

# 2024 Arkansas Standardized Corn Hybrid Demonstration Trials



**DIVISION OF AGRICULTURE**  
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## 2024 Arkansas Standardized Corn Hybrid Demonstration Trials

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Chicot	Delta	Kurt Beaty	Myers Farms
Clay -East	Delta	Ben Holcomb	Kevin Millikin
Clay -West	Delta	Stewart Runsick	Jacob Price
Drew	Delta	Scott Hayes	Edward Schenk
Faulkner	River Valley	Kevin Lawson	Austin Thrash
Greene	Delta	Lance Blythe and Dave Freeze	Royce and Derek Boling
Jackson	Delta	Matthew Davis	Jackson County Extension Center
Lafayette	SW	Jerri Dew	Hilburn Brothers Farm
Lawrence	Delta	Bryce Baldrige and Courtney Sisk	Jarod Beary
Lee	Delta	Stan Baker	Lon Mann Cotton Research Station
Logan	River Valley	Bob Harper	Mike and Kenny Schluterman
Lonoke	Delta	Trapper Padgett	Steel Fletcher
Poinsett	Delta	Craig Allen and Greg Simpson	Jesse Flye/Marty White
White	Delta	Brian Haller and Katie Douglass	Keith and Jacob Feather
Woodruff	Delta	Jerrod Haynes	Bryan Robertson
Yell	River Valley	Bob Powell and Brandon Yarbery	Blake Manns

## INTRODUCTION

The 2024 growing season was the 17th year for the Arkansas Standardized Corn Hybrid Demonstration Program. The program aims to increase knowledge of selected hybrids being evaluated in the University of Arkansas Corn Hybrid testing program (<https://aaes.uada.edu/variety-testing/>). The trials were collaborative between growers, County Extension agents, Extension specialists, and industry representatives. In the trials, producers followed the standard production practices used on their farms. The cooperation of all producers mentioned in this publication is appreciated. Producers donate time, equipment, and hired labor to make these trials possible.

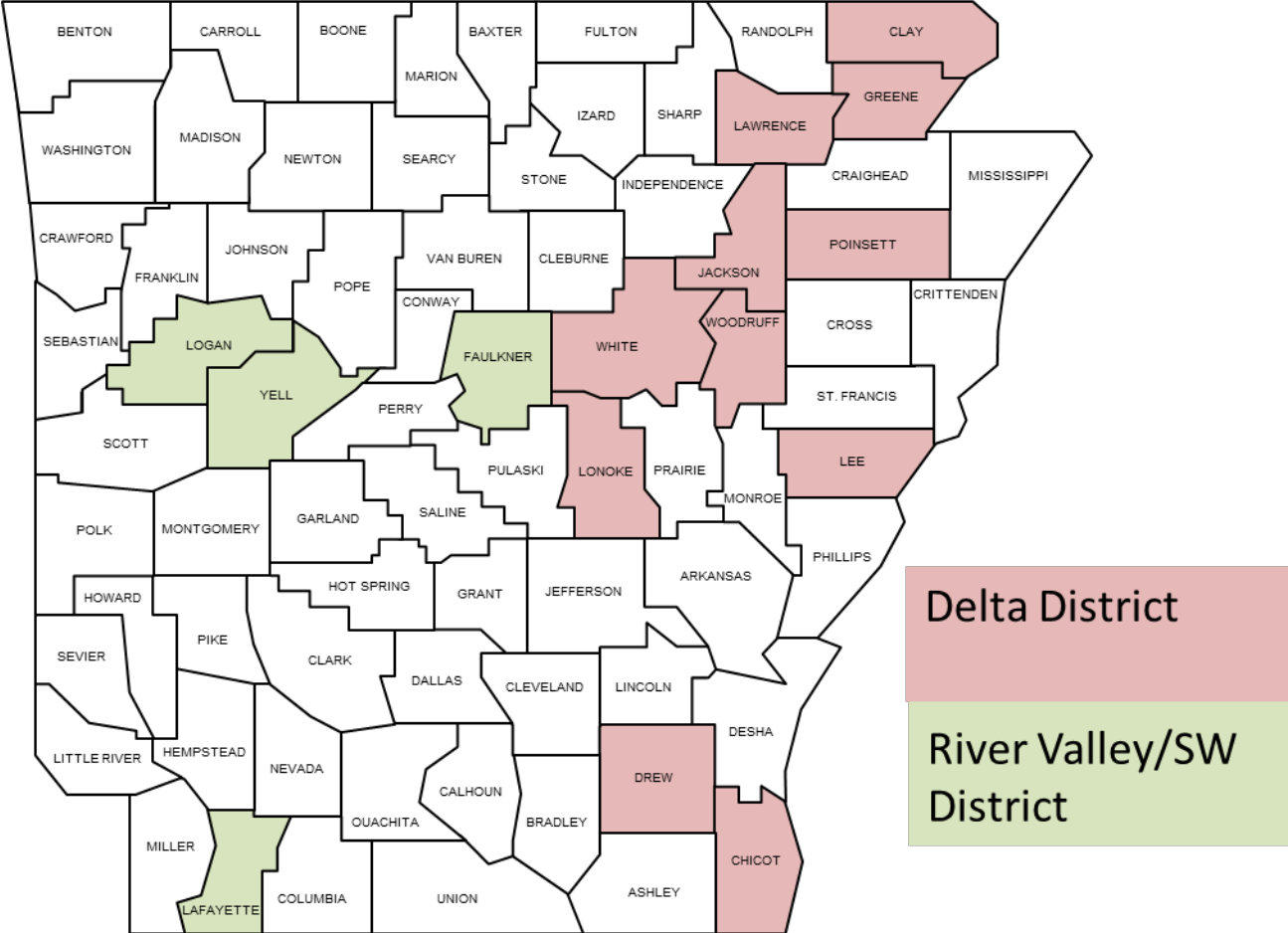
Trials were separated into two districts, and within each district, hybrids entered were consistent. Districts included the Delta and River Valley/Southwest, representing the major corn-producing areas of Arkansas. A map on page 4 shows the counties in each district. Industry representatives and Extension specialists chose hybrids to be entered, and hybrids were required to be commercially available and tested/or are being tested in the University of Arkansas Corn Hybrid testing program. All hybrid trials planted in the Delta district were irrigated, while 2 of 4 trials in the River Valley/SW district were irrigated. All hybrids were glyphosate-tolerant and had at least one Bt trait. The relative maturity of hybrids ranged from 115 to 118 days. A complete list of entered hybrids, relative maturity, and insect traits can be found on page 23. The trials were strip trials and were not replicated (Jackson and Lee County trials were replicated), but multiple locations within a district provide helpful information on yield potential and agronomic considerations. Some counties added hybrids in their trials based on producer requests or local interest; those yields are reported in the individual county trial reports.

Information collected in each trial included soil type, planting date, agronomic production practices utilized by each producer, final plant population, test weight, grain moisture at harvest, plant lodging, and yield. Plots were planted with producer equipment and typically were four to eight rows wide by the length of the field (500-1500 ft). Commercial or handheld grain analysis equipment recorded grain moisture and test weights. Grain yields were adjusted to 15.5% moisture. When lodging occurred, visual ratings were taken by County Extension agents, Extension specialists, and producers. Results from 16 trials are reported, but trials were planted in Ashley, Conway, and Cross County but did not emerge to a sufficient stand or were not reportable.

The authors thank the producers, County Extension Agents, and industry representatives who made these trials possible.

An electronic copy of this publication can be found at the following web address: [www.uaex.uada.edu/corn](http://www.uaex.uada.edu/corn)

# 2024 Corn Hybrid Demonstration Locations



# 2024 County Corn Hybrid Demonstration Program

## Delta District Yield Summary

	-----Delta District Counties-----					
Hybrid	Chicot	Clay- East	Clay - West	Drew	Greene	Jackson
	-----Yield Bu/Acre-----					
Dekalb DKC 66-06	226	244	240	225	256	285
Dekalb DKC 68-35	236	258	216	229	275	262
Dyna-Gro 56TC44	216	263	260	214	241	255
Dyna-Gro 58VC74	203	239	260	210	254	246
Pioneer 1511YHR	219	255	263	200	242	243
Pioneer 17677YHR	214	263	270	206	267	253
Progeny 2118VT2	207	243	240	199	246	220
Progeny 2215TRE	211	235	230	199	245	260
<b>Trial Mean</b>	<b>217</b>	<b>250</b>	<b>247</b>	<b>210</b>	<b>253</b>	<b>253</b>
Row Spacing (in)	30	30	30	30	30	30
Planting Date	April 4	April 5	April 3	April 6	April 9	May 1
Soil Type	Sandy Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
Irrigation Type	Furrow	Furrow	Furrow	Furrow	Furrow	Furrow

	-----Delta District Counties-----						
Hybrid	Lawrence	Lee	Lonoke	Poinsett	White	Woodruff	District Mean
	-----Yield Bu/Acre-----						
Dekalb DKC 66-06	227	204	289	264	271	229	<b>247</b>
Dekalb DKC 68-35	213	209	279	274	278	255	<b>249</b>
Dyna-Gro 56TC44	191	217	284	268	275	248	<b>244</b>
Dyna-Gro 58VC74	218	206	277	248	264	234	<b>238</b>
Pioneer 1511YHR	206	194	271	256	265	216	<b>236</b>
Pioneer 17677YHR	205	200	282	257	262	228	<b>242</b>
Progeny 2118VT2	184	186	281	253	255	231	<b>229</b>
Progeny 2215TRE	210	196	259	254	261	228	<b>232</b>
<b>Trial Mean</b>	<b>207</b>	<b>202</b>	<b>278</b>	<b>259</b>	<b>267</b>	<b>234</b>	<b>240</b>
Row Spacing (in)	30	38	30	38	30	30	---
Planting Date	April 6	May 20	April 16	April 5	April 23	April 8	<b>April 13</b>
Soil Type	Sandy Loam	Silt Loam	Sandy Loam	Silt Loam	Silt Loam	Sandy Loam	---
Irrigation Type	Furrow	Furrow	Furrow	Furrow	Furrow	Pivot	---

# Chicot County

**Grower:** Myers Farms

**County Agent:** Kurt Beaty

**Location of Field:** Lake Village

**GPS:**

**Soil Type:** Sandy Loam

**Previous Crop:** Soybean

**Row Width:** 30 inches

**Planting Population:** 35,000 seeds/acre

**Planting Date:** April 4, 2024

**Harvest Date:** August 19, 2024

**Irrigation Type and Frequency:** Furrow



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>	250	0	0	0	0

**Foliar Fungicide:**

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb DKC 66-06	226	15.5	30,000	1	58.3
Dekalb DKC 68-35	236	15.2	32,000	1	56.2
Dyna-Gro 56TC44	216	15.2	32,000	1	57.5
Dyna-Gro 58VC74	203	15.9	33,000	1	55.4
Pioneer 1511YHR	219	15.9	33,000	1	56.9
Pioneer 17677YHR	214	15.2	31,000	1	56.4
Progeny 2118VT2	207	17.0	29,000	1	55.8
Progeny 2215TRE	211	15.8	31,000	1	57.1
*Dekalb DKC 65-99	191	15.1	31,000	1	56.7
*Pioneer 0953YHR	201	13.7	32,000	1	58.1
<b>Trial Mean</b>	<b>212</b>	<b>15.5</b>	<b>31,400</b>	<b>1</b>	<b>56.8</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Designates cooperators provided comparison hybrids

# Clay County - East

**Grower:** Kevin Millikin

**County Agent:** Ben Holcomb

**Location of Field:** Greenway

**GPS:**

**Soil Type:** Silt Loam

**Previous Crop:** Soybean

**Row Width:** 30 inches

**Planting Population:** 33,300 seeds/acre

**Planting Date:** April 5, 2024

**Harvest Date:**

**Irrigation Type and Frequency:** Furrow irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>					

**Foliar Fungicide:**

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>
Dekalb DKC 66-06	244	16.9	31,500	1
Dekalb DKC 68-35	258	18.1	31,500	1
Dyna-Gro 56TC44	263	16.0	32,000	1
Dyna-Gro 58VC74	239	20.2	27,000	1
Pioneer 1511YHR	255	19.9	30,000	1
Pioneer 17677YHR	263	17.1	29,500	1
Progeny 2118VT2	243	17.1	32,000	1
Progeny 2215TRE	236	21.8	29,500	1
*Axis 65W75	249	18.6	33,000	1
*Axis 69A79	250	17.5	30,500	1
*MorCorn 4412	250	19.1	27,500	1
*MorCorn 4820	264	17.7	32,500	1
<b>Trial Mean</b>	<b>251</b>	<b>18.3</b>	<b>30,542</b>	<b>1</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

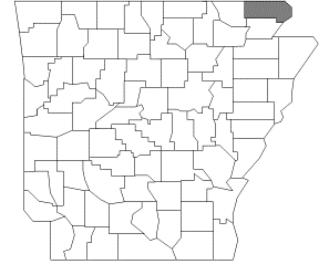
<sup>2</sup> Final Plant Population is given as plants per acre.

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\* Designates cooperators provided comparison hybrids



# Clay County West



**Grower:** Jacob Price

**County Agent:** Stewart Runsick

**Location of Field:** Corning

**GPS:** 36.462307 -90.530694

**Soil Type:** Foley Silt Loam

**Previous Crop:** Soybean

**Row Width:** 30 inches

**Planting Population:** 33,500 seeds/acre

**Planting Date:** April 3, 2024

**Harvest Date:** September 4, 2024

**Irrigation Type and Frequency:** Furrow Irrigated

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	40	80	100		
--- Sidedress	135	0	0	24	1
--- Pretassel	46				
<b>Total Fertility</b>	221	80	100	24	1

## Foliar Fungicide:

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>
Dekalb DKC 66-06	240	14.6	33,500	8
Dekalb DKC 68-35	216	14.7	33,500	8
Dyna-Gro 56TC44	260	14.3	34,000	5
Dyna-Gro 58VC74	260	14.9	32,500	1
Pioneer 1511YHR	263	15.4	31,500	1
Pioneer 17677YHR	271	13.9	33,500	2
Progeny 2118VT2	240	15.4	32,500	8
Progeny 2215TRE	230	14.1	33,500	1
*Axis 65W75	239	13.9	34,000	1
*Axis 69A79	270	14.7	33,000	2
*MorCorn 4390	259	14.7	34,000	5
*MorCorn 4652	275	14.3	34,000	1
<b>Trial Mean</b>	<b>252</b>	<b>14.6</b>	<b>33,292</b>	<b>3.5</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged, Lodging was from a wind storm before harvest

\* Designates cooperator provided comparison hybrids

# Drew County

**Grower:** Edward Schenk

**County Agent:** Scott Hayes

**Location of Field:** Monticello

**GPS:**

**Soil Type:** Silt Loam

**Previous Crop:** Soybean

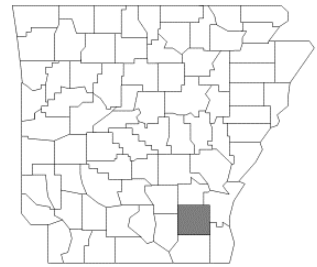
**Row Width:** 30 inches

**Planting Population:** 36,000 seeds/acre

**Planting Date:** April 6, 2024

**Harvest Date:** August 26, 2024

**Irrigation Type and Frequency:** Furrow irrigated, 7x



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>	217	70	140	24	0

**Foliar Fungicide:**

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb DKC 66-06	225	15.4	32,500	1	59.8
Dekalb DKC 68-35	229	15.1	32,500	1	59.7
Dyna-Gro 56TC44	214	14.6	34,500	1	59.6
Dyna-Gro 58VC74	210	15.7	32,500	1	59.8
Pioneer 1511YHR	200	15.4	30,500	1	59.4
Pioneer 17677YHR	206	15.1	31,500	1	59.6
Progeny 2118VT2	199	14.6	31,500	1	60.3
Progeny 2215TRE	199	14.5	33,000	1	60.6
<b>Trial Mean</b>	<b>210</b>	<b>15.1</b>	<b>32,313</b>	<b>1</b>	<b>59.9</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

# Greene County

**Grower:** Derek & Royce Boling

**County Agent:** Lance Blythe, Dave Freeze



**Location of Field:** Paragould

**GPS:**

**Soil Type:** Calhoun Silt Loam

**Previous Crop:** Cotton

**Row Width:** 30 inches

**Planting Population:** 36,000 seeds/acre

**Planting Date:** April 9, 2024

**Harvest Date:** August 22, 2024

**Irrigation Type and Frequency:** Furrow irrigated

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>	265	40	110	24	0

**Foliar Fungicide:** Yes

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb DKC 66-06	256	17.5	36,500	1	57.5
Dekalb DKC 68-35	275	17.3	36,000	1	61.6
Dyna-Gro 56TC44	241	18.8	38,250	1	57.3
Dyna-Gro 58VC74	254	17.6	35,750	1	58.7
Pioneer 1511YHR	242	17.5	34,500	1	60.5
Pioneer 17677YHR	267	17.3	36,250	1	57.8
Progeny 2118VT2	246	17.9	36,250	1	59.8
Progeny 2215TRE	245	17.0	35,750	1	58.3
*AgriGold 647-79	268	17.1	36,000	1	58.6
*AgriGold 647-42	249	19.7	35,750	1	56.9
<b>Trial Mean</b>	<b>254</b>	<b>17.8</b>	<b>36,100</b>	<b>1</b>	<b>58.7</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Designates cooperator provided comparison hybrids

# Jackson County



**Grower:** Jackson County Extension Center

**County Agent:** Matthew Davis

**Location of Field:** Newport

**GPS:**

**Soil Type:** Dexter Silt Loam

**Previous Crop:** Soybean

**Row Width:** 30 inches

**Planting Population:** 34,000 seeds/acre

**Planting Date:** May 1, 2024

**Harvest Date:** September 24, 2024

**Irrigation Type and Frequency:** Furrow irrigated 3 times

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>	240	0	120	24	0

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu	Plant Ht inches
Dekalb DKC 66-06	285	16.0	33,700	2.0	55.2	106
Dekalb DKC 68-35	262	17.0	33,300	2.5	57.4	97
Dyna-Gro 56TC44	255	16.4	33,300	4.5	55.7	102
Dyna-Gro 58VC74	246	16.4	33,300	1.1	55.4	93
Pioneer 1511YHR	243	16.8	32,400	1.5	54.7	99
Pioneer 17677YHR	253	16.6	32,900	1.5	58.4	103
Progeny 2118VT2	220	18.3	33,000	1.4	56.7	97
Progeny 2215TRE	260	17.0	32,500	1.4	57.0	106
*Dekalb DKC 65-99	251	16.7	33,300	1.3	59.0	94
*Pioneer 1718VYHR	263	16.6	33,800	4.5	55.5	105
<b>Trial Mean</b>	<b>254</b>	<b>16.8</b>	<b>33,150</b>	<b>2.2</b>	<b>56.5</b>	<b>100</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture, an average of four replications.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Designates local comparison hybrids

# Lawrence County



**Grower:** Jarod Beary

**County Agent:** Baldrige and Sisk

**Location of Field:** Walnut Ridge

**GPS:**

**Soil Type:** Beulah Sandy Loam

**Previous Crop:** Soybean

**Row Width:** 30 inches

**Planting Population:** 34,000 seeds/acre

**Planting Date:** April 6, 2024

**Harvest Date:** August 21, 2024

**Irrigation Type and Frequency:** Furrow irrigated

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>	233	0	0	25	0

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>
Dekalb DKC 66-06	227	14.6	35,000	1
Dekalb DKC 68-35	213	14.9	32,000	1
Dyna-Gro 56TC44	191	13.8	32,000	3
Dyna-Gro 58VC74	218	15.1	32,000	1
Pioneer 1511YHR	206	15.2	29,000	1
Pioneer 17677YHR	205	14.6	32,000	1
Progeny 2118VT2	184	15.0	27,000	1
Progeny 2215TRE	210	15.2	32,000	1
*AgriGold 6659	201	15.3	32,000	1
<b>Trial Mean</b>	<b>206</b>	<b>14.9</b>	<b>31,400</b>	<b>1.2</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture. -

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Designates cooperator provided comparison hybrid

# Lee County



**Grower:** Lon Mann Cotton Research Station

**County Agent:** Stan Baker

**Location of Field:** Marianna

**GPS:**

**Soil Type:** Memphis Silt Loam

**Previous Crop:** Soybean

**Row Width:** 38 inches

**Planting Population:** 34,000 seeds/acre

**Planting Date:** May 20, 2024

**Harvest Date:** September 23, 2024

**Irrigation Type and Frequency:** Furrow irrigated 5 times

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>	240	70	90	24	10

**Foliar Fungicide:** Yes

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu	Plant Ht inches
Dekalb DKC 66-06	204	18.4	33,000	1	56.2	108
Dekalb DKC 68-35	209	19.8	31,200	1	57.6	103
Dyna-Gro 56TC44	217	19.5	30,100	1	56.6	103
Dyna-Gro 58VC74	206	19.8	31,700	1	57.4	106
Pioneer 1511YHR	194	20.6	29,500	1	56.7	104
Pioneer 17677YHR	200	19.5	30,400	1	56.6	115
Progeny 2118VT2	186	21.3	29,700	1	57.7	100
Progeny 2215TRE	196	19.3	32,300	1	56.5	109
*Dekalb DKC 65-99	198	18.4	31,400	1	55.6	97
*Pioneer 1718VYHR	198	19.0	30,800	1	55.6	117
*Dekalb DKC 70-45	222	21.5	30,600	1	56.8	104
<b>Trial Mean</b>	<b>203</b>	<b>19.7</b>	<b>31,000</b>	<b>1</b>	<b>56.7</b>	<b>106</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture, an average of four replications.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Comparison hybrids

# Lonoke County

**Grower:** Steel Fletcher

**County Agent:** Trapper Padgett

**Location of Field:** Scott

**GPS:**

**Soil Type:** Silt Loam

**Previous Crop:** Soybean

**Row Width:** 30 inches

**Planting Population:** 34,000 seeds/acre

**Planting Date:** April 16, 2024

**Harvest Date:** August 26, 2024

**Irrigation Type and Frequency:** Furrow irrigated 5 times



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>	244	70	90	24	10

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb DKC 66-06	289	13.8	34,800	1	60.0
Dekalb DKC 68-35	279	15.2	34,800	1	60.4
Dyna-Gro 56TC44	284	13.7	33,200	1	59.6
Dyna-Gro 58VC74	277	14.1	35,700	1	60.1
Pioneer 1511YHR	271	14.8	32,200	1	60.7
Pioneer 17677YHR	282	15.2	32,200	1	60.9
Progeny 2118VT2	281	14.6	33,100	1	61.3
Progeny 2215TRE	259	14.7	34,900	1	61.0
*Croplan Gen. 5678	278	14.8	34,900	1	60.9
<b>Trial Mean</b>	<b>278</b>	<b>14.5</b>	<b>34,000</b>	<b>1</b>	<b>60.5</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged

\*Designates cooperator provided comparison hybrid

# Poinsett County

**Grower:** Jesse Flye/Marty White

**County Agent:** Craig Allen & Greg Simpson



**Location of Field:** Judd Hill

**GPS:**

**Soil Type:** Sandy Loam

**Previous Crop:** Cotton

**Row Width:** 38 inches

**Planting Population:** 34,000 seeds/acre

**Planting Date:** April 5, 2024

**Harvest Date:** August 21, 2024

**Irrigation Type and Frequency:** Furrow irrigated

<b>Fertility (lb/ac)</b>	<b>N</b>	<b>P</b>	<b>K</b>	<b>S</b>	<b>Zn</b>
--- Preplant	70	40	90	20	1
--- Sidedress	156			20	
--- Pretassel	46				
<b>Total Fertility</b>	<b>272</b>	<b>40</b>	<b>90</b>	<b>40</b>	<b>1</b>

**Foliar Fungicide:** Yes

<b>Hybrid</b>	<b>Adjusted Yield bu/ac <sup>1</sup></b>	<b>Harvest Moisture %</b>	<b>Final Plant Population<sup>2</sup></b>	<b>Lodging Score 1-9 <sup>3</sup></b>
Dekalb DKC 66-06	264	19.1	34,644	1
Dekalb DKC 68-35	274	20.0	34,644	1
Dyna-Gro 56TC44	268	18.7	34,644	2
Dyna-Gro 58VC74	248	19.1	30,400	1
Pioneer 1511YHR	256	20.0	34,644	1
Pioneer 17677YHR	257	19.7	34,644	2
Progeny 2118VT2	254	20.2	34,664	1
Progeny 2215TRE	253	21.4	34,644	1
<b>Trial Mean</b>	<b>259</b>	<b>19.8</b>	<b>34,116</b>	<b>1.3</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.



# White County

**Grower:** Keith and Jacob Feather

**County Agent:** Brian Haller and  
Katie Douglass



**Location of Field:** Griffithville

**GPS:**

**Soil Type:** Silt Loam

**Previous Crop:** Soybean

**Row Width:** 30 inches

**Planting Population:** 34,000 seeds/acre

**Planting Date:** April 23, 2024

**Harvest Date:** August 26, 2024

**Irrigation Type and Frequency:** Furrow irrigated 5 times

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	51	0	120	29	8
--- Sidedress	90	0	0	15	0
--- Pretassel	90	0	0	15	0
<b>Total Fertility</b>	231	0	120	59	8

**Foliar Fungicide:** Yes

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb DKC 66-06	271	14.3	34,000	1	60.5
Dekalb DKC 68-35	278	15.4	33,500	1	59.0
Dyna-Gro 56TC44	275	14.3	33,000	1	59.4
Dyna-Gro 58VC74	264	14.5	32,000	1	59.5
Pioneer 1511YHR	265	14.6	32,500	1	59.4
Pioneer 17677YHR	262	14.3	32,500	1	59.3
Progeny 2118VT2	255	16.0	34,500	1	60.5
Progeny 2215TRE	261	14.5	34,000	1	59.6
<b>Trial Mean</b>	<b>267</b>	<b>14.7</b>	<b>33,250</b>	<b>1</b>	<b>59.7</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Visual Lodging Score, 1 is no lodging, 9 is nearly completely lodged

# Woodruff County

**Grower:** Bryan Robertson

**County Agent:** Jerrod Haynes

**Location of Field:** Gregory

**GPS:** N 35.201816, -91.341548

**Soil Type:** Sandy Loam

**Previous Crop:** Corn

**Row Width:** 30 inches

**Planting Population:** 30,500 seeds/acre

**Planting Date:** April 8, 2024

**Harvest Date:** August 21, 2024

**Irrigation Type and Frequency:** Pivot irrigated, 6X



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	50	50	120	12	2
--- Sidedress	136			24	
--- Pretassel	46				
<b>Total Fertility</b>	236	50	120	36	2

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb DKC 66-06	229	14.4	31,000	2	60.5
Dekalb DKC 68-35	255	14.9	30,000	1	63.6
Dyna-Gro 56TC44	247	14.4	30,000	1	60.0
Dyna-Gro 58VC74	234	15.3	32,000	1	61.9
Pioneer 1511YHR	216	15.6	30,000	1	57.3
Pioneer 17677YHR	228	14.9	32,000	1	61.2
Progeny 2118VT2	231	15.9	31,000	2	63.1
Progeny 2215TRE	228	14.8	30,000	1	61.9
*Dekalb DKC 68-35	249	14.8	30,000	1	63.8
*Dekalb DKC 66-06	231	14.1	31,000	2	61.8
<b>Trial Mean</b>	<b>235</b>	<b>14.9</b>	<b>30,700</b>	<b>1.3</b>	<b>61.5</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Duplicate hybrid entries were included for comparisons

# 2024 County Corn Hybrid Demonstration Program

## River Valley/Southwest District Yield Summary

	-----River Valley/Southwest District Counties-----				
Hybrid	Faulkner	Lafayette	Logan	Yell	District Mean
	-----Yield Bu/Acre-----				
Dekalb DKC 66-06	158	136	132	155	<b>145</b>
Dekalb DKC 68-35	167	144	144	163	<b>155</b>
Dyna-Gro 56TC44	167	137	129	170	<b>151</b>
Dyna-Gro 58VC74	152	134	136	153	<b>144</b>
Pioneer 1511YHR	145	141	106	177	<b>142</b>
Pioneer 17677YHR	173	132	128	158	<b>148</b>
Progeny 2118VT2	177	133	133	155	<b>150</b>
Progeny 2215TRE	151	144	127	134	<b>139</b>
<b>Trial Mean</b>	<b>161</b>	<b>138</b>	<b>129</b>	<b>158</b>	<b>147</b>
Row Spacing (inches)	30	30	38	30	---
Planting Date	April 13	April 7	March 22	April 16	<b>April 6</b>
Soil Type	Silty Clay	Silt Loam	Silty Clay	Silt Loam	---
Irrigation Type	Pivot	Non-Irrigated	Non-Irrigated	Furrow	---

# Faulkner County

**Grower:** Austin Thrash

**County Agent:** Kevin Lawson

**Location of Field:** Lollie

**GPS:**

**Soil Type:** Moreland Silty Clay

**Previous Crop:** Corn

**Row Width:** 30 inches

**Planting Population:** 35,000 seeds/acre

**Planting Date:** April 13, 2024

**Harvest Date:** September 11, 2024

**Irrigation Type and Frequency:** Center Pivot, 3 times



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	44	60	60	24	
--- Sidedress	115				
--- Pretassel	46				
<b>Total Fertility</b>	<b>205</b>	<b>60</b>	<b>60</b>	<b>24</b>	<b>0</b>

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
DeKalb DKC66-06	158	12.5	35,000	1	60.6
DeKalb DKC68-35	167	12.0	36,000	1	61.2
DynaGro D56TC44	167	12.4	36,000	1	60.1
DynaGro D58VC74	152	12.2	34,500	1	61.6
Pioneer P1511YHR	144	11.9	35,500	1	62.4
Pioneer P17677YHR	173	12.1	36,500	1	61.4
Progeny PGY 2118VT2P*	177	12.5	35,500	1	63.2
Progeny PGY 2215TRE	151	12.1	35,000	1	60.9
*Gateway 2716VT2PRO	162	12.5	35,500	1	59.7
*Gateway 3919TRE	208	12.8	36,000	1	60.5
*Revere 1307TC	159	12.0	35,000	1	58.6
*Revere 1839TC	193	12.5	35,000	1	60.5
<b>Trial Mean</b>	<b>168</b>	<b>12.3</b>	<b>35,458</b>	<b>1</b>	<b>60.9</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Designates cooperator provided comparison hybrid

# Lafayette County

**Grower:** Hilburn Brothers Farms

**County Agent:** Jerri Dew

**Location of Field:** Spirit Lake

**GPS:**

**Soil Type:** Severn Silt Loam

**Previous Crop:** Corn

**Row Width:** 30 inches

**Planting Population:** 32,000 seeds/acre

**Planting Date:** April 7, 2024

**Harvest Date:** September 4, 2024

**Irrigation Type and Frequency:** Non-Irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
<b>Total Fertility</b>					

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
DeKalb DKC 66-06	136	13.8	1	57.3
DeKalb DKC 68-35	144	13.9	1	58.2
Dyna-Gro D56TC44	137	13.8	1	58.4
Dyna-Gro D58TC44	134	13.8	1	58.4
Pioneer P1511YHR	141	13.8	1	58.0
Pioneer P17677YHR	132	13.7	1	58.1
Progeny PGY2118VT2P	133	14.0	1	59.6
Progeny PGY2215TRE	144	13.7	1	59.9
*Croplan CP5335VT2P	137	14.1	1	59.2
*DeKalb DKC 68-95	118	14.2	1	58.6
<b>Trial Mean</b>	<b>136</b>	<b>13.9</b>	<b>1</b>	<b>58.6</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Designates cooperator provided comparison hybrids

# Logan County



**Grower:** Mike and Kenny Schluterman

**County Agent:** Bob Harper

**Location of Field:** Paris

**GPS:**

**Soil Type:** Roellen Silty Clay

**Previous Crop:** Soybean

**Row Width:** 38 inches

**Planting Population:** 32,000 seeds/acre

**Planting Date:** March 22, 2024

**Harvest Date:** August 28, 2024

**Irrigation Type and Frequency:** Non-Irrigated

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	100				
--- Sidedress	100				
--- Pretassel					
<b>Total Fertility</b>	200	0	0	0	0

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb 66-06	132	13.1	29,000	2	55.1
Dekalb 68-35	144	12.9	30,000	1	56.0
Dyna-Gro 56TC44	129	12.7	31,000	6	56.7
Dyna-Gro 58VC74	135	13.2	28,000	1	56.6
Pioneer 1511YHR	106	12.6	28,000	1	56.2
Pioneer 17677YHR	128	12.7	29,000	4	56.6
Progeny 2118 VT2P	133	12.8	29,000	2	57.0
Progeny 2215 TRE	127	12.7	30,000	2	55.6
*Dekalb 64-22	144	12.7	30,000	2	57.3
*Dekalb 67-44	143	12.6	30,000	5	56.7
<b>Trial Mean</b>	<b>132</b>	<b>12.8</b>	<b>29,400</b>	<b>2.6</b>	<b>56.4</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

\*Designates cooperator provided comparison hybrids

# Yell County

**Grower:** Blake Manns

**County Agent:** Powell/Yarbery

**Location of Field:** Dardanelle Bottoms

**GPS:**

**Soil Type:** Dardanelle Silt Loam

**Previous Crop:** Corn

**Row Width:** 30 inches

**Planting Population:** 32,000 seeds/acre

**Planting Date:** April 16, 2024

**Harvest Date:** September 6, 2024

**Irrigation Type and Frequency:** Furrow irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	120	120	120		
--- Sidedress	100				
--- Pretassel	70				
<b>Total Fertility</b>	290	120	120	0	0

**Foliar Fungicide:** No

Hybrid	Adjusted Yield bu/ac <sup>1</sup>	Harvest Moisture %	Final Plant Population <sup>2</sup>	Lodging Score 1-9 <sup>3</sup>	Test Wt lb/bu
Dekalb DKC 66-06	153	14.0	31,000	1	61.7
Dekalb DKC 68-35	155	12.6	30,000	1	64.0
Dyna-Gro 56TC44	163	12.8	29,000	1	61.3
Dyna-Gro 58VC74	170	13.1	29,000	1	60.3
Pioneer 1511YHR	177	13.7	32,000	1	59.6
Pioneer 17677YHR	158	12.7	30,000	1	60.8
Progeny 2118VT2	155	14.0	33,000	1	62.2
Progeny 2215TRE	134	13.8	28,000	1	60.1
<b>Trial Mean</b>	<b>158</b>	<b>13.3</b>	<b>30,000</b>	<b>1</b>	<b>61.3</b>

<sup>1</sup> Yield is adjusted to 15.5% moisture.

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

<sup>3</sup> Lodging Score – 1 is no lodging, 9 is completely lodged.

## Appendix A. Corn Hybrid Relative Maturity and Insect Traits

Hybrid	Relative Maturity	Insect Trait
DeKalb DKC 66-06	116	Tricepta
DeKalb DKC 68-35	118	VT Double Pro
Dyna-Gro 56TC44	116	Tricepta
Dyna-Gro 58VC74	118	VT Double Pro
Pioneer 1511YHR	115	Optimum Intrasect
Pioneer 17677 YHR	117	Optimum Intrasect
Progeny 2118VT2	118	VT Double Pro
Progeny 2215TRE	115	Tricepta

### 2024 Arkansas Standardized Corn Hybrid Demonstration Trials Participants

#### **DeKalb**

Bayer Crop Science  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

#### **Pioneer**

Corteva Agriscience  
7250 NW 62<sup>nd</sup> Ave  
Johnston, IA 50131

#### **Dyna-Gro**

Nutrien Ag Solutions  
3005 Rocky Mountain Drive  
Loveland, CO 80538

#### **Progeny**

Progeny Ag Products  
1529 Highway 193  
Wynne, AR 72396