

# 2008 Arkansas

U.S. Department of Agriculture and County Governments  
Cooperating

## Table of Contents

	<b>Page</b>
Authors and Acknowledgments.....	2
Introduction.....	3
Corn and Grain Sorghum Standardized County Hybrid Trials District Map.....	4
River Valley and Southwest Corn Reports (Lafayette, Yell).....	6
Central Corn Reports (Prairie, Pulaski, White).....	9
Northeast Corn Reports (Craighead, Crittenden, Cross, Greene, Jackson, Poinsett, Randolph)...	13
Southeast Corn Reports (Arkansas, Desha/Drew, Jefferson, Jefferson, Lincoln).....	22
Appendix A. Corn Hybrid Traits.....	28
River Valley Grain Sorghum Report (Conway).....	30
Central Grain Sorghum Report (Prairie).....	32
Northeast Grain Sorghum Reports (Craighead, Cross, Jackson).....	35
Southeast Grain Sorghum Reports (Jefferson Non-Irrigated, Jefferson Irrigated).....	39

## Corn and Grain Sorghum Standardized County Hybrid Trials, 2008

Conducted by:

Kevin Lawson, Program Associate – Corn and Grain Sorghum Verification Coordinator

Dr. Jason Kelley, Extension Agronomist – Wheat and Feed Grains

County	District	County Agent	Cooperator	Crop
Arkansas	Southeast	Carly Bokker	Terry Whiting	Corn
Conway	River Valley	Tommy Thompson	Randy Pettingill	Grain Sorghum
Craighead	Northeast	Branon Thiesse	Keith Dooley	Corn
Craighead	Northeast	Branon Thiesse	Keith Dooley	Grain Sorghum
Crittenden	Northeast	Jason Osborn	Mack Ray	Corn
Cross	Northeast	Rick Wimberley	Tim Fisher	Corn
Cross	Northeast	Rick Wimberley	Tim Fisher	Grain Sorghum
Desha/Drew	Southeast	Wes Kirkpatrick, Chuck Capps	William Palsa	Corn
Greene	Northeast	Chris Grimes	Derek Boling	Corn
Jackson	Northeast	Randy Chlapecka	D&M Farms	Corn
Jackson	Northeast	Randy Chlapecka	D&M Farms	Grain Sorghum
Jefferson	Southeast	Don Plunkett	Guenther Farm	Corn
Jefferson	Southeast	Don Plunkett	Jason Young	Corn
Jefferson	Southeast	Don Plunkett, Brad Phillips	Jason Young	Grain Sorghum
Lafayette	Southwest	Joe Vestal	Clarence Brent	Corn
Lincoln	Southeast	Chad Norton	John Freeman	Corn
Monroe	Central	Van Dawson, Robert Goodson	Shawn Bennett	Corn
Poinsett	Northeast	Rick Thompson	Gairhan Farms	Corn
Prairie	Central	Tony Richards	Calhoun&Son, Bill Holland	Corn
Prairie	Central	Tony Richards	Mike Skarda	Grain Sorghum
Pulaski	Central	Allan Beuerman	Dudley Webb	Corn
Randolph	Northeast	Mike Andrews	Victor Stone	Corn
White	Central	Keith Martin	Danny Barnett	Corn
Yell	River Valley	Van Banks	Chris Mann	Corn

### Special thanks to the Industry Representatives that supplied the seed:

Company	Representative
Belle	Jeff Pangle
Croplan Genetics	Jeremy Frankenberger
Dyna-Gro	Larry Stauber
Monsanto (DeKalb, Asgrow)	Bill Rushing, Autumn Day, Robert Wier, Mark Kriehauser, Danny Gonzalez, Bradley Jackson, Richie Workman
NC+	David Beary
Pioneer	William Johnson, Roger Gipson, Otis Howe
Syngenta (Garst, NK)	Robert Prince, James Sims
Terral	Paul Sumner
Triumph	Terry Fuller

## Introduction

The 2008 growing season was the first year for the Corn and Grain Sorghum Standardized County Hybrid Trials. The trials were a collaborative effort between growers, county Extension agents, Extension specialists and industry representatives. The trials were developed to help promote and standardize the hybrid demonstrations that were already taking place in many counties. Through this program, company representatives were able to place hybrids in counties in 5 different districts to compare yield data. Districts included the Northeast, Central, Southeast, River Valley and Southwest districts. A map follows on the next page showing the counties in each district. Industry representatives were allowed to choose hybrids entered, but were asked to provide only hybrids that were commercially available. All hybrids were glyphosate tolerant and Bt. Relative maturity of hybrids entered ranged from 107 to 119 days. Trials were strip trials and were not replicated.

The Extension agent was responsible for finding a cooperator, planting and harvesting the trials. The data was sent to the Program Associate – Corn and Grain Sorghum Verification Coordinator to compile in this publication. Each county Extension agent in the districts was given the opportunity to plant three different types of trials.

1. A corn trial that consisted of one hybrid from each company.
2. A corn trial that consisted of two hybrids from each company.
3. A grain sorghum trial that consisted of two hybrids from each company.

Twenty one counties participated in 2008 and 18 corn trials and 7 grain sorghum trials were harvested. Four corn and four grain sorghum trials were not planted or not harvested due to excessive rainfall in the spring. A corn trial was planted in Monroe County, but yields were not reported due to unexplained variability in yields.

All producers followed their normal production practices and were advised by the county Extension agent. The cooperation of all producers mentioned in this publication is appreciated. Producers donate time, equipment and hired labor to make these trials possible.

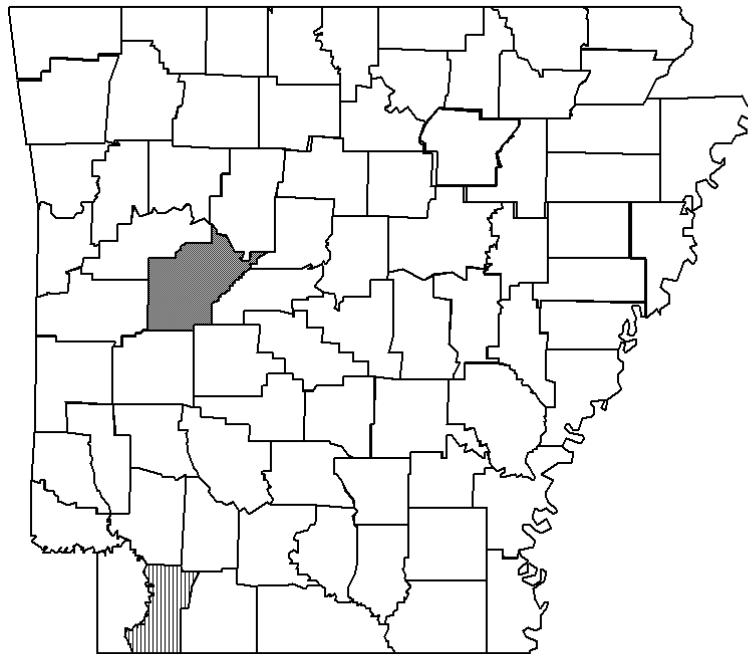


# 2008 Corn Results

# River Valley and Southwest Corn

The River Valley and Southwest District trials had two trials with 8 hybrids planted. The following table shows a summary across the district.

	----- bushels per acre -----	
<b>Hybrid</b>	<b>Lafayette</b>	<b>Yell</b>
Belle 1545RY	160.53	187.84
DeKalb DKC 64-79VT3	156.52	189.71
Dyna-Gro 57V05	---	187.22
Dyna-Gro 58V24	163.47	---
NK N70-C7	157.13	178.88
Pioneer 31P42	162.06	190.93
Terral TV 25BR71	---	186.94
Terral TV 26BR61	141.02	---
<b>Average</b>	<b>156.79</b>	<b>186.92</b>



# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

***** lbs per acre *****					
Soil Type	pH	P	K	SO4-S	Zn
Silt Loam	5.7	144	288	34	11.0

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant						Type: <input type="text" value="furrow"/>
--- Sidedress	156	40	40	12	5	
--- Pretassel						Number: <input type="text" value="2"/>
Total Fertility:	156	40	40	12	5	

	Date	Products and Rates Used
Herbicide:	<input type="text" value="March 28, 2008"/>	<input type="text" value="1 qt. Atrazine 4L + 1 qt. Glyphosate per Acre - Pre"/>
		<input type="text" value="1 qt. Atrazine 4L - Post"/>
Fungicide:	<input type="text" value="None"/>	
Insecticide:	<input type="text" value="None"/>	

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	160.53	0.710	6,164	155.03	12.5	26,000	1	57.3
DeKalb DKC 64-79VT3	156.52	0.710	6,010	151.16	12.5	26,000	2	58.7
Dyna-Gro 58V24	163.47	0.710	6,234	156.79	11.9	26,000	6	54.1
NK N70-C7	157.13	0.710	6,006	151.06	12.1	26,000	2	56.6
Pioneer 31P42	162.06	0.710	6,210	156.19	12.3	26,000	2	57.4
Terral TV 26BR61	141.02	0.710	5,452	137.12	13.1	26,000	2	58.9

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

\*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Information:	Soil Type	pH	P	K	SO4-S	Zn
	Silt/Silty Clay Loam	4.9	44	131	15	3.2

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	100		80			Type: <input type="text" value="Pivot"/>
--- Sidedress	200			20		Number: <input type="text"/>
--- Pretassel						
Total Fertility:	300	0	80	20	0	

	Date	Products and Rates Used
Herbicide:	<input type="text" value="May 1, 2008"/>	<input type="text" value="2 qt. Atrazine, 1 qt. Glyphosate, 10% Resolve"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	187.84	0.725	7,532	185.65	14.5		1	57.2
DeKalb DKC 64-79VT3	189.71	0.725	7,598	187.27	14.4		1	59.4
Dyna-Gro 57V05	187.22	0.725	7,560	186.34	15.1		1	57.3
NK N70-C7	178.88	0.725	7,156	176.38	14.3		1	57.7
Pioneer 31P42	190.93	0.725	7,728	190.48	15.3		1	59.9
Terral TV25BR71	186.94	0.725	7,496	184.76	14.5		1	58.7

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

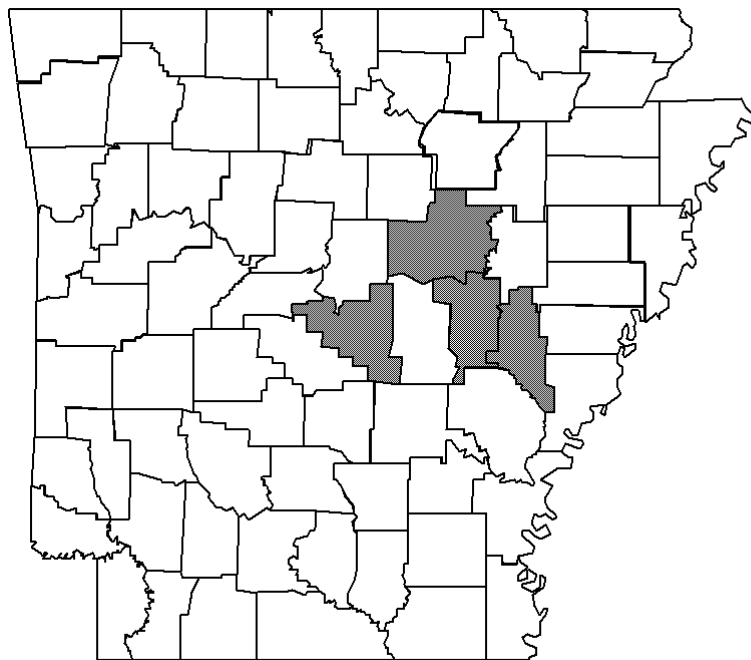
<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# Central Corn

The Central District had four trials with 15 hybrids planted. The Monroe County trial is not reported due to unexplained variability in yields. The following table shows a summary of the hybrids across this district.

Hybrid	----- bushels per acre -----			
	Monroe	Prairie	Pulaski	White
Belle 1545RY		140.93	---	---
Belle 1646RY	---	136.15	186.88	109.87
Croplan Genetics 6818TS		134.89	---	---
Croplan Genetics 7505VT3		134.69	---	---
DeKalb DKC 64-79VT3	---	147.59	186.88	137.25
DeKalb DKC 67-23		127.56	---	---
Dyna-Gro 57V05		142.41	---	155.74
Dyna-Gro 58V24	---	142.05	198.30	---
NK N70-C7		124.41	191.58	166.48
NK N78N-GT/CB/LL	---	139.20	---	---
Pioneer 31P42	---	142.08	201.39	166.28
Pioneer 32B29		132.35	---	---
Terral TV 26TR41		135.60	---	---
Terral TV 25BR71		124.88	176.68	172.89
Terral TV 26BR61	---	---	---	---
<b>Average</b>	<b>---</b>	<b>136.06</b>	<b>190.29</b>	<b>151.42</b>



# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:  \*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
Silt Loam					

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant						Type: <input type="text" value="Furrow"/>
--- Sidedress						Number: <input type="text"/>
--- Pretassel						
Total Fertility:	0	0	0	0	0	

Date	Products and Rates Used
Herbicide: <input type="text"/>	<input type="text"/>
Fungicide: <input type="text"/>	<input type="text"/>
Insecticide: <input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	140.93	0.710	5,760	144.87	17.8			55
Belle 1646RY	136.15	0.710	5,592	140.64	18.2			54
Croplan Genetics 6818TS	134.89	0.710	5,480	137.83	17.3			57
Croplan Genetics7505VT3	134.69	0.710	5,452	137.12	17.0			60
DeKalb DKC 64-79VT3	147.59	0.710	5,960	149.90	16.8			57
DeKalb DKC 67-23	127.56	0.710	5,252	132.09	18.4			58
Dyna-Gro 57V05	142.41	0.710	5,842	146.93	18.1			57
Dyna-Gro 58V24	142.05	0.710	5,750	144.62	17.0			54
NK N78N-GT/CB/LL	139.20	0.710	5,788	145.57	19.2			58
NK N70-C7	124.41	0.710	5,018	126.21	16.7			56
Pioneer 31P42	142.08	0.710	5,786	145.52	17.5			58
Pioneer 32B29	132.35	0.710	5,416	136.22	17.9			58
Terral TV25BR71	124.88	0.710	5,186	130.43	19.1			56
Terral TV26TR41	135.60	0.710	5,522	138.88	17.5			57

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

\*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
Keo silt loam	7.3	58	106	34	4.2

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	85	80	98			Type: <input type="text" value="Furrow"/>
--- Sidedress	138					
--- Pretassel	46					Number: <input type="text" value="6"/>
Total Fertility:	269	80	98	0	0	

	Date	Products and Rates Used
Herbicide:	April 30, 2008	2 qt Atrazine + 1 qt Glyphosate
	May 25, 2008	1 qt Glyphosate
Fungicide:	June 17, 2008	6 oz Headline
Insecticide:		

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	196.46	0.530	5,756	193.94	14.4	30,538	2.5	54.4
DeKalb DKC 64-79VT3	186.88	0.552	5,696	184.27	14.3	32,739	2.5	56.5
DynaGro 58V24	198.30	0.552	6,016	194.62	13.9	29,998	2.5	54.1
NK N70-C7	191.58	0.538	5,738	190.45	15.0	32,464	3	54.4
Pioneer 31P42	201.39	0.552	6,218	201.15	15.4	29,988	1.2	56
Terral TV 25BR71	176.68	0.552	5,360	173.40	13.9	27,236	3	54.2

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

***** lbs per acre *****					
Soil Type	pH	P	K	SO4-S	Zn
<input type="text" value="Silt Loam"/>	<input type="text" value="6.3"/>	<input type="text" value="198"/>	<input type="text" value="212"/>	<input type="text" value="14"/>	<input type="text" value="6.4"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	<input type="text" value="34.5"/>	<input type="text" value="78"/>	<input type="text" value="78"/>	<input type="text"/>	<input type="text"/>	Type: <input type="text" value="Furrow"/>
--- Sidedress	<input type="text" value="184"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Number: <input type="text" value="5"/>
--- Pretassel	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total Fertility:	<input type="text" value="218.5"/>	<input type="text" value="78"/>	<input type="text" value="78"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	

	Date	Products and Rates Used
Herbicide:	<input type="text" value="June 10, 2008"/>	<input type="text" value="Atrazine 2 qt./A and Glyphosate 1pt./A"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Bell 1646RY	109.87	0.557	3,500	112.13	17.2	31,363	5	57
DeKalb DKC 67-49VT3	137.25	1.115	8,590	137.57	15.7	31,944	5	60
Dyna-Gro 57V05	155.74	1.115	9,656	154.64	14.9	32,912	5	59
NK N70-C7	166.48	1.115	10,322	165.31	14.9	26,136	3	59
Pioneer 31P42	166.28	1.115	10,358	165.89	15.3	30,008	5	59
Terral 25BR71	172.89	1.115	10,732	171.88	15.0	29,040	8	58.5

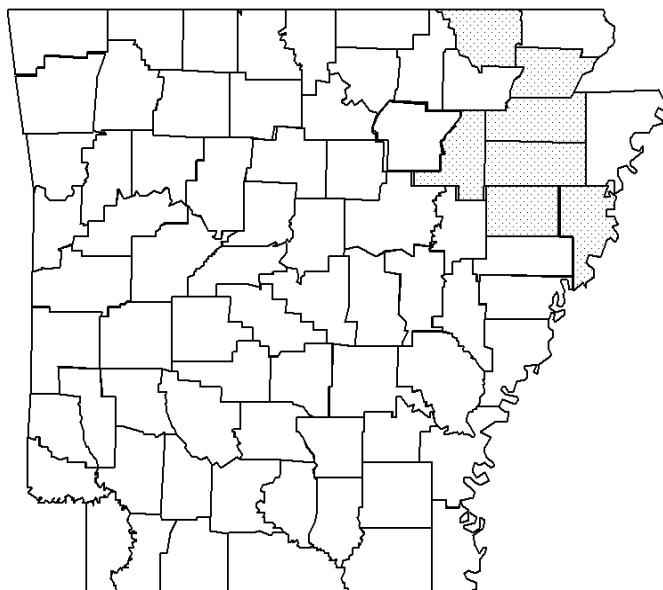
**Additional Comments:** County agent reported that chicken litter was stacked where first two hybrids were planted causing low yields for those hybrids.

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.  
<sup>2</sup> Plant Stand is given as plants per acre.  
<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# Northeast Corn

The Northeast District had seven trials with 26 hybrids planted. The following table shows a summary of the hybrids across this district.

Hybrid	----- bushels per acre -----						
	Craighead	Crittenden	Cross	Greene	Jackson	Poinsett	Randolph
Belle 1545RY	193.35	---	208.95	171.80	149.75	---	204.47
Belle 1646RY	189.97	128.80	206.11	251.00	148.84	205.21	210.28
Croplan Gen. 6631VT3	181.85	133.80	---	221.40	143.38	---	218.24
Croplan Gen. 7505VT3	186.75	---	---	219.40	147.93	---	199.18
DeKalb DKC 62-99	---	---	---	196.90	---	---	---
DeKalb DKC 64-79VT3	156.88	144.80	211.10	---	151.57	242.62	220.54
DeKalb DKC 66-23	167.96	---	205.14	---	---	---	209.62
DeKalb DKC 67-23	---	---	---	202.90	159.76	---	---
Dyna-Gro 57V05	192.05	---	209.85	---	144.74	---	---
Dyna-Gro 57V44	---	---	---	199.80	---	---	202.62
Dyna-Gro 58V24	190.04	70.50	196.34	192.20	142.47	234.32	210.61
NC+ 4251RB	---	---	---	---	---	209.22	---
NC+ 5357VT3	---	---	---	183.20	---	---	---
NC+ 5403VT3	---	---	---	---	---	---	201.31
NC+ 5436VT3	---	---	---	---	143.38	---	---
NC+ 5433RB	---	---	215.01	---	---	---	---
NC+ 5450R	---	---	196.87	---	---	---	---
NC+ 5453VT3	167.38	129.70	---	204.80	149.75	---	---
NC+ 6361RB	162.19	---	---	---	---	---	218.87
NK N70-C7	173.61	---	189.05	194.00	136.55	---	197.37
NK N78N-GT/CB/LL	192.09	168.60	204.65	224.10	139.28	235.59	230.22
Pioneer 31P42	192.87	149.30	188.64	262.80	162.12	238.61	230.22
Pioneer 33N58	167.43	---	207.41	203.50	160.22	---	221.16
Terral TV 26TR41	---	---	---	---	160.22	---	---
Terral TV 25BR71	175.86	123.30	202.85	246.90	153.39	---	206.77
Terral TV 26BR61	184.47	---	208.85	197.70	---	197.07	192.51
<b>Average</b>	<b>179.67</b>	<b>131.10</b>	<b>203.63</b>	<b>210.78</b>	<b>149.58</b>	<b>223.23</b>	<b>210.87</b>



# University of Arkansas County Hybrid Demonstration

**U of A** UNIVERSITY OF ARKANSAS  
 DIVISION OF AGRICULTURE  
 Cooperative Extension Service

County:  Crop:

County Agent:  Grower:

Location of Field:

		***** lbs per acre *****				
Soil Type		pH	P	K	SO4-S	Zn
Soil Information:	<input type="text" value="Calloway Silt Loam"/>	<input type="text" value="7.8"/>	<input type="text" value="0"/>	<input type="text" value="80"/>	<input type="text" value="0"/>	<input type="text" value="0.0"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation	
---						Type:	<input type="text" value="Furrow"/>
Preplant	<input type="text" value="80"/>	<input type="text" value="40"/>	<input type="text" value="80"/>	<input type="text" value="10"/>	<input type="text" value="0.5"/>		
---							
Sidedress	<input type="text" value="95"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>		
---							
Pretassel	<input type="text" value="46"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Number:	<input type="text" value="3"/>
Total Fertility:	<input type="text" value="221"/>	<input type="text" value="40"/>	<input type="text" value="80"/>	<input type="text" value="10"/>	<input type="text" value="0.5"/>		

	Date	Products and Rates Used
Herbicide:	<input type="text" value="May 10, 2008"/>	<input type="text" value="1 qt. Atrazine + 22 oz. Roundup PowerMax + 1 qt. Force Plus"/>
Fungicide:	<input type="text" value="July 8, 2008"/>	<input type="text" value="Headline 6 oz./A"/>
Insecticide:	<input type="text" value="July 8, 2008"/>	<input type="text" value="Intrepid 2 F 6 oz./A"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	193.3 5	0.276	2,950	190.86	14.4	33,000	2.5	57
Belle 1646RY	189.9 7	0.276	2,870	185.57	13.5	33,000	3	55.5
Croplan Genetics6631VT3	181.8 5	0.275	2,758	179.09	14.2	33,000	8.5	57
Croplan Genetics7505VT3	186.7 5	0.275	2,816	182.86	13.7	33,000	2.5	59.5
DeKalb DKC 64-79VT3	156.8 8	0.275	2,352	152.73	13.2	33,000	2.5	58
DeKalb DKC 66-23	167.9 6	0.275	2,518	163.51	13.2	33,000	6	56
Dyna-Gro 58V24	190.0 4	0.276	2,886	186.72	14.0	33,000	3	55
Dyna-Gro 57V05	192.0 5	0.276	2,920	188.92	14.1	33,000	4	57
NC+ 6361RB	162.1 9	0.277	2,452	158.07	13.3	33,000	3	55
NC+ 5453VT3	167.3 8	0.277	2,560	165.03	14.3	33,000	2.5	57
NK N78N-GT/CB/LL	192.0 9	0.277	2,938	189.40	14.3	33,000	2.5	58
NK N70-C7	173.6 1	0.277	2,640	170.19	13.8	33,000	4	57
Pioneer 31P42	192.8 7	0.276	2,912	188.41	13.5	33,000	2.5	58.5
Pioneer 33N58	167.4 3	0.276	2,528	163.56	13.5	33,000	2	58
Terral TV 25BR71	175.8 6	0.277	2,696	173.80	14.5	33,000	5	59.5
Terral TV 26BR61	184.4 7	0.277	2,838	182.96	14.8	33,000	4	58

<sup>1</sup> Yield is adjusted to 15.5% moisture and is reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre. <sup>3</sup> Lodging score – 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration



County:

Crop:

County Agent:

Grower:

Location of Field:

Soil  pH  P  K  SO4-S  Zn

\*\*\*\*\* lbs per acre \*\*\*\*\*

Information:

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation Type: <input type="text" value="Pivot"/>
--- Preplant						Number: <input type="text"/>
---						
Sidedress						
---						
Pretassel						
Total Fertility:	0	0	0	0	0	

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	128.80			124.10	12.3		1	
Croplan Genetics6631VT3	133.80			129.66	12.8		1	
DeKalb DKC 64-79VT3	144.80			141.94	13.8		1	
Dyna-Gro 58V24	70.50			69.11	13.8		7	
NC+ 5453VT3	129.70			125.83	12.9		3	
NK N78N-GT/CB/LL	168.60			168.60	15.5		3	
Pioneer 31P42	149.30			147.21	14.3		1	
Terral TV 25BR71	123.30			121.15	14.0		4	
<b>Additional Comments:</b>	County agent reported low yield on Dyna-Gro 58V24 due to excessive lodging.							

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:	Soil Type	***** lbs per acre *****				
		pH	P	K	SO4-S	Zn
	<input type="text" value="Arkabutla Silt Loam"/>	<input type="text" value="6.5"/>	<input type="text" value="92"/>	<input type="text" value="246"/>	<input type="text" value="26"/>	<input type="text" value="10.0"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N P K S Zn					Irrigation	
	---	Preplant	Sidedress	Pretassel	Total Fertility:	Type:	Number:
	<input type="text" value="75"/>	<input type="text" value="50"/>	<input type="text" value="105"/>	<input type="text" value="10"/>	<input type="text" value="3.5"/>	<input type="text" value="Furrow"/>	<input type="text" value="6"/>
	<input type="text" value="105"/>						
	<input type="text" value="45"/>						
	<input type="text" value="225"/>	<input type="text" value="50"/>	<input type="text" value="105"/>	<input type="text" value="10"/>	<input type="text" value="3.5"/>		

Herbicide:	Date	Products and Rates Used
		<input type="text" value="April 1, 2008"/>
	<input type="text" value="April 21, 2008"/>	<input type="text" value="Bicep @ 2 qt./ac + 1 pt. Atrazine"/>
Fungicide:	<input type="text" value="July 10, 2008"/>	<input type="text" value="6 oz. Quadris"/>
Insecticide:	<input type="text" value="July 10, 2008"/>	<input type="text" value="2 oz. Karate"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	208.95	0.262	3,095	210.95	16.3	32,000	1	57.7
Belle 1646RY	206.11	0.259	3,000	206.84	15.8	32,000	1	55.2
DeKalb DKC 64-79VT3	211.10	0.262	3,090	210.61	15.3	32,000	1	59.3
DeKalb DKC 66-23	205.14	0.257	2,970	206.36	16.0	32,000	1	58.5
Dyna-Gro 57V05	209.85	0.262	3,165	215.72	17.8	32,000	1	58.2
Dyna-Gro 58V24	196.34	0.259	2,875	198.22	16.3	32,000	1	55.5
NC+ 5450R	196.87	0.262	2,885	196.63	15.4	32,000	1	59.8
NC+ 5433RB	215.01	0.261	3,150	215.52	15.7	32,000	1	59.9
NK N70-C7	189.05	0.264	2,785	188.38	15.2	32,000	1	58.7
NK 78N-GT/CB/LL	204.65	0.255	3,030	212.18	18.5	32,000	1	57
Pioneer 33N58	207.41	0.266	3,075	206.43	15.1	32,000	1	60.8
Pioneer 31P42	188.64	0.254	2,735	192.28	17.1	32,000	1	58.5
Terral TV 26BR61	208.85	0.255	3,040	212.89	17.1	32,000	1	58.5
Terral TV 25BR71	202.85	0.257	2,965	206.02	16.8	32,000	1	58.1

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:

\*\*\*\*\* lbs per acre \*\*\*\*\*

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant						Type: <input type="text" value="Furrow"/>
--- Sidedress						Number: <input type="text"/>
--- Pretassel						
Total Fertility:	0	0	0	0	0	

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	171.80			192.54	24.6			56
Belle 1646RY	251.00			265.78	20.2			59
Croplan Genetics6631VT3	221.40			228.15	18.0			57
Croplan Genetics7505VT3	219.40			228.88	19.0			59
DeKalb DKC 62-99	196.90			202.90	18.0			58
DeKalb DKC 67-23	202.90			214.05	19.9			60
Dyna-Gro 57V44	199.80			207.66	18.7			57
Dyna-Gro 58V24	192.20			203.52	20.2			55
NC+ 5357VT3	183.20			186.51	17.0			57
NC+ 5453VT3	204.80			216.86	20.2			59
NK N70-C7	194.00			206.20	20.5			56.5
NK N78N-GT/CB/LL	224.10			242.77	22.0			58
Pioneer 33N58	203.50			209.70	18.0			57
Pioneer 31P42	262.80			279.33	20.5			58
Terral TV26BR61	197.70			220.68	24.3			55
Terral TV25BR71	246.90			272.72	23.5			57

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

		***** lbs per acre *****				
Soil Information:	Soil Type	pH	P	K	SO4-S	Zn
	<input type="text" value="Dexter Silt Loam"/>	<input type="text" value="6.4"/>	<input type="text" value="28"/>	<input type="text" value="206"/>	<input type="text" value="28"/>	<input type="text" value="8.0"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	<input type="text" value="92"/>	<input type="text" value="69"/>	<input type="text" value="93"/>	<input type="text"/>	<input type="text"/>	Type: <input type="text" value="Furrow"/>
--- Sidedress	<input type="text" value="69"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Number: <input type="text" value="2"/>
--- Pretassel	<input type="text" value="46"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total Fertility:	<input type="text" value="207"/>	<input type="text" value="69"/>	<input type="text" value="93"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	

	Date	Products and Rates Used
Herbicide:	<input type="text" value="May 6, 2008"/>	<input type="text" value="Atrazine (2 quarts) plus Dual (1.33 pints)"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	149.75	0.195	1,645	150.64	16.0			
Belle 1646RY	148.84	0.195	1,635	149.73	16.0			
Croplan Genetics7505VT3	147.93	0.195	1,625	148.81	16.0			
Croplan Genetics6631VT3	143.38	0.195	1,575	144.23	16.0			
DeKalb DKC 64-79VT3	151.57	0.195	1,665	152.47	16.0			
DeKalb DKC 67-23	159.76	0.195	1,755	160.71	16.0			
Dyna-Gro 57V05	144.74	0.195	1,590	145.60	16.0			
Dyna-Gro 58V24	142.47	0.195	1,565	143.32	16.0			
NC+ 5453VT3	149.75	0.195	1,645	150.64	16.0			
NC+ 5436VT3	143.38	0.195	1,575	144.23	16.0			
NK Brand N70-C7	136.55	0.195	1,500	137.36	16.0			
NK N78N-GT/CB/LL	139.28	0.195	1,530	140.11	16.0			
Pioneer 31P42	162.12	0.195	1,780	163.09	16.0			
Pioneer 33N58	160.22	0.195	1,760	161.17	16.0			
Terral TV 25BR71	153.39	0.195	1,685	154.30	16.0			
Terral TV 26TR41	160.22	0.195	1,760	161.17	16.0			

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

\*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
Silt Loam					

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant						Type: <input type="text"/>
--- Sidedress						Number: <input type="text"/>
--- Pretassel						
Total Fertility:	0	0	0	0	0	

Date	Products and Rates Used
Herbicide: <input type="text"/>	<input type="text"/>
Fungicide: <input type="text"/>	<input type="text"/>
Insecticide: <input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	205.21	0.675	8,082	213.81	18.9			
DeKalb DKC 64-79VT3	242.62	0.675	9,182	242.91	15.6			
Dyna-Gro 58V24	234.32	0.675	8,910	235.71	16.0			
NC+ 4251RB	209.22	0.675	7,708	203.92	13.3			
NK N78N-GT/CB/LL	235.59	0.675	9,088	240.42	17.2			
Pioneer 31P42	238.61	0.675	9,084	240.32	16.1			
Terral TV 26BR61	197.07	0.675	7,752	205.08	18.8			

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

\*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
<input type="text" value="Silt Loam"/>	<input type="text" value="5.7"/>	<input type="text" value="84"/>	<input type="text" value="318"/>	<input type="text" value="24"/>	<input type="text" value="9.2"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	<input type="text" value="85"/>	<input type="text" value="40"/>	<input type="text" value="60"/>	<input type="text"/>	<input type="text"/>	Type: <input type="text" value="furrow"/>
--- Sidedress	<input type="text" value="90"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="10"/>	Number: <input type="text" value="9"/>
--- Pretassel	<input type="text" value="45"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total Fertility:	<input type="text" value="220"/>	<input type="text" value="40"/>	<input type="text" value="60"/>	<input type="text" value="0"/>	<input type="text" value="10"/>	

	Date	Products and Rates Used
Herbicide:	<input type="text" value="April 24, 2008"/>	<input type="text" value="2 pints Dual and 2 quarts Atrazine"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1545RY	204.47	0.540	6,176	204.23	15.4	31,000	7	
Belle 1646RY	210.28	0.540	6,374	210.78	15.7	28,000	6	
Croplan Genetics7505VT3	199.18	0.540	6,016	198.94	15.4	32,000	1	
Croplan Genetics6631VT3	218.24	0.540	6,492	214.68	14.1	30,000	8	
DeKalb DKC 64-79VT3	220.54	0.540	6,630	219.25	15.0	33,000	7	
DeKalb DKC 66-23	209.62	0.540	6,354	210.12	15.7	30,000	9	
Dyna-Gro 58V24	210.61	0.540	6,384	211.11	15.7	29,000	3.4	
Dyna-Gro 57V44	202.62	0.540	6,120	202.38	15.4	26,000	5	
NC+ 6361RB	218.87	0.540	6,650	219.91	15.9	28,000	3.5	
NC+ 5403VT3	201.31	0.540	6,102	201.79	15.7	31,000	3	
NK N70-C7	197.37	0.540	6,004	198.54	16.0	25,000	4	
NK N78N-GT/CB/LL	230.22	0.540	7,020	232.14	16.2	31,000	2	
Pioneer 31P42	230.22	0.540	6,970	230.49	15.6	30,000	2	
Pioneer 33N58	221.16	0.540	6,680	220.90	15.4	33,000	4.5	
Terral TV 25BR71	206.77	0.540	6,260	207.01	15.6	29,000	3.4	
Terral TV 26BR61	192.51	0.540	5,870	194.11	16.2	26,000	3	

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

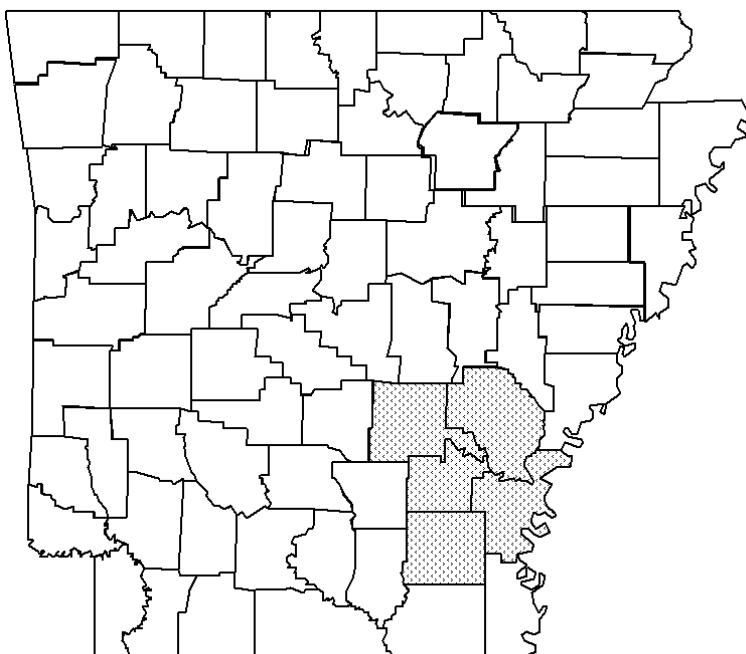
<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# Southeast Corn

The Southeast District had five trials with 14 hybrids planted. The following table shows a summary of the hybrids across this district.

Hybrid	----- bushels per acre -----				
	Arkansas	Desha/Drew	Jefferson Guenther	Jefferson Young	Lincoln
Belle 1646RY	149.39	151.54	82.90	168.00	175.37
Croplan Genetics 6831TS	187.62	161.17	129.00	177.00	---
DeKalb DKC 64-79VT3	---	---	---	169.00	179.33
DeKalb DKC 64-78	---	162.97	---	---	---
DeKalb DKC 63-42	---	---	85.40	---	---
DeKalb DKC 62-99	209.67	---	---	---	---
Dyna-Gro 57V05	---	---	116.71	---	168.96
Dyna-Gro 58V24	198.92	165.25	---	168.00	---
NK N78N-GT/CB/LL	212.71	183.16	---	184.00	184.72
NK N70-C7	---	---	86.60	---	---
Pioneer 31P42	195.87	---	127.81	---	176.74
Pioneer 32B29	---	137.04	---	157.00	---
Terral TV 25BR71	152.92	163.73	117.63	---	180.18
Terral TV 26BR61	---	---	---	165.00	---
<b>Average</b>	<b>186.73</b>	<b>160.69</b>	<b>106.58</b>	<b>169.71</b>	<b>177.55</b>



# University of Arkansas County Hybrid Demonstration



County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:	Soil Type	***** lbs per acre *****				
		pH	P	K	SO4-S	Zn
	<input type="text" value="Silt Loam"/>	<input type="text" value="6.6"/>	<input type="text" value="66"/>	<input type="text" value="234"/>	<input type="text" value="28"/>	<input type="text" value="19.2"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	<input type="text" value="108.4"/>	<input type="text" value="104"/>	<input type="text" value="104"/>	<input type="text" value="24"/>	<input type="text" value="0"/>	Type: <input type="text" value="Furrow"/>
--- Sidedress	<input type="text" value="115"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Number: <input type="text" value="6"/>
--- Pretassel	<input type="text" value="57.5"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
Total Fertility:	<input type="text" value="280.9"/>	<input type="text" value="104"/>	<input type="text" value="104"/>	<input type="text" value="24"/>	<input type="text" value="0"/>	

	Date	Products and Rates Used
Herbicide:	<input type="text" value="May 5, 2008"/>	<input type="text" value="2pts.Glyphosate, 2 qts.Bicep 2 Magnum, 1pt. atrazine"/>
Fungicide:	<input type="text" value="June 17, 2008"/>	<input type="text" value="6 oz. Headline"/>
Insecticide:	<input type="text"/>	<input type="text" value="none"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	149.39	0.424	3,620	152.46	17.2		6	
Croplan Genetics 6831TS	187.62	0.424	4,530	190.79	16.9		6	
DeKalb DKC 62-99	209.67	0.424	5,002	210.66	15.9		1	
Dyna Gro DG 58B24	198.92	0.424	4,740	199.63	15.8		1	
NK N78N-GT	212.71	0.424	5,192	218.67	17.8		1	
Pioneer 31P42	195.87	0.424	4,888	205.86	19.6		1	
Terral TV25BR71	152.92	0.424	3,692	155.49	16.9		7	

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:   
 County Agent:  Grower:   
 Location of Field:

Soil Information:  Soil Type  pH  P  K  SO4-S  Zn   
\*\*\*\*\* lbs per acre \*\*\*\*\*

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Type: <input type="text"/>
--- Sidedress	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Number: <input type="text"/>
--- Pretassel	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total Fertility:	0	0	0	0	0	

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	151.54	0.275	2,301	149.42	14.3			
Croplan Genetics 6831TS	161.17	0.275	2,533	164.48	17.2			
Dekalb DKC64-78	162.97	0.275	2,495	162.01	15.0			
Dyna-Gro 58V24	165.25	0.275	2,524	163.90	14.8			
NK N78N-GT/CB/LL	183.16	0.275	2,814	182.73	15.3			
Pioneer 32B29	137.04	0.275	2,103	136.56	15.2			
Terral TV25BR71	163.73	0.275	2,489	161.62	14.4			

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.  
<sup>2</sup> Plant Stand is given as plants per acre.  
<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:   
 County Agent:  Grower:   
 Location of Field:

Soil Information:

	pH	P	K	SO4-S	Zn

Previous Crop:  Row Width:

Planting Date:  Planting Population:

	N	P	K	S	Zn	
--- Preplant						Irrigation Type: <input type="text"/>
--- Sidedress						
--- Pretassel						Irrigation Number: <input type="text"/>
Total Fertility:	0	0	0	0	0	

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	82.90			80.70	13.2			54.2
Croplan Genetics 6831TS	129.00			125.29	13.0			57.4
DeKalb DKC 63-42	85.40			83.14	13.2			54.2
Dyna-Gro 57V05	116.71			113.88	13.4			55.2
NK N70-C7	86.60			84.31	13.2			54.6
Pioneer 31P42	127.81			125.00	13.6			57.9
Terral TV 25BR71	117.63			115.04	13.6			57.7

**Additional Comments:** County agent reported that field had excessive rain early and later in the season that accounted for poor yield.

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.  
<sup>2</sup> Plant Stand is given as plants per acre.  
<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration



County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:  Soil Type  pH  P  K  SO4-S  Zn

\*\*\*\*\* lbs per acre \*\*\*\*\*

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Type: <input type="text"/>
--- Sidedress	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Number: <input type="text"/>
--- Pretassel	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total Fertility:	0	0	0	0	0	

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	168.00							
Croplan Genetics 6831TS	177.00							
DeKalb DKC 64-79	169.00							
Dyna-Gro 58V24	168.00							
NK N78N-GT/CB/LL	184.00							
Pioneer 32B29	157.00							
Terral TV 26BR61	165.00							

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.  
<sup>2</sup> Plant Stand is given as plants per acre.  
<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

		***** lbs per acre *****				
Soil Information:	Soil Type	pH	P	K	SO4-S	Zn
	Silt Loam	6.5	44	86	7	1.0

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	90	60	90			Type: <input type="text" value="Furrow"/>
--- Sidedress	90					Number: <input type="text" value="8"/>
--- Pretassel	69					
Total Fertility:	249	60	90	0	0	

	Date	Products and Rates Used
Herbicide:	April 15, 2008	RoundUp - 21.33 oz/acre (1gal/6ac)
	May 7, 2008	RoundUp - 21.33 oz/acre (1gal/6ac)
	May 7, 2008	Atrazine - 2 quarts/acre
Fungicide:		
Insecticide:	March 29, 2008	Gaucho - seed treatment

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Belle 1646RY	175.37	0.630	6,264	177.55	16.5	30,000	1	55.8
DeKalb DKC 64-79	179.33	0.610	6,186	181.09	16.3	30,000	1	59.9
Dyna-Gro 57V05	168.96	0.610	5,910	173.01	17.5	30,000	1	57.1
NK N78N-GT/CB/LL	184.72	0.620	6,617	190.58	18.1	30,000	1	58.1
Pioneer 31P42	176.74	0.640	6,408	178.79	16.5	30,000	1	60
Terral TV 25BR71	180.18	0.620	6,386	183.93	17.2	30,000	1	59.7

<sup>1</sup> Yield is adjusted to 15.5% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

## Appendix A.Corn Hybrid Traits

Hybrid	RM	Trait
Belle 1545RY	115	RR2, YGCB
Belle 1646RY	116	RR2, YGCB
Croplan Genetics 6631VT3	113	VT3
Croplan Genetics 6818TS	114	CRW, RR, Bt
Croplan Genetics 6831TS	112	CRW, RR, Bt
Croplan Genetics 7505VT3	115	VT3
DeKalb DKC 62-99	112	RR2, YGCB
DeKalb DKC 63-42	113	VT3
DeKalb DKC 64-78	114	RR2, YGCB
DeKalb DKC 64-79VT3	114	VT3
DeKalb DKC 66-23	116	RR2, YGCB
DeKalb DKC 67-23	117	RR2, YGCB
Dyna-Gro 57V05	115	VT3
Dyna-Gro 57V44	113	VT3
Dyna-Gro 58V24	116	VT3
NC+ 4251RB	107	RR2, YGCB
NC+ 5357VT3	112	VT3
NC+ 5403VT3	113	VT3
NC+ 5436VT3	114	VT3
NC+ 5433RB	114	RR2, YGCB
NC+ 5450R	114	RR2
NC+ 5453VT3	114	VT3
NC+ 6361RB	116	RR2, YGCB
NK N70-C7	112	GT, CB
NK N78N-GT/CB/LL	115	GT, CB, LL
Pioneer 31P42	119	HX1, LL, RR2
Pioneer 32B29	118	RR2, YGCB
Pioneer 33N58	113	HX1, LL, RR2
Terral TV 26TR41	115-117	VT3
Terral TV 26BR41	115-117	RR2, YGCB
Terral TV 26BR61	116-118	RR2, YGCB

Abbreviation	Explanation of Trait
RR2	Roundup Ready Corn 2
YGCB	YieldGard Corn Borer
VT3	YieldGard VT Triple
GT	Glyphosate Tolerant
LL	Liberty Link
CB	Corn Borer
HX1	Herculex
CRW	YieldGard Corn Rootworm
Bt	YieldGard Corn Borer

# **2008 Grain Sorghum Results**

# River Valley Grain Sorghum

The River Valley District had one trial with 6 hybrids planted. The following table shows a summary of the hybrids across this district.

	----- bushels per acre -----
<b>Hybrid</b>	<b>Conway</b>
Asgrow A571	148.30
DeKalb DKS 54-00	141.80
Garst 5464	130.30
Garst 5515	128.80
Terral TV 96H81	126.61
Terral TV 96H91	120.50
<b>Average</b>	<b>132.72</b>



# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

		***** lbs per acre *****				
Soil Information:	Soil Type	pH	P	K	SO4-S	Zn
	Mixed Sandy Loam	6.4	32	214	16	6.8

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	51	60	60	10	0	Type: <input type="text" value="none"/>
--- Sidedress	85					
Total Fertility:	136	60	60	10	0	Number: <input type="text"/>

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	Dual Atrazine
	<input type="text"/>	
Fungicide:	<input type="text"/>	
Insecticide:	<input type="text"/>	

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Asgrow A571	148.30	1.000	8,305	148.30	14.0		2	54
DeKalb DKS 54-00	141.80	1.000	7,941	141.80	14.0		2	53
Garst 5515	130.30	1.000	7,297	130.30	14.0		2	53
Garst 5464	128.80	1.000	7,213	128.80	14.0		2	50
Terral TV 96H81	126.61	1.000	7,090	126.61	14.0		2	53
Terral TV 96H91	120.50	1.000	6,748	120.50	14.0		2	51

<sup>1</sup> Yield is adjusted to 14.0% moisture and reported in bushels per acre.

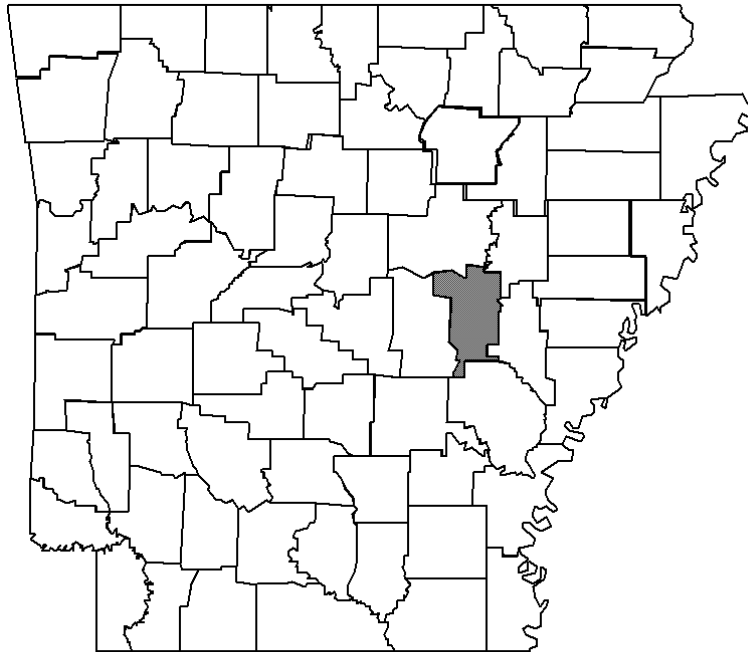
<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# Central Grain Sorghum

The Central District had one trial with 9 hybrids planted. The following table shows a summary of the hybrids across this district.

	----- bushels per acre -----
<b>Hybrid</b>	<b>Prairie</b>
Asgrow A571	110.11
DeKalb DKS 54-00	100.85
Garst 5464	97.41
Garst 5515	122.69
Pioneer 82G10	93.62
Pioneer 84G62	105.07
Terral TV 96H81	106.56
Triumph TR82-G	92.74
Triumph TR459	119.07
<b>Average</b>	<b>105.35</b>



# University of Arkansas County Hybrid Demonstration



County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:  \*\*\*\*\* lbs per acre \*\*\*\*\*

pH	P	K	SO4-S	Zn

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)      N      P      K      S      Zn      Irrigation

--- Preplant  
 --- Sidedress  
 Total Fertility:


Type:

Number:

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Asgrow A571	110.11	1.79	11,154	111.4	15.0			56
DeKalb DKS 54-00	100.85	1.79	10,216	102.02	15.0			56
Garst 5515	122.69	1.79	12,428	124.12	15.0			56
Garst 5464	98.55	1.79	9,868	96.56	15.0			56
Pioneer 82G10	93.62	1.79	9,484	94.72	15.0			56
Pioneer 84G62	105.07	1.79	10,644	106.30	15.0			56
Terral TV 96H81	106.56	1.79	10,794	107.80	15.0			56
Triumph TR82-G	92.74	1.79	9,394	93.82	15.0			56
Triumph TR459	119.07	1.79	12,062	120.47	15.0			56

<sup>1</sup> Yield is adjusted to 14.0% moisture and reported in bushels per acre.

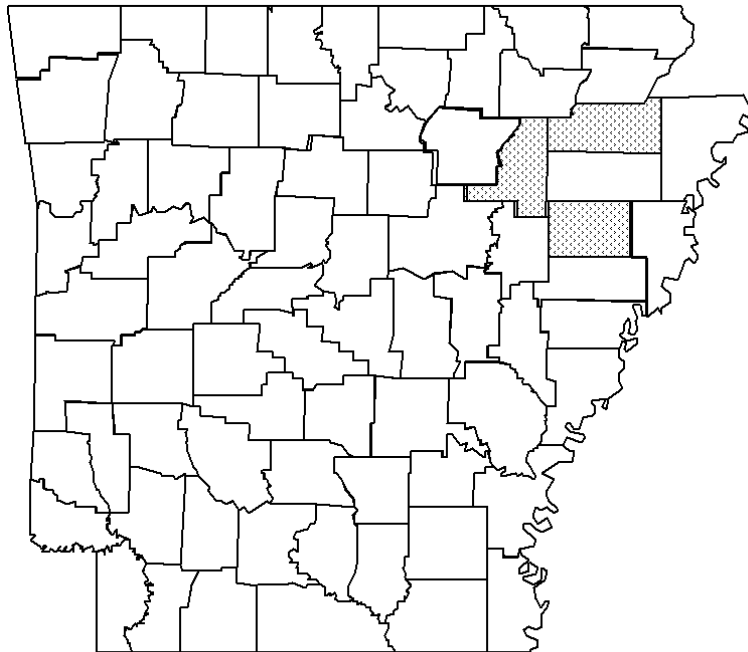
<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# Northeast Grain Sorghum

The Northeast District had three trials with 12 hybrids planted. The following table shows a summary of the hybrids across this district.

Hybrid	----- bushels per acre -----		
	Craighead	Cross	Jackson
Asgrow A571	109.34	117.50	67.44
DeKalb DKS 54-00	125.04	130.49	93.73
Garst 5464	120.08	125.90	79.13
Garst 5515	113.04	107.75	69.04
NC+ 7B51	117.41	120.06	61.87
NC+ 8R18	107.06	---	64.79
Pioneer 82G10	134.15	133.01	107.54
Pioneer 84G62	122.67	125.47	89.75
Terral TV 96H81	114.10	130.83	61.60
Terral TV 96H91	120.42	119.33	71.96
Triumph TR82-G	105.60	135.46	81.25
Triumph TR459	113.90	106.60	66.38
<b>Average</b>	<b>116.90</b>	<b>122.95</b>	<b>76.21</b>



# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

\*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
Convent Fine Sandy Loam	7.0	94	152	26	10.4

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	60	40	60	0	0	Type: <input type="text" value="Furrow"/>
--- Sidedress	95	0	0	0	0	
Total Fertility:	155	40	60	0	0	Number: <input type="text" value="2"/>

	Date	Products and Rates Used
Herbicide:	<input type="text" value="May 3, 2008"/>	<input type="text" value="1.3 qt. Bicept II + 16 oz Atrazine"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Asgrow A571	109.34	0.364	2,216	108.71	13.5	59,000	3	55
DeKalb DKS 54-00	125.04	0.364	2,641	129.56	17.0	68,000	3	55
Garst 5464	120.08	0.364	2,506	122.94	16.0	73,000	7	55
Garst 5515	113.04	0.364	2,334	114.50	15.1	73,000	1	55
NC+ 7B51	117.41	0.364	2,410	118.23	14.6	64,000	2	55
NC+ 8R18	107.06	0.364	2,208	108.32	15.0	87,000	4	56
Pioneer 82G10	134.15	0.364	2,770	135.89	15.1	74,000	1	56
Pioneer 84G62	122.67	0.364	2,530	124.12	15.0	75,000	1	59
Terral TV 96H81	114.10	0.364	2,370	116.27	15.6	55,000	4	55
Terral TV 96H91	120.42	0.364	2,522	123.72	16.3	85,000	6	56
Triumph TR82-G	105.60	0.364	2,150	105.47	13.9	76,000	9.5	60
Triumph TR459	113.90	0.364	2,338	114.70	14.6	60,000	1	58

<sup>1</sup> Yield is adjusted to 14.0% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:  \*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
Calloway Silt Loam					

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	75	39	52			Type: <input type="text" value="Furrow"/>
--- Sidedress	75					
Total Fertility:	150	39	52	0	0	Number: <input type="text" value="6"/>

	Date	Products and Rates Used
Herbicide:	<input type="text" value="May 21, 2008"/>	<input type="text" value="Bicep - 1.6qt/ac."/>
	<input type="text" value="June 11, 2008"/>	<input type="text" value="Paramount .33 lb."/>
	<input type="text" value=""/>	<input type="text" value=""/>
Fungicide:	<input type="text" value="July 15, 2008"/>	<input type="text" value="Quadris-6 oz."/>
Insecticide:	<input type="text" value="7/15/08, 8/04/08"/>	<input type="text" value="Karate- 1.96 oz., Karate - 1.96 oz."/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Asgrow A571	117.50	0.182	1,216	119.44	15.4	80,000		
DeKalb DKS 54-00	130.49	0.169	1,300	137.36	18.3	65,000		
Garst 5464	125.90	0.160	1,186	132.37	18.2	74,000		
Garst 5515	107.75	0.156	966	110.58	16.2	86,000		
NC+ 7B51	120.06	0.149	1,026	123.21	16.2	83,000		
Pioneer 82G10	133.01	0.141	1,074	136.02	15.9	95,000		
Pioneer 84G62	125.47	0.137	982	128.00	15.7	85,000		
Terral TV 96H81	130.83	0.164	1,220	132.84	15.3	102,000		
Terral TV 96H91	119.33	0.153	1,106	129.08	20.5	76,000		
Triumph TR82-G	135.46	0.173	1,350	139.35	16.4	84,000		
Triumph TR459	106.60	0.176	1,110	112.62	18.6	83,000		

<sup>1</sup> Yield is adjusted to 14.0% moisture and reported in bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

\*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
<input type="text" value="Egam Silt Loam"/>	<input type="text" value="5.8"/>	<input type="text" value="206"/>	<input type="text" value="356"/>	<input type="text" value="42"/>	<input type="text" value="31.6"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant						Type: <input type="text" value="None"/>
--- Sidedress	<input type="text" value="104"/>					
Total Fertility:	<input type="text" value="104"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Number: <input type="text"/>

	Date	Products and Rates Used
Herbicide:	<input type="text" value="May 14, 2008"/>	<input type="text" value="Atrazine (1 quart) plus Dual (1.33 pints)"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Asgrow A571	67.44	0.330	1,270	68.72	15.6			
DeKalb DKS 54-00	93.73	0.330	1,765	95.51	15.6			
Garst 5464	79.13	0.330	1,490	80.63	15.6			
Garst 5515	69.04	0.330	1,300	70.35	15.6			
NC+ 7B51	61.87	0.330	1,165	63.04	15.6			
NC+ 8R18	64.79	0.330	1,220	66.02	15.6			
Pioneer 82G10	107.54	0.330	2,025	109.58	15.6			
Pioneer 84G62	89.75	0.330	1,690	91.45	15.6			
Terral TV 96H81	61.60	0.330	1,160	62.77	15.6			
Terral TV 96H91	71.96	0.330	1,355	73.32	15.6			
Triumph TR82-G	81.25	0.330	1,530	82.79	15.6			
Triumph TR459	66.38	0.330	1,250	67.64	15.6			

<sup>1</sup> Yield is adjusted to 14.0% moisture and reported in bushels per acre.

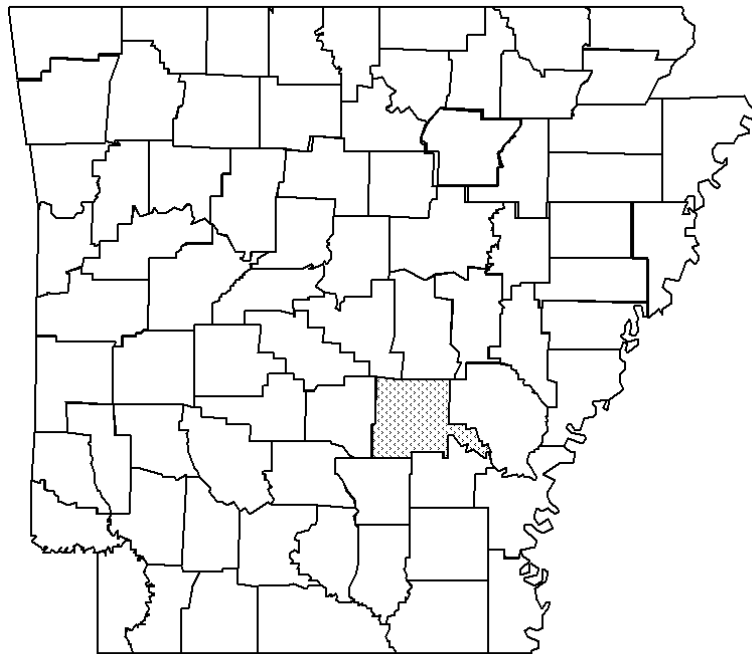
<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# Southeast Grain Sorghum

The Central District had two trials, one non irrigated and one irrigated with 10 hybrids planted. The following table shows a summary of the hybrids across this district.

Hybrid	----- bushels per acre -----	
	Jefferson Non-Irrigated	Jefferson Irrigated
Asgrow A571	47.54	74.30
DeKalb DKS 54-00	69.66	97.47
Garst 5464	55.51	67.74
Garst 5515	46.18	66.95
Pioneer 82G10	69.53	77.48
Pioneer 84G62	57.40	74.21
Terral TV 96H81	46.54	61.07
Terral TV 96H91	84.63	94.83
Triumph TR82-G	84.97	79.56
Triumph TR459	35.27	63.81
<b>Average</b>	<b>59.72</b>	<b>75.74</b>



# University of Arkansas County Hybrid Demonstration

County:  Crop:

County Agent:  Grower:

Location of Field:

Soil Information:  \*\*\*\*\* lbs per acre \*\*\*\*\*

Soil Type	pH	P	K	SO4-S	Zn
Silt loam/Clay					

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant						Type: <input type="text" value="None"/>
--- Sidedress						Number: <input type="text"/>
Total Fertility:	0	0	0	0	0	

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Asgrow A571	47.54	0.504	1,370	48.56	15.8		1	41.3
Dekalb DKS 54-00	69.66	0.504	2,012	71.32	16.0		1	46.1
Garst 5464	55.51	0.504	1,594	56.50	15.5		1	44.7
Garst 5515	46.18	0.504	1,350	47.85	17.0		1	39.9
Pioneer 82G10	69.53	0.504	2,006	71.10	15.9		2	49.6
Pioneer 84G62	57.40	0.504	1,664	58.98	16.3		1	47.5
Terrall TV 96H81	46.54	0.504	1,338	47.43	15.6		1	44.3
Terrall TV 96H91	84.63	0.504	2,382	84.43	13.8		1	49.5
Triumph TR82-G	84.97	0.504	2,466	87.41	16.4		4	50.2
Triumph TR459	35.27	0.504	1,014	35.94	15.6		2	45.6

**Additional Comments:**

<sup>1</sup> Yield is adjusted to 14.0% moisture reported as bushels per acre.

<sup>2</sup> Plant Stand is given as plants per acre.

<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.

# University of Arkansas County Hybrid Demonstration

County Agent:  Grower:

Location of Field:

Soil Information:  \*\*\*\*\* lbs per acre \*\*\*\*\*

pH	P	K	SO4-S	Zn
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Previous Crop:  Row Width:

Planting Date:  Planting Population:

Fertility: (lb/ac)	N	P	K	S	Zn	Irrigation
--- Preplant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Type: <input type="text" value="furrow"/>
--- Sidedress	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Number: <input type="text" value="2"/>
Total Fertility:	0	0	0	0	0	

	Date	Products and Rates Used
Herbicide:	<input type="text"/>	<input type="text"/>
Fungicide:	<input type="text"/>	<input type="text"/>
Insecticide:	<input type="text"/>	<input type="text"/>

Harvest Date:

Hybrid	Adj. Yield <sup>1</sup>	Area	Weight	Yield	% Moisture	Plant Stand <sup>2</sup>	Lodging Score <sup>3</sup>	Test Weight
Asgrow A571	74.30	0.504	2,084	73.87	13.5		1	45.9
Dekalb DKS 54-00	97.47	0.504	2,846	100.88	16.9		1	44.8
Garst 5464	67.74	0.504	1,952	69.19	15.8		2	45.5
Garst 5515	66.95	0.504	1,850	65.57	12.2		1	45
Pioneer 82G10	77.48	0.504	2,230	79.04	15.7		1	48.9
Pioneer 84G62	74.21	0.504	2,084	73.87	13.6		1	48.6
Terrall TV 96H81	61.07	0.504	1,764	62.52	16.0		3	44.1
Terrall TV 96H91	94.83	0.504	2,660	94.28	13.5		1	48.6
Truimph TR82-G	79.56	0.504	2,290	81.17	15.7		2	50.2
Truimph TR459	63.81	0.504	1,792	63.52	13.6		1	47

**Additional Comments:**

<sup>1</sup> Yield is adjusted to 14.0% moisture and reported in bushels per acre.  
<sup>2</sup> Plant Stand is given as plants per acre.  
<sup>3</sup> Lodging score - 1 is no lodging, 10 is completely lodged.