0.0	0.0	43	29044
Grand Mean	226.2	•	•	17.2	0.0	0.0	43	31649
L.S.D (0.05%)	23.7	•	•	1.1	•	•	•	3097
C.V.	6.5	•	•	3.8	•	•	•	6
Mid- to Full-Season Hybrids								
Pioneer P2023HR(HX1/LL/RR2)	273.3	•	•	17.9	0.0	0.0	44	33587
Terral-REVTM 28HR20	268.4	•	•	17.6	0.0	0.0	47	31701
DEKALB DKC67-87(RR2/YGCB)	260.9	227.8	•	18.0	0.0	0.0	51	33937
Golden Acres 27Z07	259.4	227.3	•	16.8	0.0	0.0	48	35421
Golden Acres 28V87	253.4	•	•	17.8	0.0	0.0	50	34046
Terral-REVTM 28R30	248.2	•	•	18.5	0.0	0.0	44	31524
Terral TV27TR79	243.5	•	•	17.6	0.0	0.0	50	33702

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Plants Per Acre
Mid- to Full-Season Hybrids Continued								
Croplan 8756VT3	242.7	•	•	17.4	0.0	0.0	47	33472
BH 8928VT3	241.5	•	•	17.7	0.0	0.0	47	32438
Pioneer 31D59(HX1/LL/RR2)	234.3	•	•	17.5	0.0	0.0	49	28658
BH 8895VT3	233.4	214.1	•	16.9	0.0	0.0	47	30377
Belle 1844RY	230.1	218.0	196.3	17.3	0.0	0.0	47	32266
Triumph 1802VT3	229.6	209.7	•	17.4	0.0	0.0	50	31868
Dyna-Gro 58V50	228.0	•	•	18.1	0.0	0.0	51	30498
DEKALB DKC67-23(RR2/YGCB)	225.3	219.4	198.2	17.6	0.0	0.0	44	32555
DEKALB DKC69-40(VT3)	224.6	207.5	•	17.6	0.0	0.0	43	34389
Fielders Choice NG6893	223.3	•	•	18.2	0.0	0.0	43	33248
Dyna-Gro V6263VT3	221.7	•	•	18.5	0.0	0.0	53	31294
Pioneer 31P42(HX1/LL/RR2)	219.8	226.4	•	17.4	0.0	0.0	44	27626
Belle 1868VT3	215.3	•	•	17.8	0.0	0.0	46	27855
Belle BX918R	213.9	•	•	18.1	0.0	0.0	44	30326
Dyna-Gro 58K40	206.0	209.3	197.0	18.1	0.0	0.0	50	25677
DEKALB DKC68-06(RR2/YGCB)	192.5	•	•	17.5	0.0	0.0	40	31357
Grand Mean	234.3	•	•	17.7	0.0	0.0	47	31644
L.S.D (0.05%)	26.4	•	•	0.7	•	•	•	3906
C.V.	6.8	•	•	2.2	•	•	•	8

[1] Average yield for 2008 and 2009

[2] Average yield for 2007,2008, and 2009

Soil Series	Sharkey Desha silt loam
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Atrazine + Dual, 4/17
Preplant Fertilizer	92-65-194, 4/9
Planting Date	4/17
Irrigation Dates	6/15, 6/25, 7/1, 7/8
Sidedress Fertilizer	248-0-0 + Sulfur + Zinc, 5/29
Herbicide Application(s)	None
Insecticide Application(s)	None
Harvest Date(s)	Early- to Mid-Season, 9/23
	Mid- to Full-Season, 9/24

Precipitation (inches)

	April	May	June	July	August	September	Total
2009	4.0	11.4	1.9	6.6	2.1	6.0	32.0
Average	5.0	4.7	3.5	3.9	2.7	3.1	22.9
Departure	-1.0	6.7	-1.6	2.7	-0.6	2.9	9.1

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, AR, 2009.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Tip[3] Cover	Plants Per Acre
Early- to Mid-Season Hybrids									
Mycogen 2T699	212.0	•	•	13.5	0.0	1.0	41	2	36747
MorCorn MC4507	209.6	•	•	15.9	0.0	0.0	42	1	33843
DEKALB DKC64-79(VT3)	208.9	•	•	15.3	0.0	0.0	39	1	35965
Terral-REVTM 25HR49	208.2	•	•	15.3	0.0	1.0	45	2	34401
Golden Acres 26Y37	207.8	•	•	14.7	0.0	1.0	45	1	38467
Terral-REVTM 25HR39	207.4	•	•	15.7	0.0	0.0	45	2	33396
Mycogen 2V732	206.3	•	•	13.8	0.0	0.0	44	2	38646
Belle 1655VT3	206.2	•	•	15.6	0.0	1.0	49	2	34401
BH 8668VT3	205.4	•	•	15.4	0.0	2.0	45	1	35935
Dyna-Gro 58V72	205.1	•	•	15.6	0.0	1.0	48	1	36090
NK N73V-3000GT	205.0	•	•	14.8	0.0	0.0	45	2	34736
NC+ 6082VT3	204.3	•	•	16.3	0.0	0.0	37	2	35407
DEKALB DKC63-84(VT3)	201.9	•	•	13.7	0.0	0.0	43	3	38757
Pioneer 33D49(HX1/LL/RR2)	201.7	•	•	16.3	0.0	0.0	39	1	36858
Belle BX850VT3	201.2	•	•	15.9	0.0	1.0	45	1	34290
Belle 1161VT3	200.8	•	•	14.4	0.0	0.0	40	1	33284
Belle 1511C	199.8	•	•	15.8	0.0	1.0	42	3	34066
Terral-REVTM 26R60	199.6	•	•	15.3	0.0	0.0	39	2	34302
NC+ 5393VT3	199.1	•	•	15.7	0.0	0.0	39	1	36077
Terral TV26TR41	198.6	•	•	15.6	0.0	3.0	39	2	35600
Dyna-Gro 57V44	198.5	•	•	13.6	0.0	0.0	41	3	35630
A6489VT3	197.0	•	•	14.7	0.0	1.0	42	2	35853
Dyna-Gro 57V40	196.7	•	•	14.9	0.0	0.0	35	1	34178
Dyna-Gro V5373VT3	195.4	•	•	16.4	0.0	1.0	43	1	35071
Croplan 7131VT3	194.9	•	•	16.3	0.0	1.0	35	1	38429
DEKALB DKC61-69(VT3)	194.9	•	•	12.7	0.0	0.0	41	3	36747
Terral-REVTM 26HR70	194.9	•	•	15.7	0.0	1.0	46	2	32391
NC+ 5453VT3	194.4	•	•	14.8	0.0	0.0	42	2	37752
Belle BX921VT3	193.8	•	•	13.6	0.0	0.0	42	1	33954
A6633VT3	193.5	•	•	15.5	0.0	0.0	39	1	36387
Dyna-Gro 57V21	193.1	•	•	16.3	0.0	1.0	37	1	37238
Croplan 6331VT3	191.6	•	•	15.8	0.0	0.0	36	2	37864
NK N78N-3000GT	190.7	•	•	16.1	0.0	0.0	38	1	32810
A6479VT3	190.6	•	•	14.6	0.0	2.0	46	3	33284
Belle BX916VT3	189.9	•	•	15.9	0.0	1.0	42	2	32919
Terral TV24R83	188.8	•	•	14.7	0.0	0.0	46	1	33955
Terral TV26BR41	188.6	211.2	200.5	15.9	0.0	2.0	40	2	33061
Croplan 6831RHXT	188.2	•	•	15.4	0.0	2.0	40	1	39092
NC+ 216-63VT3	186.4	•	•	14.0	0.0	0.0	35	3	34401
Belle 1545VT3	185.9	190.6	188.0	15.4	0.0	4.0	39	2	34513
NC+ 215-11VT3	185.4	•	•	14.7	0.0	0.0	40	4	36188
Fielders Choice NG6866	185.0	•	•	14.3	0.0	0.0	42	2	36635
Croplan 6818VT3	184.8	•	•	16.5	0.0	0.0	37	1	42332

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Tip[3] Cover	Plants Per Acre
Early- to Mid-Season Hybrids Continued									
Belle BX992CV	184.6	•	•	16.1	0.0	1.0	43	1	32726
Terral-REVTM 26HR50	183.3	•	•	16.3	0.0	0.0	37	2	33954
A6632VT3	183.0	•	•	15.8	0.0	0.0	34	1	36635
Dyna-Gro 57V05	183.0	•	•	16.0	0.0	3.0	38	1	34513
BH 8518VT3	182.4	•	•	15.3	0.0	1.0	43	1	35183
Golden Acres 26Y23	182.4	•	•	15.5	0.0	3.0	41	1	40768
Belle 1457VT3	182.2	•	•	15.7	0.0	0.0	41	2	33366
A6533VT3	182.1	•	•	13.3	0.0	0.0	38	2	35183
Dyna-Gro 58V24	179.9	•	•	15.2	0.0	1.0	43	1	33508
Dyna-Gro 57K58	178.9	206.8	•	15.4	0.0	1.0	41	2	34848
A6639VT3	178.8	•	•	15.7	0.0	0.0	37	1	35518
Pioneer 33N58(HX1/LL/RR2)	177.8	•	•	14.5	0.0	5.0	43	1	35301
Croplan 7505VT3	177.4	•	•	16.2	0.0	1.0	41	1	39316
Terral TV25TR29	177.3	•	•	15.3	0.0	0.0	35	1	35742
Fielders Choice NG6846	176.7	•	•	14.6	0.0	3.0	38	1	35340
Belle 1147VT3	176.1	•	•	14.2	0.0	0.0	39	2	32837
Terral TV25TR59	175.5	•	•	17.3	0.0	2.0	42	1	37082
Terral TV25BR71	174.1	201.8	•	17.3	0.0	0.0	41	3	33663
NK N68B-CB/LL/RW	173.9	•	•	13.9	0.0	0.0	39	1	34066
Belle 1646VT3	173.5	•	•	15.4	0.0	1.0	39	2	33508
Mycogen 2G847	171.8	•	•	15.8	0.0	1.0	41	1	36412
A6522BtRR	170.6	•	•	13.8	0.0	0.0	40	1	35742
Triumph TRX91522	169.2	•	•	15.0	0.0	0.0	38	2	33856
Terral TV25BR23	168.4	188.1	186.2	15.3	0.0	3.0	35	1	35407
Belle BX913CV	168.3	•	•	13.4	0.0	0.0	35	3	33173
Belle BX910RR	168.0	•	•	13.4	0.0	0.0	39	3	32838
Mycogen 2T826	166.6	•	•	16.5	0.0	8.0	41	1	32510
DEKALB DKC61-04(VT3)	165.4	•	•	15.0	0.0	0.0	39	2	31619
Terral TV25R31	161.3	•	•	17.9	0.0	2.0	41	2	32167
Belle BX951VT3	159.8	•	•	15.8	0.0	2.0	37	1	34513
Grand Mean	188.3	•	•	15.2	0.0	0.8	41	2	35250
L.S.D (0.05%)	20.4	•	•	0.9	•	2.6	•	•	1966
C.V.	7.8	•	•	4.1	•	•	•	•	4
Mid- to Full-Season Hybrids									
Terral-REVTM 28R30	245.4	•	•	17.2	0.0	0.0	52	3	35295
Belle BX918R	243.9	•	•	17.1	0.0	1.0	42	2	34737
Golden Acres 28V87	236.6	•	•	16.1	0.0	0.0	44	1	38199
DEKALB DKC67-87(RR2/YGCB)	227.8	•	•	16.4	0.0	1.0	45	3	35518
Pioneer P2023HR(HX1/LL/RR2)	224.0	•	•	16.3	0.0	0.0	39	1	35853
Terral-REVTM 28HR20	222.9	•	•	16.4	0.0	2.0	49	1	34066
Terral TV27TR79	220.7	•	•	17.6	0.0	0.0	56	2	36747

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, AR, 2009, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Root Lodging	Stalk Lodging	Ear Height Inches	Tip[3] Cover	Plants Per Acre
Mid- to Full-Season Hybrids Continued									
Triumph 1802VT3	219.8	•	•	17.0	0.0	0.0	54	2	34960
Pioneer 31P42(HX1/LL/RR2)	219.7	•	•	16.3	0.0	0.0	44	1	35965
Belle 1844RY	219.6	•	•	17.8	0.0	0.0	47	2	34736
Belle 1868VT3	218.7	•	•	17.2	0.0	0.0	47	1	33284
BH 8928VT3	218.5	•	•	16.5	0.0	1.0	43	1	35407
Croplan 8756VT3	217.6	•	•	17.7	0.0	0.0	43	2	38087
Pioneer 31D59(HX1/LL/RR2)	214.6	•	•	16.6	0.0	1.0	39	1	35295
DEKALB DKC69-40(VT3)	212.6	•	•	16.2	0.0	0.0	45	2	38199
DEKALB DKC67-23(RR2/YGCB)	208.6	219.2	•	15.7	0.0	0.0	43	2	34401
BH 8895VT3	195.8	•	•	15.7	0.0	2.0	44	1	35518
Dyna-Gro V6263VT3	195.6	•	•	16.7	0.0	0.0	49	1	33619
Golden Acres 27Z07	193.5	•	•	15.7	0.0	1.0	42	1	37938
DEKALB DKC68-06(RR2/YGCB)	191.4	•	•	16.5	0.0	0.0	34	1	36151
Dyna-Gro 58K40	191.2	189.8	•	17.3	0.0	0.0	47	1	33023
Fielders Choice NG6893	189.8	•	•	16.2	0.0	0.0	44	2	37082
Dyna-Gro 58V50	182.7	•	•	16.7	0.0	3.0	48	1	36524
Grand Mean	213.5	•	•	16.6	0.0	0.5	45	2	35678
L.S.D (0.05%)	19.6	•	•	1.0	•	1.5	•	•	1912
C.V.	6.5	•	•	4.1	•	•	•	•	4

[1] Average yield for 2006 and 2009

[2] Average yield for 2005,2006, and 2009

[3] 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 fitted tightly. A rating of average was given when the husks reached the tip of the ear or fitted loosely. A rating of poor was given when ears were open to the weather.

Soil Series	Calhoun silt Loam
Soil pH	7.4
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	Resolve
Preplant Fertilizer	90-110-130-40 sulfur-10 zinc
Planting Date	4/24
Irrigation Dates	6/21, 6/29, 7/3, 7/20, 7/27, 8/13
Sidedress Fertilizer	150lbs ammonium sulfate, 90 units 32%, 100 lbs urea
Herbicide Application(s)	Power Max, Atrazine
Insecticide Application(s)	Intrepid
Harvest Date	9/13

Precipitation (inches)

	May	June	July	August	Total
2009	4.2	3.4	8.3	3.7	19.6

Participants and Entries
2009 Grain Sorghum Tests

Company/Institution	Hybrid
Crop Production Services 57 Germantown Ct. Suite 200 Cordova, TN 38018	Dyna-Gro 751B Dyna-Gro 771B Dyna-Gro 772B Dyna-Gro 778B Dyna-Gro 780B
Golden Acres Genetics P.O. Box 579 Buchanan Dam, TX 78609	Golden Acres 3552 Golden Acres 3696
Monsanto Co. 982 U.S. Hwy 77 Bishop, TX 78343	ASGROW A571 DEKALB DKS44-20 DEKALB DKS53-67 DEKALB DKS54-00 DEKALB DKS54-03
Syngenta Seed 7500 Olson Memorial Hwy Golden Valley, MN 55427	Garst 5464 Garst 5556
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Suite 302 Huntsville, AL 35802	Pioneer 83G66 Pioneer 84G62
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral TV93S72 Terral TV94S91 Terral TV96H81 Terral TV96H91 Terral TVX96H95
Triumph Seed Company, Inc. P.O. Box 1050 Ralls, TX 79357	Triumph TR82-G Triumph TRX85001

Participants and Entries
2009 Corn Test

Company/Institution	Hybrid
AgriGold Hybrids RR1 Box 203 St. Francisville, IL 62460-9989	A6479VT3 A6489VT3 A6522BtRR A6533VT3 A6632VT3 A6633VT3 A6639VT3
Cullum Seeds LLC Belle Southern Hybrids P.O. Box 178 Fisher, AR 72429	Belle 1147VT3 Belle 1161VT3 Belle 1457VT3 Belle 1511C Belle 1545VT3 Belle 1646VT3 Belle 1655VT3 Belle 1844RY Belle 1868VT3 Belle BX850VT3 Belle BX910RR Belle BX913CV Belle BX916VT3 Belle BX918R Belle BX921VT3 Belle BX951VT3 Belle BX992CV
B-H Genetics 5933 FM1157 Ganado, TX 77962	BH 8518VT3 BH 8668VT3 BH 8895VT3 BH 8928VT3
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	MorCorn MC4507
Croplan Genetics 4990 NCR 583 Blytheville, AR 72315	Croplan 6331VT3 Croplan 6818VT3 Croplan 6831RHXT Croplan 7131VT3 Croplan 7505VT3 Croplan 8756VT3

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Company/Institution	Hybrid
Crop Production Services	Dyna-Gro 57K58 Dyna-Gro 57V05 Dyna-Gro 57V21 Dyna-Gro 57V40 Dyna-Gro 57V44 Dyna-Gro 58K40 Dyna-Gro 58V24 Dyna-Gro 58V50 Dyna-Gro 58V72 Dyna-Gro V5373VT3 Dyna-Gro V6263VT3
Fielder's Choice Direct 306 N. Main St. Monticello, IN 47960	Fielder's Choice NG6846 Fielder's Choice NG6866 Fielder's Choice NG6893
Golden Acres Genetics P.O. Box 579 Buchanan Dam, TX 78609	Golden Acres 26Y23 Golden Acres 26Y37 Golden Acres 27Z07 Golden Acres 28V87
Monsanto 800 N.Lindbergh Blvd. St. Louis, MO 63167	DEKALB DKC61-04(VT3) DEKALB DKC61-69(VT3) DEKALB DKC63-84(VT3) DEKALB DKC64-79(VT3) DEKALB DKC67-23(RR2/YGCB) DEKALB DKC67-87(RR2/YGCB) DEKALB DKC68-06(RR2/YGCB) DEKALB DKC69-40(VT3)
Mycogen Seeds Route 1, Box 250 Wayne City, IL 62895	Mycogen 2G847 Mycogen 2T699 Mycogen 2T826 Mycogen 2V732
NC+ Hybrids 525 S211 Street Elkhorn, NE 68022	NC+ 215-11VT3 NC+ 216-63VT3 NC+ 5393VT3 NC+ 5453VT3 NC+ 6082VT3
NK Syngenta Seed 116 Greenbriar Drive West Monroe, LA 71291	NK N68B-CB/LL/RW NK N73V-3000GT NK N78N-3000GT
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Suite 302 Huntsville, AL 35802	Pioneer 31D59(HX1/LL/RR2) Pioneer 31P42(HX1/LL/RR2) Pioneer 33D49(HX1/LL/RR2) Pioneer 33N58(HX1/LL/RR2) Pioneer P2023HR(HX1/LL/RR2)

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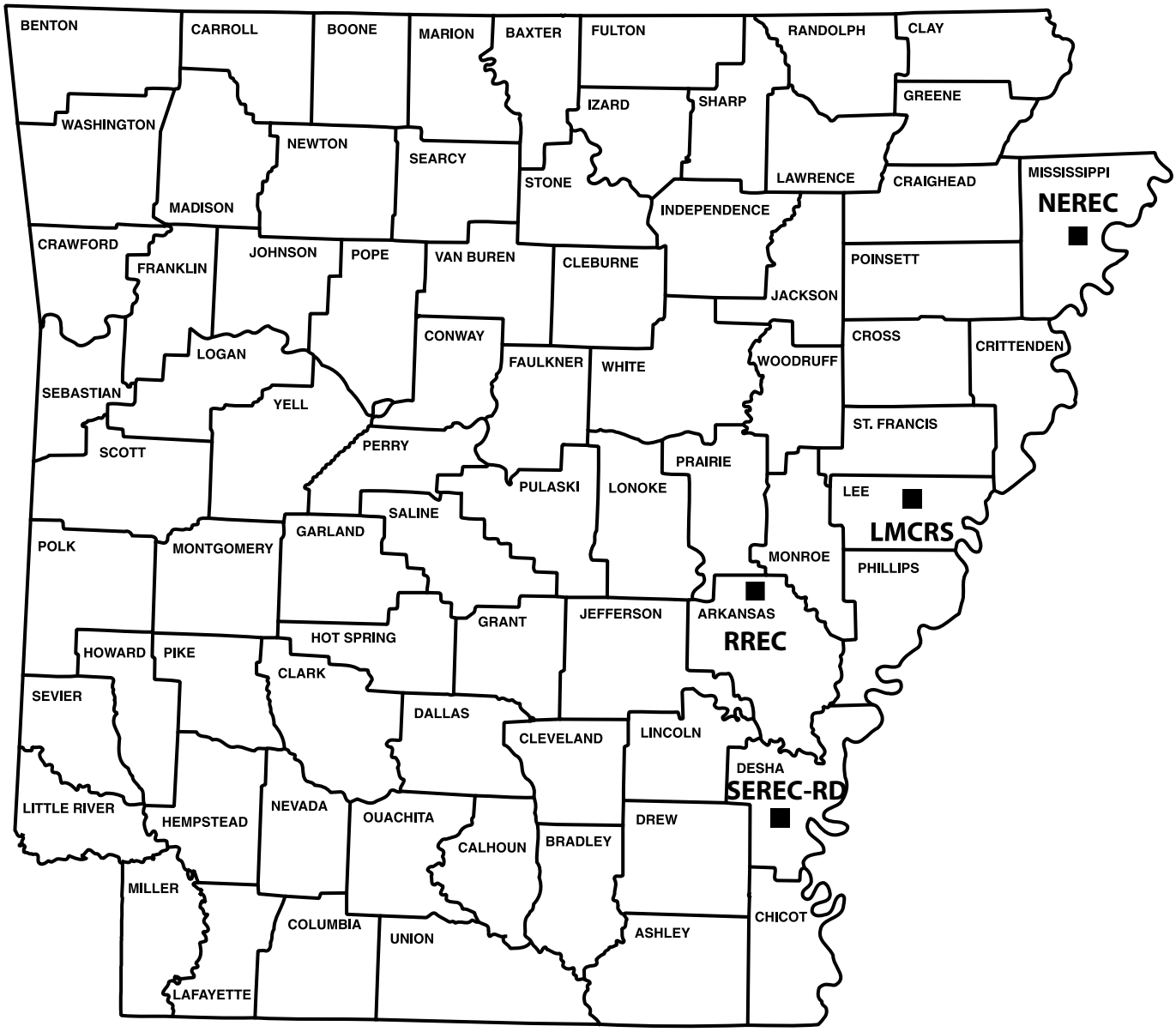
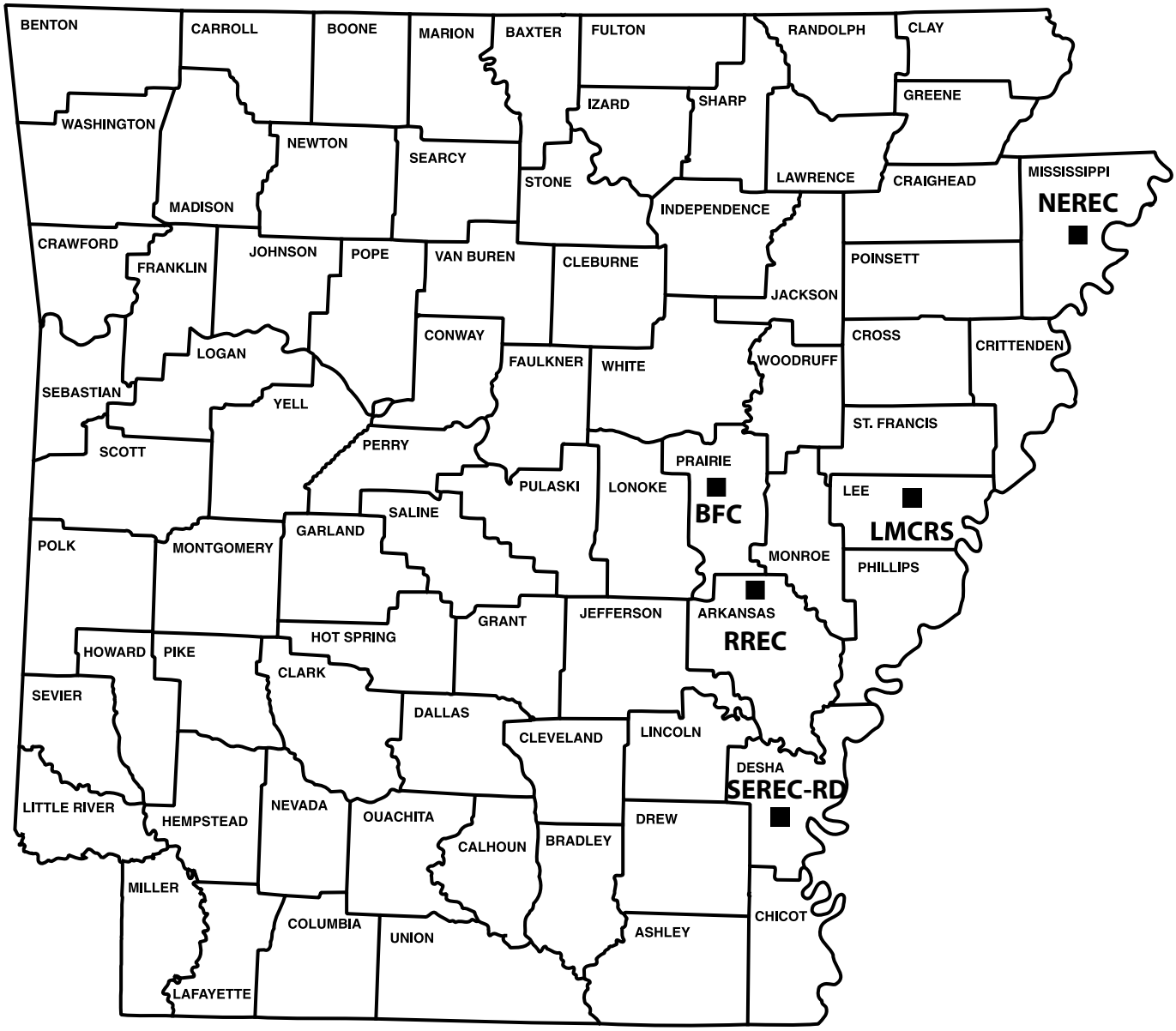
Company/Institution	Hybrid
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral TV24R83 Terral TV25BR23 Terral TV25BR71 Terral TV25R31 Terral TV25TR29 Terral TV25TR59 Terral TV26BR41 Terral-TV26TR41 Terral TV27TR79 Terral-REV™25HR39 Terral-REV™25HR49 Terral-REV™26HR50 Terral-REV™26HR70 Terral-REV™26R60 Terral-REV™28HR20 Terral-REV™28R30
Triumph Seed Company, Inc. P.O. Box 1050 Ralls, TX 79357	Triumph 1802VT3 Triumph TRX91522

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**
SEREC-RD - **Southeast Research and Extension Center-Rohwer Division, Rohwer, Arkansas**

CORN TEST LOCATIONS



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