

2023 Arkansas Standardized Corn Hybrid Demonstration Trials



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2023 Arkansas Standardized Corn Hybrid Demonstration Trials

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County	District	County Agent	Cooperator
Ashley	Delta	Kevin Norton	Scott Young
Chicot	Delta	Kurt Beaty	Scott Borgogaoni
Clay -East	Delta	Stewart Runsick	Luke Hollis
Clay -West	Delta	Stewart Runsick	Jacob Price
Conway	River Valley	Kevin Van Pelt	3 Brothers Farm LLC
Cross	Delta	Jenna Martin	Tim and Adam Fisher
Desha	Delta	---	Southeast Research and Ext Ctr
Drew	Delta	Scott Hayes	Seth Tucker
Greene	Delta	Lance Blythe and Dave Freeze	Derek and Royce Boling
Jackson	Delta	Matthew Davis	Jackson County Extension Center
Lawrence	Delta	Bryce Baldrige, Courtney Sisk	Roger Tinsley
Lee	Delta	Stan Baker	Lon Mann Cotton Research Station
Poinsett	Delta	Craig Allen & Jeffery Works	Jesse Fly/Marty White
Prairie	Delta	Andrew Sayger	Tony Richards
St. Francis	Delta	Jenna Martin/Stan Baker	Chris Roberts
White	Delta	Jerrod Haynes	Feather Farms
Woodruff	Delta	Jacob Holloway	Bryan Robertson
Yell	River Valley	Bob Powell/Brandon Yarbery	Blake Mans

INTRODUCTION

The 2023 growing season was the 16th year for the Arkansas Standardized Corn Hybrid Demonstration Program. The program's goal is to increase knowledge of selected hybrids that are being evaluated in the University of Arkansas Corn Hybrid testing program (<https://aaes.uada.edu/variety-testing/>). The trials were a collaborative effort between growers, County Extension agents, Extension specialists, and industry representatives. In the trials, producers followed the normal 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.

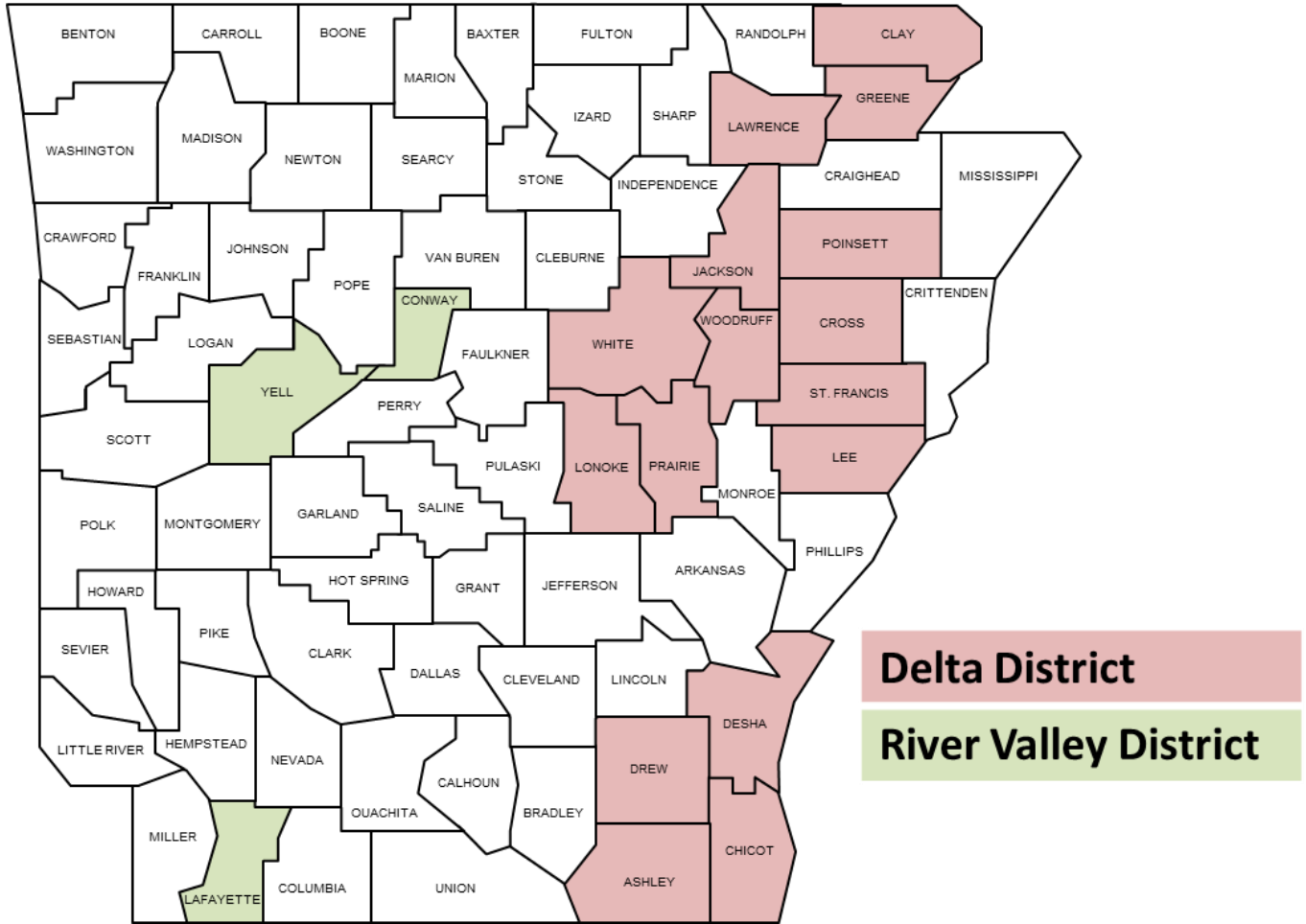
Trials were separated into two districts, and within each district, hybrids entered were consistent. Districts included the Delta and River Valley/Southwest, representing the major corn-producing areas of Arkansas. A map on page 5 shows the counties in each district. Industry representatives and Extension specialists choose hybrids to be entered, and hybrids were required to be commercially available and have been tested/or are being tested in the University of Arkansas Corn Hybrid testing program. All hybrid trials were planted with the intention of being irrigated, and all hybrids were glyphosate-tolerant and had at least one Bt trait. The relative maturity of hybrids entered ranged from 115 to 118 days. A full list of hybrids entered, along with relative maturity and insect traits can be found on page 31. Trials were strip trials and were not replicated, but multiple locations within a district do provide useful information on yield potential and agronomic considerations.

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). Grain moisture and test weights were recorded by commercial or handheld grain analysis equipment. Grain yields were adjusted to 15.5% moisture. When lodging occurred, visual ratings were taken by County Extension agents, Extension specialists, and/or producers. Due to good planting conditions, 22 trials were able to be planted. However, results from Lonoke and Lafayette counties are not reported due to variability of results or heavy mid-season wind damage.

The authors would like to express their gratitude to the producers, County 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

2023 Corn Hybrid Demonstration Locations



2023 County Corn Hybrid Demonstration Program

Delta District Yield Summary

	-----Delta District Counties-----								
Hybrid	Ashley	Chicot	Clay-East	Clay-West	Cross	Desha	Drew	Greene	Jackson
	-----Yield Bu/Acre-----								
Dekalb DKC 66-06	216	177	269	221	234	192	189	265	244
Dekalb DKC 68-35	233	175	257	252	251	184	168	264	253
Dyna-Gro 57VC53	189	165	242	208	218	168	182	267	206
Dyna-Gro 57TC29	216	160	252	263	243	194	169	265	243
Pioneer 1511YHR	185	168	257	222	217	178	165	253	226
Pioneer 1718VYHR	216	142	260	187	246	181	175	267	226
Progeny 2118VT2	201	153	251	204	210	167	173	268	208
Progeny 2215TRE	208	155	244	221	225	187	143	233	228
Trial Mean	208	162	254	222	231	181	171	260	229
Row Spacing (in)	38	38	38	30	30	38	38	30	30
Planting Date	April 15	Mar. 30	April 10	April 13	April 19	April 12	Mar. 30	April 3	April 17
Soil Type	Silt Loam	Sandy Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Sandy Loam

	-----Delta District Counties-----								
Hybrid	Lawrence	Lee	Prairie	Poinsett	St. Francis	White	Woodruff	District Mean	
	-----Yield Bu/Acre-----								
Dekalb DKC 66-06	207	221	167	233	167	245	221	217	
Dekalb DKC 68-35	216	225	211	251	176	269	246	227	
Dyna-Gro 57VC53	190	221	187	224	156	244	229	206	
Dyna-Gro 57TC29	209	223	173	194	172	257	214	215	
Pioneer 1511YHR	189	222	169	226	147	240	205	204	
Pioneer 1718VYHR	175	216	147	190	154	267	218	204	
Progeny 2118VT2	191	220	187	204	158	238	227	204	
Progeny 2215TRE	172	222	167	208	161	242	182	200	
Trial Mean	194	221	176	216	161	250	218	210	
Row Spacing (in)	30	38	30	38	30	30	30	--	
Planting Date	April 13	April 14	April 14	April 12	May 3	April 19	April 14	April 13	
Soil Type	Sandy Loam	Silt Loam	Silt Loam	Silt Loam	Clay	Silt Loam	Silt Loam	--	

Ashley County

Grower: Scott Young

County Agent: Kevin Norton

Location of Field: Mist

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

Row Width: 38 inches, twin-row

Planting Population: 36,000 seeds/acre

Planting Date: April 15, 2023

Harvest Date: August 26, 2023

Irrigation Type and Frequency: Furrow, 5X



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	30	-	-	10	3
--- Sidedress	220	90	120	-	-
--- Pretassel	30	-	-	-	-
Total Fertility	280	100	120	24	5

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	216	15.2	36,000	1	59.1
Dekalb DKC 68-35	233	13.9	36,000	1	59.4
Dyna-Gro 57VC53	189	15.8	35,000	1	60.8
Dyna-Gro 57TC29	216	15.4	36,000	1	58.5
Pioneer 1511YHR	185	15.5	36,000	1	58.6
Pioneer 1718VYHR	216	14.8	36,000	1	57.9
Progeny 2118VT2	201	15.7	34,000	1	61.3
Progeny 2215TRE	208	14.2	32,500	1	58.7
Trial Mean	208	15.1	35,200	1	59.3

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Chicot County

Grower: Scott Borgogaoni

County Agent: Kurt Beaty

Location of Field: Lake Village

GPS:

Soil Type: Sandy Loam

Previous Crop: Soybean

Row Width: 38 inches

Planting Population: 35,000 seeds/acre

Planting Date: March 30, 2023

Harvest Date: August 30, 2023

Irrigation Type and Frequency: Furrow



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

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	Plant Ht Inches
Dekalb DKC 66-06	177	13.2	30,000	1	58.3	96
Dekalb DKC 68-35	175	12.8	28,000	1	56.2	90
Dyna-Gro 57VC53	165	12.5	29,000	5	57.5	90
Dyna-Gro 57TC29	160	12.7	26,000	5	55.4	101
Pioneer 1511YHR	168	12.8	25,000	1	56.9	90
Pioneer 1718VYHR	142	13.0	25,000	5	56.4	102
Progeny 2118VT2	153	13.6	26,000	1	55.8	90
Progeny 2215TRE	155	12.8	23,000	1	57.1	94
Trial Mean	162	13.0	26,500	2.5	56.7	94

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Clay County - East

Grower: Luke Hollis

County Agent: Stewart Runsick

Location of Field: Greenway

GPS: 36.3322, -90.2211

Soil Type: Falaya Silt Loam

Previous Crop: Cotton

Row Width: 38 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 13, 2023

Harvest Date: September 28, 2023

Irrigation Type and Frequency: Furrow irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	42	40	60	-	-
--- Sidedress	162	-	-	20	1
--- Pretassel	46	-	-	-	-
Total Fertility	250	40	60	20	1

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	269	14.6	35,000	1	59.3
Dekalb DKC 68-35	257	14.2	30,000	1	61.1
Dyna-Gro 57VC53	242	14.9	36,000	1	59.4
Dyna-Gro 57TC29	252	14.1	37,000	1	61.0
Pioneer 1511YHR	257	14.4	34,000	1	59.4
Pioneer 1718VYHR	260	13.8	35,000	3	59.5
Progeny 2118VT2	251	14.0	31,000	1	61.3
Progeny 2215TRE	244	14.1	33,000	1	60.4
Trial Mean	254	14.3	33,900	1.3	60.2

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Clay County West

Grower: Jacob Price

County Agent: Stewart Runsick

Location of Field: Corning

GPS: 36.457398, -90.597413

Soil Type: Foley Silt Loam

Previous Crop: Soybean

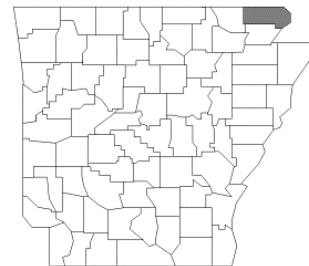
Row Width: 30 inches

Planting Population: 32,000 seeds/acre

Planting Date: April 10, 2023

Harvest Date: October 4, 2023

Irrigation Type and Frequency: Furrow Irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	45	80	100	20	2
--- Sidedress	156	0	0	22	0
--- Pretassel	45	-	-	-	-
Total Fertility	250	80	100	42	2

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	221	13.4	32,000	1	--
Dekalb DKC 68-35	252	13.7	33,000	1	--
Dyna-Gro 57VC53	208	13.9	32,000	1	--
Dyna-Gro 57TC29	263	12.9	33,000	1	--
Pioneer 1511YHR	222	13.3	33,000	1	--
Pioneer 1718VYHR	187	12.3	31,000	4	--
Progeny 2118VT2	204	13.7	32,000	1	--
Progeny 2215TRE	221	13.4	31,000	3	--
Trial Mean	222	13.3	32,100	1.6	--

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Cross County

Grower: Tim and Adam Fisher

County Agent: Jenna Martin

Location of Field: Wynne

GPS: 35.216030, -90.780699

Soil Type: Arkbutla Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 35,000 seeds/acre

Planting Date: April 19, 2023

Harvest Date: September 8, 2023



Irrigation Type and Frequency: Furrow irrigated

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

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	234	16.1	32,000	1	57.8
Dekalb DKC 68-35	251	15.2	32,000	1	62.7
Dyna-Gro 57VC53	218	16.7	31,000	1	61.4
Dyna-Gro 57TC29	243	17.6	31,000	1.5	55.7
Pioneer 1511YHR	217	17.2	28,000	1	56.4
Pioneer 1718VYHR	246	16.9	28,000	1	57.2
Progeny 2118VT2	210	16.7	31,000	1	58.5
Progeny 2215TRE	225	16.8	30,000	1	56.0
Trial Mean	231	16.7	30,400	1	58.2

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Desha County

Grower: Southeast Research and Extension Center

Location of Field: Kelso, AR

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

Row Width: 38 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 12, 2023

Harvest Date: September 11, 2023

Irrigation Type and Frequency: Furrow irrigated 5 times



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
Total Fertility	220	70	72	5	10

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test wt lb/bu	Plant Ht Inches	Seeds/bu @ 15.5%
Dekalb DKC 66-06	192	14.9	32,000	1	59.6	100	76,856
Dekalb DKC 68-35	184	14.7	33,000	1	59.7	96	69,769
Dyna-Gro 57VC53	168	17.0	33,000	1	61.5	100	71,657
Dyna-Gro 57TC29	194	14.5	33,000	1	58.5	104	67,617
Pioneer 1511YHR	178	15.9	32,000	1	59.8	108	74,426
Pioneer 1718VYHR	181	15.5	33,000	1	60.4	112	76,394
Progeny 2118VT2	167	17.3	33,000	1	61.2	103	75,486
Progeny 2215TRE	187	14.0	32,000	1	59.9	107	74,513
Trial Mean	181	15.5	32,600	1	60.1	104	73,340

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Drew County

Grower: Seth Tucker

County Agent: Scott Hayes

Location of Field: Tillar

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

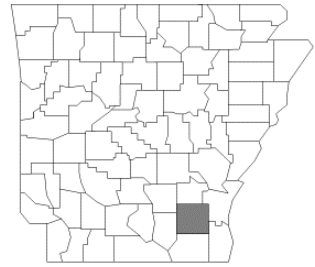
Row Width: 38 inches

Planting Population: 32,000 seeds/acre

Planting Date: March 30, 2023

Harvest Date: August 31, 2023

Irrigation Type and Frequency: Furrow irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	37	35	69	0	5
--- Sidedress	131	0	30	24	0
--- Pretassel	46	0	0	0	0
Total Fertility	214	35	99	24	5

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	Plant Ht Inches
Dekalb DKC 66-06	189	13.7	25,400	1	60.5	116
Dekalb DKC 68-35	168	14.2	27,125	1	60.2	114
Dyna-Gro 57VC53	182	14.0	28,125	1	61.1	114
Dyna-Gro 57TC29	169	13.3	25,875	1	57.7	124
Pioneer 1511YHR	165	13.8	26,750	1	58.8	108
Pioneer 1718VYHR	175	13.7	31,500	1	59.8	132
Progeny 2118VT2	173	14.3	25,625	1	61.3	114
Progeny 2215TRE	143	13.5	23,875	1	59.3	120
Trial Mean	171	13.8	26,800	1.0	59.8	118

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 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 3, 2023

Harvest Date: September 1, 2023

Irrigation Type and Frequency: Pivot irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
Total Fertility	267	46	119	24	0

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	265	18.5	35,000	2	61.8
Dekalb DKC 68-35	264	17.2	35,000	1	61.9
Dyna-Gro 57VC53	267	18.6	35,000	2	62.9
Dyna-Gro 57TC29	265	19.0	35,000	1	62.0
Pioneer 1511YHR	253	18.9	34,000	1	61.5
Pioneer 1718VYHR	267	19.5	36,000	1	61.0
Progeny 2118VT2	268	18.1	35,000	1	63.7
Progeny 2215TRE	233	17.2	34,000	1	63.4
Trial Mean	260	18.4	34,900	1.3	62.3

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Jackson County

Grower: Jackson County Extension Center

County Agent: Matthew Davis

Location of Field: Newport

GPS:

Soil Type: Sandy Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 17, 2023

Harvest Date: September 26, 2023

Irrigation Type and Frequency: Furrow irrigated 3 times



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
Total Fertility	240	0	90	24	0

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	Plant Ht inches	Seeds/bu @ 15.5%
Dekalb DKC 66-06	244	11.9	32,500	1	58.7	120	69,162
Dekalb DKC 68-35	253	12.2	31,000	2	58.9	116	59,780
Dyna-Gro 57VC53	206	12.6	31,000	1	60.7	115	66,790
Dyna-Gro 57TC29	243	12.1	32,000	1	58.5	120	61,401
Pioneer 1511YHR	226	12.3	32,000	1	58.9	116	67,346
Pioneer 1718VYHR	226	12.5	32,000	2	57.9	128	72,496
Progeny 2118VT2	208	12.5	31,500	1	60.6	114	66,865
Progeny 2215TRE	228	12.3	32,000	1	58.3	120	62,708
Trial Mean	229	12.3	31,750	1.3	59.1	119	65,819

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Lawrence County

Grower: Roger Tinsley

County Agent: Baldrige and Sisk

Location of Field: Clover Bend

GPS: 36.594238 90, -91.052508

Soil Type: Bosket Fine Sandy Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 13, 2023

Harvest Date: September 1, 2023

Irrigation Type and Frequency: Furrow irrigated



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

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	207	15.7	34,750	1	-
Dekalb DKC 68-35	216	15.4	33,250	1	-
Dyna-Gro 57VC53	190	11.9	33,000	1	-
Dyna-Gro 57TC29	209	17.1	33,250	1	-
Pioneer 1511YHR	189	16.3	33,750	1	-
Pioneer 1718VYHR	175	16.5	33,500	1	-
Progeny 2118VT2	191	15.5	34,500	1	-
Progeny 2215TRE	172	20.0	34,500	1	-
Trial Mean	194	16.1	33,800	1	-

¹ Yield is adjusted to 15.5% moisture. -

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Lee County



Grower: Lon Mann Cotton Research Station

County Agent: Stan Baker

Location of Field: Marianna

GPS:

Soil Type: Silt Loam

Previous Crop: Corn

Row Width: 38 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 14, 2023

Harvest Date: September 13, 2023

Irrigation Type and Frequency: Furrow irrigated 5 times

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

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Greensap Score ³	Test Wt lb/bu	Plant Ht inches	Seeds/bu @ 15.5%
Dekalb DKC 66-06	221	13.9	33,600	2.0	61.7	111	73,907
Dekalb DKC 68-35	225	14.0	33,900	1.5	61.6	107	66,277
Dyna-Gro 57VC53	221	16.1	33,500	1.5	63.0	108	67,117
Dyna-Gro 57TC29	223	14.8	32,500	1.5	58.5	114	70,232
Pioneer 1511YHR	222	14.5	32,700	1	60.5	107	73,907
Pioneer 1718VYHR	216	14.5	33,700	1.5	60.5	116	73,565
Progeny 2118VT2	220	15.9	32,300	1.5	62.7	109	72,557
Progeny 2215TRE	222	14.5	33,200	1	60.2	112	70,780
Trial Mean	221	14.8	33,200	1.4	61.1	111	71,043

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Greensnap Score – 1 is no greensnap, 10 is completely greensnapped.

Poinsett County

Grower: Jesse Fly/Marty White

County Agent: Craig Allen & Jeffery Works

Location of Field: Judd Hill

GPS:

Soil Type: Falaya Silt Loam

Previous Crop: Soybean

Row Width: 38 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 12, 2023

Harvest Date: August 29, 2023

Irrigation Type and Frequency: Furrow irrigated



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

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	233	18.4	33,000	2.0	--
Dekalb DKC 68-35	251	18.2	34,000	2.5	--
Dyna-Gro 57VC53	224	19.1	34,000	2.5	--
Dyna-Gro 57TC29	194	20.3	33,000	5.5	--
Pioneer 1511YHR	226	19.3	34,000	2.0	--
Pioneer 1718VYHR	190	19.7	33,000	4.5	--
Progeny 2118VT2	204	18.9	33,000	3.5	--
Progeny 2215TRE	208	18.9	33,000	2.0	--
Trial Mean	216	19.1	33,400	3.0	--

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Prairie County

Grower: Tony Richards

County Agent: Andrew Sayger

Location of Field: Des Arc

GPS: 35.051163, -91.563429

Soil Type: DeWitt Silt Loam

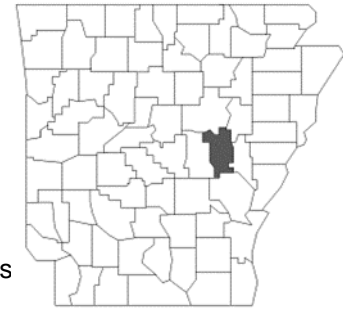
Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000 seeds

Planting Date: April 14, 2023

Harvest Date: September 16, 2023



Irrigation Type and Frequency: Furrow irrigated 5 times

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

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	167	12.5	31,000	1	58.2
Dekalb DKC 68-35	211	12.5	31,000	1	59.9
Dyna-Gro 57VC53	187	12.3	31,000	1	60.6
Dyna-Gro 57TC29	173	12.1	32,000	1	58.0
Pioneer 1511YHR	169	12.9	32,000	1	58.4
Pioneer 1718VYHR	147	12.2	28,000	1	55.5
Progeny 2118VT2	187	12.7	31,000	1	59.9
Progeny 2215TRE	167	12.2	29,000	1	58.3
Trial Mean	176	12.4	30,600	1.0	58.6

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

St. Francis County



Grower: Chris Roberts

County Agent: Jenna Martin/Stam Baker

Location of Field: South of Parkin

GPS: 35.0810, -90.3353

Soil Type: Earle/Sharkey Clay

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000 seeds/acre

Planting Date: May 3, 2023

Harvest Date: September 20, 2023

Irrigation Type and Frequency: Furrow irrigated

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

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	167	13.0	33,000	1	-
Dekalb DKC 68-35	176	14.2	34,000	1	-
Dyna-Gro 57VC53	156	15.1	32,000	1	-
Dyna-Gro 57TC29	172	14.0	34,000	1	-
Pioneer 1511YHR	147	14.9	33,000	1	-
Pioneer 1718VYHR	154	13.7	34,000	1	-
Progeny 2118VT2	158	14.0	31,000	1	-
Progeny 2215TRE	161	13.7	33,000	1	-
Trial Mean	161	14.1	33,000	1.0	-

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

White County



Grower: Feather Farms

County Agent: Jerrod Haynes

Location of Field: Griffithville

GPS: 35.0438, -91.3856

Soil Type: Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 19, 2023

Harvest Date: August 31, 2023

Irrigation Type and Frequency: Furrow irrigated 6 times

Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	51	0	120	29	0
--- Sidedress	180	0	0	30	0
--- Pretassel	46	0	0	0	0
Total Fertility	277	0	120	59	0

Foliar Fungicide: Yes

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	Plant Ht Inches
Dekalb DKC 66-06	245	16.5	34,000	1	61.3	126
Dekalb DKC 68-35	269	17.2	33,666	1	62.7	122
Dyna-Gro 57VC53	244	19.1	33,000	1	59.9	117
Dyna-Gro 57TC29	257	19.5	33,666	1	57.2	129
Pioneer 1511YHR	240	18.7	32,666	1	59.7	122
Pioneer 1718VYHR	267	19.3	34,000	1	58.6	132
Progeny 2118VT2	238	18.5	33,666	1	60.2	118
Progeny 2215TRE	242	19.1	31,000	1	57.9	125
Trial Mean	250	18.5	33,200	1.0	59.7	124

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Visual Lodging Score, 1 is no lodging, 10 is nearly completely lodged

Woodruff County

Grower: Bryan Robertson

County Agent: Jacob Holloway

Location of Field: Gregory

GPS: N 35.201816, -91.341548

Soil Type: Dundee/Dubbs Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000 seeds/acre

Planting Date: April 14, 2023

Harvest Date: September 1, 2023

Irrigation Type and Frequency: Pivot irrigated



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	50	60	70	10	2
--- Sidedress	136	0	0	24	0
--- Pretassel	46	0	0	0	0
Total Fertility	232	60	70	34	2

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	Plant Ht inches
Dekalb DKC 66-06	221	15.8	33,000	1	59.8	120
Dekalb DKC 68-35	246	15.0	33,000	1	60.3	116
Dyna-Gro 57VC53	229	16.7	32,000	1	60.6	114
Dyna-Gro 57TC29	214	16.5	35,000	1	57.7	120
Pioneer 1511YHR	205	15.8	33,000	1	61.2	114
Pioneer 1718VYHR	218	17.0	33,000	1	59.9	128
Progeny 2118VT2	227	17.1	30,000	1	62.1	112
Progeny 2215TRE	182	16.3	32,000	1	59.5	124
Trial Mean	218	12.5	32,475	1	60.1	119

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

2023 County Corn Hybrid Demonstration Program

River Valley/Southwest District Yield Summary

	---River Valley/Southwest District Counties---		
Hybrid	Conway	Yell	District Mean
	-----Yield Bu/Acre-----		
Dekalb DKC 66-06	209	144	177
Dekalb DKC 68-35	210	142	176
Dyna-Gro 57VC53	190	125	158
Dyna-Gro 57TC29	198	150	174
Pioneer 1511YHR	198	130	164
Pioneer 1718VYHR	207	132	169
Progeny 2118VT2	184	134	159
Progeny 2215TRE	190	133	162
Trial Mean	198	136	167
Row Spacing (inches)	30	30	--
Planting Date	April 14	May 4	April 24
Soil Type	Silt Loam	Silt Loam	

Conway County

Grower: 3 Brothers Farm LLC

Location of Field: Plumerville

Soil Type: Roxana Silt Loam

Row Width: 30 inches

Planting Date: April 14, 2023

Irrigation Type and Frequency: Center Pivot 7 times

County Agent: Kevin VanPelt

GPS:

Previous Crop: Soybean

Planting Population: 32,000 seeds/acre

Harvest Date: September 23, 2023



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	33	40	90	24	1
--- Sidedress	140	0	0	12	0
--- Pretassel	57	0	0	12	0
Total Fertility	230	40	90	48	1

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	209	13.4	--	1	61.7
Dekalb DKC 68-35	210	13.5	--	1	61.7
Dyna-Gro 57VC53	190	14.1	--	1	63.3
Dyna-Gro 57TC29	198	13.7	--	1	59.2
Pioneer 1511YHR	198	13.2	--	1	62.0
Pioneer 1718VYHR	207	13.2	--	1	60.8
Progeny 2118VT2	184	13.5	--	1	62.8
Progeny 2215TRE	190	13.2	--	1	61.3
Trial Mean	198	13.5	--	1	61.6

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 is completely lodged.

Yell County

Grower: Blake Mans

County Agent: Powell/Yarbery

Location of Field: Dardanelle Bottoms

GPS: N 35.159795 - 93.135252

Soil Type: Dardanelle Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 32,000 seeds/acre

Planting Date: May 3, 2023

Harvest Date:

Irrigation Type and Frequency: Furrow irrigated



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

Foliar Fungicide: No

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Dekalb DKC 66-06	144	13.0	--	--	--
Dekalb DKC 68-35	142	13.5	--	--	--
Dyna-Gro 57VC53	125	12.8	--	--	--
Dyna-Gro 57TC29	150	12.6	--	--	--
Pioneer 1511YHR	130	12.8	--	--	--
Pioneer 1718VYHR	132	12.1	--	--	--
Progeny 2118VT2	134	12.4	--	--	--
Progeny 2215TRE	133	13.0	--	--	--
Trial Mean	136	12.8	--	--	--

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

³ Lodging Score – 1 is no lodging, 10 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 57VC53	117	VT Double Pro
Dyna-Gro 57TC29	117	Tricepta
Pioneer 1511YHR	115	Optimum Intrasect
Pioneer 1718VYHR	117	Optimum AcreMax Leptra
Progeny 2118VT2	118	VT Double Pro
Progeny 2215TRE	118	Tricepta

2023 Arkansas Standardized Corn Hybrid Demonstration Trials Participants

DeKalb

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

Pioneer

Corteva Agriscience
7250 NW 62nd 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