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Arkansas Corn and Grain Sorghum Performance Tests 2012

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2012



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

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RESEARCH & EXTENSION**

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University of Arkansas System
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ARKANSAS CORN AND GRAIN SORGHUM PERFORMANCE TESTS¹ 2012

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 2012 corn performance tests contained 94 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 Southeast Research and Extension Center–Rohwer Division (SEREC-RD) near Rohwer, and the Rice Research and Extension Center (RREC) near Stuttgart. The 2012 grain sorghum performance tests contained 21 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.

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, 2012^{1,2}.

Hybrid Name	Keiser		Stuttgart	Rohwer		Average
	Keiser Irrigated	Keiser Non-Irrigated		Rohwer Irrigated	Rohwer Non-Irrigated	
bu./A.....					
BH 5227	131.5	111.0	122.0	119.4	102.3	117.2
BH 5566	154.1	137.6	152.4	139.0	112.8	139.2
DEKALB DKS53-67	153.8	146.6	150.1	150.4	122.2	144.6
Dyna-Gro 765B	165.5	134.3	166.1	152.4	130.2	149.7
Dyna-Gro 766B	130.4	107.7	149.4	133.8	113.2	126.9
Dyna-Gro 771B	159.7	139.6	148.4	135.1	113.7	139.3
Dyna-Gro 772B	147.9	114.3	136.9	137.6	115.0	130.3
Dyna-Gro CX12522	136.7	110.9	143.6	128.6	99.3	123.8
Pioneer 83P17	157.4	122.1	156.8	148.5	120.5	141.0
Pioneer 83P99	163.6	145.8	171.4	144.6	124.8	150.0
Pioneer 84G62	155.5	141.4	150.9	139.9	121.1	141.8
Pioneer 84P80	165.9	152.3	169.7	152.2	134.2	154.9
REV® RV9782™	153.5	136.0	150.3	137.6	127.2	140.9
REV® RV9803™	132.9	122.8	142.0	136.2	116.9	130.2
REV® RV9823™	142.7	126.3	141.7	137.6	129.6	135.6
REV® RV9883™	153.3	119.2	147.4	136.5	128.4	136.9
REV® RV9953™	156.5	133.2	155.1	142.7	126.6	142.8
REV® RV9973™	156.5	117.7	135.9	135.1	110.0	131.0
Triumph TR 4941	156.6	138.6	146.8	135.1	112.2	137.8
Triumph TR 4951	152.3	133.7	142.7	144.8	124.0	139.5
Triumph TRX 85131	135.3	134.1	147.0	140.0	120.7	135.4
GRAND MEAN	150.5	129.8	148.9	139.4	119.3	137.6
LSD (5%)	9.3	13.9	13.8	8.2	7.6	10.5
C.V.	5.2	7.8	7.8	4.9	5.4	6.2

¹ Keiser = Northeast Research and Extension Center.

Stuttgart = Rice Research and Extension Center.

Rohwer = Southeast Research and Extension Center - Rohwer Division.

² Yields from the Marianna location were not reported due to poor stands and lack of uniformity.

Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2012.

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 84P80	165.9	155.7	•	15.7	56	5	3	5
Dyna-Gro 765B	165.5	•	•	16.1	62	9	2	6
Pioneer 83P99	163.6	•	•	15.8	60	3	2	9
Dyna-Gro 771B	159.7	143.4	136.0	15.5	56	8	3	6
Pioneer 83P17	157.4	145.7	133.1	16.1	56	7	2	6
Triumph TR 4941	156.6	•	•	15.4	56	5	3	11
REV® RV9973™	156.5	•	•	15.9	56	7	3	6
REV® RV9953™	156.5	•	•	16.2	58	5	2	5
Pioneer 84G62	155.5	145.4	140.9	15.5	56	8	3	10
BH 5566	154.1	136.1	•	15.4	55	5	2	13
DEKALB DKS53-67	153.8	148.4	140.1	15.9	57	9	2	9
REV® RV9782™	153.5	•	•	15.1	55	8	2	18
REV® RV9883™	153.3	•	•	15.2	58	8	3	6
Triumph TR 4951	152.3	•	•	15.3	61	6	2	9
Dyna-Gro 772B	147.9	141.6	135.0	15.4	56	8	3	9
REV® RV9823™	142.7	•	•	15.5	56	7	2	5
Dyna-Gro CX12522	136.7	•	•	15.2	55	9	1	16
Triumph TRX 85131	135.3	•	•	15.9	55	8	1	6
REV® RV9803™	132.9	•	•	15.4	58	11	3	10
BH 5227	131.5	•	•	15.3	49	8	3	11
Dyna-Gro 766B	130.4	•	•	15.4	60	10	3	24
GRAND MEAN	150.5	•	•	15.6	57	7	2	10
LSD (5%)	9.3	•	•	0.3	•	•	•	4
C.V.	5.2	•	•	1.5	•	•	•	•

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.

Soil Series	Sharkey clay
Soil pH	6.9
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	N/A
Preplant Fertilizer	50 lb/A N, 25 lb/A P, 25 lb/A K, March 30
Planting Date	April 20
Irrigation Dates	May 30, June 14, June 22, July 2, July 10, July 23, August 1
Sidedress Fertilizer	100 lb/A N, May 25
Herbicide Application(s)	Atrazine + Charger Basic, April 20
Insecticide Application(s)	N/A
Harvest Date	August 21

Precipitation (inches)

	April	May	June	July	August	Total
2012	1.2	4.2	2.5	2.4	1.2	11.4
Average	4.8	5.4	4.0	4.0	2.4	20.5
Departure	-3.6	-1.2	-1.5	-1.7	-1.2	-9.1

Table 3. Performance of Non-Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2012.

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 84P80	152.3	144.8	•	15.2	47	2	2	15
DEKALB DKS53-67	146.6	147.7	133.0	15.4	50	2	1	12
Pioneer 83P99	145.8	•	•	15.4	43	6	1	8
Pioneer 84G62	141.4	133.6	139.5	15.2	45	9	2	13
Dyna-Gro 771B	139.6	124.7	124.5	15.2	45	4	2	17
Triumph TR 4941	138.6	•	•	15.0	47	1	2	15
BH 5566	137.6	127.5	•	15.2	44	7	2	12
REV® RV9782™	136.0	•	•	15.0	47	3	2	25
Dyna-Gro 765B	134.3	•	•	15.5	51	4	2	15
Triumph TRX 85131	134.1	•	•	15.5	43	2	2	13
Triumph TR 4951	133.7	•	•	15.2	50	4	3	19
REV® RV9953™	133.2	•	•	15.7	46	1	1	5
REV® RV9823™	126.3	•	•	15.3	45	1	1	12
REV® RV9803™	122.8	•	•	15.0	47	4	2	17
Pioneer 83P17	122.1	122.0	125.0	15.5	45	5	2	13
REV® RV9883™	119.2	•	•	15.1	45	2	2	15
REV® RV9973™	117.7	•	•	15.7	45	2	1	5
Dyna-Gro 772B	114.3	118.5	120.9	14.9	50	4	3	27
BH 5227	111.0	•	•	15.0	41	7	3	20
Dyna-Gro CX12522	110.9	•	•	14.9	45	3	1	27
Dyna-Gro 766B	107.7	•	•	14.7	50	8	3	53
GRAND MEAN	129.8	•	•	15.2	46	4	2	17
LSD (5%)	13.9	•	•	0.2	•	•	•	7
C.V.	7.8	•	•	1.0	•	•	•	•

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.

Soil Series	Sharkey clay
Soil pH	6.9
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	N/A
Preplant Fertilizer	50 lb/A N, 25 lb/A P, 25 lb/A K, March 30
Planting Date	April 20
Sidedress Fertilizer	100 lb/A N, May 25
Herbicide Application(s)	Atrazine + Charger Basic, April 20
Insecticide Application(s)	N/A
Harvest Date	August 20

Precipitation (inches)

	April	May	June	July	August	Total
2012	1.2	4.2	2.5	2.4	1.2	11.4
Average	4.8	5.4	4.0	4.0	2.4	20.5
Departure	-3.6	-1.2	-1.5	-1.7	-1.2	-9.1

Table 4. Performance of Irrigated Grain Sorghum Hybrids, Stuttgart, Ark., 2012.

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
Pioneer 83P99	171.4	•	•	16.3	64	4	1
Pioneer 84P80	169.7	155.4	•	17.2	58	3	1
Dyna-Gro 765B	166.1	•	•	17.7	66	7	1
Pioneer 83P17	156.8	161.1	165.9	16.7	64	3	1
REV® RV9953™	155.1	•	•	17.2	61	2	1
BH 5566	152.4	154.2	•	16.1	57	1	2
Pioneer 84G62	150.9	142.0	145.5	16.8	60	1	1
REV® RV9782™	150.3	•	•	15.4	60	4	1
DEKALB DKS53-67	150.1	156.2	162.3	17.0	60	2	1
Dyna-Gro 766B	149.4	•	•	16.3	60	3	2
Dyna-Gro 771B	148.4	145.2	142.4	16.3	60	1	1
REV® RV9883™	147.4	•	•	16.7	62	5	2
Triumph TRX 85131	147.0	•	•	16.7	59	1	1
Triumph TR 4941	146.8	•	•	16.3	57	1	2
Dyna-Gro CX12522	143.6	•	•	16.2	57	4	1
Triumph TR 4951	142.7	•	•	16.2	62	6	1
REV® RV9803™	142.0	•	•	16.3	59	3	2
REV® RV9823™	141.7	•	•	16.3	64	4	1
Dyna-Gro 772B	136.9	135.8	142.2	17.1	63	8	2
REV® RV9973™	135.9	•	•	16.9	57	3	1
BH 5227	122.0	•	•	17.1	55	3	1
GRAND MEAN	148.9	•	•	16.6	60	3	1
LSD (5%)	13.8	•	•	1.1	•	•	•
C.V.	7.8	•	•	5.7	•	•	•

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.

Soil Series	Crowley silt loam
Soil pH	6.8
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	N/A
Preplant Fertilizer	80 lb/A N, 100 lb/A P, 90 lb/A K, 15 lb/A S, 10 lb/A Zn, April 9
Planting Date	May 2
Irrigation Dates	May 23, June 4, June 20, June 28, July 10, July 25, August 1
Sidedress Fertilizer	180 lb/A N, May 30
Herbicide Application(s)	Bicep II Magnum, May 6
Insecticide Application(s)	Intrepid + Mustang Max, July 3; Karate, July 16; Intrepid + Mustang Max, July 20
Harvest Date	September 7

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2012	2.1	1.6	3.2	3.8	6.0	4.9	21.6
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	-3.9	-4.6	-0.4	0.7	2.9	1.9	-3.4

Table 5. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2012.

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
Dyna-Gro 765B	152.4	•	•	15.3	66	5
Pioneer 84P80	152.2	150.7	•	14.1	61	5
DEKALB DKS53-67	150.4	149.4	140.0	15.0	58	4
Pioneer 83P17	148.5	147.4	138.4	15.2	57	3
Triumph TR 4951	144.8	•	•	14.3	62	6
Pioneer 83P99	144.6	•	•	14.4	56	3
REV® RV9953™	142.7	•	•	15.0	56	4
Triumph TRX 85131	140.0	•	•	14.9	54	4
Pioneer 84G62	139.9	145.0	137.7	14.2	56	3
BH 5566	139.0	139.0	•	14.3	55	4
Dyna-Gro 772B	137.6	142.6	134.5	14.5	60	7
REV® RV9823™	137.6	•	•	14.6	59	6
REV® RV9782™	137.6	•	•	14.2	56	5
REV® RV9883™	136.5	•	•	14.8	57	7
REV® RV9803™	136.2	•	•	14.0	55	3
Dyna-Gro 771B	135.1	134.4	125.5	13.9	56	6
REV® RV9973™	135.1	•	•	14.9	55	2
Triumph TR 4941	135.1	•	•	14.1	58	7
Dyna-Gro 766B	133.8	•	•	13.7	59	8
Dyna-Gro CX12522	128.6	•	•	13.4	56	7
BH 5227	119.4	•	•	14.6	54	6
GRAND MEAN	139.4	•	•	14.4	57	5
LSD (5%)	8.2	•	•	0.4	•	•
C.V.	4.9	•	•	2.6	•	•

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.

Soil Series	Hebert silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	N/A
Preplant Fertilizer	60 lb/A K, March 6
Planting Date	April 10
Irrigation Dates	May 18, May 29, June 8, June 27, July 6
Sidedress Fertilizer	88 lb/A N, May 7; 88 lb/A N, May 29
Herbicide Application(s)	Atrazine + Dual II Magnum, April 10
Insecticide Application(s)	N/A
Harvest Date	August 16

Precipitation (inches)

	April	May	June	July	August	Total
2012	3.0	0.7	4.2	2.6	7.1	17.5
Average	4.8	5.1	3.8	3.7	2.5	19.8
Departure	-1.8	-4.4	0.5	-1.1	4.6	-2.3

Table 6. Performance of Non-Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2012.

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 84P80	134.2	134.9	•	14.9	46	2
Dyna-Gro 765B	130.2	•	•	15.3	54	5
REV® RV9823™	129.6	•	•	15.1	52	5
REV® RV9883™	128.4	•	•	14.9	54	5
REV® RV9782™	127.2	•	•	14.8	48	4
REV® RV9953™	126.6	•	•	15.5	48	2
Pioneer 83P99	124.8	•	•	15.8	46	1
Triumph TR 4951	124.0	•	•	14.7	51	5
DEKALB DKS53-67	122.2	132.2	128.6	15.7	52	5
Pioneer 84G62	121.1	123.0	118.5	14.7	47	5
Triumph TRX 85131	120.7	•	•	16.1	47	4
Pioneer 83P17	120.5	122.5	117.3	15.8	51	3
REV® RV9803™	116.9	•	•	15.1	49	3
Dyna-Gro 772B	115.0	117.3	118.8	15.4	47	7
Dyna-Gro 771B	113.7	116.2	118.4	15.5	49	2
Dyna-Gro 766B	113.2	•	•	14.9	49	8
BH 5566	112.8	117.6	•	15.0	46	2
Triumph TR 4941	112.2	•	•	15.4	50	6
REV® RV9973™	110.0	•	•	15.7	48	3
BH 5227	102.3	•	•	15.2	44	3
Dyna-Gro CX12522	99.3	•	•	14.9	50	7
GRAND MEAN	119.3	•	•	15.2	49	4
LSD (5%)	7.6	•	•	0.6	•	•
C.V.	5.4	•	•	3.5	•	•

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.

Soil Series	Hebert silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	N/A
Preplant Fertilizer	60 lb/A K, March 6
Planting Date	April 10
Sidedress Fertilizer	88 lb/A N, May 7; 88 lb/A N, May 29
Herbicide Application(s)	Atrazine + Dual II Magnum, April 10
Insecticide Application(s)	N/A
Harvest Date	August 14

Precipitation (inches)

	April	May	June	July	August	Total
2012	3.0	0.7	4.2	2.6	7.1	17.5
Average	4.8	5.1	3.8	3.7	2.5	19.8
Departure	-1.8	-4.4	0.5	-1.1	4.6	-2.3

Table 7. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2012¹.

Hybrid Name	Keiser	Marianna	Stuttgart	Rohwer	Bell Farm	Average
bu./A.....					
<u>Early- to Mid-Season Hybrids</u>						
AgriGold A6489VT3	209.7	180.9	209.8	210.8	216.1	205.5
AgriGold A6517VT3Pro	213.1	206.4	219.9	229.6	225.7	218.9
AgriGold A6533VT3	193.6	210.1	207.9	218.1	233.8	212.7
AgriGold A6553VT2RIB	206.7	170.8	207.9	235.7	214.2	207.1
AgriGold A6573VT3Pro	228.9	183.7	208.6	225.8	220.3	213.5
AgriGold A6632VT2RIB	218.8	191.4	203.8	220.3	218.9	210.6
AgriGold A6659VT3Pro	289.8	223.6	241.4	246.1	206.8	241.5
AgriGold A6679VT3Pro	253.4	218.3	239.0	240.4	203.7	231.0
Armor 1111PRO3	200.8	205.3	211.1	221.8	217.0	211.2
Armor 1133PRO3	224.3	217.0	218.2	224.8	221.0	221.0
Armor 1161PRO2	201.3	186.5	189.5	212.2	214.6	200.8
Armor 1262PRO2	203.6	172.5	202.2	191.5	217.4	197.4
Armor 1330PRO3	205.9	203.1	205.5	204.7	214.1	206.7
Armor 1415PRO3	229.5	216.7	204.4	204.9	220.1	215.1
Armor 1550PRO3	243.2	216.7	211.6	220.1	217.6	221.8
Armor 1655PRO2	266.5	194.4	207.7	216.9	206.3	218.3
BH Gen. BH 8492SS	184.9	180.1	206.1	215.0	203.8	198.0
BH Gen. BH 8570VTTP	189.2	191.4	• ²	197.5	216.8	198.7 ²
BH Gen. BH 8630VTTP	267.9	200.1	234.9	217.7	212.0	226.5
BH Gen. XP 8550VTTP	217.6	181.8	231.5	197.5	210.4	207.7
Croplan 6175 VT3P	190.6	180.7	196.2	172.8	222.7	192.6
Croplan 6640 VT3P	280.1	188.8	243.1	247.4	232.4	238.4
Croplan 6725 VT3P	218.9	181.9	217.7	211.0	215.3	209.0
Croplan 6926 VT3P	243.8	220.5	• ²	200.7	211.3	219.1 ²
DEKALB DKC61-88	229.6	212.8	226.0	193.9	207.3	213.9
DEKALB DKC62-09	267.1	222.7	245.9	225.3	228.2	237.9
DEKALB DKC63-87	210.2	195.2	222.7	232.0	213.8	214.8
DEKALB DKC64-69	282.1	217.7	237.9	225.5	211.2	234.9
DEKALB DKC64-83	206.2	202.6	201.7	227.0	226.4	212.8
DEKALB DKC65-19	241.9	220.4	214.7	216.3	239.0	226.5
DEKALB DKC66-86	232.3	203.5	231.7	227.7	207.4	220.5
DEKALB DKC66-97	235.3	227.5	228.3	237.8	225.8	230.9
Delta Grow 2688 GTCBLL	279.8	186.5	206.4	208.0	225.8	221.3
Delta Grow 2788 CBLL	254.4	189.2	209.9	236.2	219.1	221.8
Delta Grow 2888 GTCBLL	222.1	190.4	204.3	227.8	200.5	209.0
Delta Grow 3588 GTCBLL	235.4	202.9	220.6	203.8	218.0	216.1
Delta Grow 3788 GTCBLL	223.7	184.4	182.7	225.9	212.0	205.7
Delta Grow 4725 VIPGTCBLL	250.3	197.2	203.6	217.7	208.5	215.5

Table 7. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2012¹, continued.

Hybrid Name	Keiser	Marianna	Stuttgart	Rohwer	Bell Farm	Average
bu./A.....					
<u>Early- to Mid-Season Hybrids Continued</u>						
Delta Grow 6388 GTCBLL	257.6	210.1	208.2	217.8	220.0	222.7
Delta Grow 6488 GTCBLL	252.4	194.5	221.8	229.4	206.6	220.9
Dyna-Gro D52VC91	288.3	203.0	231.3	203.7	213.2	227.9
Dyna-Gro D54VP81	263.1	196.8	218.9	211.1	222.7	222.5
Dyna-Gro D55VP77	264.3	219.8	209.0	213.1	223.1	225.8
Dyna-Gro D56VP10	213.6	176.8	197.7	211.1	207.8	201.4
Dyna-Gro D56VP24	235.4	210.0	226.7	236.1	220.6	225.7
Golden Acres GA 26V21	198.1	217.1	199.3	207.1	202.0	204.7
Golden Acres GA G5531	232.0	209.9	217.7	208.6	220.2	217.7
LG2602VT3Pro	229.8	221.4	203.6	204.7	207.9	213.5
LG2636VT3Pro	209.2	185.9	221.1	239.7	223.9	216.0
LG5630VT3Pro	238.2	171.1	206.1	194.1	208.1	203.5
Merschman 9810VT3PRO	210.8	229.2	219.0	239.7	222.3	224.2
Merschman M-1015B-15	224.0	208.6	214.6	207.3	226.8	216.3
MorCorn MC4234VT2P	207.9	206.6	• ²	186.8	223.1	206.1 ²
MorCorn MC4338VT3P	247.2	217.2	217.4	210.3	218.4	222.1
MorCorn MC4344VT2P	201.3	198.1	211.6	211.4	216.6	207.8
NK N68B-3111 Brand	240.8	204.2	202.3	220.3	219.8	217.5
NK N74G-3000GT Brand	217.1	189.2	199.9	201.0	214.6	204.4
NK N77P-3111 Brand	230.7	195.9	222.4	217.3	206.4	214.6
NK N78S-3111 Brand	223.0	206.2	218.4	223.4	229.4	220.1
Pioneer P1615HR	248.6	220.7	201.0	240.8	221.6	226.6
REV@21HR33™	221.0	185.8	214.7	212.7	225.7	212.0
REV@22BHR43™	195.0	195.0	205.6	210.3	199.7	201.1
REV@23RE73™	227.6	188.1	194.5	219.4	216.8	209.3
REV@24BHR93™	233.0	225.4	205.6	222.3	224.2	222.1
REV@25BHR63™	220.3	200.1	187.4	217.7	214.4	208.0
REV@26HR50™	255.5	241.6	218.8	234.6	216.0	233.3
REV@26R60™	186.7	180.1	199.2	205.3	216.2	197.5
Triumph TRX21343H	226.5	200.9	215.4	204.3	219.7	213.4
GRAND MEAN	230.2	201.2	213.3	216.9	216.8	215.7
LSD (5%)	33.0	26.6	19.0	18.0	16.2	22.5
C.V.	12.3	9.7	7.6	6.1	6.4	8.4

Table 7. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2012¹, continued.

Hybrid Name	Keiser	Marianna	Stuttgart	Rohwer	Bell Farm	Average
bu./A.....					
<u>Mid- to Full-Season</u>						
Armor 1770PRO3	219.1	188.2	199.7	196.9	201.2	201.0
Armor 1880PRO3	265.6	204.5	221.2	216.5	205.9	222.7
BH Gen. BH 8740VTTP	222.5	190.2	188.1	208.6	193.2	200.5
BH Gen. X10077VT3P	198.7	189.5	196.0	206.9	205.3	199.3
Croplan 8410 VT3P	263.9	201.6	222.6	223.7	197.6	221.9
Croplan 8621 VT3P	224.8	197.7	242.4	216.0	211.5	218.5
DEKALB DKC67-88	268.8	197.2	228.0	218.6	193.5	221.2
Delta Grow 3660 3000GT	216.4	216.2	220.6	207.1	201.9	212.4
Delta Grow 4760 3000GT	199.7	191.4	224.1	234.7	222.2	214.4
Dyna-Gro CX12117	239.0	191.3	223.9	201.7	209.5	213.1
Dyna-Gro D57VP51	259.9	210.9	213.9	212.1	223.9	224.1
Dyna-Gro D58VP30	274.8	188.3	220.2	202.6	204.2	218.0
Golden Acres GA 27V01	258.8	209.1	212.5	215.0	206.0	220.3
Golden Acres GA 28V81	249.1	190.6	213.0	212.3	205.1	214.0
Merschman M-1215D-15	201.9	162.9	186.7	196.3	203.7	190.3
Merschman M-816A-10	278.6	167.3	182.2	178.3	184.3	198.1
Pioneer P1745HR	244.7	195.0	211.2	207.4	197.8	211.2
Pioneer P2088YHR	247.9	221.3	234.4	215.6	223.0	228.4
REV@27HR52™	239.1	192.6	206.5	187.7	203.2	205.8
REV@27HR83™	213.7	196.6	199.5	203.5	197.5	202.1
REV@28HR20™	267.6	209.6	200.4	235.6	201.1	222.8
REV@28HR29™	245.4	202.0	219.5	206.9	195.8	213.9
REV@28HR30™	275.2	198.5	217.2	214.1	194.3	219.8
REV@28R10™	272.5	197.2	219.4	214.6	204.2	221.6
REV@29HR13™	263.1	205.1	218.8	211.1	192.0	218.0
Triumph 1956H	284.1	205.1	194.3	198.9	200.8	216.6
GRAND MEAN	245.9	196.9	212.2	209.3	203.0	213.5
LSD (5%)	27.8	21.3	13.9	17.6	19.1	19.9
C.V.	9.6	9.2	5.5	7.1	8.0	7.9

¹ Keiser = Northeast 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.

² A reportable yield could not be obtained for these hybrids at the Stuttgart location due to extensive lodging caused by animal predation. The yields in the "Average" column for these hybrids do not include the Stuttgart location.

Table 8. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2012.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
<u>Early- to Mid-Season Hybrids</u>								
AgriGold A6659VT3Pro	289.8	•	•	14.6	0.0	0.0	37	33854
Dyna-Gro D52VC91	288.3	•	•	14.5	0.0	0.0	33	35113
DEKALB DKC64-69	282.1	239.6	237.9	14.9	0.0	0.0	39	35204
Croplan 6640 VT3P	280.1	•	•	14.7	0.0	0.0	37	35656
Delta Grow 2688 GTCBLL	279.8	•	•	15.0	0.0	0.0	39	36561
BH Gen. BH 8630VTTP	267.9	•	•	14.8	0.0	0.0	35	35023
DEKALB DKC62-09	267.1	•	•	14.6	0.0	0.0	36	37195
Armor 1655PRO2	266.5	•	•	14.7	0.0	0.0	42	33665
Dyna-Gro D55VP77	264.3	•	•	15.1	0.0	0.0	26	35475
Dyna-Gro D54VP81	263.1	245.8	•	15.0	0.0	0.0	33	33123
Delta Grow 6388 GTCBLL	257.6	•	•	14.3	0.0	0.0	35	37376
REV@26HR50™	255.5	229.0	229.2	14.7	0.0	0.0	41	30861
Delta Grow 2788 CBLL	254.4	•	•	14.7	0.0	0.0	36	36306
AgriGold A6679VT3Pro	253.4	221.7	•	15.3	0.0	0.0	36	35113
Delta Grow 6488 GTCBLL	252.4	•	•	14.9	0.0	0.0	41	35475
Delta Grow 4725 VIPGTCBLL	250.3	•	•	14.4	0.0	0.0	39	35294
Pioneer P1615HR	248.6	231.7	217.7	15.5	0.0	0.0	42	32670
MorCorn MC4338VT3P	247.2	•	•	14.6	0.0	0.0	26	33032
Croplan 6926 VT3P	243.8	222.0	•	14.9	0.0	0.0	32	35747
Armor 1550PRO3	243.2	•	•	14.9	0.0	0.0	27	34862
DEKALB DKC65-19	241.9	231.8	•	15.0	0.0	0.0	26	33123
NK N68B-3111 Brand	240.8	224.2	•	15.0	0.0	0.0	34	33032
LG5630VT3Pro	238.2	•	•	14.8	0.0	0.0	29	33853
Delta Grow 3588 GTCBLL	235.4	•	•	14.5	0.0	0.0	36	34842
Dyna-Gro D56VP24	235.4	213.3	205.9	14.5	0.0	0.0	36	35747
DEKALB DKC66-97	235.3	•	•	14.5	0.0	0.0	33	37195
REV@24BHR93™	233.0	•	•	14.8	0.0	0.0	39	31223
DEKALB DKC66-86	232.3	•	•	14.6	0.0	0.0	32	33122
Golden Acres GA G5531	232.0	•	•	14.8	0.0	0.0	32	33756
NK N77P-3111 Brand	230.7	•	•	14.8	0.0	0.0	38	34480
LG2602VT3Pro	229.8	•	•	14.7	0.0	0.0	31	32127
DEKALB DKC61-88	229.6	224.5	•	14.9	0.0	0.0	36	38914
Armor 1415PRO3	229.5	214.0	208.0	15.1	0.0	0.0	31	30046
AgriGold A6573VT3Pro	228.9	•	•	14.8	0.0	0.0	31	33032
REV@23RE73™	227.6	•	•	14.5	0.0	0.0	37	29791
Triumph TRX21343H	226.5	•	•	14.5	0.0	0.0	33	32218
Armor 1133PRO3	224.3	•	•	14.0	0.0	0.0	30	35113
Merschman M-1015B-15	224.0	225.7	•	15.1	0.0	0.0	31	34299
Delta Grow 3788 GTCBLL	223.7	•	•	14.5	0.0	0.0	43	36561
NK N78S-3111 Brand	223.0	•	•	14.7	0.0	0.0	29	33846
Delta Grow 2888 GTCBLL	222.1	•	•	15.2	0.0	0.0	37	36290
REV@21HR33™	221.0	•	•	14.6	0.0	0.0	31	32761
REV@25BHR63™	220.3	•	•	15.2	0.0	0.0	34	32768
Croplan 6725 VT3P	218.9	212.0	198.8	15.1	0.0	0.0	35	36199
AgriGold A6632VT2RIB	218.8	•	•	14.7	0.0	0.0	30	35747

Table 8. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2012, 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>								
BH Gen. XP 8550VTTP	217.6	•	•	14.7	0.0	0.0	37	34751
NK N74G-3000GT Brand	217.1	•	•	14.7	0.0	0.0	33	33756
Dyna-Gro D56VP10	213.6	•	•	15.0	0.0	0.0	29	35385
AgriGold A6517VT3Pro	213.1	•	•	15.2	0.0	0.0	29	34118
Merschman 9810VT3PRO	210.8	•	•	15.2	0.0	0.0	37	34027
DEKALB DKC63-87	210.2	•	•	15.0	0.0	0.0	39	36508
AgriGold A6489VT3	209.7	207.7	196.7	13.9	0.0	0.0	35	34480
LG2636VT3Pro	209.2	•	•	14.4	0.0	0.0	29	34570
MorCorn MC4234VT2P	207.9	•	•	14.9	0.0	0.0	27	34118
AgriGold A6553VT2RIB	206.7	•	•	14.9	0.0	0.0	29	33665
DEKALB DKC64-83	206.2	202.6	199.3	14.2	0.0	0.0	31	36290
Armor 1330PRO3	205.9	•	•	14.5	0.0	0.0	33	34208
Armor 1262PRO2	203.6	209.3	201.1	14.8	0.0	0.0	30	34570
Armor 1161PRO2	201.3	•	•	14.7	0.0	0.0	30	34027
MorCorn MC4344VT2P	201.3	•	•	14.3	0.0	0.0	37	32941
Armor 1111PRO3	200.8	•	•	15.0	0.0	0.0	32	35113
Golden Acres GA 26V21	198.1	•	•	15.1	0.0	0.0	36	34299
REV@22BHR43™	195.0	•	•	14.8	0.0	0.0	33	30861
AgriGold A6533VT3	193.6	199.7	193.2	14.6	0.0	0.0	31	34661
Croplan 6175 VT3P	190.6	•	•	14.3	0.0	0.0	31	34858
BH Gen. BH 8570VTTP	189.2	197.3	•	15.0	0.0	0.0	31	37275
REV@26R60™	186.7	175.8	180.5	14.7	0.0	0.0	30	32670
BH Gen. BH 8492SS	184.9	193.9	•	15.2	0.0	0.0	29	36018
GRAND MEAN	230.2	•	•	14.8	0.0	0.0	34	34424
LSD (5%)	33.0	•	•	0.6	•	•	•	1760
C.V.	12.3	•	•	3.6	•	•	•	4

Table 8. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2012, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹	3-Year ²	Grain		Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
		Avg. bu./A	Avg. bu./A	Moisture %	Root ³ Lodging			
<u>Mid- to Full-Season</u>								
Triumph 1956H	284.1	229.4	•	15.0	0.0	0.0	45	32188
Merschman M-816A-10	278.6	249.8	•	15.4	0.0	0.0	39	32974
REV@28HR30™	275.2	241.2	230.1	15.5	0.0	0.0	42	32399
Dyna-Gro D58VP30	274.8	240.8	•	15.1	0.0	0.0	45	35385
REV@28R10™	272.5	245.3	237.4	15.3	0.0	0.0	39	30227
DEKALB DKC67-88	268.8	243.6	247.7	15.8	0.0	0.0	38	34118
REV@28HR20™	267.6	240.0	230.2	15.1	0.0	0.0	45	33123
Armor 1880PRO3	265.6	•	•	14.4	0.0	0.0	39	32308
Croplan 8410 VT3P	263.9	•	•	14.9	0.0	0.0	27	37557
REV@29HR13™	263.1	•	•	15.3	0.0	0.0	40	31223
Dyna-Gro D57VP51	259.9	•	•	15.4	0.0	0.0	36	34570
Golden Acres GA 27V01	258.8	•	•	15.2	0.0	0.0	35	31584
Golden Acres GA 28V81	249.1	230.9	221.2	14.8	0.0	0.0	41	32761
Pioneer P2088YHR	247.9	•	•	15.2	0.0	0.0	41	32580
REV@28HR29™	245.4	228.6	209.5	15.5	0.0	0.0	35	31766
Pioneer P1745HR	244.7	•	•	14.9	0.0	0.0	38	31223
REV@27HR52™	239.1	206.8	•	14.9	0.0	0.0	29	33094
Dyna-Gro CX12117	239.0	•	•	14.5	0.0	0.0	42	32670
Croplan 8621 VT3P	224.8	•	•	14.9	0.0	0.0	35	34712
BH Gen. BH 8740VTTP	222.5	•	•	14.9	0.0	0.0	37	33213
Armor 1770PRO3	219.1	•	•	14.9	0.0	0.0	34	33304
Delta Grow 3660 3000GT	216.4	•	•	15.2	0.0	0.0	34	34208
REV@27HR83™	213.7	•	•	15.2	0.0	0.0	42	30408
Merschman M-1215D-15	201.9	•	•	14.6	0.0	0.0	30	32761
Delta Grow 4760 3000GT	199.7	•	•	15.3	0.0	0.0	35	34306
BH Gen. X10077VT3P	198.7	•	•	14.9	0.0	0.0	29	35475
GRAND MEAN	245.9	•	•	15.1	0.0	0.0	37	33082
LSD (5%)	27.8	•	•	0.6	•	•	•	1447
C.V.	9.6	•	•	3.3	•	•	•	4

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.³ Average number of plants per hybrid.

Soil Series	Sharkey clay
Soil pH	6.9
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	N/A
Preplant Fertilizer	50 lb/A N, 25 lb/A P, 25 lb/A K, March 30
Planting Date	April 6
Irrigation Dates	May 30, June 14, June 22, July 2, July 10, July 23, August 1
Sidedress Fertilizer	135 lb/A N, May 11; 135 lb/A N, May 18
Herbicide Application(s)	Atrazine + Dual Magnum, April 6
Insecticide Application(s)	N/A
Harvest Date	Early Hybrids, August 29; Late Hybrids, August 29

Precipitation (inches)

	April	May	June	July	August	Total
2012	1.2	4.2	2.5	2.4	1.2	11.4
Average	4.8	5.4	4.0	4.0	2.4	20.5
Departure	-3.6	-1.2	-1.5	-1.7	-1.2	-9.1

Table 9. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2012.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
<u>Early- to Mid-Season Hybrids</u>								
REV@26HR50™	241.6	205.6	208.1	19.7	0.0	0.0	28	29438
Merschman 9810VT3PRO	229.2	•	•	20.3	0.0	0.0	31	34705
DEKALB DKC66-97	227.5	•	•	18.3	0.0	0.0	31	36682
REV@24BHR93™	225.4	•	•	18.5	0.0	0.0	41	31638
AgriGold A6659VT3Pro	223.6	•	•	18.2	0.0	0.0	37	32642
DEKALB DKC62-09	222.7	•	•	16.6	0.0	0.0	32	38058
LG2602VT3Pro	221.4	•	•	18.4	0.0	0.0	29	32835
Pioneer P1615HR	220.7	195.4	201.6	19.5	0.0	0.0	35	32861
Croplan 6926 VT3P	220.5	202.5	•	17.7	0.0	0.0	28	36316
DEKALB DKC65-19	220.4	190.3	•	17.9	0.0	0.0	25	35399
Dyna-Gro D55VP77	219.8	•	•	17.9	0.0	0.0	31	35306
AgriGold A6679VT3Pro	218.3	202.7	•	19.9	0.0	0.0	38	33335
DEKALB DKC64-69	217.7	197.3	209.2	17.5	0.0	0.0	33	34542
MorCorn MC4338VT3P	217.2	•	•	19.2	0.0	0.0	30	34083
Golden Acres GA 26V21	217.1	•	•	19.4	0.0	0.0	39	32865
Armor 1133PRO3	217.0	•	•	16.0	0.0	0.0	31	34934
Armor 1550PRO3	216.7	•	•	18.9	0.0	0.0	30	33167
Armor 1415PRO3	216.7	195.5	205.8	19.4	0.0	0.0	38	32147
DEKALB DKC61-88	212.8	200.8	•	16.9	0.0	0.0	37	36529
Delta Grow 6388 GTCBLL	210.1	•	•	15.9	0.0	0.0	40	36529
AgriGold A6533VT3	210.1	197.6	198.1	16.1	0.0	0.0	32	32642
Dyna-Gro D56VP24	210.0	197.8	206.8	18.1	0.0	0.0	33	35108
Golden Acres GA G5531	209.9	•	•	18.5	0.0	0.0	31	33319
Merschman M-1015B-15	208.6	201.8	•	19.9	0.0	0.0	29	34695
MorCorn MC4234VT2P	206.6	•	•	19.1	0.0	0.0	27	35459
AgriGold A6517VT3Pro	206.4	•	•	19.2	1.0	0.0	31	33778
NK N78S-3111 Brand	206.2	•	•	19.9	0.0	0.0	35	35001
Armor 1111PRO3	205.3	•	•	17.3	0.0	0.0	34	35918
NK N68B-3111 Brand	204.2	199.8	•	17.1	0.0	0.0	32	32376
DEKALB DKC66-86	203.5	•	•	17.8	0.0	0.0	25	34236
Armor 1330PRO3	203.1	•	•	16.5	0.0	0.0	35	33472
Dyna-Gro D52VC91	203.0	•	•	17.6	0.0	0.0	32	34390
Delta Grow 3588 GTCBLL	202.9	•	•	17.2	0.0	0.0	35	37141
DEKALB DKC64-83	202.6	181.7	189.4	19.1	0.0	0.0	36	38603
Triumph TRX21343H	200.9	•	•	17.6	0.0	0.0	36	31485
BH Gen. BH 8630VTP	200.1	•	•	18.6	0.0	0.0	39	34848
REV@25BHR63™	200.1	•	•	19.7	0.0	0.0	31	33014
MorCorn MC4344VT2P	198.1	•	•	16.7	0.0	0.0	26	31043
Delta Grow 4725 VIPGTCBLL	197.2	•	•	20.5	0.0	0.0	34	34705
Dyna-Gro D54VP81	196.8	200.4	•	18.5	0.0	0.0	30	32403
NK N77P-3111 Brand	195.9	•	•	20.6	1.0	0.0	40	34440
DEKALB DKC63-87	195.2	•	•	16.7	0.0	0.0	27	35307
REV@22BHR43™	195.0	•	•	17.5	0.0	0.0	37	31027
Delta Grow 6488 GTCBLL	194.5	•	•	19.4	0.0	0.0	40	34695
Armor 1655PRO2	194.4	•	•	19.3	0.0	0.0	40	32555

Table 9. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2012, 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 %				
Early- to Mid-Season Hybrids Continued								
AgriGold A6632VT2RIB	191.4	•	•	18.8	0.0	0.0	27	34389
BH Gen. BH 8570VTTP	191.4	178.5	•	18.3	0.0	0.0	40	36224
Delta Grow 2888 GTCBLL	190.4	•	•	18.8	0.0	0.0	37	34848
Delta Grow 2788 CBLL	189.2	•	•	18.4	0.0	1.0	35	34253
NK N74G-3000GT Brand	189.2	•	•	18.6	0.0	0.0	30	31791
Croplan 6640 VT3P	188.8	•	•	17.9	0.0	0.0	34	36224
REV@23RE73™	188.1	•	•	17.8	0.0	0.0	30	28276
Armor 1161PRO2	186.5	•	•	17.4	0.0	0.0	27	33014
Delta Grow 2688 GTCBLL	186.5	•	•	21.6	0.0	0.0	35	37421
LG2636VT3Pro	185.9	•	•	18.5	0.0	0.0	32	34542
REV@21HR33™	185.8	•	•	16.1	0.0	0.0	37	33014
Delta Grow 3788 GTCBLL	184.4	•	•	19.7	0.0	0.0	35	35765
AgriGold A6573VT3Pro	183.7	•	•	18.0	0.0	0.0	38	33167
Croplan 6725 VT3P	181.9	179.8	190.2	17.6	0.0	0.0	32	36835
BH Gen. XP 8550VTTP	181.8	•	•	16.6	0.0	0.0	32	36529
AgriGold A6489VT3	180.9	190.9	196.3	17.4	0.0	0.0	35	33778
Croplan 6175 VT3P	180.7	•	•	15.7	0.0	1.0	33	31037
REV@26R60™	180.1	170.9	179.3	17.7	0.0	1.0	38	28887
BH Gen. BH 8492SS	180.1	175.6	•	17.7	0.0	0.0	27	35612
Dyna-Gro D56VP10	176.8	•	•	18.3	0.0	0.0	28	33014
Armor 1262PRO2	172.5	182.3	193.1	18.3	0.0	0.0	36	33788
LG5630VT3Pro	171.1	•	•	19.6	0.0	0.0	29	29804
AgriGold A6553VT2RIB	170.8	•	•	18.4	0.0	0.0	25	33472
GRAND MEAN	201.2	•	•	18.3	0.0	0.1	33	33991
LSD (5%)	26.6	•	•	1.1	•	•	•	1810
C.V.	9.7	•	•	4.4	•	•	•	4

Table 9. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2012, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
<u>Mid- to Full-Season</u>								
Pioneer P2088YHR	221.3	•	•	18.8	0.0	0.0	41	31326
Delta Grow 3660 3000GT	216.2	•	•	21.2	0.0	0.0	39	33702
Dyna-Gro D57VP51	210.9	•	•	19.2	0.0	0.0	33	34275
REV®28HR20™	209.6	201.9	205.0	21.1	0.0	0.0	40	32326
Golden Acres GA 27V01	209.1	•	•	19.6	0.0	0.0	38	30721
REV®29HR13™	205.1	•	•	20.9	0.0	0.0	40	30267
Triumph 1956H	205.1	180.9	•	23.0	0.0	0.0	41	33947
Armor 1880PRO3	204.5	•	•	18.0	0.0	0.0	37	33702
REV®28HR29™	202.0	189.6	186.2	22.8	0.0	0.0	37	33358
Croplan 8410 VT3P	201.6	•	•	17.9	0.0	0.0	30	36109
REV®28HR30™	198.5	197.9	199.8	22.3	0.0	0.0	43	32441
Croplan 8621 VT3P	197.7	•	•	19.4	0.0	0.0	37	34848
REV®28R10™	197.2	182.2	187.9	20.0	0.0	1.0	40	31180
DEKALB DKC67-88	197.2	197.4	201.1	20.9	0.0	0.0	43	33458
REV®27HR83™	196.6	•	•	20.0	0.0	0.0	41	32441
Pioneer P1745HR	195.0	•	•	18.6	0.0	0.0	36	30607
REV®27HR52™	192.6	179.2	•	18.6	0.0	0.0	38	32211
Delta Grow 4760 3000GT	191.4	•	•	19.4	0.0	0.0	41	32670
Dyna-Gro CX12117	191.3	•	•	19.9	0.0	0.0	38	33587
Golden Acres GA 28V81	190.6	189.6	194.2	20.0	0.0	0.0	36	33243
BH Gen. BH 8740VTTP	190.2	•	•	19.9	0.0	0.0	36	33472
BH Gen. X10077VT3P	189.5	•	•	16.5	0.0	0.0	30	36682
Dyna-Gro D58VP30	188.3	185.5	•	19.1	0.0	0.0	35	34842
Armor 1770PRO3	188.2	•	•	19.4	0.0	0.0	34	32785
Merschman M-816A-10	167.3	162.4	•	20.1	0.0	0.0	41	33816
Merschman M-1215D-15	162.9	•	•	17.9	0.0	0.0	32	34619
GRAND MEAN	196.9	•	•	19.8	0.0	0.1	38	33178
LSD (5%)	21.3	•	•	1.1	•	0.5	•	1750
C.V.	9.2	•	•	4.6	•	•	•	4

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.³ Average number of plants per hybrid.

Soil Series	Calloway silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	N/A
Preplant Fertilizer	127 lb/A N, 69 lb/A P, 50 lb/A K, March 29
Planting Date	4/3
Irrigation Dates	May 19, May 30, June 16, June 23, June 29, July 21, August 2
Sidedress Fertilizer	140 lb/A N, April 30
Herbicide Application(s)	Atrazine + Dual II Magnum, April 27; Atrazine + Dual II Magnum + Callisto, May 3
Insecticide Application(s)	N/A
Harvest Date	Early hybrids, August 15; Late hybrids, August 15

Precipitation (inches)

	April	May	June	July	August	Total
2012	1.1	1.5	0.8	2.6	0.1	6.1
Average	5.0	5.1	3.9	3.8	2.6	20.4
Departure	-3.9	-3.6	-3.1	-1.2	-2.5	-14.4

Arkansas Corn and Grain Sorghum Performance Tests 2012

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2012.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover	Plants Per Acre
Early- to Mid-Season Hybrids									
DEKALB DKC62-09	245.9	•	•	16.0	0.0	2.0	51	1	34256
Croplan 6640 VT3P	243.1	•	•	16.1	0.0	2.0	46	1	33410
AgriGold A6659VT3Pro	241.4	•	•	18.1	0.0	2.0	42	2	30873
AgriGold A6679VT3Pro	239.0	209.9	•	19.1	0.0	1.0	53	2	32247
DEKALB DKC64-69	237.9	209.3	233.7	18.2	0.0	3.0	45	1	32191
BH Gen. BH 8630VTTP	234.9	•	•	16.5	0.0	2.0	50	1	33199
DEKALB DKC66-86	231.7	•	•	16.9	0.0	3.0	45	2	31171
BH Gen. XP 8550VTTP	231.5	•	•	16.6	0.0	1.0	47	2	32459
Dyna-Gro D52VC91	231.3	•	•	16.2	0.0	4.0	46	1	32565
DEKALB DKC66-97	228.3	•	•	18.3	0.0	1.0	47	1	33177
Dyna-Gro D56VP24	226.7	196.5	212.7	16.7	0.0	2.0	53	2	32036
DEKALB DKC61-88	226.0	190.2	•	16.1	0.0	2.0	51	1	34589
DEKALB DKC63-87	222.7	•	•	15.3	0.0	3.0	52	3	31719
NK N77P-3111 Brand	222.4	•	•	18.4	0.0	1.0	47	1	30661
Delta Grow 6488 GTCBLL	221.8	•	•	17.6	0.0	2.0	53	2	33622
LG2636VT3Pro	221.1	•	•	16.0	0.0	1.0	40	1	32036
Delta Grow 3588 GTCBLL	220.6	•	•	16.2	0.0	2.0	49	2	32776
AgriGold A6517VT3Pro	219.9	•	•	16.5	0.0	3.0	47	1	30978
Merschman 9810VT3PRO	219.0	•	•	18.9	0.0	3.0	49	3	30767
Dyna-Gro D54VP81	218.9	202.3	•	16.7	0.0	2.0	43	1	31507
REV@26HR50™	218.8	190.5	213.8	19.4	0.0	3.0	52	3	27538
NK N78S-3111 Brand	218.4	•	•	20.1	0.0	0.0	49	2	31930
Armor 1133PRO3	218.2	•	•	16.7	0.0	3.0	44	2	30450
Croplan 6725 VT3P	217.7	192.0	213.0	16.2	0.0	1.0	51	2	31930
Golden Acres GA G5531	217.7	•	•	17.7	0.0	2.0	46	1	30662
MorCorn MC4338VT3P	217.4	•	•	17.8	0.0	0.0	36	2	30358
Triumph TRX21343H	215.4	•	•	16.3	0.0	3.0	52	1	28970
DEKALB DKC65-19	214.7	194.0	•	16.8	0.0	2.0	42	2	31824
REV@21HR33™	214.7	•	•	17.0	0.0	2.0	46	3	31190
Merschman M-1015B-15	214.6	192.4	•	18.2	0.0	4.0	46	1	30749
Armor 1550PRO3	211.6	•	•	17.6	0.0	2.0	42	1	31345
MorCorn MC4344VT2P	211.6	•	•	15.6	0.0	2.0	48	3	28501
Armor 1111PRO3	211.1	•	•	16.4	0.0	1.0	43	1	31190
Delta Grow 2788 CBLL	209.9	•	•	19.3	0.0	1.0	48	1	32017
AgriGold A6489VT3	209.8	189.5	210.7	15.9	0.0	1.0	44	2	30978
Dyna-Gro D55VP77	209.0	•	•	16.9	0.0	5.0	36	2	33037
AgriGold A6573VT3Pro	208.6	•	•	15.7	0.0	1.0	42	1	30767
Delta Grow 6388 GTCBLL	208.2	•	•	15.7	0.0	2.0	52	2	32192
AgriGold A6533VT3	207.9	186.0	213.0	15.9	0.0	1.0	46	1	30873
AgriGold A6553VT2RIB	207.9	•	•	16.6	0.0	1.0	42	1	31719
Armor 1655PRO2	207.7	•	•	17.0	0.0	2.0	46	1	30556
Delta Grow 2688 GTCBLL	206.4	•	•	23.3	0.0	1.0	42	1	33304
BH Gen. BH 8492SS	206.1	187.3	187.3	15.3	0.0	3.0	40	1	33199
LG5630VT3Pro	206.1	•	•	15.9	0.0	2.0	44	1	30661
REV@22BHR43™	205.6	•	•	17.1	0.0	2.0	46	2	27489

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2012, continued.

Brand/Hybrid	Yield	2-Year ¹	3-Year ²	Grain	Root ³ Lodging	Stalk ³ Lodging	Ear		Plants Per Acre
	bu./A	Avg. bu./A	Avg. bu./A	Moisture %			Height Inches	Tip ⁴ Cover	
<u>Early- to Mid-Season Hybrids Continued</u>									
REV@24BHR93™	205.6	•	•	19.1	0.0	3.0	53	2	28385
Armor 1330PRO3	205.5	•	•	16.3	0.0	3.0	44	2	30450
Armor 1415PRO3	204.4	175.9	202.0	18.1	0.0	3.0	51	2	27647
Delta Grow 2888 GTCBLL	204.3	•	•	18.5	0.0	2.0	57	1	32564
AgriGold A6632VT2RIB	203.8	•	•	17.4	0.0	2.0	48	1	31613
LG2602VT3Pro	203.6	•	•	16.7	0.0	2.0	41	1	29816
Delta Grow 4725 VIPGTCBLL	203.6	•	•	18.7	0.0	2.0	42	1	31930
NK N68B-3111 Brand	202.3	186.4	•	15.4	0.0	2.0	44	1	30979
Armor 1262PRO2	202.2	182.0	206.8	15.7	0.0	6.0	48	2	31190
DEKALB DKC64-83	201.7	184.8	211.1	17.4	0.0	3.0	43	1	33410
Pioneer P1615HR	201.0	186.7	210.1	19.1	0.0	7.0	58	1	29181
NK N74G-3000GT Brand	199.9	•	•	16.4	0.0	2.0	51	1	30450
Golden Acres GA 26V21	199.3	•	•	19.0	0.0	2.0	51	1	29795
REV@26R60™	199.2	173.5	198.0	18.7	0.0	4.0	44	1	28229
Dyna-Gro D56VP10	197.7	•	•	16.8	0.0	4.0	49	2	31084
Croplan 6175 VT3P	196.2	•	•	14.9	0.0	1.0	49	2	30501
REV@23RE73™	194.5	•	•	16.4	0.0	2.0	57	3	25392
Armor 1161PRO2	189.5	•	•	15.0	0.0	3.0	38	1	30556
REV@25BHR63™	187.4	•	•	20.4	0.0	3.0	52	2	28916
Delta Grow 3788 GTCBLL	182.7	•	•	20.3	0.0	5.0	50	1	31930
GRAND MEAN	213.3	•	•	17.2	0.0	2.2	47	2	31133
LSD (5%)	19.0	•	•	1.5	•	•	•	•	1124
C.V.	7.6	•	•	7.2	•	•	•	•	3

Arkansas Corn and Grain Sorghum Performance Tests 2012

Table 10. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2012, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover	Plants Per Acre
Mid- to Full-Season									
Croplan 8621 VT3P	242.4	•	•	18.1	0.0	1.0	50	3	31969
Pioneer P2088YHR	234.4	•	•	18.8	0.0	1.0	58	2	28583
DEKALB DKC67-88	228.0	222.3	242.9	20.1	0.0	1.0	51	1	29181
Delta Grow 4760 3000GT	224.1	•	•	18.4	0.0	2.0	47	1	30767
Dyna-Gro CX12117	223.9	•	•	16.9	0.0	1.0	55	1	30700
Croplan 8410 VT3P	222.6	•	•	19.4	0.0	1.0	43	1	35349
Armor 1880PRO3	221.2	•	•	16.9	0.0	2.0	50	1	29350
Delta Grow 3660 3000GT	220.6	•	•	20.1	0.0	2.0	46	1	30275
Dyna-Gro D58VP30	220.2	195.6	•	17.0	0.0	1.0	54	1	31930
REV®28HR29™	219.5	196.8	215.0	22.0	0.0	1.0	58	1	28970
REV®28R10™	219.4	192.4	213.9	20.1	0.0	1.0	52	1	26975
REV®29HR13™	218.8	•	•	18.6	0.0	2.0	55	2	27316
REV®28HR30™	217.2	192.8	212.8	23.7	0.0	3.0	52	3	29604
Dyna-Gro D57VP51	213.9	•	•	19.0	0.0	1.0	39	1	30418
Golden Acres GA 28V81	213.0	198.5	208.9	16.9	0.0	1.0	48	1	29393
Golden Acres GA 27V01	212.5	•	•	17.7	0.0	1.0	50	1	27880
Pioneer P1745HR	211.2	•	•	18.2	0.0	2.0	49	2	27066
REV®27HR52™	206.5	184.6	•	19.6	0.0	1.0	43	3	27413
REV®28HR20™	200.4	196.0	213.6	19.9	0.0	8.0	57	2	29852
Armor 1770PRO3	199.7	•	•	18.7	0.0	2.0	39	1	28723
REV®27HR83™	199.5	•	•	19.0	0.0	3.0	54	3	27172
BH Gen. X10077VT3P	196.0	•	•	15.5	0.0	2.0	43	2	31613
Triumph 1956H	194.3	171.5	•	27.3	0.0	1.0	64	2	27912
BH Gen. BH 8740VTTP	188.1	•	•	19.0	0.0	2.0	52	1	29604
Merschman M-1215D-15	186.7	•	•	16.5	0.0	2.0	40	1	28970
Merschman M-816A-10	182.2	182.4	•	20.3	0.0	6.0	60	3	29816
GRAND MEAN	212.2	•	•	19.1	0.0	1.9	50	2	29492
LSD (5%)	13.9	•	•	1.3	•	2.6	•	•	1349
C.V.	5.5	•	•	5.7	•	•	•	•	4

¹ Average yield for 2011 and 2012.

² Average yield for 2010, 2011, and 2012.

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 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
Soil pH	6.8
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	N/A
Preplant Fertilizer	80 lb/A N, 100 lb/A P, 90 lb/A K, 15 lb/A S, 10 lb/A Zn, April 9
Planting Date	April 13
Irrigation Dates	May 23, June 4, June 20, June 28, July 10, July 25, August 1
Sidedress Fertilizer	200 lb/A N, May 21, 180 lb/A N, May 30
Herbicide Application(s)	Bicep II Magnum, May 6
Insecticide Application(s)	Intrepid + Mustang Max, July 3; Intrepid + Mustang Max, July 20
Harvest Date	Early hybrids, August 29; Late hybrids, August 29

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2012	2.1	1.6	3.2	3.8	6.0	4.9	21.6
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	-3.9	-4.6	-0.4	0.7	2.9	1.9	-3.4

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, Ark, 2012.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
<u>Early- to Mid-Season Hybrids</u>								
Croplan 6640 VT3P	247.4	•	•	15.8	0.0	0.0	40	33702
AgriGold A6659VT3Pro	246.1	•	•	16.6	0.0	0.0	40	33846
Pioneer P1615HR	240.8	221.0	211.1	17.6	0.0	0.0	50	31638
AgriGold A6679VT3Pro	240.4	220.6	•	18.1	0.0	0.0	49	34046
LG2636VT3Pro	239.7	•	•	17.0	0.0	0.0	37	34046
Merschman 9810VT3PRO	239.7	•	•	18.3	0.0	0.0	41	32784
DEKALB DKC66-97	237.8	•	•	16.5	0.0	0.0	38	34848
Delta Grow 2788 CBLL	236.2	•	•	17.4	0.0	0.0	44	35650
Dyna-Gro D56VP24	236.1	227.2	215.3	17.0	0.1	0.0	42	33243
AgriGold A6553VT2RIB	235.7	•	•	16.7	0.0	0.0	35	34046
REV@26HR50™	234.6	220.0	200.6	18.5	0.0	0.0	44	28658
DEKALB DKC63-87	232.0	•	•	16.4	0.0	0.0	42	34046
AgriGold A6517VT3Pro	229.6	•	•	16.8	0.0	0.0	41	32670
Delta Grow 6488 GTCBLL	229.4	•	•	17.6	0.0	0.0	48	35421
Delta Grow 2888 GTCBLL	227.8	•	•	17.9	0.0	0.0	44	34733
DEKALB DKC66-86	227.7	•	•	16.0	0.0	0.0	41	31065
DEKALB DKC64-83	227.0	216.1	211.5	16.8	0.0	0.0	40	33129
Delta Grow 3788 GTCBLL	225.9	•	•	17.6	0.0	0.0	44	34963
AgriGold A6573VT3Pro	225.8	•	•	16.2	0.0	0.0	32	34104
DEKALB DKC64-69	225.5	226.4	215.1	17.6	0.0	0.0	42	32326
DEKALB DKC62-09	225.3	•	•	16.1	0.0	0.0	46	32899
Armor 1133PRO3	224.8	•	•	15.7	0.0	0.0	39	30493
NK N78S-3111 Brand	223.4	•	•	18.0	0.0	0.0	45	32441
REV@24BHR93™	222.3	•	•	17.2	0.0	0.0	44	30263
Armor 1111PRO3	221.8	•	•	16.4	0.0	0.0	41	33931
AgriGold A6632VT2RIB	220.3	•	•	17.3	0.0	0.0	35	34963
NK N68B-3111 Brand	220.3	216.8	•	17.0	0.0	0.0	40	30606
Armor 1550PRO3	220.1	•	•	17.1	0.0	0.0	35	33416
REV@23RE73™	219.4	•	•	15.5	0.0	0.0	46	27588
AgriGold A6533VT3	218.1	218.2	220.7	16.3	0.0	0.0	40	31065
Delta Grow 6388 GTCBLL	217.8	•	•	16.3	0.0	0.0	39	31638
Delta Grow 4725 VIPGTCBLL	217.7	•	•	17.5	0.0	0.0	44	31638
BH Gen. BH 8630VTTP	217.7	•	•	16.1	0.0	0.0	36	28513
REV@25BHR63™	217.7	•	•	17.6	0.0	0.0	44	30950
NK N77P-3111 Brand	217.3	•	•	18.1	0.0	0.0	42	30034
Armor 1655PRO2	216.9	•	•	17.6	0.0	0.0	49	32441
DEKALB DKC65-19	216.3	206.8	•	16.9	0.0	0.0	33	32097
BH Gen. BH 8492SS	215.0	200.2	•	17.3	0.0	0.0	37	33358
Dyna-Gro D55VP77	213.1	•	•	16.8	0.0	0.0	38	33702
REV@21HR33™	212.7	•	•	15.9	0.0	0.0	43	29346
Armor 1161PRO2	212.2	•	•	16.3	0.0	0.0	34	31524
MorCorn MC4344VT2P	211.4	•	•	15.5	0.0	0.0	42	29116
Dyna-Gro D54VP81	211.1	216.1	•	17.7	0.0	0.0	39	31180
Dyna-Gro D56VP10	211.1	•	•	16.7	0.0	0.0	39	30063
Croplan 6725 VT3P	211.0	211.3	196.0	16.7	0.0	0.0	42	32556

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2012, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
<u>Early- to Mid-Season Hybrids Continued</u>								
AgriGold A6489VT3	210.8	213.4	199.6	16.4	0.0	0.0	42	30235
REV@22BHR43™	210.3	•	•	15.9	0.0	0.0	42	27511
MorCorn MC4338VT3P	210.3	•	•	17.2	0.0	0.0	34	29460
Golden Acres GA G5531	208.6	•	•	17.0	0.0	0.0	36	25593
Delta Grow 2688 GTCBLL	208.0	•	•	17.9	0.0	0.0	41	31294
Merschman M-1015B-15	207.3	212.2	•	16.9	0.0	0.0	37	27398
Golden Acres GA 26V21	207.1	•	•	18.0	0.0	0.0	39	31409
REV@26R60™	205.3	183.7	187.0	16.4	0.0	0.0	41	29804
Armor 1415PRO3	204.9	210.8	203.4	16.4	0.0	0.0	37	27855
Armor 1330PRO3	204.7	•	•	14.8	0.0	0.0	37	30951
LG2602VT3Pro	204.7	•	•	17.0	0.0	0.0	37	28772
Triumph TRX21343H	204.3	•	•	16.2	0.0	0.0	45	28772
Delta Grow 3588 GTCBLL	203.8	•	•	15.9	0.0	0.0	42	33014
Dyna-Gro D52VC91	203.7	•	•	15.5	0.0	0.0	38	32211
NK N74G-3000GT Brand	201.0	•	•	16.3	0.0	0.0	43	30721
Croplan 6926 VT3P	200.7	209.0	•	16.9	0.0	0.0	34	29231
BH Gen. BH 8570VTTP	197.5	198.9	•	16.5	0.0	0.0	43	33472
BH Gen. XP 8550VTTP	197.5	•	•	15.7	0.0	0.0	37	28543
LG5630VT3Pro	194.1	•	•	17.8	0.0	0.0	35	29002
DEKALB DKC61-88	193.9	206.7	•	15.0	0.0	0.0	44	34848
Armor 1262PRO2	191.5	198.6	197.3	16.0	0.0	0.0	39	30407
MorCorn MC4234VT2P	186.8	•	•	16.3	0.0	0.0	37	30607
Croplan 6175 VT3P	172.8	•	•	15.1	0.0	0.0	40	28887
GRAND MEAN	216.9	•	•	16.7	0.0	0.0	40	31541
LSD (5%)	18.0	•	•	1.0	•	•	•	2725
C.V.	6.1	•	•	4.5	•	•	•	6

Table 11. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2012, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Plants Per Acre
<u>Mid- to Full-Season</u>								
REV®28HR20™	235.6	225.2	214.6	18.4	0.0	0.0	47	31117
Delta Grow 4760 3000GT	234.7	•	•	17.8	0.0	0.0	40	30005
Croplan 8410 VT3P	223.7	•	•	16.8	0.0	0.0	36	37047
DEKALB DKC67-88	218.6	211.0	203.0	18.3	0.0	0.0	51	30865
Armor 1880PRO3	216.5	•	•	16.5	0.0	0.0	42	31876
Croplan 8621 VT3P	216.0	•	•	17.5	0.0	0.0	44	31811
Pioneer P2088YHR	215.6	•	•	17.3	0.0	0.0	53	28371
Golden Acres GA 27V01	215.0	•	•	17.5	0.0	0.0	41	29747
REV®28R10™	214.6	204.0	195.8	18.2	0.0	0.0	45	29253
REV®28HR30™	214.1	202.4	196.8	18.3	0.0	0.0	48	30177
Golden Acres GA 28V81	212.3	209.9	209.0	17.5	0.0	0.0	49	27684
Dyna-Gro D57VP51	212.1	•	•	17.2	0.0	0.0	46	29664
REV®29HR13™	211.1	•	•	18.4	0.0	0.0	49	28092
BH Gen. BH 8740VTP	208.6	•	•	17.8	0.0	0.0	42	32928
Pioneer P1745HR	207.4	•	•	16.8	0.0	0.0	43	30386
Delta Grow 3660 3000GT	207.1	•	•	17.7	0.0	0.0	43	30946
BH Gen. X10077VT3P	206.9	•	•	15.9	0.0	0.0	40	34870
REV®28HR29™	206.9	196.6	183.8	17.9	0.0	0.0	43	27075
REV®27HR83™	203.5	•	•	17.8	0.0	0.0	41	28371
Dyna-Gro D58VP30	202.6	201.5	•	17.6	0.0	0.0	43	31088
Dyna-Gro CX12117	201.7	•	•	18.3	0.0	0.0	38	28034
Triumph 1956H	198.9	199.2	•	18.4	0.0	1.0	45	29091
Armor 1770PRO3	196.9	•	•	17.7	0.0	0.0	40	30467
Merschman M-1215D-15	196.3	•	•	16.4	0.0	0.0	39	29341
REV®27HR52™	187.7	189.5	•	18.0	0.0	0.0	39	27684
Merschman M-816A-10	178.3	201.5	•	16.8	0.0	0.0	45	31467
GRAND MEAN	209.3	•	•	17.5	0.0	0.0	44	30287
LSD (5%)	17.6	•	•	0.7	•	•	•	2837
C.V.	7.1	•	•	3.5	•	•	•	8

¹ Average yield for 2011 and 2012.² Average yield for 2010, 2011, and 2012.³ Average number of plants per hybrid.

Soil Series	Hebert silt loam
Soil pH	7.5
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	N/A
Preplant Fertilizer	80 lb/A K, March 6
Planting Date	April 2
Irrigation Dates	May 17, May 24, May 29, June 18, June 27, July 10
Sidedress Fertilizer	130 lb/A N, May 2; 130lb/A N, May 14
Herbicide Application(s)	Atrazine + Dual II Magnum, April 2; Laudis, May 15
Insecticide Application(s)	N/A
Harvest Date	Early hybrids, August 23; Late hybrids, August 23

Precipitation (inches)

	April	May	June	July	August	Total
2012	3.0	0.7	4.2	2.6	7.1	17.5
Average	4.8	5.1	3.8	3.7	2.5	19.8
Departure	-1.8	-4.4	0.5	-1.1	4.6	-2.3

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2012.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover	Plants Per Acre
<u>Early- to Mid-Season Hybrids</u>									
DEKALB DKC65-19	239.0	206.1	•	20.6	0.0	1.0	39	1	31824
AgriGold A6533VT3	233.8	209.3	206.3	18.9	0.0	0.0	45	2	32036
Croplan 6640 VT3P	232.4	•	•	19.3	0.0	0.0	45	1	32776
NK N78S-3111 Brand	229.4	•	•	21.1	0.0	0.0	46	1	31613
DEKALB DKC62-09	228.2	•	•	19.2	0.0	0.0	47	2	35208
Merschman M-1015B-15	226.8	212.3	•	17.7	0.0	0.0	45	2	30979
DEKALB DKC64-83	226.4	205.5	200.4	18.8	0.0	0.0	43	1	34362
Delta Grow 2688 GTCBLL	225.8	•	•	20.0	0.0	0.0	42	1	33410
DEKALB DKC66-97	225.8	•	•	20.0	0.0	0.0	42	2	35208
AgriGold A6517VT3Pro	225.7	•	•	19.2	0.0	0.0	42	1	31190
REV@21HR33™	225.7	•	•	19.6	0.0	0.0	45	3	31190
REV@24BHR93™	224.2	•	•	19.0	0.0	0.0	48	3	28018
LG2636VT3Pro	223.9	•	•	17.2	0.0	0.0	37	2	31401
Dyna-Gro D55VP77	223.1	•	•	18.9	0.0	1.0	42	1	33622
MorCorn MC4234VT2P	223.1	•	•	18.5	0.0	0.0	44	2	31401
Croplan 6175 VT3P	222.7	•	•	19.6	0.0	0.0	44	1	32670
Dyna-Gro D54VP81	222.7	207.5	•	17.2	0.0	0.0	39	2	32881
Merschman 9810VT3PRO	222.3	•	•	20.4	0.0	0.0	45	2	31507
Pioneer P1615HR	221.6	209.3	204.0	18.0	0.0	0.0	52	3	30027
Armor 1133PRO3	221.0	•	•	17.1	0.0	0.0	40	2	31190
Dyna-Gro D56VP24	220.6	200.2	193.9	19.0	0.0	0.0	45	1	32670
AgriGold A6573VT3Pro	220.3	•	•	18.7	0.0	0.0	40	1	31719
Golden Acres GA G5531	220.2	•	•	17.2	0.0	0.0	42	1	30610
Armor 1415PRO3	220.1	213.8	207.4	19.3	0.0	0.0	44	3	29411
Delta Grow 6388 GTCBLL	220.0	•	•	18.1	0.0	0.0	42	2	33939
NK N68B-3111 Brand	219.8	210.8	•	18.7	0.0	0.0	41	1	30450
Triumph TRX21343H	219.7	•	•	19.6	0.0	0.0	46	2	28864
Delta Grow 2788 CBLL	219.1	•	•	19.0	0.0	0.0	48	1	33304
AgriGold A6632VT2RIB	218.9	•	•	19.5	0.0	1.0	43	1	31719
MorCorn MC4338VT3P	218.4	•	•	19.5	0.0	0.0	44	2	29816
Delta Grow 3588 GTCBLL	218.0	•	•	18.4	0.0	0.0	44	1	32776
Armor 1550PRO3	217.6	•	•	18.5	0.0	0.0	43	1	30767
Armor 1262PRO2	217.4	208.5	205.6	18.6	0.0	2.0	47	3	30873
Armor 1111PRO3	217.0	•	•	18.0	0.0	0.0	44	1	31401
REV@23RE73™	216.8	•	•	18.5	0.0	1.0	53	2	27607
BH Gen. BH 8570VTTP	216.8	198.4	•	20.4	0.0	0.0	45	1	34045
MorCorn MC4344VT2P	216.6	•	•	19.6	0.0	0.0	48	3	29393
REV@26R60™	216.2	200.3	202.8	19.9	0.0	0.0	46	3	28547
AgriGold A6489VT3	216.1	198.1	197.3	19.3	0.0	0.0	45	1	31930
REV@26HR50™	216.0	198.3	205.1	18.2	0.0	0.0	48	2	27263
Croplan 6725 VT3P	215.3	201.5	196.4	18.4	0.0	1.0	43	2	33516
Armor 1161PRO2	214.6	•	•	17.9	0.0	0.0	40	1	30450
NK N74G-3000GT Brand	214.6	•	•	19.4	0.0	0.0	47	1	31507
REV@25BHR63™	214.4	•	•	19.8	0.0	0.0	42	2	28864
AgriGold A6553VT2RIB	214.2	•	•	19.0	0.0	0.0	37	1	31190

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2012, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover	Plants Per Acre
<u>Early- to Mid-Season Hybrids Continued</u>									
Armor 1330PRO3	214.1	•	•	18.4	0.0	0.0	44	3	31507
DEKALB DKC63-87	213.8	•	•	18.0	0.0	0.0	44	2	32776
Dyna-Gro D52VC91	213.2	•	•	18.3	0.0	0.0	43	1	33199
BH Gen. BH 8630VTTP	212.0	•	•	19.1	0.0	0.0	47	1	33304
Delta Grow 3788 GTCBLL	212.0	•	•	20.2	0.0	0.0	49	1	34045
Croplan 6926 VT3P	211.3	210.8	•	19.2	0.0	1.0	44	1	33304
DEKALB DKC64-69	211.2	206.5	200.4	19.9	0.0	1.0	44	1	32987
BH Gen. XP 8550VTTP	210.4	•	•	18.9	0.0	0.0	43	3	33410
Delta Grow 4725 VIPGTCBLL	208.5	•	•	23.4	0.0	1.0	45	2	32881
LG5630VT3Pro	208.1	•	•	21.2	0.0	0.0	39	1	30767
LG2602VT3Pro	207.9	•	•	17.4	0.0	0.0	40	1	29498
Dyna-Gro D56VP10	207.8	•	•	18.9	0.0	0.0	47	3	31824
DEKALB DKC66-86	207.4	•	•	20.3	0.0	0.0	42	2	32141
DEKALB DKC61-88	207.3	201.8	•	18.3	0.0	0.0	48	1	34468
AgriGold A6659VT3Pro	206.8	•	•	18.7	0.0	1.0	48	2	31084
Delta Grow 6488 GTCBLL	206.6	•	•	18.8	0.0	0.0	51	1	32881
NK N77P-3111 Brand	206.4	•	•	19.5	0.0	0.0	51	2	31190
Armor 1655PRO2	206.3	•	•	19.8	0.0	1.0	48	2	30133
BH Gen. BH 8492SS	203.8	190.6	•	18.5	0.0	0.0	43	3	33727
AgriGold A6679VT3Pro	203.7	196.3	•	20.1	0.0	0.0	42	2	31296
Golden Acres GA 26V21	202.0	•	•	20.7	0.0	0.0	45	2	30873
Delta Grow 2888 GTCBLL	200.5	•	•	18.5	0.0	0.0	47	1	31948
REV@22BHR43™	199.7	•	•	17.0	0.0	0.0	43	2	27014
GRAND MEAN	216.8	•	•	19.1	0.0	0.2	44	2	31638
LSD (5%)	16.2	•	•	2.7	•	•	•	•	918
C.V.	6.4	•	•	12.0	•	•	•	•	2

Table 12. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2012, continued.

Brand/Hybrid	Yield bu./A	2-Year ¹ Avg. bu./A	3-Year ² Avg. bu./A	Grain Moisture %	Root ³ Lodging	Stalk ³ Lodging	Ear Height Inches	Tip ⁴ Cover	Plants Per Acre
<u>Mid- to Full-Season</u>									
Dyna-Gro D57VP51	223.9	•	•	19.4	0.0	0.0	48	2	31654
Pioneer P2088YHR	223.0	•	•	20.2	0.0	0.0	53	1	28652
Delta Grow 4760 3000GT	222.2	•	•	23.9	0.0	1.0	48	1	31401
Croplan 8621 VT3P	211.5	•	•	18.8	0.0	0.0	43	3	31719
Dyna-Gro CX12117	209.5	•	•	21.1	0.0	0.0	48	2	32564
Golden Acres GA 27V01	206.0	•	•	22.1	0.0	0.0	47	2	28652
Armor 1880PRO3	205.9	•	•	20.1	0.0	1.0	46	1	30027
BH Gen. X10077VT3P	205.3	•	•	19.7	0.0	1.0	42	2	32397
Golden Acres GA 28V81	205.1	197.4	206.0	18.0	0.0	0.0	55	2	29498
Dyna-Gro D58VP30	204.2	205.9	•	20.4	0.0	0.0	53	2	32881
REV@28R10™	204.2	203.8	207.0	21.5	0.0	0.0	47	1	27067
Merschman M-1215D-15	203.7	•	•	18.1	0.0	0.0	45	2	30450
REV@27HR52™	203.2	195.6	•	21.7	0.0	0.0	43	3	28758
Delta Grow 3660 3000GT	201.9	•	•	22.8	0.0	0.0	48	1	31296
Armor 1770PRO3	201.2	•	•	20.5	0.0	0.0	43	2	29498
REV@28HR20™	201.1	213.2	212.7	20.9	0.0	0.0	50	1	29498
Triumph 1956H	200.8	193.4	•	21.4	0.0	0.0	52	2	29181
Pioneer P1745HR	197.8	•	•	21.3	0.0	0.0	45	1	28018
Croplan 8410 VT3P	197.6	•	•	21.3	0.0	1.0	42	1	34785
REV@27HR83™	197.5	•	•	21.0	0.0	0.0	52	1	28547
REV@28HR29™	195.8	201.6	205.1	20.9	0.0	0.0	46	1	28758
REV@28HR30™	194.3	195.2	200.6	21.9	0.0	0.0	52	2	29921
DEKALB DKC67-88	193.5	208.7	211.8	21.2	0.0	0.0	53	2	30239
BH Gen. BH 8740VTTP	193.2	•	•	19.2	0.0	1.0	50	3	31751
REV@29HR13™	192.0	•	•	21.7	0.0	0.0	50	2	27807
Merschman M-816A-10	184.3	190.7	•	22.3	0.0	0.0	51	2	30873
GRAND MEAN	203.0	•	•	20.8	0.0	0.2	48	2	30227
LSD (5%)	19.1	•	•	3.2	•	•	•	•	1322
C.V.	8.0	•	•	12.9	•	•	•	•	4

¹ Average yield for 2011 and 2012.

² Average yield for 2010, 2011, and 2012.

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 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	N/A
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	N/A
Preplant Fertilizer	1.5 tons/A chicken litter with analysis of N-55, P-63, K-59; 225 lb/A ammonium sulfate, 60 lb/A urea, 85 lb/A potash
Planting Date	April 5
Sidedress Fertilizer	20 gal/A 32%N, May 3; 100 lb/A urea, May 21
Herbicide Application(s)	3 qt/A Lexar + 1 qt/A Atrazine, April 19
Insecticide Application(s)	N/A
Fungicide Application(s)	14 oz/A Quilt, July 16
Harvest Date	Early hybrids, August 15; Late hybrids, August 15

**Participants and Entries
2012 Grain Sorghum Tests**

Company

B-H Genetics

5933 FM1157
Ganado, TX 77962

Crop Production Services

1673 N. US Hwy 61
Portageville, MO 63873

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 5227
BH 5566

Dyna-Gro 765B
Dyna-Gro 766B
Dyna-Gro 771B
Dyna-Gro 772B
Dyna-Gro CX12522

DEKALB DKS53-67

Pioneer 83P17
Pioneer 83P99
Pioneer 84G62
Pioneer 84P80

REV[®] RV9782[™]
REV[®] RV9803[™]
REV[®] RV9823[™]
REV[®] RV9883[™]
REV[®] RV9953[™]
REV[®] RV9973[™]

Triumph TR 4941
Triumph TR 4951
Triumph TRX 85131

**Participants and Entries
2012 Corn Tests**

Company

AgriGold

5381 Akin Rd
St. Francisville, IL 62460

Armor Seed

P.O. Box 178
Fisher, AR 72429

B-H Genetics

5933 FM 1157
Ganado, TX 77962

Crop Production Services

1673 N. US Hwy 61
Portageville, MO 63873

Delta Grow Seed

P.O. Box 219
England, AR 72046

Hybrids

AgriGold A6489VT3
AgriGold A6517VT3Pro
AgriGold A6533VT3
AgriGold A6553VT2RIB
AgriGold A6573VT3Pro
AgriGold A6632VT2RIB
AgriGold A6659VT3Pro
AgriGold A6679VT3Pro

Armor 1111PRO3
Armor 1133PRO3
Armor 1161PRO2
Armor 1262PRO2
Armor 1330PRO3
Armor 1415PRO3
Armor 1550PRO3
Armor 1655PRO2
Armor 1770PRO3
Armor 1880PRO3

BH Gen. BH 8492SS
BH Gen. BH 8570VTTP
BH Gen. BH 8630VTTP
BH Gen. BH 8740VTTP
BH Gen. X10077VT3P
BH Gen. XP 8550VTTP

Dyna-Gro CX12117
Dyna-Gro D52VC91
Dyna-Gro D54VP81
Dyna-Gro D55VP77
Dyna-Gro D56VP10
Dyna-Gro D56VP24
Dyna-Gro D57VP51
Dyna-Gro D58VP30

Delta Grow 2688 GTCBLL
Delta Grow 2788 CBLL
Delta Grow 2888 GTCBLL
Delta Grow 3588 GTCBLL
Delta Grow 3660 3000GT
Delta Grow 3788 GTCBLL
Delta Grow 4725 VIPGTCBLL
Delta Grow 4760 3000GT
Delta Grow 6388 GTCBLL
Delta Grow 6488 GTCBLL

**Participants and Entries
2012 Corn Tests Continued**

Company

Golden Acres Genetics

P.O. Box 579
Buchanan Dam, TX 78609

LG Seeds Inc.

22827 Shissler Rd.
Elmwood, IL 61529

Merschman Seeds, Inc.

P.O. Box 279
New Madrid, MO 63869

MFA Inc.

201 Ray Young Dr.
Columbia, MO 65201

Monsanto Company

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

Pioneer Hi-Bred International, Inc.

700 Boulevard South, Ste. 302
Huntsville, AL 35802

Syngenta Seeds

27 Kelly Court
Cabot, AR 72023

Hybrids

Golden Acres GA 26V21
Golden Acres GA 27V01
Golden Acres GA 28V81
Golden Acres GA G5531

LG2602VT3Pro
LG2636VT3Pro
LG5630VT3Pro

Merschman 9810VT3PRO
Merschman M-1015B-15
Merschman M-1215D-15
Merschman M-816A-10

MorCorn MC4234VT2P
MorCorn MC4338VT3P
MorCorn MC4344VT2P

DEKALB DKC61-88
DEKALB DKC62-09
DEKALB DKC63-87
DEKALB DKC64-69
DEKALB DKC64-83
DEKALB DKC65-19
DEKALB DKC66-86
DEKALB DKC66-97
DEKALB DKC67-88

Pioneer P1615HR
Pioneer P1745HR
Pioneer P2088YHR

NK N68B-3111 Brand
NK N74G-3000GT Brand
NK N77P-3111 Brand
NK N78S-3111 Brand

**Participants and Entries
2012 Corn Tests Continued**

Company

Terral Seed, Inc.
P. O. Box 826
Lake Providence, LA 71254

Triumph Seed Co., Inc.
P.O. Box 1050
Ralls, TX 79357

WinField Solutions/ Croplan Genetics
P.O. Box 1351
Blytheville, AR 72315

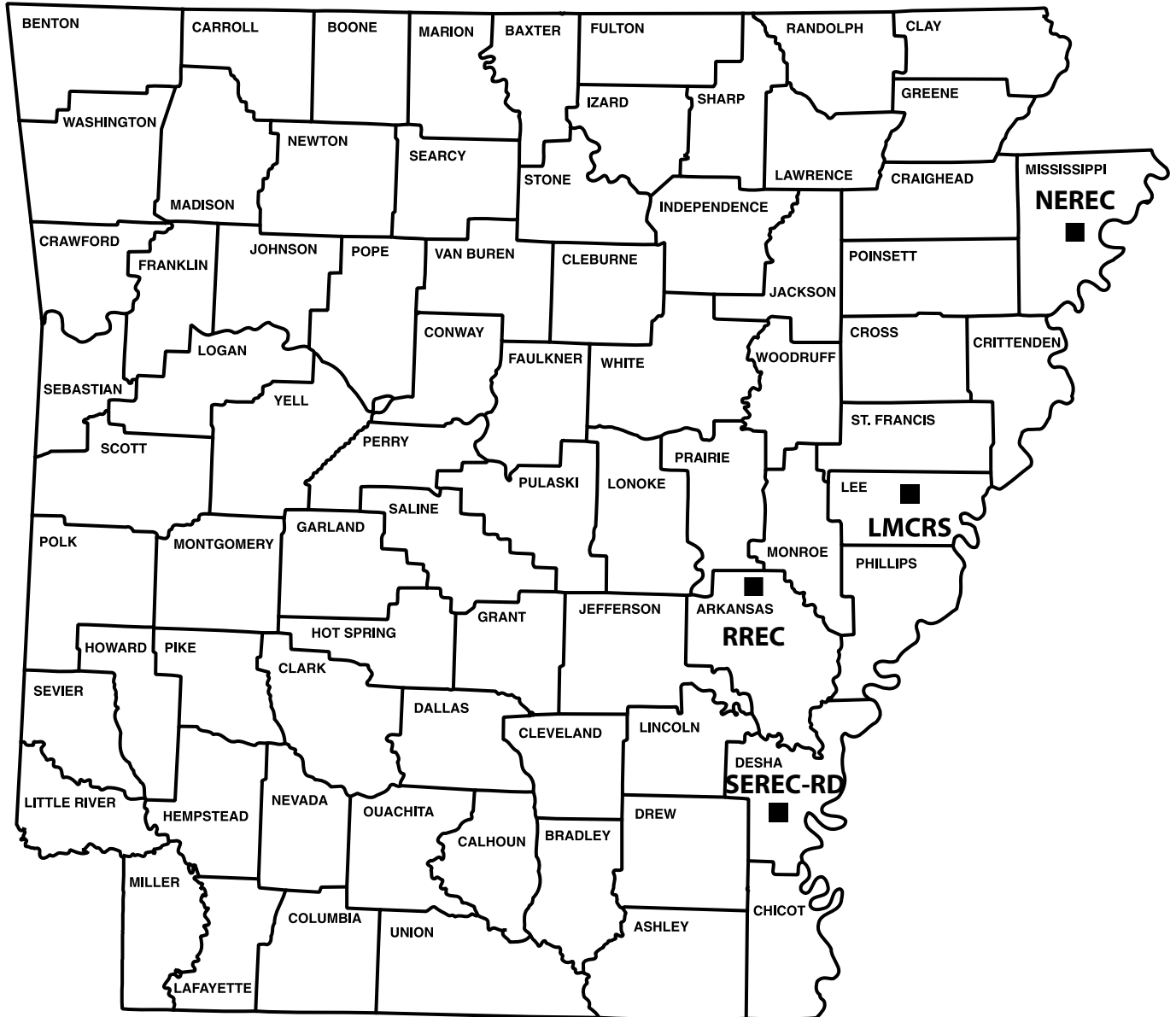
Hybrids

REV[®]21HR33[™]
REV[®]22BHR43[™]
REV[®]23RE73[™]
REV[®]24BHR93[™]
REV[®]25BHR63[™]
REV[®]26HR50[™]
REV[®]26R60[™]
REV[®]27HR52[™]
REV[®]27HR83[™]
REV[®]28HR20[™]
REV[®]28HR29[™]
REV[®]28HR30[™]
REV[®]28R10[™]
REV[®]29HR13[™]

Triumph 1956H
Triumph TRX21343H

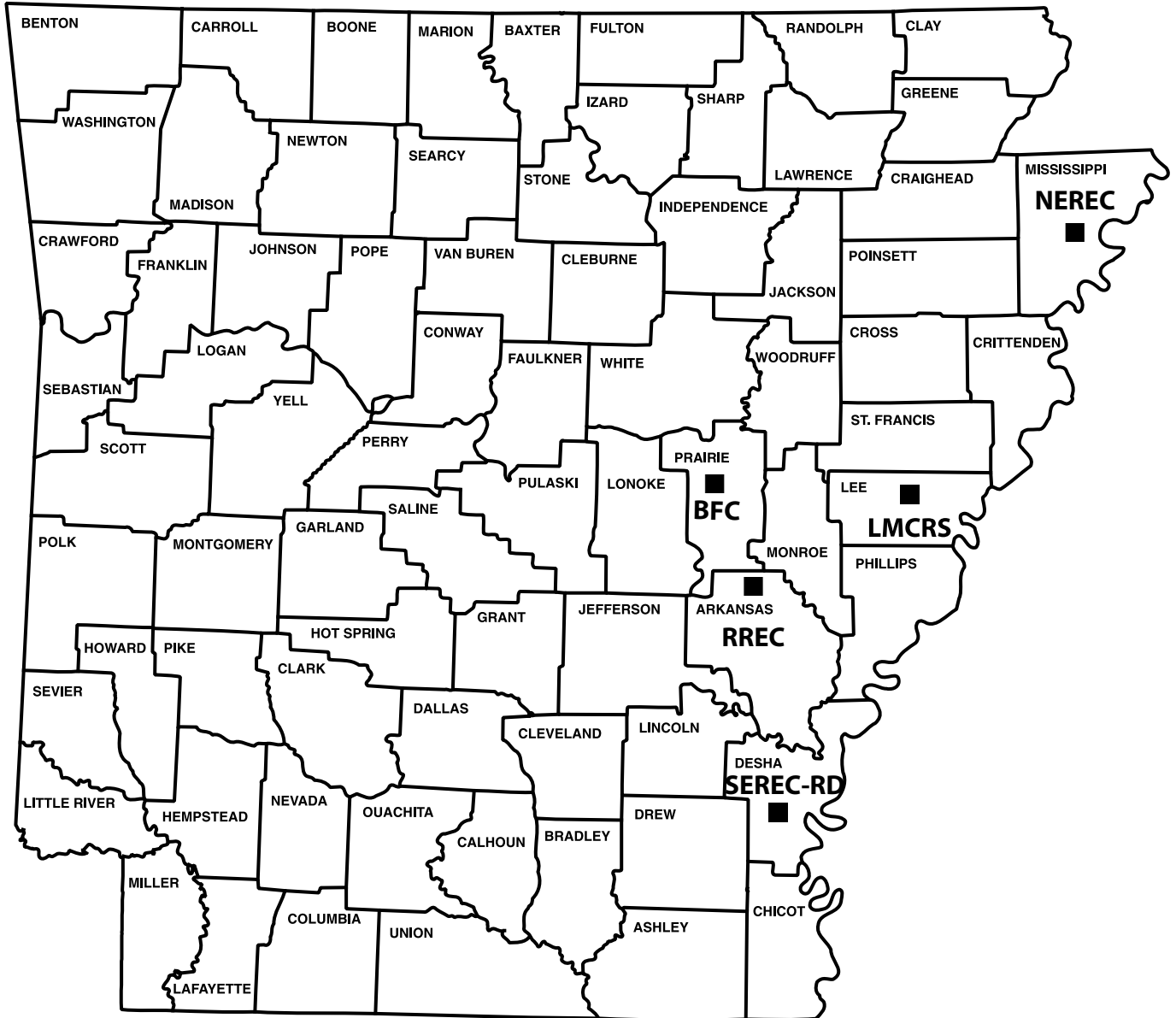
Croplan 6175 VT3P
Croplan 6640 VT3P
Croplan 6725 VT3P
Croplan 6926 VT3P
Croplan 8410 VT3P
Croplan 8621 VT3P

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



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

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