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Arkansas Corn and Grain Sorghum Perfomance Tests 2011

R. D. Bond
University of Arkansas, Fayetteville

D. G. Dombeck
University of Arkansas, Fayetteville

J. A. Still
University of Arkansas, Fayetteville

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Arkansas Agricultural Experiment Station
Division of Agriculture
University of Arkansas System
Fayetteville, Arkansas 72701

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ARKANSAS CORN AND GRAIN SORGHUM PERFORMANCE TESTS[1] 2011

R.D. Bond[2], D.G. Dombek[3], and J.A. Still[4]

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 2011 corn performance tests contained 81 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 2011 grain sorghum performance tests contained 13 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.

[2]Program Associate, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72701.
[3]Program Director, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72701.
[4]Program Technician, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72701.

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, 2011[1].

Hybrid Name	Keiser Irrigated	Keiser Non-Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Rohwer Non-Irrigated	Average
				bu./A			
BH Genetics 5350	111.8	106.3	112.8	85.3	129.1	130.0	112.5
BH Genetics 5566	118.0	117.3	121.7	156.1	138.9	122.5	129.1
DEKALB DKS53-67	143.1	148.8	112.9	162.3	148.5	142.3	143.0
Dyna-Gro 771B	127.1	109.9	117.0	142.0	133.6	118.6	124.7
Dyna-Gro 772B	135.4	122.7	138.3	134.7	147.5	119.6	133.0
Dyna-Gro 780B	142.9	111.4	123.0	153.3	120.6	97.2	124.7
Pioneer 83P17	134.0	121.9	117.1	165.4	146.3	124.6	134.9
Pioneer 84G62	135.3	125.8	131.7	133.2	150.1	124.8	133.5
Pioneer 84P80	145.5	137.2	138.8	141.1	149.1	135.5	141.2
Terral TV1050	129.5	112.9	143.2	139.3	142.4	123.6	131.8
Terral TV96H81	119.8	109.5	113.5	147.5	126.8	114.9	122.0
Terral TV96H91	125.1	119.9	129.4	175.1	135.6	122.1	134.5
Triumph TR 82-G	134.2	105.0	121.3	174.8	125.1	126.9	131.2
GRAND MEAN	130.9	119.1	124.7	146.9	138.0	123.3	130.5
LSD (5%)	15.1	14.6	11.7	25.2	11.7	14.3	15.4
C.V.	6.8	8.6	6.5	10.1	5.9	8.1	7.7

[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.

Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2011.

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	145.5	•	•	15.7	61	5	3	22
DEKALB DKS53-67	143.1	133.2	138.9	14.7	57	5	1	18
Dyna-Gro 780B	142.9	133.2	122.7	15.6	64	4	2	22
Dyna-Gro 772B	135.4	128.6	125.6	13.9	66	9	3	27
Pioneer 84G62	135.3	133.6	131.4	15.9	59	6	2	23
Triumph TR 82-G	134.2	130.4	134.0	15.4	64	8	1	18
Pioneer 83P17	134.0	121.0	•	14.8	65	7	2	20
Terral TV1050	129.5	•	•	15.3	59	4	2	26
Dyna-Gro 771B	127.1	124.2	119.6	15.7	64	8	3	33
Terral TV96H91	125.1	125.3	121.5	15.8	63	8	2	33
Terral TV96H81	119.8	118.7	119.2	15.6	61	4	1	35
BH Genetics 5566	118.0	•	•	15.7	58	4	3	34
BH Genetics 5350	111.8	•	•	15.7	51	5	3	25
GRAND MEAN	130.9	•	•	15.4	61	6	2	26
LSD (5%)	15.1	•	•	1.5	•	•	•	8
C.V.	6.8	•	•	5.9	•	•	•	18

[1] Average yield for 2010 and 2011.
[2] Average yield for 2009, 2010, and 2011.

Soil Series	Sharkey clay
Soil pH	6.9
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Dual II Magnum + Atrazine + Roundup Ultramax, May 11
Planting Date	May 11
Irrigation Dates	June 6, July 1, July 14, July 25, August 2, August 9
Sidedress Fertilizer	115-0-0, June 1; 35-0-0, June 20
Herbicide Application(s)	Buctril + Atrazine, June 20
Insecticide Application(s)	Mustang Max, August 3
Harvest Date	September 8

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.9	5.2	4.0	3.7	2.8	3.2	23.8
Departure	6.4	6.4	-0.5	-0.3	-1.6	-1.1	9.4

Table 3. Performance of Non-Irrigated Grain Sorghum Hybrids, Keiser, Ark., 2011.

Hybrid Name	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Plant Height Inches	Head Exertion Inches	Head Comp. Rating	Bird Damage %
DEKALB DKS53-67	148.8	126.2	126.4	15.0	59	4	2	21
Pioneer 84P80	137.2	•	•	13.5	59	4	2	28
Pioneer 84G62	125.8	138.5	134.6	15.2	56	3	3	16
Dyna-Gro 772B	122.7	124.2	125.9	10.4	59	5	2	30
Pioneer 83P17	121.9	126.4	•	14.5	59	4	2	19
Terral TV96H91	119.9	114.2	117.9	14.8	60	9	4	30
BH Genetics 5566	117.3	•	•	10.6	54	5	3	29
Terral TV1050	112.9	•	•	14.6	55	3	2	21
Dyna-Gro 780B	111.4	118.4	119.4	14.7	58	4	2	21
Dyna-Gro 771B	109.9	117.0	115.5	14.3	57	7	3	30
Terral TV96H81	109.5	124.7	125.4	12.1	58	7	3	33
BH Genetics 5350	106.3	•	•	12.8	51	5	2	25
Triumph TR 82-G	105.0	117.4	126.0	12.8	58	5	1	23
GRAND MEAN	119.1	•	•	13.5	57	5	2	25
LSD (5%)	14.6	•	•	3.8	•	•	•	8
C.V.	8.6	•	•	19.7	•	•	•	22

[1] Average yield for 2010 and 2011.
[2] Average yield for 2009, 2010, and 2011.

Soil Series	Sharkey clay
Soil pH	6.9
Previous Crop	Soybean
Row Width	38"
Preplant Herbicide	Dual II Magnum + Atrazine + Roundup Ultramax, May 11
Planting Date	May 11
Sidedress Fertilizer	115-0-0, June 1; 35-0-0, June 20
Herbicide Application(s)	Buctril + Atrazine, June 20
Insecticide Application(s)	Mustang Max, August 3
Harvest Date	September 8

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.9	5.2	4.0	3.7	2.8	3.2	23.8
Departure	6.4	6.4	-0.5	-0.3	-1.6	-1.1	9.4

Table 4. Performance of Irrigated Grain Sorghum Hybrids, Marianna, Ark., 2011.

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 %
Terral TV1050	143.2	•	•	18.3	65	1	1	10
Pioneer 84P80	138.8	•	•	18.9	63	2	5	18
Dyna-Gro 772B	138.3	132.8	148.5	20.6	73	3	4	15
Pioneer 84G62	131.7	134.1	147.2	18.7	60	3	4	19
Terral TV96H91	129.4	132.3	138.4	19.2	64	6	4	16
Dyna-Gro 780B	123.0	125.1	141.3	19.3	68	2	1	1
BH Genetics 5566	121.7	•	•	17.4	66	6	4	15
Triumph TR 82-G	121.3	124.9	145.1	19.5	64	2	3	6
Pioneer 83P17	117.1	122.5	•	20.9	68	6	4	11
Dyna-Gro 771B	117.0	125.7	142.1	16.	65	7	3	19
Terral TV96H81	113.5	121.0	138.3	15.8	64	8	1	0
DEKALB DKS53-67	112.9	130.0	148.5	20.1	65	1	3	26
BH Genetics 5350	112.8	•	•	15.6	52	4	5	11
GRAND MEAN	124.7	•	•	18.5	64	4	3	13
LSD (5%)	11.7	•	•	1.4	•	•	•	7
C.V.	6.5	•	•	5.3	•	•	•	40

[1] Average yield for 2010 and 2011.
[2] Average yield for 2007, 2010, and 2011.

Soil Series	Calloway silt loam
Soil pH	7.3
Previous Crop	Soybean
Row Width	38"
Preplant Fertilizer	150-100-100, April 1
Planting Date	May 11
Irrigation Dates	June 11, June 24, July 1, July 14, July 21, July 28, August 4, August 12
Sidedress Fertilizer	43-0-0, June 20
Herbicide Application(s)	Atrazine + Dual II Magnum, May 12
Insecticide Application(s)	Karate, July 18; Lannate, July 26
Harvest Date	August 29

Precipitation (inches)

	April	May	June	July	August	Total
2011	13.6	5.9	2.5	4.4	3.4	29.7
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	8.7	0.6	-1.5	0.7	0.6	9.1

Table 5. Performance of Irrigated Grain Sorghum Hybrids, Stuttgart, Ark., 2011.

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
Terral TV96H91	175.1	162.6	156.4	11.2	57	7	1
Triumph TR 82-G	174.8	180.9	180.2	11.3	58	4	1
Pioneer 83P17	165.4	170.5	•	11.6	61	1	2
DEKALB DKS53-67	162.3	168.5	171.8	11.0	55	1	1
BH Genetics 5566	156.1	•	•	11.8	57	3	2
Dyna-Gro 780B	153.3	165.3	159.2	10.9	61	0	2
Terral TV96H81	147.5	168.4	161.6	11.7	56	6	1
Dyna-Gro 771B	142.0	139.4	143.2	11.2	59	4	2
Pioneer 84P80	141.1	•	•	11.4	55	1	2
Terral TV1050	139.3	•	•	11.0	55	1	2
Dyna-Gro 772B	134.7	144.8	150.4	10.5	57	2	3
Pioneer 84G62	133.2	142.9	152.1	11.8	54	0	2
BH Genetics 5350	85.3	•	•	10.7	50	3	1
GRAND MEAN	146.9	•	•	11.2	57	3	2
LSD (5%)	25.2	•	•	0.7	•	•	•
C.V.	10.1	•	•	3.8	•	•	•

[1] Average yield for 2010 and 2011.
[2] Average yield for 2009, 2010, and 2011.

Soil Series	Crowley silt loam
Soil pH	5.7
Previous Crop	Soybean
Row Width	30"
Preplant Fertilizer	103-90-90-24-10, April 8
Planting Date	April 19
Irrigation Dates	June 2, June 9, June 16, June 23, July 6, July 13, July 20, July 26, August 2
Sidedress Fertilizer	80-0-0, June 1; 87-0-0, June 15
Herbicide Application(s)	Permit, May 6; Bicep II Magnum, May 11
Insecticide Application(s)	Intrepid + Mustang Max, July 14
Harvest Date	October 7

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2011	11.5	5.7	1.6	1.8	6.2	1.2	27.9
Average	5.6	4.7	3.6	3.4	2.8	3.0	23.1
Departure	5.9	1.0	-2.0	-1.6	3.4	-1.8	4.8

Table 6. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, Ark., 2011.

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 84G62	150.1	136.6	139.5	15.8	54	3
Pioneer 84P80	149.1	•	•	15.2	51	4
DEKALB DKS53-67	148.5	134.9	141.0	16.5	53	2
Dyna-Gro 772B	147.5	133.0	134.4	15.1	58	8
Pioneer 83P17	146.3	133.3	•	16.7	55	3
Terral TV1050	142.4	•	•	14.9	53	4
BH Genetics 5566	138.9	•	•	14.6	53	4
Terral TV96H91	135.6	130.7	132.6	16.0	53	7
Dyna-Gro 771B	133.6	120.7	124.2	14.5	54	6
BH Genetics 5350	129.1	•	•	13.4	43	2
Terral TV96H81	126.8	124.9	128.9	15.1	58	4
Triumph TR 82-G	125.1	131.2	132.4	16.1	52	3
Dyna-Gro 780B	120.6	122.1	127.6	17.0	50	3
GRAND MEAN	138.0	•	•	15.5	53	4
LSD (5%)	11.7	•	•	0.6	•	•
C.V.	5.9	•	•	2.9	•	•

[1] Average yield for 2010 and 2011.
[2] Average yield for 2009, 2010, and 2011.

Soil Series	Hebert silt loam
Soil pH	7.8
Previous Crop	Soybean
Row Width	38"
Preplant Fertilizer	0-5-100, October 18; 19-38-69-8-3, March 21
Planting Date	May 2
Irrigation Dates	June 9, June 15, June 23, June 30, July 13
Sidedress Fertilizer	88-0-0, May 23; 88-0-0, June 6
Herbicide Application(s)	Atrazine + Dual II Magnum + Roundup PowerMax, May 2
Insecticide Application(s)	Lannate, July 13, July 22, July 29
Harvest Date	August 23

Precipitation (inches)

	April	May	June	July	Total
2011	7.2	2.4	1.7	3.7	15.0
Average	5.0	4.7	3.5	3.9	17.1
Departure	2.2	-2.3	-1.8	-0.2	-2.1

Table 7. Performance of Nonirrigated Grain Sorghum Hybrids, Rohwer, Ark., 2011.

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
DEKALB DKS53-67	142.3	131.8	128.9	16.1	47	2
Pioneer 84P80	135.5	•	•	15.2	46	1
BH Genetics 5350	130.0	•	•	13.2	41	2
Triumph TR 82-G	126.9	121.4	120.2	15.7	48	3
Pioneer 84G62	124.8	117.2	124.0	15.4	46	2
Pioneer 83P17	124.6	115.8	•	16.0	49	3
Terral TV1050	123.6	•	•	14.2	46	2
BH Genetics 5566	122.5	•	•	14.4	45	2
Terral TV96H91	122.1	117.8	121.4	15.3	47	4
Dyna-Gro 772B	119.6	120.8	124.7	15.1	49	4
Dyna-Gro 771B	118.6	120.7	121.7	14.5	46	2
Terral TV96H81	114.9	109.8	114.8	14.6	45	3
Dyna-Gro 780B	97.2	109.3	114.2	16.1	48	2
GRAND MEAN	123.3	•	•	15.0	46	2
LSD (5%)	14.3	•	•	0.5	•	•
C.V.	8.1	•	•	2.2	•	•

[1] Average yield for 2010 and 2011.

[2] Average yield for 2009, 2010, and 2011.

Soil Series	Hebert silt loam
Soil pH	7.8
Previous Crop	Soybean
Row Width	38"
Preplant Fertilizer	0-5-100, October 18; 19-38-69-8-3, March 21
Planting Date	May 2
Sidedress Fertilizer	88-0-0, May 23; 88-0-0, June 6
Herbicide Application(s)	Atrazine + Dual II Magnum + Roundup PowerMax, May 2
Insecticide Application(s)	Lannate, July 13, July 22, July 29
Harvest Date	August 23

Precipitation (inches)

	April	May	June	July	Total
2011	7.2	2.4	1.7	3.7	15.0
Average	5.0	4.7	3.5	3.9	17.1
Departure	2.2	-2.3	-1.8	-0.2	-2.1

Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2011[1].

Hybrid Name	Keiser	Marianna[2]	Stuttgart	Rohwer	Bell Farm	Average
			bu./A			
Early- to Mid-Season Hybrids						
AgriGold A6489VT3	205.7	200.9	169.1	215.9	180.0	194.3
AgriGold A6533VT3	205.9	185.1	164.1	218.3	184.8	191.6
AgriGold A6553VT3	181.2	185.8	174.3	212.3	191.3	189.0
AgriGold A6573VT3	208.2	175.3	192.0	242.9	177.2	199.1
AgriGold A6632VT3Pro	204.5	178.6	170.0	214.4	193.1	192.1
AgriGold A6679VT3Pro	190.0	187.1	180.8	200.9	188.8	189.5
Armor 1161PRO(V)	198.8	189.9	165.3	189.5	206.7	190.0
Armor 1262DPRO	215.1	192.2	161.7	205.6	199.7	194.9
Armor 1415PRO	198.4	174.3	147.3	216.7	207.6	188.9
Armor 1539PRO	211.4	199.8	173.9	191.0	183.1	191.8
Armor 1655PRO(V)	230.8	167.4	176.3	199.6	189.3	192.7
BH Genetics BH 8928VTTP	216.9	187.3	183.4	209.7	185.2	196.5
BH Genetics XP 11149VTTP	212.8	200.6	183.4	225.1	180.5	200.5
BH Genetics XP 8492SS	203.0	171.1	168.5	185.3	177.4	181.1
BH Genetics XP 8570VTTP	205.4	165.5	162.4	200.3	180.0	182.7
Croplan 6725 VT3P	205.1	177.6	166.2	211.6	187.7	189.6
Croplan 6926 VT3P	200.3	184.6	177.1	217.4	210.2	197.9
DEKALB DKC61-88	219.3	188.7	154.4	219.5	196.2	195.6
DEKALB DKC64-69	197.1	176.8	180.6	227.3	201.8	196.7
DEKALB DKC64-83	199.0	160.8	168.0	205.1	184.6	183.5
DEKALB DKC65-19	221.8	160.2	173.2	197.2	173.3	185.1
DEKALB DKC66-96	214.5	183.8	175.3	208.5	198.6	196.1
Delta Grow 2888 GTBt11	186.7	167.0	178.5	205.4	185.2	184.6
Delta Grow 2988 GTBt11	226.5	170.4	164.1	210.9	206.0	195.6
Delta Grow 3788 GTBt11	178.3	171.4	159.4	190.1	173.0	174.4
Delta Grow 8188 GTBt11	196.0	188.8	174.6	215.0	197.1	194.3
Dyna-Gro 57V59	168.2	169.2	146.9	199.6	169.4	170.7
Dyna-Gro D51VP40	209.2	184.5	157.6	168.3	201.5	184.2
Dyna-Gro D54VP81	228.6	204.0	185.8	221.0	192.2	206.3
Dyna-Gro D55Q80	175.0	160.8	147.4	197.4	178.3	171.8
Dyna-Gro D55VC21	203.4	201.2	163.1	212.0	193.8	194.7
Dyna-Gro D56VP24	191.3	185.7	166.3	218.4	179.8	188.3
Dyna-Gro D56VP69	194.5	201.7	171.2	194.0	196.6	191.6
Dyna-Gro V5373VT3	201.7	163.3	171.9	204.2	179.4	184.1
Golden Acres GA 26V31	225.8	178.1	172.3	187.2	192.2	191.1
Merschman M-1015B-15	227.3	195.0	170.2	217.1	197.8	201.5

Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2011[1], continued.

Hybrid Name	Keiser	Marianna[2]	Stuttgart	Rohwer	Bell Farm	Average
			bu./A			
Early- to Mid-Season Hybrids Continued						
M-Pride 111x1-11 VT3Pro	216.0	208.0	162.2	216.5	181.1	196.8
M-Pride 3110 GT	161.7	156.7	161.0	189.5	•[3]	167.2
M-Pride 3140 VT3Pro	184.5	159.0	146.3	207.3	172.0	173.8
M-Pride 3150 GT3	198.5	170.0	137.0	176.2	175.0	171.3
M-Pride 3151 GTCBLL	199.3	177.6	167.1	207.4	179.5	186.2
M-Pride 3152 VT3Pro	225.0	178.2	169.8	200.2	191.9	193.0
M-Pride 3193 VT3Pro	182.0	177.4	163.7	188.1	180.3	178.3
Mycogen 2A787	183.0	181.7	161.8	210.2	176.1	182.6
Mycogen 2T784	193.3	177.0	166.3	192.5	182.5	182.3
Mycogen 2T832	189.5	172.5	162.8	189.5	170.9	177.0
Mycogen 2V715	184.1	185.6	170.8	200.3	165.9	181.3
Mycogen 2V738	201.6	178.5	171.0	216.8	177.5	189.1
Pioneer P1615HR	214.7	170.0	172.3	201.2	196.9	191.0
REV®25HR39™	171.6	161.8	139.8	167.0	146.1	157.3
REV®25HR49™	207.4	160.4	164.8	178.0	186.5	179.4
REV®25R19™	176.7	150.3	151.1	167.4	187.9	166.7
REV®26HR22™	167.3	137.3	164.3	180.5	166.6	163.2
REV®26HR50™	202.5	169.6	162.1	205.3	180.6	184.0
REV®26HR70™	202.9	135.0	157.5	161.7	181.3	167.7
REV®26HR82™	198.7	162.2	160.3	190.5	175.7	177.5
REV®26R60™	164.9	161.7	147.9	162.0	184.5	164.2
Syngenta N68B-3111	207.7	195.5	170.4	213.3	201.9	197.8
Syngenta N72F-3000GT	205.6	187.1	157.0	214.3	179.9	188.8
Syngenta N77P 3000GT	197.3	182.6	175.3	197.1	188.3	188.1
Syngenta N79Z-GT/CB/LL	203.9	165.3	162.7	196.1	181.3	181.9
Triumph 7514S	188.2	188.7	166.6	193.2	170.0	181.3
GRAND MEAN	199.8	177.2	165.9	201.2	185.2	185.9
LSD (5%)	19.5	23.9	21.8	19.8	27.8	22.6
C.V.	7.0	8.3	9.4	7.1	9.3	8.2

Table 8. Yields of Irrigated Corn Hybrids in Arkansas Performance Tests, 2011[1], continued.

Hybrid Name	Keiser	Marianna[2]	Stuttgart	Rohwer	Bell Farm	Average
			bu./A			
Mid- to Full-Season						
AgriGold A6839VT3Pro	211.4	192.7	165.0	211.8	206.8	197.5
Croplan 8505 VT3P	206.4	177.3	178.7	192.2	215.7	194.1
Croplan 8756 VT3	221.4	171.6	185.1	204.0	194.7	195.4
DEKALB DKC67-57	194.1	194.1	158.2	209.6	202.8	191.8
DEKALB DKC67-88	218.4	197.7	216.7	203.4	223.8	212.0
DEKALB DKC69-29	229.4	202.2	178.5	228.2	196.8	207.0
Delta Grow 8488	200.0	180.2	163.1	191.6	163.5	179.7
Dyna-Gro D57GT60	177.3	164.4	138.6	183.2	184.7	169.6
Dyna-Gro D58VP30	206.9	182.7	171.0	200.5	207.5	193.7
Golden Acres GA 28V81	212.6	188.7	184.1	207.6	189.7	196.5
Merschman M-816A-10	221.0	157.4	182.6	224.7	197.1	196.6
Pioneer P2088HR	200.9	182.3	163.0	195.4	224.3	193.2
REV®27HR32™	195.6	159.6	166.1	191.8	206.3	183.9
REV®27HR52™	174.5	165.9	162.6	191.3	188.0	176.5
REV®28HR20™	212.4	194.2	191.7	214.9	225.3	207.7
REV®28HR29™	211.8	177.1	174.0	186.3	207.4	191.3
REV®28HR30™	207.3	197.3	168.4	190.8	196.2	192.0
REV®28R10™	218.2	167.2	165.5	193.4	203.5	189.6
Triumph 1956H	174.7	156.8	148.8	199.5	186.1	173.2
GRAND MEAN	205.0	179.4	171.7	201.1	201.1	191.6
LSD (5%)	23.7	23.0	16.9	28.4	44.7	27.4
C.V.	8.1	9.0	5.9	8.5	13.2	9.0

[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.

[2] These tests were replanted on May 17 after the original planting on April 18 was abandoned due to poor stands resulting from heavy rainfall.

[3] A reportable yield could not be obtained for this hybrid at this location due to equipment malfunction.

Table 9. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2011.

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	Plants Per Acre
Early- to Mid-Season Hybrids							
Armor 1655PRO(V)	230.8	224.6	•	18.3	0.0	0.0	32496
Dyna-Gro D54VP81	228.6	•	•	17.8	0.0	0.0	34570
Merschman M-1015B-15	227.3	•	•	18.1	0.0	0.0	35771
Delta Grow 2988 GTBt11	226.5	•	•	18.3	0.0	0.0	35029
Golden Acres GA 26V31	225.8	208.0	•	16.7	0.0	0.0	37557
M-Pride 3152 VT3Pro	225.0	•	•	17.5	0.0	0.0	32942
DEKALB DKC65-19	221.8	•	•	17.0	0.0	0.0	34064
DEKALB DKC61-88	219.3	•	•	15.8	0.0	0.0	34064
BH Genetics BH 8928VTTP	216.9	217.0	•	17.5	0.0	0.0	34118
M-Pride 111x1-11 VT3Pro	216.0	•	•	16.9	0.0	0.0	33847
Armor 1262DPRO	215.1	199.9	•	17.2	0.0	0.0	34480
Pioneer P1615HR	214.7	202.3	•	19.0	0.0	0.0	31584
DEKALB DKC66-96	214.5	215.8	•	16.8	0.0	0.0	36652
BH Genetics XP 11149VTTP	212.8	•	•	16.8	0.0	0.0	33121
Armor 1539PRO	211.4	211.7	•	19.1	0.0	0.0	32037
Dyna-Gro D51VP40	209.2	•	•	17.0	0.0	0.0	33213
AgriGold A6573VT3	208.2	•	•	18.4	0.0	0.0	32127
Syngenta N68B-3111	207.7	•	•	17.1	0.0	0.0	31790
REV®25HR49™	207.4	216.3	213.8	17.7	0.0	0.0	31404
AgriGold A6533VT3	205.9	193.0	182.8	16.9	0.0	0.0	32254
AgriGold A6489VT3	205.7	190.3	186.5	16.4	0.0	0.0	33485
Syngenta N72F-3000GT	205.6	•	•	18.3	0.0	0.0	33340
BH Genetics XP 8570VTTP	205.4	•	•	17.6	0.0	0.0	31103
Croplan 6725 VT3P	205.1	188.8	•	17.3	0.0	0.0	35747
AgriGold A6632VT3Pro	204.5	183.1	•	18.2	0.0	0.0	33362
Syngenta N79Z-GT/CB/LL	203.9	•	•	17.9	0.0	0.0	31673
Dyna-Gro D55VC21	203.4	•	•	18.9	0.0	0.0	35270
BH Genetics XP 8492SS	203.0	•	•	17.5	0.0	0.0	34842
REV®26HR70™	202.9	197.4	205.4	18.4	0.0	0.0	31893
REV®26HR50™	202.5	216.1	218.2	18.6	0.0	0.0	31765
Dyna-Gro V5373VT3	201.7	197.6	192.5	18.3	0.0	0.0	33213
Mycogen 2V738	201.6	•	•	16.9	0.0	0.0	32254
Croplan 6926 VT3P	200.3	•	•	16.5	0.0	0.0	33575
M-Pride 3151 GTCBLL	199.3	•	•	17.8	0.0	0.0	32513
DEKALB DKC64-83	199.0	195.8	•	18.4	0.0	0.0	33123
Armor 1161PRO(V)	198.8	191.5	•	17.0	0.0	0.0	33961
REV®26HR82™	198.7	•	•	18.8	0.0	0.0	32393
M-Pride 3150 GT3	198.5	225.5	•	20.2	0.0	0.0	36742
Armor 1415PRO	198.4	197.3	•	17.8	0.0	0.0	32308
Syngenta N77P 3000GT	197.3	179.2	•	18.4	0.0	0.0	32580
DEKALB DKC64-69	197.1	215.8	•	17.5	0.0	0.0	34323
Delta Grow 8188 GTBt11	196.0	•	•	16.9	0.0	0.0	32258
Dyna-Gro D56VP69	194.5	•	•	16.6	0.0	0.0	32189
Mycogen 2T784	193.3	•	•	18.1	0.0	0.0	30565

Table 9. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2011, 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	Plants Per Acre
Early- to Mid-Season Hybrids Continued							
Dyna-Gro D56VP24	191.3	191.1	•	17.5	0.0	0.0	32308
AgriGold A6679VT3Pro	190.0	•	•	17.5	0.0	0.0	32037
Mycogen 2T832	189.5	•	•	19.2	0.0	0.0	30227
Triumph 7514S	188.2	194.2	•	19.1	0.0	0.0	31403
Delta Grow 2888 GTBt11	186.7	•	•	18.4	0.0	0.0	34751
M-Pride 3140 VT3Pro	184.5	•	•	16.5	0.0	0.0	34667
Mycogen 2V715	184.1	•	•	15.7	0.0	0.0	31222
Mycogen 2A787	183.0	•	•	18.7	0.0	0.0	29962
M-Pride 3193 VT3Pro	182.0	•	•	17.6	0.0	0.0	29865
AgriGold A6553VT3	181.2	187.8	•	20.5	0.0	0.0	34932
Delta Grow 3788 GTBt11	178.3	205.7	•	19.2	0.0	0.0	34208
REV®25R19™	176.7	181.4	•	16.9	0.0	0.0	30137
Dyna-Gro D55Q80	175.0	•	•	20.0	0.0	0.0	34661
REV®25HR39™	171.6	181.0	182.9	17.9	0.0	0.0	29859
Dyna-Gro 57V59	168.2	174.3	•	17.0	0.0	0.0	31706
REV®26HR22™	167.3	•	•	18.3	0.0	0.0	31794
REV®26R60™	164.9	177.5	185.8	18.2	0.0	0.0	32273
M-Pride 3110 GT	161.7	179.8	•	16.6	0.0	0.0	31070
GRAND MEAN	199.8	•	•	17.8	0.0	0.0	32979
LSD (5%)	19.5	•	•	1.4	•	•	2376
C.V.	7.0	•	•	5.5	•	•	5

Table 9. Performance of Irrigated Corn Hybrids, Keiser, Ark., 2011, 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	Plants Per Acre
Mid- to Full-Season							
DEKALB DKC69-29	229.4	•	•	18.3	0.0	0.0	37466
Croplan 8756 VT3	221.4	230.5	235.0	19.0	0.0	0.0	33304
Merschman M-816A-10	221.0	•	•	19.1	0.0	0.0	32127
DEKALB DKC67-88	218.4	237.2	•	18.6	0.0	0.0	30951
REV®28R10™	218.2	219.9	•	18.2	0.0	0.0	31398
Golden Acres GA 28V81	212.6	207.2	•	18.1	0.0	0.0	34028
REV®28HR20™	212.4	211.5	208.5	18.2	0.0	0.0	31223
REV®28HR29™	211.8	191.6	•	20.2	0.0	0.0	31585
AgriGold A6839VT3Pro	211.4	•	•	19.3	0.0	0.0	33653
REV®28HR30™	207.3	207.5	•	21.1	0.0	0.0	30137
Dyna-Gro D58VP30	206.9	•	•	17.9	0.0	0.0	32670
Croplan 8505 VT3P	206.4	202.5	•	18.7	0.0	0.0	38462
Pioneer P2088HR	200.9	•	•	19.0	0.0	0.0	32580
Delta Grow 8488	200.0	•	•	18.7	0.0	0.0	35204
REV®27HR32™	195.6	•	•	18.9	0.0	0.0	30951
DEKALB DKC67-57	194.1	•	•	17.7	0.0	0.0	33962
Dyna-Gro D57GT60	177.3	195.0	•	19.2	0.0	0.0	31223
Triumph 1956H	174.7	•	•	22.5	0.0	0.0	29860
REV®27HR52™	174.5	•	•	18.1	0.0	0.0	30236
GRAND MEAN	205.0	•	•	19.0	0.0	0.0	32685
LSD (5%)	23.7	•	•	1.3	•	•	2091
C.V.	8.1	•	•	4.7	•	•	4

[1] Average yield for 2010 and 2011.

[2] Average yield for 2009, 2010, and 2011.

Soil Series	Sharkey clay
Soil pH	6.9
Previous Crop	Soybean
Row Width	38"
Planting Date	May 11
Irrigation Dates	June 6, July 1, July 14, July 25, August 2, August 9, August 16, August 22
Sidedress Fertilizer	115-0-0, June 1; 115-0-0, June 9; 100-0-0, June 16
Herbicide Application(s)	Dual II Magnum + Atrazine + Roundup Ultramax, May 11 Buctril + Atrazine, June 20
Insecticide Application(s)	Intrepid, July 22, August 8
Harvest Date	September 28

Precipitation (inches)

	April	May	June	July	August	Total
2011	11.3	11.6	3.6	3.4	1.2	31.1
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	6.4	6.4	-0.4	-0.3	-1.6	10.5

Table 10. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2011[1].

Brand/Hybrid	Yield bu./A	2-Year[2] Avg. bu./A	3-Year[3] Avg. bu./A	Grain Moisture %	Root[4] Lodging	Stalk[4] Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids								
M-Pride 111x1-11 VT3Pro	208.0	•	•	17.1	0.0	0.0	42	33806
Dyna-Gro D54VP81	204.0	•	•	16.7	0.0	0.0	38	34164
Dyna-Gro D56VP69	201.7	•	•	17.8	0.0	0.0	50	32600
Dyna-Gro D55VC21	201.2	•	•	17.7	0.0	0.0	34	34401
AgriGold A6489VT3	200.9	204.0	206.5	16.3	0.0	0.0	50	34252
BH Genetics XP 11149VTTP	200.6	•	•	16.8	0.0	1.0	45	34550
Armor 1539PRO	199.8	203.5	•	17.6	0.0	0.0	51	35481
Syngenta N68B-3111	195.5	•	•	16.0	0.0	0.0	34	33210
Merschman M-1015B-15	195.0	•	•	17.6	0.0	0.0	45	35593
Armor 1262DPRO	192.2	203.5	•	17.4	0.0	0.0	43	33210
Armor 1161PRO(V)	189.9	200.1	•	16.7	0.0	0.0	37	34165
Delta Grow 8188 GTBt11	188.8	•	•	16.9	0.0	1.0	55	36240
DEKALB DKC61-88	188.7	•	•	16.1	0.0	0.0	45	32912
Triumph 7514S	188.7	204.6	•	17.7	0.0	0.0	50	33112
BH Genetics BH 8928VTTP	187.3	199.0	•	17.7	0.0	0.0	51	35057
AgriGold A6679VT3Pro	187.1	•	•	17.1	0.0	0.0	45	35123
Syngenta N72F-3000GT	187.1	•	•	17.0	0.0	0.0	37	35742
AgriGold A6553VT3	185.8	197.5	•	17.2	0.0	0.0	40	35891
Dyna-Gro D56VP24	185.7	205.3	•	16.5	0.0	0.0	42	33954
Mycogen 2V715	185.6	•	•	15.7	0.0	0.0	47	35951
AgriGold A6533VT3	185.1	192.2	191.6	16.7	0.0	0.0	44	34676
Croplan 6926 VT3P	184.6	•	•	16.7	0.0	0.0	33	36635
Dyna-Gro D51VP40	184.5	•	•	16.4	0.0	0.0	39	35281
DEKALB DKC66-96	183.8	197.3	•	16.8	0.0	0.0	38	37231
Syngenta N77P 3000GT	182.6	195.6	•	18.9	0.0	0.0	47	34997
Mycogen 2A787	181.7	•	•	16.9	0.0	0.0	35	32666
AgriGold A6632VT3Pro	178.6	196.9	•	17.2	0.0	0.0	39	33917
Mycogen 2V738	178.5	•	•	15.8	0.0	0.0	46	34006
M-Pride 3152 VT3Pro	178.2	•	•	17.0	0.0	0.0	48	36189
Golden Acres GA 26V31	178.1	195.3	•	15.8	0.0	0.0	47	37975
Croplan 6725 VT3P	177.6	194.3	•	16.6	0.0	0.0	46	36933
M-Pride 3151 GTCBLL	177.6	•	•	17.9	0.0	0.0	56	33954
M-Pride 3193 VT3Pro	177.4	•	•	17.2	0.0	0.0	42	31869
Mycogen 2T784	177.0	•	•	17.4	0.0	0.0	46	33047
DEKALB DKC64-69	176.8	204.9	•	17.2	0.0	0.0	39	33210
AgriGold A6573VT3	175.3	•	•	14.9	0.0	0.0	38	34550
Armor 1415PRO	174.3	200.4	•	17.4	0.0	0.0	43	32614
Mycogen 2T832	172.5	•	•	17.7	0.0	0.0	49	32763
Delta Grow 3788 GTBt11	171.4	198.9	•	17.9	0.0	0.0	44	35569
BH Genetics XP 8492SS	171.1	•	•	16.6	0.0	0.0	37	35295
Delta Grow 2988 GTBt11	170.4	•	•	17.8	0.0	0.0	57	35890
M-Pride 3150 GT3	170.0	193.9	•	17.0	0.0	0.0	44	38474
Pioneer P1615HR	170.0	192.0	•	17.7	0.0	0.0	55	30976
REV®26HR50™	169.6	191.4	198.2	18.8	0.0	0.0	50	31572

Table 10. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2011[1], continued.

Brand/Hybrid	Yield bu./A	2-Year[2] Avg. bu./A	3-Year[3] Avg. bu./A	Grain Moisture %	Root[4] Lodging	Stalk[4] Lodging	Ear Height Inches	Plants Per Acre
Early- to Mid-Season Hybrids Continued								
Dyna-Gro 57V59	169.2	187.5	•	15.8	0.0	0.0	43	32889
Armor 1655PRO(V)	167.4	191.7	•	17.6	0.0	0.0	52	36337
Delta Grow 2888 GTBt11	167.0	•	•	17.0	0.0	0.0	55	34699
BH Genetics XP 8570VTTP	165.5	•	•	16.6	0.0	0.0	45	32353
Syngenta N79Z-GT/CB/LL	165.3	•	•	17.8	0.0	0.0	58	35295
Dyna-Gro V5373VT3	163.3	189.0	197.7	17.8	0.0	0.0	40	35593
REV®26HR82™	162.2	•	•	17.6	0.0	0.0	43	31572
REV®25HR39™	161.8	185.3	195.2	17.1	0.0	0.0	48	33694
REV®26R60™	161.7	178.9	194.9	17.1	0.0	0.0	43	35742
DEKALB DKC64-83	160.8	182.8	•	16.9	0.0	0.0	45	34848
Dyna-Gro D55Q80	160.8	•	•	18.0	0.0	0.0	54	33359
REV®25HR49™	160.4	181.0	187.9	17.7	0.0	0.0	54	36239
DEKALB DKC65-19	160.2	•	•	17.1	0.0	0.0	37	30567
M-Pride 3140 VT3Pro	159.0	•	•	15.8	0.0	0.0	42	34997
M-Pride 3110 GT	156.7	185.9	•	16.6	0.0	0.0	42	37068
REV®25R19™	150.3	186.7	•	16.6	0.0	0.0	52	32912
REV®26HR22™	137.3	•	•	16.4	0.0	0.0	39	31721
REV®26HR70™	135.0	179.0	189.7	17.2	0.0	0.0	47	32465
GRAND MEAN	177.2	•	•	17.0	0.0	0.1	44.9	34388
LSD (5%)	23.9	•	•	0.9	•	•	•	3444
C.V.	8.3	•	•	3.2	•	•	•	6

Table 10. Performance of Irrigated Corn Hybrids, Marianna, Ark., 2011[1], continued.

Brand/Hybrid	Yield bu./A	2-Year[2] Avg. bu./A	3-Year[3] Avg. bu./A	Grain Moisture %	Root[4] Lodging	Stalk[4] Lodging	Ear Height Inches	Plants Per Acre
Mid- to Full-Season								
DEKALB DKC69-29	202.2	•	•	17.5	0.0	0.0	43	36635
DEKALB DKC67-88	197.7	203.1	•	18.7	0.0	0.0	48	36077
REV®28HR30™	197.3	200.4	•	20.6	0.0	0.0	46	33904
REV®28HR20™	194.2	202.7	207.7	18.2	0.0	0.0	53	33396
DEKALB DKC67-57	194.1	•	•	17.0	0.0	0.0	38	35853
AgriGold A6839VT3Pro	192.7	•	•	17.8	0.0	0.0	45	35295
Golden Acres GA 28V81	188.7	196.1	•	16.8	0.0	0.0	47	36967
Dyna-Gro D58VP30	182.7	•	•	17.3	0.0	0.0	50	36271
Pioneer P2088HR	182.3	•	•	17.3	0.0	0.0	44	32391
Delta Grow 8488	180.2	•	•	18.8	0.0	1.0	51	34737
Croplan 8505 VT3P	177.3	190.7	•	16.9	0.0	0.0	45	38757
REV®28HR29™	177.1	178.4	•	18.8	0.0	0.0	46	35518
Croplan 8756 VT3	171.6	172.4	185.9	18.4	0.0	0.0	41	36222
REV®28R10™	167.2	183.3	•	18.0	0.0	0.0	43	31707
REV®27HR52™	165.9	•	•	17.6	0.0	0.0	44	32101
Dyna-Gro D57GT60	164.4	167.3	•	17.9	0.0	0.0	48	32726
REV®27HR32™	159.6	•	•	17.0	0.0	0.0	48	32899
Merschman M-816A-10	157.4	•	•	18.4	0.0	0.0	53	33619
Triumph 1956H	156.8	•	•	19.1	0.0	1.0	50	32601
GRAND MEAN	179.4	•	•	18.0	0.0	0.1	46	34614
LSD (5%)	23.0	•	•	0.7	•	•	•	3185
C.V.	9.0	•	•	2.8	•	•	•	6

[1] These tests were replanted on May 17 after the original planting on April 18 was abandoned due to poor stands resulting from heavy rainfall.
[2] Average yield for 2010 and 2011.
[3] Average yield for 2009, 2010, and 2011.
[4] Average number of plants per hybrid.

Soil Series	Calloway silt loam
Soil pH	7.1
Previous Crop	Soybean
Row Width	30"
Preplant Fertilizer	150-100-100, April 1
Planting Date	April 18; replanted May 17
Irrigation Dates	June 7, June 24, June 20, July 14, July 19, July 26, Aug. 3, Aug.11, Sept. 2, Sept. 12
Sidedress Fertilizer	150-0-0, June 13
Herbicide Application(s)	Atrazine + Dual II Magnum + Roundup PowerMax, May 17; Atrazine + Dual II Magnum + Callisto, June 6
Insecticide Application(s)	Intrepid, July 23
Harvest Date	September 27

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2011	13.6	5.9	2.5	4.4	3.4	2.2	32.0
Average	4.9	5.2	4.0	3.7	2.6	2.5	22.9
Departure	8.7	0.6	-1.5	0.7	0.8	-0.3	9.0

Table 11. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2011.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Stalk[3] Lodging	Ear Height Inches	Tip[4] Cover	Plants Per Acre
Early- to Mid-Season Hybrids								
AgriGold A6573VT3	192.0	•	•	15.8	1.0	31	1	33042
Dyna-Gro D54VP81	185.8	•	•	17.0	1.0	29	1	32936
BH Genetics BH 8928VTTP	183.4	220.1	•	16.3	0.0	38	1	33148
BH Genetics XP 11149VTTP	183.4	•	•	16.9	0.0	29	1	34104
AgriGold A6679VT3Pro	180.8	•	•	17.0	1.0	37	3	33573
DEKALB DKC64-69	180.6	231.7	•	17.2	0.0	34	1	34317
Delta Grow 2888 GTBt11	178.5	•	•	17.1	0.0	39	2	33892
Croplan 6926 VT3P	177.1	•	•	15.8	1.0	32	1	35698
Armor 1655PRO(V)	176.3	214.1	•	16.6	0.0	38	1	33042
DEKALB DKC66-96	175.3	223.0	•	16.5	1.0	29	2	35804
Syngenta N77P 3000GT	175.3	207.0	•	16.3	2.0	36	1	31129
Delta Grow 8188 GTBt11	174.6	•	•	15.4	2.0	36	1	34104
AgriGold A6553VT3	174.3	217.9	•	16.3	0.0	28	2	33254
Armor 1539PRO	173.9	211.1	•	16.8	1.0	41	1	33148
DEKALB DKC65-19	173.2	•	•	16.2	1.0	32	1	33998
Golden Acres GA 26V31	172.3	215.6	•	15.6	2.0	35	1	36654
Pioneer P1615HR	172.3	214.7	•	16.5	1.0	38	2	31342
Dyna-Gro V5373VT3	171.9	209.4	225.8	17.1	2.0	38	2	34317
Dyna-Gro D56VP69	171.2	•	•	17.5	1.0	40	1	33786
Mycogen 2V738	171.0	•	•	16.1	1.0	35	3	31342
Mycogen 2V715	170.8	•	•	15.5	1.0	38	3	30173
Syngenta N68B-3111	170.4	•	•	15.2	0.0	31	1	31979
Merschman M-1015B-15	170.2	•	•	16.7	1.0	27	1	33679
AgriGold A6632VT3Pro	170.0	206.7	•	16.6	2.0	32	1	33892
M-Pride 3152 VT3Pro	169.8	•	•	16.3	1.0	36	3	35698
AgriGold A6489VT3	169.1	211.1	217.4	16.1	1.0	37	3	33361
BH Genetics XP 8492SS	168.5	•	•	15.9	0.0	30	2	33148
DEKALB DKC64-83	168.0	215.8	•	16.1	1.0	31	1	33042
M-Pride 3151 GTCBLL	167.1	•	•	16.9	2.0	35	3	32829
Triumph 7514S	166.6	205.3	•	17.2	2.0	36	1	32723
Dyna-Gro D56VP24	166.3	205.7	•	16.8	1.0	29	3	33892
Mycogen 2T784	166.3	•	•	17.1	2.0	34	1	30598
Croplan 6725 VT3P	166.2	210.7	•	17.6	3.0	34	1	35911
Armor 1161PRO(V)	165.3	209.1	•	15.8	0.0	26	1	33573
REV®25HR49™	164.8	200.8	217.7	17.0	0.0	35	2	31448
REV®26HR22™	164.3	•	•	16.6	2.0	33	3	30811
AgriGold A6533VT3	164.1	215.6	213.9	16.0	1.0	31	1	33361
Delta Grow 2988 GTBt11	164.1	•	•	16.9	1.0	32	2	35061
M-Pride 3193 VT3Pro	163.7	•	•	16.2	1.0	36	3	29536
Dyna-Gro D55VC21	163.1	•	•	16.0	2.0	31	2	34211
Mycogen 2T832	162.8	•	•	17.7	1.0	32	2	31236
Syngenta N79Z-GT/CB/LL	162.7	•	•	15.8	1.0	39	3	33361
BH Genetics XP 8570VTTP	162.4	•	•	16.1	5.0	32	1	31873
M-Pride 111x1-11 VT3Pro	162.2	•	•	16.8	1.0	34	1	35804

Table 11. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2011, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Stalk[3] Lodging	Ear Height Inches	Tip[4] Cover	Plants Per Acre
Early- to Mid-Season Hybrids Continued								
REV®26HR50™	162.1	211.3	228.2	17.6	1.0	30	3	30598
Mycogen 2A787	161.8	•	•	16.5	0.0	38	2	30917
Armor 1262DPRO	161.7	209.2	•	15.6	3.0	32	2	33998
M-Pride 3110 GT	161.0	207.6	•	15.5	2.0	36	1	34211
REV®26HR82™	160.3	•	•	15.9	0.0	35	3	31873
Delta Grow 3788 GTBt11	159.4	201.2	•	17.0	1.0	37	1	33998
Dyna-Gro D51VP40	157.6	•	•	15.1	1.0	33	1	33361
REV®26HR70™	157.5	198.8	210.1	16.9	2.0	37	2	30704
Syngenta N72F-3000GT	157.0	•	•	15.9	2.0	40	2	33892
DEKALB DKC61-88	154.4	•	•	15.3	4.0	38	3	30704
REV®25R19™	151.1	191.8	•	15.3	1.0	40	1	29961
REV®26R60™	147.9	197.5	209.7	15.6	0.0	37	3	31554
Dyna-Gro D55Q80	147.4	•	•	16.3	1.0	36	3	32404
Armor 1415PRO	147.3	200.8	•	16.6	1.0	34	2	32511
Dyna-Gro 57V59	146.9	183.6	•	15.3	1.0	29	1	32617
M-Pride 3140 VT3Pro	146.3	•	•	16.0	2.0	25	2	36229
REV®25HR39™	139.8	190.9	208.9	15.7	1.0	34	2	30598
M-Pride 3150 GT3	137.0	199.4	•	17.5	2.0	36	2	35486
GRAND MEAN	165.9	•	•	16.4	1.1	34	2	33055
LSD (5%)	21.8	•	•	1.3	•	•	•	1608
C.V.	9.4	•	•	5.5	•	•	•	3

Table 11. Performance of Irrigated Corn Hybrids, Stuttgart, Ark., 2011, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Stalk[3] Lodging	Ear Height Inches	Tip[4] Cover	Plants Per Acre
Mid- to Full-Season								
DEKALB DKC67-88	216.7	250.4	•	18.5	1.0	45	3	32298
REV®28HR20™	191.7	220.2	244.8	16.9	1.0	43	3	31873
Croplan 8756 VT3	185.1	208.6	232.2	16.7	1.0	43	2	35840
Golden Acres GA 28V81	184.1	206.8	•	16.5	2.0	32	1	34706
Merschman M-816A-10	182.6	•	•	16.9	1.0	40	2	33715
Croplan 8505 VT3P	178.7	213.3	•	16.7	0.0	42	1	36690
DEKALB DKC69-29	178.5	•	•	16.3	3.0	32	1	35556
REV®28HR29™	174.0	212.8	•	19.0	1.0	39	2	30881
Dyna-Gro D58VP30	171.0	•	•	16.8	2.0	37	2	33573
REV®28HR30™	168.4	210.6	•	20.2	1.0	42	1	30881
REV®27HR32™	166.1	•	•	17.0	2.0	36	3	32152
REV®28R10™	165.5	211.2	•	17.6	1.0	38	1	32015
AgriGold A6839VT3Pro	165.0	•	•	18.0	2.0	31	1	35415
Delta Grow 8488	163.1	•	•	17.8	2.0	34	1	34706
Pioneer P2088HR	163.0	•	•	18.9	3.0	32	2	31306
REV®27HR52™	162.6	•	•	17.1	2.0	31	1	29890
DEKALB DKC67-57	158.2	•	•	16.3	3.0	30	2	34140
Triumph 1956H	148.8	•	•	21.3	8.0	38	3	31873
Dyna-Gro D57GT60	138.6	180.1	•	16.8	3.0	38	2	31448
GRAND MEAN	171.7	•	•	17.6	2.1	37	2	33103
LSD (5%)	16.9	•	•	1.3	•	•	•	2295
C.V.	5.9	•	•	4.3	•	•	•	4

[1] Average yield for 2010 and 2011.
[2] Average yield for 2009, 2010, and 2011.
[3] Average number of plants per hybrid.
[4] Tip cover was rated as good (1), average (2), or poor (3). A rating of good was given when husks reached well beyond the end of the ear and fit tightly. A rating of average was given when the husks reached the tip of the ear or fit loosely. A rating of poor was given when ears were open to the weather.

Soil Series	Crowley silt loam
Soil pH	5.7
Previous Crop	Soybean
Row Width	30"
Preplant Fertilizer	103-90-90-24-10, April 8
Planting Date	April 18
Irrigation Dates	June 2, June 9, June 16, June 23, July 6, July 13, July 20, July 26, August 2
Sidedress Fertilizer	80-0-0, June 1; 87-0-0, June 15
Herbicide Application(s)	Permit, May 6, Bicep II Magnum, May 11
Insecticide Application(s)	Intrepid + Mustang Max, July 14
Harvest Date	September 13

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2011	11.5	5.7	1.6	1.8	6.2	1.2	27.9
Average	5.6	4.7	3.6	3.4	2.8	3.0	23.1
Departure	5.9	1.0	-2.0	-1.6	3.4	-1.8	4.8

Table 12. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2011.

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
Early- to Mid-Season Hybrids								
AgriGold A6573VT3	242.9	•	•	16.3	0.0	0.0	41	35593
DEKALB DKC64-69	227.3	209.9	•	16.7	0.0	0.0	45	34649
BH Genetics XP 11149VTTP	225.1	•	•	17.6	0.0	0.0	39	34562
Dyna-Gro D54VP81	221.0	•	•	17.1	1.0	0.0	34	33186
DEKALB DKC61-88	219.5	•	•	15.6	0.0	0.0	46	32241
Dyna-Gro D56VP24	218.4	204.9	•	16.7	0.0	0.0	46	33530
AgriGold A6533VT3	218.3	222.0	220.3	16.7	0.0	0.0	41	33444
Croplan 6926 VT3P	217.4	•	•	16.8	0.0	0.0	38	32928
Merschman M-1015B-15	217.1	•	•	17.2	0.0	0.0	39	34647
Mycogen 2V738	216.8	•	•	15.7	0.0	0.0	49	32068
Armor 1415PRO	216.7	202.6	•	16.7	0.0	0.0	40	32376
M-Pride 111x1-11 VT3Pro	216.5	•	•	16.2	0.0	0.0	36	35796
AgriGold A6489VT3	215.9	194.0	203.2	16.1	0.0	0.0	46	34304
Delta Grow 8188 GTBt11	215.0	•	•	16.1	1.0	0.0	48	33285
AgriGold A6632VT3Pro	214.4	204.9	•	17.4	0.0	0.0	39	33702
Syngenta N72F-3000GT	214.3	•	•	16.2	0.0	0.0	46	34046
Syngenta N68B-3111	213.3	•	•	16.4	0.0	0.0	35	31896
AgriGold A6553VT3	212.3	199.4	•	16.6	0.0	0.0	35	32670
Dyna-Gro D55VC21	212.0	•	•	16.6	0.0	0.0	35	33186
Croplan 6725 VT3P	211.6	188.5	•	16.5	0.0	0.0	41	33960
Delta Grow 2988 GTBt11	210.9	•	•	17.1	0.0	0.0	45	33788
Mycogen 2A787	210.2	•	•	16.9	0.0	0.0	34	33522
BH Genetics BH 8928VTTP	209.7	208.1	•	17.2	0.0	0.0	49	34218
DEKALB DKC66-96	208.5	211.0	•	16.1	0.0	0.0	39	34132
M-Pride 3151 GTCBLL	207.4	•	•	16.8	0.0	0.0	46	31573
M-Pride 3140 VT3Pro	207.3	•	•	15.9	0.0	1.0	38	34218
Armor 1262DPRO	205.6	200.3	•	16.7	0.0	0.0	35	32928
Delta Grow 2888 GTBt11	205.4	•	•	16.6	0.0	0.0	42	34217
REV®26HR50™	205.3	183.6	209.2	18.2	0.0	0.0	40	31552
DEKALB DKC64-83	205.1	203.8	•	16.2	0.0	0.0	41	32842
Dyna-Gro V5373VT3	204.2	207.7	220.9	17.5	0.0	0.0	40	32412
Pioneer P1615HR	201.2	196.3	•	17.4	0.0	0.0	53	31381
AgriGold A6679VT3Pro	200.9	•	•	17.0	0.0	0.0	46	31896
BH Genetics XP 8570VTTP	200.3	•	•	16.9	0.0	0.0	38	31466
Mycogen 2V715	200.3	•	•	15.6	0.0	0.0	50	31381
M-Pride 3152 VT3Pro	200.2	•	•	17.5	0.0	0.0	48	34475
Armor 1655PRO(V)	199.6	209.7	•	17.0	0.0	0.0	48	31467
Dyna-Gro 57V59	199.6	182.0	•	15.8	0.0	0.0	39	33044
Dyna-Gro D55Q80	197.4	•	•	17.3	0.0	1.0	48	31553
DEKALB DKC65-19	197.2	•	•	15.9	0.0	0.0	35	30304
Syngenta N77P 3000GT	197.1	189.1	•	17.1	0.0	0.0	39	31982
Syngenta N79Z-GT/CB/LL	196.1	•	•	17.3	0.0	0.0	44	30865
Dyna-Gro D56VP69	194.0	•	•	17.5	0.0	0.0	47	30521
Triumph 7514S	193.2	193.8	•	17.7	0.0	0.0	47	30951

Table 12. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2011, 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
Early- to Mid-Season Hybrids Continued								
Mycogen 2T784	192.5	•	•	17.5	0.0	0.0	45	31209
Armor 1539PRO	191.0	180.5	•	17.5	0.0	0.0	44	31466
REV®26HR82™	190.5	•	•	17.6	0.0	0.0	41	33014
Delta Grow 3788 GTBt11	190.1	196.8	•	17.7	0.0	0.0	45	34668
Armor 1161PRO(V)	189.5	191.4	•	16.4	0.0	1.0	35	32756
M-Pride 3110 GT	189.5	186.3	•	15.5	1.0	2.0	41	32670
Mycogen 2T832	189.5	•	•	18.2	0.0	0.0	40	30521
M-Pride 3193 VT3Pro	188.1	•	•	16.7	0.0	0.0	42	28887
Golden Acres GA 26V31	187.2	186.1	•	17.5	0.0	0.0	39	36255
BH Genetics XP 8492SS	185.3	•	•	15.9	0.0	0.0	39	33100
REV®26HR22™	180.5	•	•	16.4	0.0	0.0	46	29833
REV®25HR49™	178.0	176.4	189.1	17.5	0.0	0.0	46	32412
M-Pride 3150 GT3	176.2	195.6	•	17.2	0.0	2.0	46	33616
Dyna-Gro D51VP40	168.3	•	•	16.3	0.0	0.0	35	32154
REV®25R19™	167.4	178.5	•	16.0	0.0	0.0	50	30349
REV®25HR39™	167.0	169.0	188.2	15.8	0.0	0.0	46	30064
REV®26R60™	162.0	177.8	195.3	17.3	0.0	0.0	43	31037
REV®26HR70™	161.7	143.0	167.9	17.3	0.0	0.0	47	30521
GRAND MEAN	201.2	•	•	16.8	0.0	0.1	42	32634
LSD (5%)	19.8	•	•	0.9	•	•	•	2666
C.V.	7.1	•	•	3.9	•	•	•	6

Table 12. Performance of Irrigated Corn Hybrids, Rohwer, Ark., 2011, 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
Mid- to Full-Season								
DEKALB DKC69-29	228.2	•	•	16.6	0.0	0.0	40	35994
Merschman M-816A-10	224.7	•	•	17.3	0.0	0.0	44	34848
REV®28HR20™	214.9	204.1	225.5	17.3	0.0	0.0	50	29823
AgriGold A6839VT3Pro	211.8	•	•	16.8	0.0	0.0	44	35650
DEKALB DKC67-57	209.6	•	•	16.9	0.0	0.0	39	33587
Golden Acres GA 28V81	207.6	207.3	•	16.7	0.0	0.0	44	34160
Croplan 8756 VT3	204.0	210.7	221.4	17.5	0.0	0.0	45	35765
DEKALB DKC67-88	203.4	195.3	•	17.9	0.0	0.0	48	34963
Dyna-Gro D58VP30	200.5	•	•	16.4	0.0	0.0	44	33243
Triumph 1956H	199.5	•	•	18.1	0.0	0.0	48	31753
Pioneer P2088HR	195.4	•	•	16.9	0.0	0.0	41	32211
REV®28R10™	193.4	186.5	•	17.3	0.0	0.0	41	30263
Croplan 8505 VT3P	192.2	197.9	•	16.8	0.0	0.0	43	36338
REV®27HR32™	191.8	•	•	16.8	0.0	0.0	50	31180
Delta Grow 8488	191.6	•	•	16.7	0.0	0.0	41	33472
REV®27HR52™	191.3	•	•	16.7	0.0	0.0	35	30263
REV®28HR30™	190.8	188.1	•	18.8	0.0	0.0	43	31753
REV®28HR29™	186.3	172.3	•	18.0	0.0	0.0	51	32097
Dyna-Gro D57GT60	183.2	179.9	•	16.4	0.0	0.0	45	32555
GRAND MEAN	201.1	•	•	17.2	0.0	0.0	44	33154
LSD (5%)	28.4	•	•	0.6	•	•	•	3519
C.V.	8.5	•	•	2.2	•	•	•	6

[1] Average yield for 2010 and 2011.
[2] Average yield for 2009, 2010, and 2011.
[3] Average number of plants per variety.

Soil Series	Hebert silt loam
Soil pH	7.8
Previous Crop	Soybean
Row Width	38"
Preplant Fertilizer	0-5-100, October 18, 2010, 19-38-69-8-3, March 21
Planting Date	April 8
Irrigation Dates	May 18, June 9, June 15, June 23, June 30, July 13, July 19
Sidedress Fertilizer	88-0-0, May 23; 88-0-0, June 6
Herbicide Application(s)	Atrazine + Dual II Magnum + Roundup PowerMax, April 8, Laudis May 6
Harvest Date	Early hybrids, August 30; Late hybrids, August 31

Precipitation (inches)

	April	May	June	July	August	Total
2011	7.2	2.4	1.7	3.7	5.6	20.6
Average	5.0	4.7	3.5	3.9	2.5	19.6
Departure	2.2	-2.3	-1.8	-0.2	3.1	1.0

Table 13. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2011.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Stalk[3] Lodging	Ear Height Inches	Tip[4] Cover	Plants Per Acre
Early- to Mid-Season Hybrids								
Croplan 6926 VT3P	210.2	•	•	15.6	2.0	42	1	34832
Armor 1415PRO	207.6	201.0	•	16.5	0.0	44	2	31272
Armor 1161PRO(V)	206.7	205.8	•	15.7	0.0	39	1	32877
Delta Grow 2988 GTBt11	206.0	•	•	17.1	0.0	47	2	31832
Syngenta N68B-3111	201.9	•	•	15.9	0.0	42	1	30297
DEKALB DKC64-69	201.8	195.0	•	16.0	1.0	43	2	31413
Dyna-Gro D51VP40	201.5	•	•	15.2	1.0	40	1	32878
Armor 1262DPRO	199.7	199.8	•	15.7	0.0	44	3	32111
DEKALB DKC66-96	198.6	216.9	•	15.6	0.0	42	1	34485
Merschman M-1015B-15	197.8	•	•	16.5	1.0	41	2	31274
Delta Grow 8188 GTBt11	197.1	•	•	15.9	0.0	46	1	32391
Pioneer P1615HR	196.9	195.2	•	17.0	0.0	54	2	30995
Dyna-Gro D56VP69	196.6	•	•	17.1	1.0	48	2	32391
DEKALB DKC61-88	196.2	•	•	15.2	0.0	46	2	31412
Dyna-Gro D55VC21	193.8	•	•	16.7	0.0	42	1	30855
AgriGold A6632VT3Pro	193.1	188.4	•	16.7	0.0	39	1	32670
Dyna-Gro D54VP81	192.2	•	•	16.0	4.0	42	2	32810
Golden Acres GA 26V31	192.2	205.2	•	15.4	0.0	45	2	33232
M-Pride 3152 VT3Pro	191.9	•	•	16.3	0.0	50	1	29108
AgriGold A6553VT3	191.3	195.1	•	17.0	0.0	41	1	32809
Armor 1655PRO(V)	189.3	202.9	•	16.5	0.0	53	2	31832
AgriGold A6679VT3Pro	188.8	•	•	16.2	1.0	47	2	32738
Syngenta N77P 3000GT	188.3	187.7	•	16.6	0.0	46	1	31553
REV®25R19™	187.9	196.2	•	15.6	0.0	51	2	29738
Croplan 6725 VT3P	187.7	187.0	•	16.3	0.0	46	2	34206
REV®25HR49™	186.5	186.6	193.8	16.4	0.0	49	2	30994
BH Genetics BH 8928VTTP	185.2	198.7	•	16.6	0.0	49	2	31693
Delta Grow 2888 GTBt11	185.2	•	•	16.7	0.0	48	2	33089
AgriGold A6533VT3	184.8	192.6	189.1	16.4	0.0	42	1	33368
DEKALB DKC64-83	184.6	187.4	•	16.4	1.0	44	2	33089
REV®26R60™	184.5	196.2	197.3	16.6	0.0	46	2	29672
Armor 1539PRO	183.1	189.2	•	17.2	0.0	49	2	31972
Mycogen 2T784	182.5	•	•	16.3	1.0	47	1	32111
REV®26HR70™	181.3	187.3	189.8	16.9	0.0	52	2	31134
Syngenta N79Z-GT/CB/LL	181.3	•	•	16.5	0.0	50	2	31202
M-Pride 111x1-11 VT3Pro	181.1	•	•	15.6	0.0	41	1	33229
REV®26HR50™	180.6	199.7	194.2	17.4	0.0	46	2	31693
BH Genetics XP 11149VTTP	180.5	•	•	16.2	4.0	41	1	32391
M-Pride 3193 VT3Pro	180.3	•	•	16.5	0.0	44	1	28625
AgriGold A6489VT3	180.0	187.9	190.9	16.1	0.0	45	2	32670
BH Genetics XP 8570VTTP	180.0	•	•	15.6	2.0	44	2	29881
Syngenta N72F-3000GT	179.9	•	•	16.3	0.0	50	1	31134
Dyna-Gro D56VP24	179.8	180.6	•	16.2	0.0	45	2	32110
M-Pride 3151 GTCBLL	179.5	•	•	16.5	0.0	48	2	30995

Table 13. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2011, continued

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Stalk[3] Lodging	Ear Height Inches	Tip[4] Cover	Plants Per Acre
Early- to Mid-Season Hybrids Continued								
Dyna-Gro V5373VT3	179.4	181.2	185.9	17.1	0.0	46	1	32670
Dyna-Gro D55Q80	178.3	•	•	17.5	0.0	49	2	30716
Mycogen 2V738	177.5	•	•	16.3	0.0	47	1	31972
BH Genetics XP 8492SS	177.4	•	•	14.6	0.0	41	2	32529
AgriGold A6573VT3	177.2	•	•	15.8	0.0	45	1	31134
Mycogen 2A787	176.1	•	•	15.9	0.0	41	2	33089
REV®26HR82™	175.7	•	•	17.1	0.0	48	2	29598
M-Pride 3150 GT3	175.0	168.9	168.9	17.9	0.0	50	1	31557
DEKALB DKC65-19	173.3	•	•	16.7	0.0	38	2	31832
Delta Grow 3788 GTBt11	173.0	165.8	•	18.3	0.0	51	1	32949
M-Pride 3140 VT3Pro	172.0	•	•	15.1	1.0	42	2	34070
Mycogen 2T832	170.9	•	•	18.3	0.0	44	1	30855
Triumph 7514S	170.0	170.6	•	17.6	1.0	46	1	31972
Dyna-Gro 57V59	169.4	182.2	•	15.1	0.0	39	2	30296
REV®26HR22™	166.6	•	•	16.1	0.0	52	2	28342
Mycogen 2V715	165.9	•	•	14.4	0.0	48	1	31832
REV®25HR39™	146.1	177.6	187.5	15.8	0.0	48	2	29459
M-Pride 3110 GT[5]	•	•	•	•	•	•	•	•
GRAND MEAN	185.2	•	•	16.3	0.4	46	2	31769
LSD (5%)	27.8	•	•	0.9	•	•	•	3024
C.V.	9.3	•	•	3.3	•	•	•	6

Table 13. Performance of Irrigated Corn Hybrids, Bell Farming Company, Des Arc, Ark., 2011, continued.

Brand/Hybrid	Yield bu./A	2-Year[1] Avg. bu./A	3-Year[2] Avg. bu./A	Grain Moisture %	Stalk[3] Lodging	Ear Height Inches	Tip[4] Cover	Plants Per Acre
Mid- to Full-Season								
REV®28HR20™	225.3	218.5	219.9	17.6	0.0	55	2	30995
Pioneer P2088HR	224.3	•	•	17.6	0.0	52	2	31728
DEKALB DKC67-88	223.8	220.9	•	17.2	0.0	56	2	31274
Croplan 8505 VT3P	215.7	212.9	•	16.4	1.0	52	1	37360
Dyna-Gro D58VP30	207.5	•	•	16.1	0.0	53	1	29816
REV®28HR29™	207.4	209.8	•	17.7	0.0	52	1	29842
AgriGold A6839VT3Pro	206.8	•	•	16.4	1.0	42	1	31074
REV®27HR32™	206.3	•	•	16.9	0.0	52	2	29040
REV®28R10™	203.5	208.4	•	17.0	0.0	48	2	31074
DEKALB DKC67-57	202.8	•	•	16.3	0.0	42	1	32251
Merschman M-816A-10	197.1	•	•	17.3	0.0	45	2	33508
DEKALB DKC69-29	196.8	•	•	17.3	1.0	40	2	33793
REV®28HR30™	196.2	203.8	•	19.1	1.0	57	2	29319
Croplan 8756 VT3	194.7	181.9	193.8	17.2	0.0	49	1	33118
Golden Acres GA 28V81	189.7	206.5	•	16.9	0.0	48	2	28979
REV®27HR52™	188.0	•	•	17.2	0.0	45	2	29813
Triumph 1956H	186.1	•	•	19.3	1.0	55	1	32670
Dyna-Gro D57GT60	184.7	192.4	•	16.8	0.0	53	1	29319
Delta Grow 8488	163.5	•	•	17.4	1.0	47	1	31274
GRAND MEAN	201.1	•	•	17.2	0.3	50	2	31381
LSD (5%)	44.7	•	•	1.0	•	•	•	3849
C.V.	13.2	•	•	3.4	•	•	•	7

[1] Average yield for 2010 and 2011.

[2] Average yield for 2009, 2010, and 2011.

[3] Average number of plants per hybrid.

[4] Tip cover was rated as good (1), average (2), or poor (3). A rating of good was given when husks reached well beyond the end of the ear and fit tightly. A rating of average was given when the husks reached the tip of the ear or fit loosely. A rating of poor was given when ears were open to the weather.

[5] A reportable yield could not be obtained for this hybrid at this location due to equipment malfunction.

Soil Series	Calhoun silt loam
Soil pH	7.5
Previous Crop	Soybean
Row Width	30"
Preplant Herbicide	32 oz/A Maddog + 24 oz/A 2,4-D
Preplant Fertilizer	2 tons/A chicken litter, strip till incorportated, Fall 2010 175 lb/A potash + 225 lb/A ammonium sulfate + 130 lb/A urea incorporated, April 8
Planting Date	April 19
Sidedress Fertilizer	60 units/A nitrogen, May 9; 125 lb/A urea + 50 lb/A potash, June 8
Herbicide Application(s)	0.75 oz/A Steadfast + 2 qt/A Atrazine, May 10
Insecticide Application(s)	5.12 oz/A Sniper, May 19
Fungicide Application(s)	6 oz/A Headline. June 30
Harvest Date	August 30

Participants and Entries
2011 Grain Sorghum Tests

Company	Hybrids
B-H Genetics 5933 FM1157 Ganado, TX 77962	BH 5566 BH 5350
Crop Production Services 1673 N. US Hwy 61 Portageville, MO 63873	Dyna-Gro 771B Dyna-Gro 772B Dyna-Gro 780B
Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	DEKALB DKS53-67
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Suite 302 Huntsville, AL 35802	Pioneer 83P17 Pioneer 84G62 Pioneer 84P80
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA	Terral TV1050 Terral TV96H81 Terral TV96H91
Triumph Seed Co. , Inc. P.O. Box 1050 Ralls, TX 79357	Triumph TR82-G

Participants and Entries
2011 Corn Tests

Company	Hybrids
AgriGold 5381 Akin Rd St. Francisville, IL 62460	AgriGold A6489VT3 AgriGold A6533VT3 AgriGold A6553VT3 AgriGold A6573VT3 AgriGold A6632VT3Pro AgriGold A6679VT3Pro AgriGold A6839VT3Pro
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor 1161PRO(V) Armor 1262DPRO Armor 1415PRO Armor 1539PRO Armor 1655PRO(V)
B-H Genetics 5933 FM 1157 Ganado, TX 77962	BH 8928VTTP XP 11149VTTP XP 8492SS XP 8570VTTP
Crop Production Services 1673 N. US Hwy 61 Portageville, MO 63873	Dyna-Gro 57V59 Dyna-Gro D54VP81 Dyna-Gro D51VP40 Dyna-Gro D55Q80 Dyna-Gro D55VC21 Dyna-Gro D56VP24 Dyna-Gro D56VP69 Dyna-Gro D57GT60 Dyna-Gro D58VP30 Dyna-Gro V5373VT3
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 2888 GTBt11 Delta Grow 2988 GTBt11 Delta Grow 3788 GTBt11 Delta Grow 8188 GTBt11 Delta Grow 8488 GTBt11
Golden Acres Genetics P.O. Box 579 Buchanan Dam, TX 78609	Golden Acres 26V31 Golden Acres 28V81
Merschman Seeds, Inc. P.O. Box 279 New Madrid, MO 63869	Merschman M-816A-10 Merschman M-1015B-15

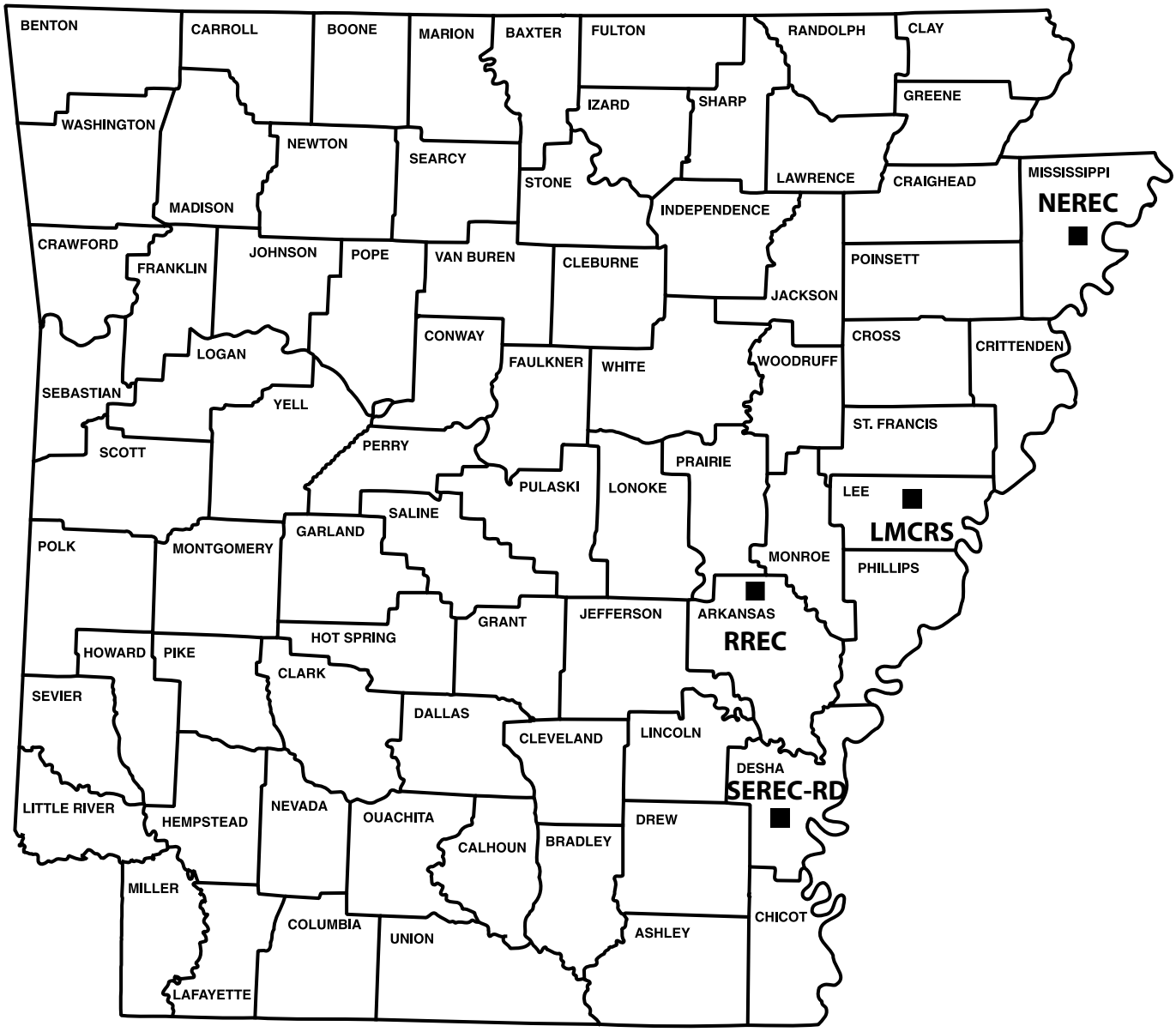
Participants and Entries
2011 Corn Tests Continued

Company	Hybrids
Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	DEKALB DKC61-88 DEKALB DKC64-69 DEKALB DKC64-83 DEKALB DKC65-19 DEKALB DKC66-96 DEKALB DKC67-57 DEKALB DKC67-88 DEKALB DKC69-29
M-Pride Genetics, Inc. P.0. Box 560 Garden City, MO 64747	MP 111x1-11 VT3Pro MP 3110 GT MP 3140 VT3Pro MP 3150 GT3 MP 3151 GTCBLL MP 3152 VT3Pro MP 3193 VT3Pro
Mycogen Seeds Route 1, Box 260E Wayne City, IL 62895	Mycogen 2A787 Mycogen 2T784 Mycogen 2T832 Mycogen 2V715 Mycogen 2V738
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Ste. 302 Huntsville, AL 35802	Pioneer P1615HR Pioneer P2088HR
Syngenta Seeds 27 Kelly Court Cabot, AR 72023	Syngenta N68B-3111 Syngenta N72F-3000GT Syngenta N77P-3000GT Syngenta N79Z-GT/CB/LL
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA	REV®25HR39™ REV®25HR49™ REV®25R19™ REV®26HR22™ REV®26HR50™ REV®26HR70™ REV®26HR82™ REV®26R60™ REV®27HR32™ REV®27HR52™ REV®28HR20™ REV®28HR29™ REV®28HR30™ REV®28R10™

Participants and Entries
2011 Corn Tests Continued

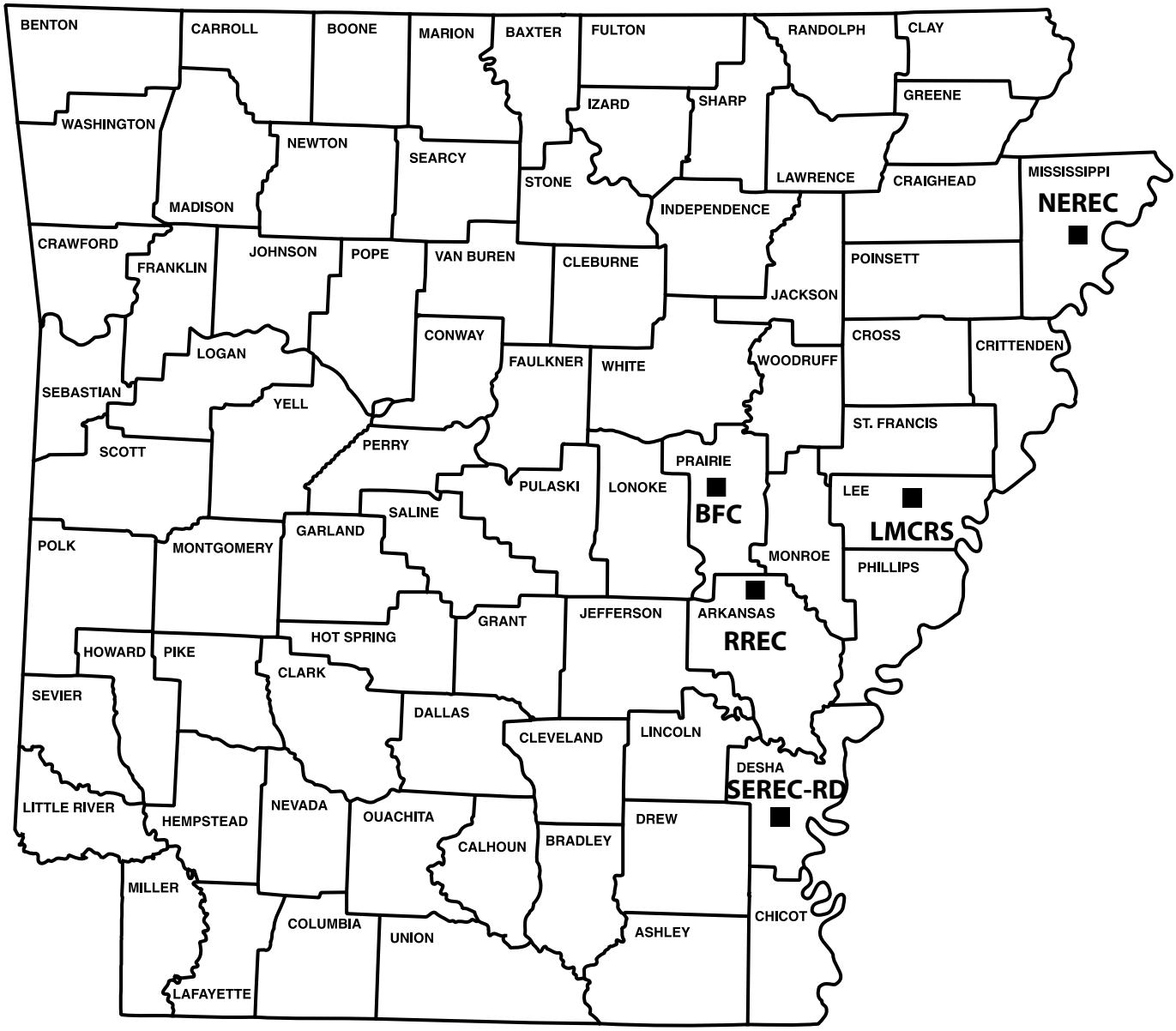
Company	Hybrids
Triumph Seed Co., Inc. P.O. Box 1050 Ralls, TX 79357	Triumph 1956H Triumph 7514S
WinField Solutions/ Croplan Genetics P.O. Box 1351 Blytheville, AR 72315	Croplan 6725 VT3P Croplan 6926 VT3P Croplan 8505 VT3P Croplan 8756 VT3

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**

DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System