

2020 Arkansas Corn Standardized County Hybrid Trials



DIVISION OF AGRICULTURE
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Arkansas Corn Standardized County Hybrid Trials, 2020

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County	District	County Agent or Specialist	Cooperator
*Ashley	Southeast	Kevin Norton	Keith Ladd
Clay	Northeast	Stewart Runsick & Allison Howell	Zack Brown Farm
Conway	River Valley	Kevin VanPelt	Nick & Luke Moore
Cross	Northeast	Rick Wimberley	Cross Hill Farms
Desha	Southeast	John David Farabough	Frank & Jacob Appleberry
Desha	Southeast	Jason Kelley	Southeast Research Stn
Faulkner	River Valley	Kevin Lawson	Joe & Austin Thrash
Greene	Northeast	Lance Blythe & Dave Freeze	Derek and Royce Boling
Independence	Northeast	Nathan Reinhart	Nathan and Blake Fuller
Jefferson	Southeast	Kurt Beaty	Felix Smart
Lafayette	Southwest	Lance Rice	Brent Farm
Lawrence	Northeast	B. Baldrige, C. Sisk, M. Andrews	Mitch & Jeff Worlow
Lee	Central	Stan Baker	AR Department of Corrections
Lee	Central	Jason Kelley	Lon Mann Cotton Research Stn
Logan	River Valley	Bob Harper	Mike and Kenny Schluterman
Lonoke	Central	Keith Perkins	Scott Mitchell
Mississippi	Northeast	Shawn Lancaster & Ray Benson	Jason Bennett Farms
Monroe	Southeast	Andrew Sayger & Robert Goodson	Todd & Taylor Smith
Poinsett	Northeast	Craig Allen & Jeffery Works	Dustin Faulkner
Prairie	Central	Brent Griffin & Amy Tallent	Greenwalt Company
St. Francis	Central	Cody Griffin & Russ Parker	Chris Roberts
White	Central	Jan Yingling	Keith Feather
Woodruff	Central	Brett Gordon	Perry Galloway
Yell	River Valley	Bob Powell	Blake Mans

* Trial not harvested due to wind damage from Tropical Storm Laura

INTRODUCTION

The 2020 growing season was the thirteenth year for the Corn Standardized County Hybrid Trial Program. The program's goal is to increase knowledge on selected hybrids that are evaluated in the University of Arkansas Corn Hybrid testing program (<https://aaes.uark.edu/variety-testing/>). The trials were a collaborative effort between growers, county extension agents, extension specialists, and industry representatives. In the trials, producers followed their normal production practices they use 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 four districts and within each district, hybrids entered were consistent. Districts included the Northeast, Central, Southeast, 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 choose hybrids to be entered, and hybrids were required to be commercially available and have been tested/or 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. Relative maturity of hybrids entered ranged from 113 to 120 days. A full list of hybrids entered along with relative maturity and traits can be found on page 31. These trials were strip trials and were not replicated, however, with multiple locations within a district does provide useful information on yield potential and agronomic considerations.

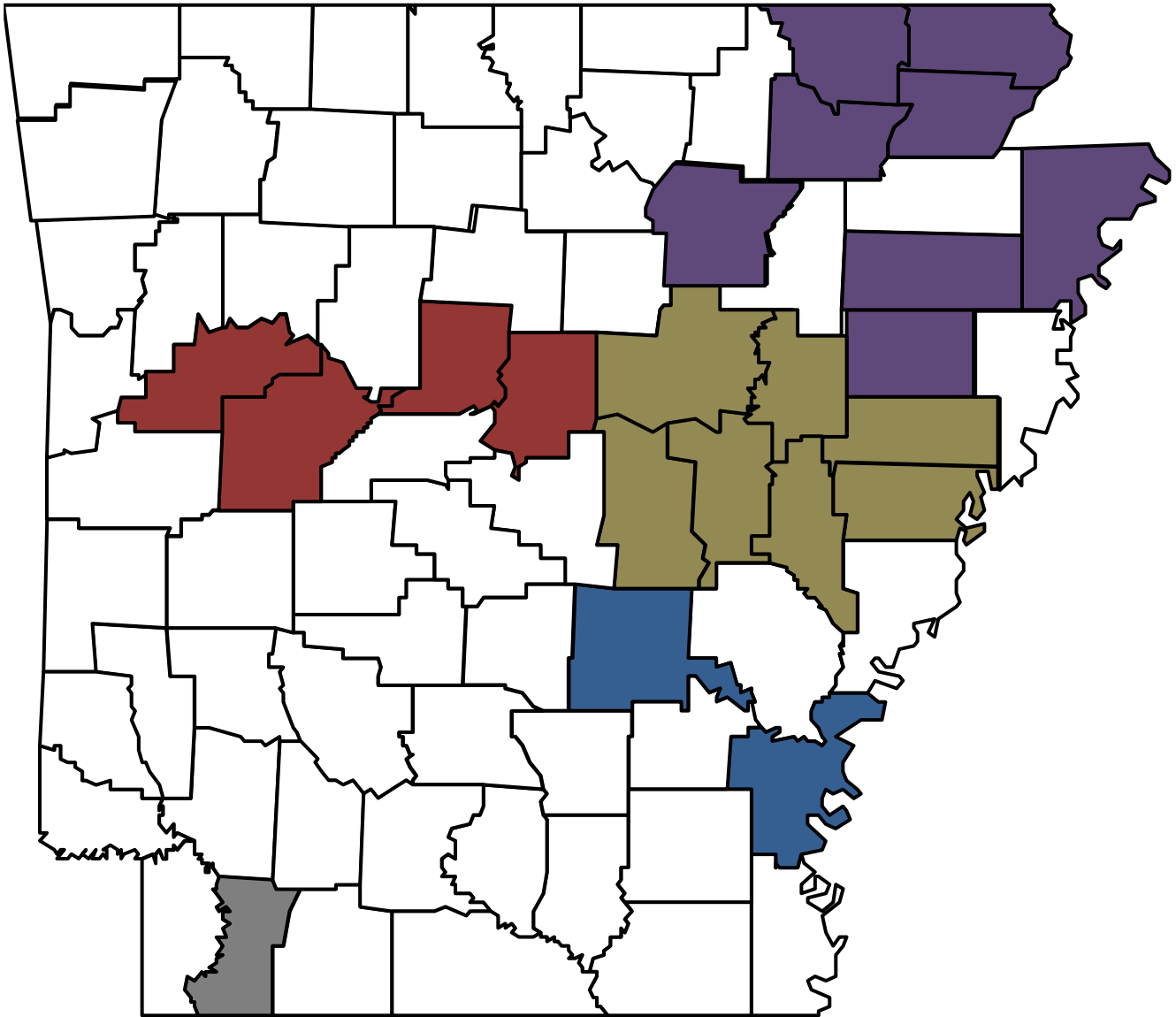
Information collected in each trial included; soil type, planting date, final plant population, test weight, grain moisture at harvest, plant lodging, and yield. Plots were planted with producer equipment and typically were four to eight rows wide by the length of field (500-1500 ft). Grain moisture and test weights were recorded by commercial or hand held 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.

The 2020 growing season was challenging in many ways. Rainfall during March and April prevented early planting in many areas and several trials were not planted until early May. Weather from May through August was conducive for high yields with moderate temperatures and above average rainfall for most of the state. Rainfall from tropical storms Laura and Beta delayed harvest and resulting wind caused considerable lodging in some trials. Results from 23 trials in 21 counties are reported.

The authors would like to express their gratitude to the producers, County Agents, and industry representatives that made these trials possible.

An electronic copy of this publication can be found at the following web address: www.uaex.edu/corn

Arkansas Corn Standardized County Hybrid Trials District Map

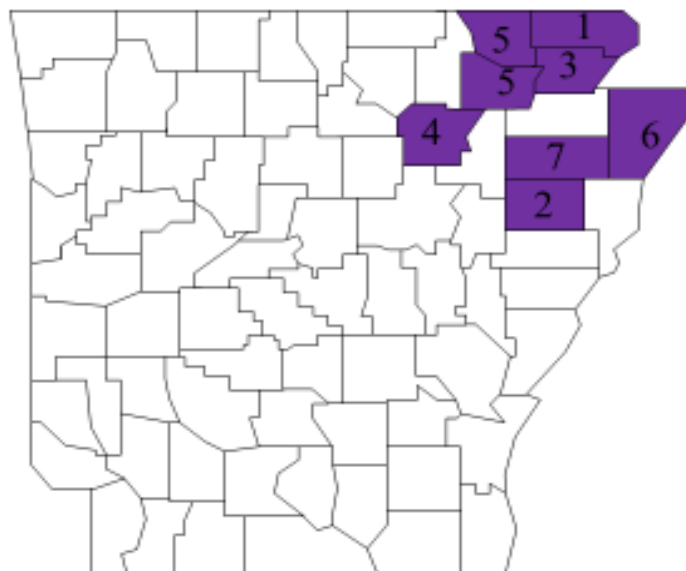


Southwest	Grey
River Valley	Red
Central	Olive
Southeast	Blue
Northeast	Purple

Northeast District Summary

	-----Northeast District Counties-----							
Hybrid	Cross	Clay	Greene	Lawrence	Mississippi	Independence	Poinsett	Mean
	-----Yield Bu/Acre-----							
AgriGold 6544 VT2P	215.5	214.8	254	229.3	179.8	223.3	213.8	218.6
AgriGold 6659 VT2P	221.4	204.0	259	193.8	192.7	235.2	235.0	220.2
Armor 1575 VT2P	222.7	212.9	243	209.5	151.9	216.3	204.6	208.7
Croplan 5370 VT2P	231.3	219.5	264	235.4	---	235.1	227.5	---
DeKalb DKC 65-99 TRE	225.3	215.7	257	242.4	193.4	131.9	230.7	213.8
Dyna-Gro 55VC80 VT2P	227.7	204.8	245	216.0	209.4	188.7	217.0	215.5
Dyna-Gro 58VC65 VT2P	229.5	206.9	262	235.2	200.5	237.0	232.2	229.0
Local Seed LC1577 VT2P	213.7	208.5	252	232.4	152.9	227.7	210.4	213.9
Local Seed LC1898 TC	232.3	222.9	255	229.6	180.8	206.4	224.6	221.7
Pioneer 1847VYHR	---	216.6	261	234.7	213.5	223.3	222.9	---
Pioneer 2042VYHR	222.4	200.4	256	208.1	159.2	231.7	165.4	206.2
Progeny PGY 9114 VT2P	189.3	206.9	243	230.2	153.4	223.7	202.9	207.1
Progeny PGY 2015 VT2P	219.5	209.5	249	227.4	160.2	239.7	232.0	219.6
Trial Mean	220.9	211.0	254	224.9	179.0	216.9	216.9	---
Row Spacing (inches)	30	30	30	30	38	30	30	---
Planting Date	May 4	April 20	April 7	April 8	May 16	April 8	April 8	April 10

Northeast District Counties



- 1 – Clay County 2 – Cross County 3 – Greene County 4 – Independence County
 5 – Lawrence/Randolph County 6 – Mississippi County 7- Poinsett County

Clay County

Grower: Zack Brown Farm

Location of Field: Corning

Soil Type: Beulah Fine Sandy Loam

Row Width: 30 inches

Planting Date: April 20, 2020

Irrigation Type and Frequency: Furrow irrigated 4 times

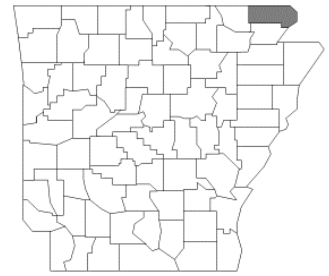
County Agent: Allison Howell & Stewart Runsick

GPS: 36.420626, -90.672546

Previous Crop: Corn

Planting Population: 33,500

Harvest Date: September 30, 2020



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	60	60	87	15	1.5
--- Sidedress	135	-	-	20	-
--- Pretassel	45	-	-	-	-
Total Fertility	240	60	87	35	1.5

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 VT2P	214.8	14.7	31,000	1	61.3
AgriGold 6659 VT2P	204.0	15.7	32,000	2	60.6
Armor 1575 VT2P	212.9	15.1	31,000	1	61.3
Croplan 5370 VT2P	219.5	14.7	33,000	1	58.0
DeKalb DKC 65-99 TRE	215.7	15.1	33,000	2	59.9
Dyna-Gro 55VC80 VT2P	204.8	14.6	32,000	1	61.7
Dyna-Gro 58VC65 VT2P	206.9	16.0	29,000	1	59.6
Local Seed LC1577 VT2P	208.5	14.6	33,000	1	62.5
Local Seed LC1898 TC	222.9	14.5	30,000	1	60.1
Pioneer 1847VYHR	216.6	16.2	31,000	5	61.7
Pioneer 2042VYHR	200.4	16.4	32,000	1	62.4
Progeny PGY 9114 VT2P	206.9	13.7	28,000	1	58.2
Progeny PGY 2015 VT2P	209.5	14.6	30,000	1	59.7
Trial Mean	211.0	15.1	31,200	1.5	60.5

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: Cross Hill Farms

County Agent: Rick Wimberley

Location of Field: Wynne

GPS:

Soil Type: Henry Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 35,000

Planting Date: May 4, 2020

Harvest Date: October 7, 2020

Irrigation Type and Frequency: Furrow irrigated 5 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 VT2P	215.5	14.7	32,500	2.5	
AgriGold 6659 VT2P	221.4	15.2	35,500	2	
Armor 1575 VT2P	222.7	15.9	36,500	2	
Croplan 5370 VT2P	231.3	15.0	32,000	1.5	
DeKalb DKC 65-99 TRE	225.3	15.3	36,000	1.5	
Dyna-Gro 55VC80 VT2P	227.7	14.4	35,500	2	
Dyna-Gro 58VC65 VT2P	229.5	14.9	31,000	2	
Local Seed LC1577 VT2P	213.7	15.0	36,000	2	
Local Seed LC1898 TC	232.3	14.6	35,500	1.5	
Pioneer 1847VYHR	---	---	33,500	8	
Pioneer 2042VYHR	222.4	16.4	35,500	5	
Progeny PGY 9114 VT2P	189.3	15.3	33,500	1.5	
Progeny PGY 2015 VT2P	219.9	15.0	35,000	1.5	
Trial Mean	220.9	15.1	34,400	2.5	

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

Location of Field: Paragould

Soil Type: Dundee Sandy Loam

Row Width: 30 inches

Planting Date: April 7, 2020

Irrigation Type and Frequency: Pivot irrigated

County Agent: Lance Blythe, Dave Freeze

GPS:

Previous Crop: Cotton

Planting Population: 36,000

Harvest Date: September 30, 2020



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	60	60	100	12	0
--- Sidedress	160	0	0	12	0
--- Pretassel	46	0	20	0	0
Total Fertility	266	60	120	24	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 VT2P	254	15.5	38,000	1	59.1
AgriGold 6659 VT2P	259	15.6	35,000	1	61.7
Armor 1575 VT2P	243	15.4	36,000	3	61.9
Croplan 5370 VT2P	264	14.9	34,000	1	59.8
DeKalb DKC 65-99 TRE	257	15.4	35,000	1	61.4
Dyna-Gro 55VC80 VT2P	245	15.8	36,000	2	60.8
Dyna-Gro 58VC65 VT2P	262	15.0	32,000	1	61.9
Local Seed LC1577 VT2P	252	15.1	32,000	1	62.2
Local Seed LC1898 TC	255	15.9	35,000	1	61.3
Pioneer 1847VYHR	261	16.8	35,000	1	60.9
Pioneer 2042VYHR	256	17.6	35,000	1	60.6
Progeny PGY 9114 VT2P	243	14.5	36,000	1	61.1
Progeny PGY 2015 VT2P	249	14.4	36,000	1	62.9
Trial Mean	254	15.5	35,000	1.2	61.2

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.

Independence County

Grower: Nathan and Blake Fuller

County Agent: Nathan Reinhart

Location of Field: Maple Springs

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

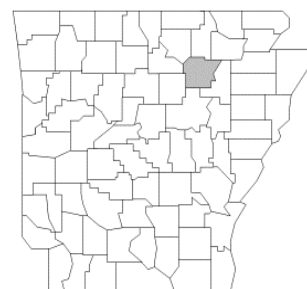
Row Width: 30 inches

Planting Population: 34,200

Planting Date: April 8

Harvest Date: September 10

Irrigation Type and Frequency: Pivot irrigated 4 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 VT2P	223.3	15.9	32,000	3	60.6
AgriGold 6659 VT2P	235.2	17.4	35,000	4	60.0
Armor 1575 VT2P	216.3	17.4	34,000	2	60.1
Croplan 5370 VT2P	235.1	16.5	37,000	1	59.5
DeKalb DKC 65-99 TRE	131.9	16.5	32,000	7	57.0
Dyna-Gro 55VC80 VT2P	188.7	15.6	33,000	4	60.7
Dyna-Gro 58VC65 VT2P	237.0	16.0	32,000	1	60.0
Local Seed LC1577 VT2P	227.7	16.8	35,000	5	58.7
Local Seed LC1898 TC	206.4	17.1	35,000	4	59.0
Pioneer 1847VYHR	223.3	16.2	36,000	6	57.3
Pioneer 2042VYHR	231.7	15.6	33,000	1	61.0
Progeny PGY 9114 VT2P	223.7	15.6	36,000	2	60.0
Progeny PGY 2015 VT2P	239.7	16.2	32,000	1	60.0
Trial Mean	216.9	16.4	34,000	3.2	59.5

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: Mitch & Jeff Worlow

County Agent: Baldridge, Sisk, Andrews

Location of Field: Sedgewick

GPS: 35 53'30.93" N 90 56'48.88" W

Soil Type: Beulah Sandy Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000

Planting Date: April 8, 2020

Harvest Date: September 27, 2020

Irrigation Type and Frequency: Furrow irrigated 5 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 VT2P	229.3	16.8	34,000	1	--
AgriGold 6659 VT2P	193.8	17.0	34,000	1	--
Armor 1575 VT2P	209.5	17.3	37,000	1	--
Croplan 5370 VT2P	235.4	16.4	35,000	1	--
DeKalb DKC 65-99 TRE	242.4	16.9	36,000	1	--
Dyna-Gro 55VC80 VT2P	216.0	17.1	34,000	1	--
Dyna-Gro 54VC34 VT2P	235.2	16.7	36,000	2	--
Local Seed LC1577 VT2P	232.4	16.1	36,000	2	--
Local Seed LC1898 TC	229.6	16.2	37,000	1	--
Pioneer 1847VYHR	234.7	18.9	35,000	2	--
Pioneer 2042VYHR	208.1	17.4	36,000	1	--
Progeny PGY 9114 VT2P	230.2	17.7	34,000	2	--
Progeny PGY 2015 VT2P	227.4	16.1	34,500	1	--
Trial Mean	224.9	17.0	35,300	1.3	--

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.

Mississippi County

Grower: Jason Bennett

County Agent: Shawn Lancaster

Location of Field: Bassett

GPS:

Soil Type: Forestdale Silty Clay Loam

Previous Crop: Soybean

Row Width: 38 inches

Planting Population: 36,000

Planting Date: May 16, 2020

Harvest Date: September 28, 2020

Irrigation Type and Frequency: Furrow irrigated 4 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 VT2P	179.8	16.5	28,900	2	58.8
AgriGold 6659 VT2P	192.7	16.6	31,600	1	60.1
Armor 1575 VT2P	151.9	17.0	28,900	1	59.1
Croplan 5370 VT2P	--	--	--	--	--
DeKalb DKC 65-99 TRE	193.4	15.9	31,600	1	60.8
Dyna-Gro 55VC80 VT2P	209.4	16.8	26,100	1	60.3
Dyna-Gro 58VC65 VT2P	200.5	15.8	28,900	2.5	60.0
Local Seed LC1577 VT2P	152.9	14.6	31,300	3.5	59.8
Local Seed LC1898 TC	180.8	16.2	27,500	1	61.0
Pioneer 1847VYHR	213.5	17.9	31,634	3	60.1
Pioneer 2042VYHR	159.2	17.1	26,100	4	60.4
Progeny PGY 9114 VT2P	153.4	15.5	30,300	2	60.4
Progeny PGY 2015 VT2P	160.2	14.5	27,500	2	59.2
Trial Mean	179.0	16.2	29,200	2.0	60.0

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.

Poinsett County

Grower: Dustin Faulkner

County Agent: Craig Allen & Jeffery Works

Location of Field: Bay Village

GPS: 35.5109151, -90.6160692

Soil Type: Falaya Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 33,000

Planting Date: April 8, 2020

Harvest Date: September 12, 2020

Irrigation Type and Frequency: Furrow irrigated 6 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 VT2P	213.8	13.7	30,000	3	59.2
AgriGold 6659 VT2P	235.0	14.2	28,000	1	59.3
Armor 1575 VT2P	204.6	14.3	27,000	1	58.4
Croplan 5370 VT2P	227.5	13.8	28,000	1	59.6
DeKalb DKC 65-99 TRE	230.7	13.7	26,000	3	59.6
Dyna-Gro 55VC80 VT2P	217.0	14.1	29,000	1	57.3
Dyna-Gro 58VC65 VT2P	232.2	13.4	28,000	1	62.1
Local Seed LC1577 VT2P	210.4	13.9	27,000	5	59.5
Local Seed LC1898 TC	224.6	13.3	30,000	1	60.9
Pioneer 1847VYHR	222.9	14.1	30,000	1	60.8
Pioneer 2042VYHR	165.4	13.9	26,000	6	58.9
Progeny PGY 9114 VT2P	202.9	14.3	26,000	1	60.9
Progeny PGY 2015 VT2P	232.0	14.1	25,000	1	60.2
Trial Mean	216.9	13.9	27,700	2	59.7

¹ Yield is adjusted to 15.5% moisture.

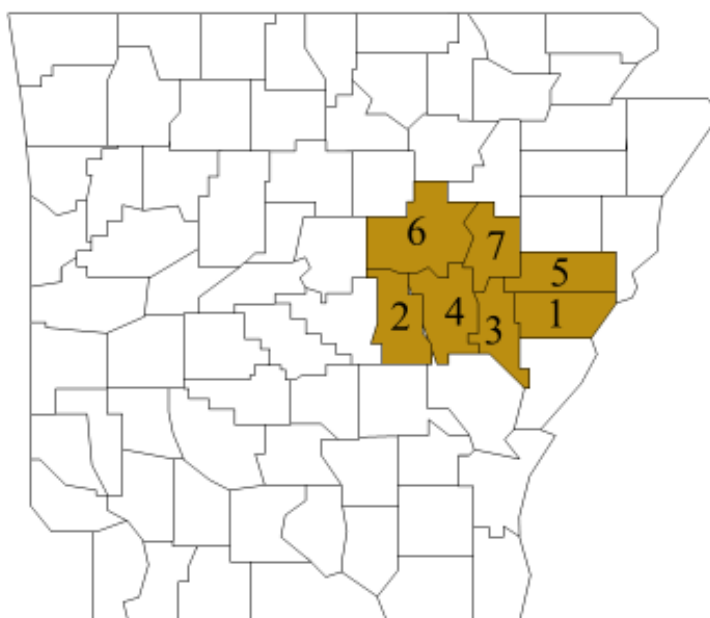
² Final Plant Population is given as plants per acre.

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

Central District Yield Summary

Hybrid	-----Central District Counties-----								
	Lee	Lee II	Lonoke	Monroe	Prairie	St. Francis	White	Woodruff	Mean
	-----Yield Bu/Acre-----								
Armor 1575VT2P	228.5	212.7	231.9	228.2	200.0	230.8	246.0	283.1	232.7
Croplan 5370 VT2P	244.4	227.1	229.4	---	218.3	222.7	240.2	277.9	---
DeKalb DKC 65-99TRE	262.6	243.2	217.2	197.8	234.0	223.1	272.9	291.4	242.8
Dyna-Gro 55VC80VT2P	202.4	210.1	228.9	215.0	215.8	221.4	240.5	282.8	227.1
Dyna-Gro 58VC65VT2P	236.5	217.8	225.7	236.5	221.4	226.9	243.2	272.6	235.1
Local Seed LC1577VT2P	241.1	226.0	213.0	231.3	212.3	220.9	244.0	260.8	231.2
Local Seed LC1898TC	195.4	215.8	202.0	214.9	229.6	225.8	254.6	---	---
Pioneer 1847VYHR	186.8	221.6	237.5	232.9	209.6	202.8	286.5	288.1	233.2
Pioneer 2042VYHR	203.9	229.6	231.9	197.6	207.0	207.2	264.1	279.1	227.6
Progeny PGY 9114VT2P	217.8	215.5	196.5	212.5	219.2	200.7	222.7	243.5	216.1
Progeny PGY 2015VT2P	229.6	218.2	217.3	197.6	228.1	214.8	229.5	---	---
Trial Mean	222.6	221.6	221.0	216.4	217.7	217.9	249.5	275.5	
Row Spacing (inches)	30	38	30	30	30	30	30	30	
Planting Date	April 17	May 1	May 1	May 1	April 17	May 4	May 5	April 30	April 27

Central District Counties



1. – Lee County 2. – Lonoke County 3. – Monroe County 4. – Prairie County
 5. – St. Francis County 6. – White County 7. – Woodruff County

Lee County



Grower: East AR Dept. of Corrections

County Agent: Stan Baker

Location of Field: Brickeys

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 36,000

Planting Date: April 17, 2020

Harvest Date: October 6, 2020

Irrigation Type and Frequency: Furrow irrigated 4 times

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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575VT2P	228.5	13.9	34,000	2.0	56.1
Croplan 5370 VT2P	244.4	13.3	33,000	2.0	56.7
DeKalb DKC 65-99 TRE	262.6	13.4	34,000	1.5	55.9
Dyna-Gro 55VC80 VT2P	202.4	13.5	35,000	2.5	56.5
Dyna-Gro 58VC65 VT2P	236.5	13.4	33,000	1.5	56.7
Local Seed LC1577 VT2P	241.1	13.4	33,000	3.0	56.1
Local Seed LC1898 TC	195.4	13.4	34,000	3.0	55.7
Pioneer 1847VYHR	186.8	14.0	33,000	5.0	55.2
Pioneer 2042VYHR	203.9	14.0	33,000	4.0	57.0
Progeny PGY 9114 VT2P	217.8	13.0	34,000	2.0	56.7
Progeny PGY 2015 VT2P	229.6	13.1	34,000	2.0	56.4
Trial Mean	222.6	13.5	33,600	2.6	56.3

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.

Lee County II



Grower: Lon Mann Cotton Research Station

County Agent:

Location of Field: Marianna

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

Row Width: 38 inches

Planting Population: 34,000

Planting Date: May 1, 2020

Harvest Date: September 18, 2020

Irrigation Type and Frequency: Furrow irrigated 4 times

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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575VT2P	212.7	16.0	31,400	1.0	57.4
Croplan 5370 VT2P	227.1	15.2	32,700	1.0	57.6
DeKalb DKC 65-99 TRE	243.2	16.0	31,500	1.0	58.3
Dyna-Gro 55VC80 VT2P	210.1	16.4	32,000	1.2	58.2
Dyna-Gro 58VC65 VT2P	217.8	16.6	31,800	1.2	58.0
Local Seed LC1577 VT2P	226.0	16.1	30,400	1.0	58.8
Local Seed LC1898 TC	215.8	16.4	30,900	1.0	59.4
Pioneer 1847VYHR	221.6	19.0	31,600	1.5	58.4
Pioneer 2042VYHR	229.6	18.7	31,500	1.0	57.6
Progeny PGY 9114 VT2P	215.5	15.3	30,000	1.3	59.1
Progeny PGY 2015 VT2P	218.2	15.8	30,000	1.1	58.6
Trial Mean	221.6	16.5	31,250	1.1	58.3

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.

Lonoke County

Grower: Scott Mitchell

County Agent: Keith Perkins

Location of Field: Lonoke

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

Row Width: 30 Inches

Planting Population: 34,000

Planting Date: May 1, 2020

Harvest Date: September 23, 2020



Irrigation Type and Frequency: Furrow

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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575VT2P	231.9	17.2	34,000	1.5	-
Croplan 5370 VT2P	229.4	15.9	35,000	1.5	-
DeKalb DKC 65-99 TRE	217.2	17.1	36,000	1.5	-
Dyna-Gro 55VC80 VT2P	228.9	17.3	36,000	2.0	-
Dyna-Gro 58VC65 VT2P	225.7	17.7	36,000	1.0	-
Local Seed LC1577 VT2P	213.0	15.9	36,000	1.5	-
Local Seed LC1898 TC	202.0	14.6	36,000	1.5	-
Pioneer 1847VYHR	237.5	16.5	36,000	2.5	-
Pioneer 2042VYHR	231.9	17.7	37,000	2.0	-
Progeny PGY 9114 VT2P	196.5	15.6	34,000	1.0	-
Progeny PGY 2015 VT2P	217.3	15.5	35,000	1.5	-
Trial Mean	219.9	16.4	35,700	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.

Monroe County

Grower: Todd & Taylor Smith

County Agent: Andrew Sayger Robert Goodson

Location of Field: Roe

GPS: N 34.61828, W -91.37743

Soil Type: Stuttgart Silt Loam

Previous Crops: Soybean

Row Width: 30 inches

Planting Population: 36,000

Planting Date: May 1, 2020

Harvest Date: September 20, 2020

Irrigation Type and Frequency: Furrow irrigated 3 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575 VT2P	228.2	14.9	33,000	3	58.8
Croplan 5370VT2P	--	--	--	--	--
Dekalb DKC65-99 TRE	197.8	15.7	34,000	3	58.1
Dyna-Gro 55VC80 VT2P	215.0	15.6	35,000	3	58.8
Dyna-Gro 58VC65 VT2P	236.5	15.1	36,000	3	58.3
Local Seed LC1577 VT2P	231.3	15.0	35,000	3	58.6
Local Seed LC1898 TC	214.9	15.7	34,000	3	58.8
Pioneer 1847VYHR	232.9	15.2	36,000	3	58.8
Pioneer 2042VYHR	197.6	16.6	36,000	3	59.7
Progeny PGY 9114 VT2P	212.5	16.9	35,000	3	59.0
Progeny PGY 2015 VT2P	197.6	16.6	36,000	3	59.7
Trial Mean	216.4	15.7	35,000	3.0	58.9

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: Greenwalt Company

County Agent: Brent Griffin, Amy Tallent

Location of Field: Hazen

GPS:

Soil Type: Silt Loam

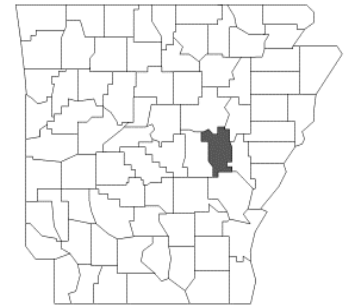
Previous Crop: Soybean

Row Width: 30

Planting Population: 36,000

Planting Date: April 17, 2020

Harvest Date: October 5, 2020



Irrigation Type and Frequency: Furrow irrigated 5 times

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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575VT2P	200.0	13.6	34,800	1	58.8
Croplan 5370 VT2P	218.3	13.9	32,700	2	59.4
DeKalb DKC 65-99 TRE	234.0	14.9	34,800	1	57.7
Dyna-Gro 55VC80 VT2P	215.8	14.0	34,800	1	61.9
Dyna-Gro 58VC65 VT2P	221.4	14.5	30,500	1	60.9
Local Seed LC1577 VT2P	212.3	14.2	32,700	1	58.7
Local Seed LC1898 TC	229.6	14.4	34,800	1	60.8
Pioneer 1847VYHR	209.6	14.6	32,700	3	59.8
Pioneer 2042VYHR	207.0	14.6	32,700	1	60.0
Progeny PGY 9114 VT2P	219.2	13.8	34,800	2	60.0
Progeny PGY 2015 VT2P	228.1	13.8	32,700	1	61.2
Trial Mean	217.4	14.2	33,500	1.4	59.8

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.

St. Francis County

Grower: Chris Roberts

County Agent: Cody Griffin/Russ Parker

Location of Field: Forrest City

GPS:

Soil Type: Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000

Planting Date: May 4, 2020

Harvest Date: September 30, 2020



Irrigation Type and Frequency: Furrow irrigated 3 times

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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575 VT2P	230.8	14.4	-	2	58.3
Croplan 5370 VT2P	222.7	14.2	-	2	58.9
DeKalb DKC 65-99 TRE	223.1	14.1	-	2	59.2
Dyna-Gro 55VC80 VT2P	221.4	14.2	-	2	57.8
Dyna-Gro 58VC65 VT2P	226.9	14.3	-	2	59.5
Local Seed LC1577 VT2P	220.9	14.4	-	2	58.1
Local Seed LC1898 TC	225.8	13.9	-	2	59.9
Pioneer 1847VYHR	202.8	15.3	-	2	59.3
Pioneer 2042VYHR	207.2	15.4	-	2	59.2
Progeny PGY 9114 VT2P	200.7	14.5	-	2	58.3
Progeny PGY 2015 VT2P	214.8	13.7	-	2	58.3
Trial Mean	216.6	14.4	-	2	58.9

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: Keith Feather

County Agent: Jan Yingling

Location of Field: Griffithville

GPS: N 35.0924, W -91.6615

Soil Type: Calhoun Silt Loam

Previous Crop: Soybeans

Row Width: 30 inches

Planting Population: 34,000

Planting Date: May 4, 2020

Harvest Date: September 11, 2020

Irrigation Type and Frequency: Furrow irrigated 5 times



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	25	90	127	15	4
--- Sidedress	145	0	0	27	0
--- Pretassel	46	0	0	0	0
Total Fertility	216	90	127	42	4

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575VT2P	246.0	14.7	33,000	1	57.2
Croplan 5370 VT2P	240.2	15.2	30,500	1	57.6
DeKalb DKC 65-99 TRE	272.9	16.7	34,000	2	58.4
Dyna-Gro 55VC80 VT2P	240.5	14.5	33,000	1	58.4
Dyna-Gro 58VC65 VT2P	243.2	15.0	32,500	3	59.0
Local Seed LC1577 VT2P	243.9	15.1	32,500	6	58.2
Local Seed LC1898 TC	254.6	14.2	31,000	1	60.9
Pioneer 1847VYHR	286.5	15.8	33,500	6	59.3
Pioneer 2042VYHR	264.1	14.6	32,500	3	59.5
Progeny PGY 9114 VT2P	222.7	14.2	33,500	6	59.0
Progeny PGY 2015 VT2P	229.5	13.8	31,000	1	58.5
Trial Mean	249.5	14.9	32,400	2.8	58.7

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: Perry Galloway

County Agent: Brett Gordon

Location of Field: Gregory

GPS: N 35.1518, W -91.1318

Soil Type: Wiville Fine Sandy Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 34,000

Planting Date: April 30, 2020

Harvest Date: October 5, 2020

Irrigation Type and Frequency: Furrow irrigated 6 times



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	35	29	7	7	0
--- Sidedress	93	0	0	17	0
--- Pretassel	93	0	0	17	0
Total Fertility	221	29	7	41	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1575VT2P	283.1	13.7	33,500	1	58.8
Croplan 5370 VT2P	277.9	13.2	32,000	1	60.3
DeKalb DKC 65-99 TRE	291.4	13.4	33,000	1	60.3
Dyna-Gro 55VC80 VT2P	282.8	13.3	34,000	1	59.3
Dyna-Gro 58VC65 VT2P	272.6	14.2	32,000	1	61.6
Local Seed LC1577 VT2P	260.8	13.9	33,500	2	61.1
Local Seed LC1989TC	--	--	--	--	--
Pioneer 1847VYHR	288.1	14.3	31,000	5	59.8
Pioneer 2042VYHR	279.1	14.1	32,000	4	58.9
Progeny PGY 9114 VT2P	243.5	13.7	32,000	2	60.3
Progeny PGY 2015 VT2P	--	--	--	--	--
Trial Mean	275.5	13.8	32,600	2.0	60.0

¹ Yield is adjusted to 15.5% moisture.

² Final Plant Population is given as plants per acre.

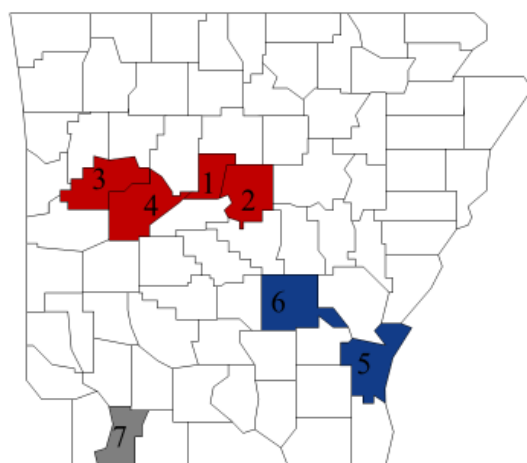
³ Lodging Score – 1 is no lodging, 10 is completely lodged.

River Valley, Southeast, and Southwest Districts Summary

The River Valley District had three trials, the Southeast had two trials and the Southwest had one trial. The following table is a summary of the hybrids across these districts.

Hybrid	-----River Valley, Southeast, and Southwest District Counties-----							
	Faulkner	Conway	Yell	Lafayette	Logan	Desha	Desha II	Jefferson
	-----Yield Bu/Acre-----							
AgriGold 6544 VT2P	--	--	--	--	--	209	251.4	242.2
AgriGold 6659 VT2P	--	--	--	--	--	189	243.0	231.1
Armor 1575VT2P	--	--	--	--	--	186	223.7	234.5
Croplan 5370 VT2P	--	--	--	--	--	180	232.1	234.2
DeKalb DKC 66-18 VT2P	172.8	205.8	195.7	194	153.3	192	221.1	233.0
Dyna-Gro 55VC80 VT2P	179.3	200.5	202.4	203	140.8	203	237.7	--
Dyna-Gro 58VC65 VT2P	161.5	195.8	184.1	198	144.4	204	234.8	--
Local Seed LC1577 VT2P	164.1	196.0	195.5	205	152.7	172	240.8	230.0
Local Seed LC1898 TC	174.8	205.6	190.1	196	183.9	186	269.7	254.6
Pioneer 1847VYHR	--	--	--	--	--	180	261.6	249.7
Pioneer 2042VYHR	--	--	--	--	--	183	234.4	237.3
Progeny PGY 8116 SS	161.2	183.3	178.3	191	158.3	147	217.4	213.2
Progeny PGY 9117 VT2P	166.2	182.1	186.8	187	170.5	166	249.4	206.8
Trial Mean	168.6	195.6	190.4	196.3	157.7	184	239.8	233.3
Row Spacing (inches)	30	30	30	30	38	38	38	30
Planting Date	May 6	April 18	May 11	April 17	April 10	May 2	May 5	May 4

River Valley, Southeast, and Southwest Counties



1 – Conway 2 – Faulkner 3 – Logan 4 – Yell 5 – Desha 6 – Jefferson 7 - Lafayette

Faulkner County

Grower: Joe & Austin Thrash

County Agent: Kevin Lawson

Location of Field: Lollie Bottoms

GPS: N 34.9971, W -92.5763

Soil Type: Gallion Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 33,000

Planting Date: May 6, 2020

Harvest Date: October 8, 2020

Irrigation Type and Frequency: Pivot 5X



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant					
--- Sidedress					
--- Pretassel					
Total Fertility	216	57	57	24	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
DeKalb DKC 66-18 VT2P	172.8	14.8	32,000	1	60.7
Dyna-Gro 55VC80 VT2P	179.3	14.6	33,000	1	59.6
Dyna-Gro 58VC65 VT2P	161.5	14.6	35,000	1	57.8
Local Seed LC1577 VT2P	164.1	14.4	35,000	1	60.1
Local Seed LC1898 TC	174.8	14.5	32,500	1	61.3
Progeny PGY 8116 SS	161.2	14.5	34,000	1	61.5
Progeny PGY 9117 VT2P	166.2	14.6	33,000	1	60.3
Trial Mean	168.6	14.6	33,500	1	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.

Conway County

Grower: Nick & Luke Moore

County Agent: Kevin VanPelt

Location of Field: Plummerville

GPS: N 35.1235, W -92.6364

Soil Type: Roxana Silt Loam

Previous Crop: Soybean

Row Width: 30 inches

Planting Population: 33,000

Planting Date: April 18, 2020

Harvest Date: October 2, 2020

Irrigation Type and Frequency: Furrow 6



Fertility (lb/ac)	N	P	K	S	Zn
--- Preplant	44	0	60	24	0
--- Sidedress	103	0	0	12	0
--- Pretassel	69	0	0	0	0
Total Fertility	216	0	60	36	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
DeKalb DKC 66-18 VT2P	205.8	14.2	32,500	1	58.7
Dyna-Gro 55VC80 VT2P	200.5	14.8	30,500	6	57.2
Dyna-Gro 58VC65 VT2P	195.8	14.2	30,000	2	59.2
Local Seed LC1577 VT2P	196.0	14.3	32,000	2	58.6
Local Seed LC1898 TC	205.6	14.8	31,000	5	58.8
Progeny PGY 8116 SS	183.3	14.3	33,000	2	59.2
Progeny PGY 9117 VT2P	182.1	14.5	32,500	6	59.5
Trial Mean	195.6	14.4	31,600	3.4	58.7

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: Bob Powell

Location of Field: Dardanelle Bottoms

GPS: N 35.159795 - 93.135252

Soil Type: Dardanelle Silt Loam

Previous Crop: Soybeans

Row Width: 30 inches

Planting Population: 33,000

Planting Date: May 11, 2020

Harvest Date: September 11, 2020

Irrigation Type and Frequency: Furrow irrigated



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
DeKalb DKC 66-18 VT2P	195.7	15.8	34,000	1	59.5
Dyna-Gro 55VC80 VT2P	202.4	15.3	34,000	1	60.3
Dyna-Gro 58VC65 VT2P	184.1	15.9	33,000	1	60.3
Local Seed LC1577 VT2P	195.5	15.2	32,000	1	61.8
Local Seed LC1898 TC	190.1	15.7	32,000	1	59.9
Progeny PGY 8116 SS	178.3	15.8	33,000	1	62.0
Progeny PGY 9117 VT2P	186.8	15.7	33,000	1	61.2
Trial Mean	190.4	15.6	33,000	1	60.7

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.

Logan County

Grower: Mike & Kenny Schluterman

County Agent: Bob Harper

Location of Field: Paris Bottoms

GPS:

Soil Type: Dardanelle Silt Loam

Previous Crop: Edamame Soybean

Row Width: 38 inches

Planting Population: 40,000

Planting Date: April 10, 2020

Harvest Date: September 30, 2020

Irrigation Type and Frequency: Furrow, 2X



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
DeKalb DKC 66-18 VT2P	152.7	15.1	37,000	1	57.7
Dyna-Gro 55VC80 VT2P	170.5	17.7	39,000	1	58.5
Dyna-Gro 58VC65 VT2P	158.3	15.7	37,000	1	59.0
Local Seed LC1577 VT2P	144.4	15.4	37,000	1	57.9
Local Seed LC1898 TC	183.9	16.1	41,000	1	58.1
Progeny PGY 8116 SS	140.8	14.9	40,000	1	58.0
Progeny PGY 9117 VT2P	153.3	15.8	37,000	1	59.4
Trial Mean	157.7	15.8	38,300	1	58.4

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.

Lafayette County

Grower: Brent Farm

County Agent: Lance Rice

Location of Field: Spirit Lake

GPS:

Soil Type: Rilla Silt Loam

Previous Crop: Corn

Row Width: 30 inches

Planting Population: 32,000

Planting Date: April 17, 2020

Harvest Date: September 10, 2020

Irrigation Type and Frequency: Furrow 2x

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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
DeKalb DKC 66-18 VT2P	194	14.6	-	-	57.1
Dyna-Gro 55VC80 VT2P	203	14.6	-	-	56.5
Dyna-Gro 58VC65 VT2P	198	14.2	-	-	59.2
Local Seed LC1577 VT2P	205	14.1	-	-	59.8
Local Seed LC1898 TC	196	14.2	-	-	59.0
Progeny PGY 8116 SS	191	14.5	-	-	59.4
Progeny PGY 9117 VT2P	187	14.5	-	-	58.8
Trial Mean	196	14.4	-	-	58.5

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: Frank & Jacob Appleberry

County Agent: John D. Farabough

Location of Field: Near Tillar

GPS:

Soil Type: Rilla Silt Loam

Previous Crop: Corn

Row Width: 38 inches

Planting Population: 33,800

Planting Date: May 2, 2020

Harvest Date: September 9, 2020

Irrigation Type and Frequency: Furrow irrigated



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 V2TP	209	16.3	33,000	3	-
AgriGold 6659 V2TP	189	17.2	34,000	2	-
Armor 1575VT2P	186	16.9	33,000	2	-
Croplan 5370 VT2P	180	16.0	33,000	3	-
Dekalb DKC 66-18VT2P	192	16.1	33,000	2	-
Dyna-Gro 55VC80 VT2P	203	15.5	33,000	2	-
Dyna-Gro 58VC65 VT2P	204	16.7	32,000	2	-
Local Seed LC1577 VT2P	172	16.7	33,000	4	-
Local Seed LC1898 TC	186	16.8	32,000	3	-
Pioneer 1847 VYHR	180	18.8	34,000	7	-
Pioneer 2042 VYHR	183	18.6	32,000	6	-
Progeny PGY 8116 SS	147	17.3	33,000	6	-
Progeny PGY 9117 VT2P	166	17.8	32,000	5	-
Trial Mean	184	17.0	32,850	3.6	-

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.

Desha County II

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

Planting Date: May 5, 2020

Harvest Date: September 12, 2020

Irrigation Type and Frequency: Furrow irrigated 5 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 V2TP	251.4	17.8	32,100	1.5	59.9
AgriGold 6659 V2TP	243.0	19.1	31,300	1	59.7
Armor 1575 VT2P	223.7	19.4	32,000	1	59.5
Croplan 5370 VT2P	232.1	17.4	31,500	1	60.0
Dekalb DKC 66-18VT2P	221.1	20.1	30,900	1	59.3
Dyna-Gro 55VC80 VT2P	237.7	19.8	31,800	1.5	59.5
Dyna-Gro 58VC65 VT2P	234.8	18.1	31,100	1	59.9
Local Seed LC1577 VT2P	240.8	17.7	31,000	2	60.0
Local Seed LC1898 TC	269.7	19.5	30,100	1.5	59.7
Pioneer 1847 VYHR	261.6	21.8	31,400	7.0	58.6
Pioneer 2042 VYHR	234.4	21.8	29,600	2.5	59.0
Progeny PGY 8116 SS	217.4	20.4	29,700	1	59.4
Progeny PGY 9117 VT2P	249.4	19.4	32,100	1	59.6
Trial Mean	239.8	19.4	31,100	1.8	59.5

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.

Jefferson County

Grower: Felix Smart

County Agent: Kurt Beaty

Location of Field: Altheimer

GPS:

Soil Type: Silt Loam

Previous Crop: Soybeans

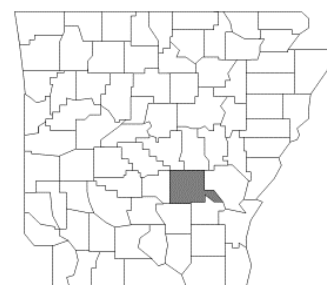
Row Width: 30 inches

Planting Population: 36,000

Planting Date: May 4, 2020

Harvest Date: September 11, 2020

Irrigation Type and Frequency: Furrow irrigated 4 times



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

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6544 V2TP	242.2	16.8	34,000	5.5	-
AgriGold 6659 V2TP	231.1	16.9	34,000	3	-
Armor 1575 VT2P	234.5	16.7	33,000	2	
Croplan 5370 VT2P	234.2	16.3	35,000	2	-
Dekalb DKC 66-18VT2P	233.0	16.4	36,000	2	-
Dyna-Gro 55VC80VT2P	--	--	--	--	-
Dyna-Gro 58VC65VT2P	--	--	--	--	-
Local Seed LC1577 VT2P	230.0	17.2	35,000	2.5	-
Local Seed LC1898 TC	254.6	16.3	31,000	2.5	-
Pioneer 1847 VYHR	249.7	18.4	32,000	3	-
Pioneer 2042 VYHR	237.3	18.3	34,000	3	-
Progeny PGY 8116 SS	213.2	16.8	36,000	2.5	-
Progeny PGY 9117 VT2P	206.8	17.6	35,000	3	-
Trial Mean	233.3	17.1	34,100	2.8	-

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 & Traits

Hybrid	Relative Maturity	Trait
AgriGold 6544VT2PRO	113	Genuity VT Double Pro
AgriGold 6659VT2PRO	116	Genuity VT Double Pro
Armor 1575VT2P	115	Genuity VT Double Pro
Croplan 5370VT2P	113	Genuity VT Double Pro
DeKalb DKC 65-99TRE	115	Genuity Trecepta
DeKalb DKC 66-18	116	Genuity VT Double Pro
Dyna-Gro 55VC80	115	Genuity VT Double Pro
Dyna-Gro 58VC65	118	Genuity VT Double Pro
Local Seed LC1577VT2P	115	Genuity VT Double Pro
Local Seed LC1898TC	118	Genuity Trecepta
Pioneer 1847VYHR	118	Optimum Leptra
Pioneer 2042VYHR	120	Optimum Leptra
Progeny PGY 8116SS	116	Genuity SmartStax
Progeny PGY 9114VT2P	114	Genuity VT Double Pro
Progeny PGY 9117VT2P	117	Genuity VT Double Pro

2020 Arkansas Corn Standardized Hybrid Trial Participants

Armor and Croplan Genetics

Winfield United Seed
2532 Alexander Dr.
Jonesboro, AR 72429

DeKalb

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

Local Seed

Local Seed Company
802 Rozelle Street
Memphis, TN 38104

Progeny

Progeny Ag Products
1529 Highway 193
Wynne, AR 72396

AgriGold

AgriGold Hybrids
5381 Akin Rd
St Francisville, IL 62460

Dyna-Gro

Nutrien Ag Solutions
3005 Rocky Mountain Drive
Loveland, CO 80538

Pioneer

Corteva Agriscience
7250 NW 62nd Ave
Johnston, IA 50131



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System