2017 Arkansas Corn Standardized County Hybrid Trials



U.S. Department of Agriculture and County Governments Cooperating

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Arkansas Corn Standardized County Hybrid Trials, 2017

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County	District	County Agent	Cooperator
Arkansas	Southeast	Grant Beckwith & Phil Horton	Trey Daniels
Ashley	Southeast	Kevin Norton	Keith Ladd
Conway	River Valley	Kevin VanPelt	3 Brothers Farm
Craighead	Northeast	Branon Thiesse & Chris Grimes	PGQ Farms
Crawford	River Valley	Matt Fryer	Matt Crabtree
Cross	Northeast	Rick Wimberley	Foothill Farms
Desha	Southeast	John David Farabough	William Palsa
Greene	Northeast	Allen Davis & Dave Freeze	Boling Farm
Jackson	Northeast	Matthew Davis	Newport Station
Lafayette	Southwest	Amanda Greer	Brent Brothers
Lawrence/Randolph	Northeast	Herb Ginn & Mike Andrews	Ronald Cavenaugh
Lee	Central	Stan Baker	Roger Smith
Lincoln	Southeast	Steven Stone	John Freeman
Logan	River Valley	Bob Harper	Kenny Schluterman
Lonoke	Central	Keith Perkins & Jenny Ross	Scott Mitchell
Perry	River Valley	Kevin Lawson	Joe Thrash
Phillips/Monroe	Southeast	Robert Goodson	Shawn Bennett
Poinsett	Northeast	Craig Allen & Justin Chlapecka	James Wray
St. Francis	Central	Cody Griffin	Chris Roberts
White	Central	Brett Gordon	Keith Feather
Woodruff	Central	Richard Klerk	Perry Galloway
Yell	River Valley	Bob Powell	Chris Manns

Special thanks to the Industry Representatives that supplied the seed:

Company	Representative
AgriGold Hybrids	Chad Coleman
Armor	Jeff Pangle
DeKalb	Chet Chaney
Delta Grow	Lee Hughes
Crop Production Services (Dyna-Gro)	Stacey Bruff
Terral Seed Inc.	Paul Sumner

INTRODUCTION

The 2017 growing season was the tenth year for the Corn Standardized County Hybrid Trial Program. The program's goal is to increase knowledge on selected hybrids that are being evaluated in the University of Arkansas Corn Hybrid testing program (www.arkansasvarietytesting.com). 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 five districts and within each district hybrids entered were consistent. Districts included the Northeast, Central, Southeast, River Valley and 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 irrigated with the exception of Logan County in the River Valley and all hybrids were glyphosate tolerant. Relative maturity of hybrids entered ranged from 114 to 118 days. A full list of hybrids entered along with relative maturity and traits can be found on page 32. 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 six 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.

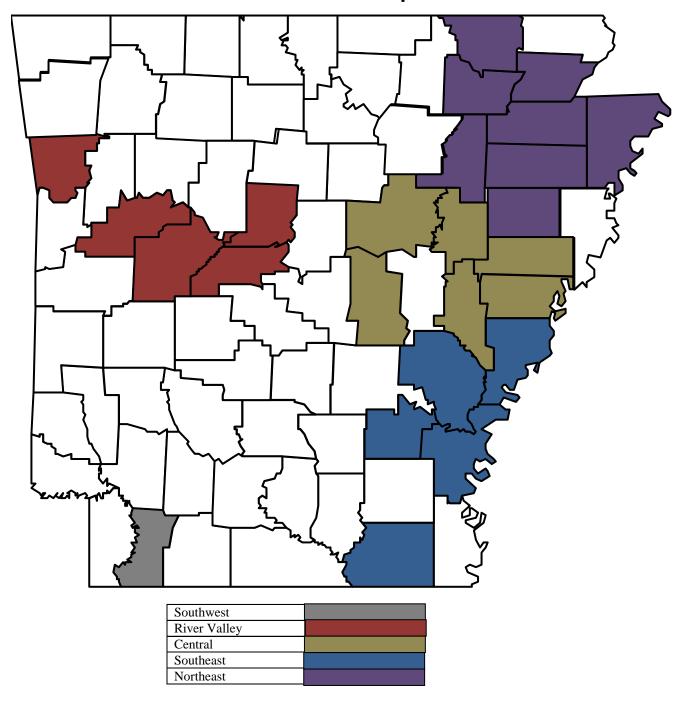
In 2017, 23 trials were harvested and results reported. Planting dates ranged from March 22 to May 8 with an average planting date of April 9. Planting rates ranged from 28,000 to 40,000 seeds per acre with an average of 34,000. Harvest dates ranged from August 25 to October 26 with an average harvest date of September 12.

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 addresses:

Cooperative Extension Service Corn Webpage - www.uaex.edu/corn

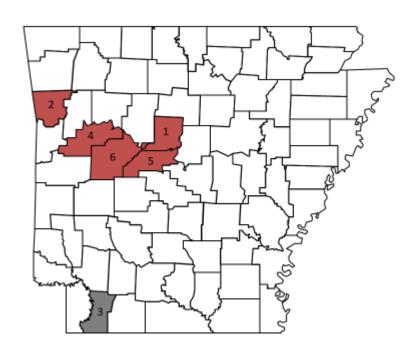
Arkansas Corn Standardized County Hybrid Trials District Map



River Valley and Southwest Districts Summary

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

	bushels per acre						
Hybrid	Conway	Crawford	Lafayette	Logan*	Perry	Yell	Hybrid Average
Armor 1500 PRO	175	150	229	152	168	183	186
Armor 1717 PRO	206	178	207	212	195	206	191
DeKalb 64-35GENVT2P	213	181	243	223	193	204	210
DeKalb 68-26GENVT2P	195	182	234	237	204	203	209
Dyna-Gro D57VP51	221	190	230	215	209	198	210
Dyna-Gro D58VC37	217	190	239	227	207	222	217
Terral REV 25BHR26	206	167	231	229	192	193	203
Terral REV 2818AM	194	177	215	214	192	193	198
County Average	203	177	228	214	195	200	203



1 - Conway County

2 - Crawford County

3 - Lafayette County

4 - Logan County

5 - Perry County

6 - Yell County

Conway County

Grower: 3 Brothers Farms County Agent: Kevin VanPelt

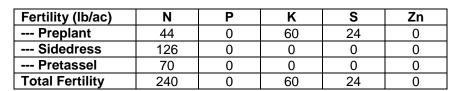
Location of Field: South of Plummerville **GPS:** N 35° 07.383 W 92° 38.167

Soil Type: Roxana Silt Loam Previous Crop: Soybeans

Row Width: 30 inches Planting Population: 33,000

Planting Date: April 8, 2017 Harvest Date: September 13, 2017

Irrigation Type and Frequency: Irrigated 3 times



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	175	15.5	28,000	1	60.1
Armor 1717 PRO	206	15.5	31,000	1	60.2
DeKalb 64-35GENVT2P	213	15.5	31,500	1	61.5
DeKalb 68-26GENVT2P	195	16.6	30,500	1	57.6
Dyna-Gro D57VP51	221	15.7	32,500	1	60.4
Dyna-Gro D58VC37	217	16.1	32,000	1	60.1
Terral REV 25BHR26	206	15.9	31,500	1	60.1
Terral REV 2818AM	194	17.1	30,500	1	59.2
County Average	203	16.0	30,937	1	59.9

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.

Crawford County

Grower: Matt Crabtree County Agent: Matt Fryer

Location of Field: Van Buren **GPS:** N 33° 36.623 W 94° 28.742

Soil Type: Silt Loam Previous Crop: Corn

Row Width: 30 inches Planting Population: 29,000

Planting Date: April 8, 2017 Harvest Date: September 20, 2017

Irrigation Type and Frequency: Pivot irrigated 4 times

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	46	0	60	0	0
Sidedress	83	0	0	35	0
Pretassel	92	0	0	17	0
Total Fertility	221	0	60	52	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	150	11.8	22,651	1	
Armor 1717 PRO	178	12.0	22,651	1	
DeKalb 64-35GENVT2P	181	12.0	22,651	1	
DeKalb 68-26GENVT2P	182	12.2	22,651	1	
Dyna-Gro D57VP51	190	11.7	22,651	1	
Dyna-Gro D58VC37	190	12.0	22,651	1	
Terral REV 25BHR26	167	12.5	22,651	1	
Terral REV 2818AM	177	11.9	22,651	1	
County Average	177	12.0	22,651	1	

¹ Yield is adjusted to 15.5% moisture.



² Plant Stand is given as plants per acre.

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

Lafayette County

Grower: Brent Brothers County Agent: Amanda Greer

Location of Field: Spirit Lake **GPS:** N 33° 30.154 W 93° 65.971

Soil Type: Rilla Silt Loam Previous Crop: Corn

Row Width: 30 inches Planting Population: 34,000

Planting Date: March 24, 2017 Harvest Date: September 12, 2017

Irrigation Type and Frequency: Furrow irrigated 2 times

Fertility (lb/ac)	N	D	V	6	Zn
	IN	Г	r.	3	Z II
Preplant	7	23	0	0	0
Sidedress	178	0	0	0	0
Pretassel	0	0	0	0	0
Total Fertility	185	23	0	0	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	229	13.7	34,500	1	58.4
Armor 1717 PRO	207	13.5	31,000	1	59.1
DeKalb 64-35GENVT2P	243	13.4	36,500	1	60.2
DeKalb 68-26GENVT2P	234	13.3	35,500	1	58.8
Dyna-Gro D57VP51	230	13.7	36,500	1	58.0
Dyna-Gro D58VC37	239	13.6	34,000	1	58.6
Terral REV 25BHR26	231	13.7	35,500	1	59.2
Terral REV 2818AM	215	13.6	35,500	1	60.4
County Average	228	13.6	34,875	1	59.1

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.

Logan County

Grower: Mike & Kenny Schluterman County Agent: Bob Harper

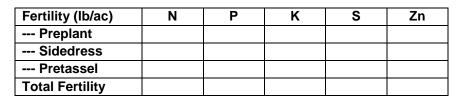
Location of Field: Paris Bottoms **GPS:** N 35° 22.566 W 93° 40.0591

Soil Type: Roxana Silt Loam Previous Crop: Soybeans

Row Width: 38 inches Planting Population: 28,000

Planting Date: March 22, 2017 Harvest Date: September 13, 2017

Irrigation Type and Frequency: Non-Irrigated



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	152	12.8	22,750	1	56
Armor 1717 PRO	212	13.8	21,000	1	58
DeKalb 64-35GENVT2P	223	13.3	22,250	2	57
DeKalb 68-26GENVT2P	237	12.8	26,500	4	56
Dyna-Gro D57VP51	215	12.7	26,250	2	56
Dyna-Gro D58VC37	227	13.0	26,250	4	57
Terral REV 25BHR26	229	13.3	28,000	5	57
Terral REV 2818AM	214	13.4	23,250	4	57
County Average	214	13.1	24,531	2.9	56.8

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.

Perry County

Grower: Joe Thrash County Agent: Kevin Lawson

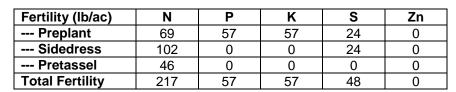
Location of Field: Lollie Bottoms **GPS:** N 34° 59.837 W 92° 33.724

Soil Type: Moreland Silt Loam Previous Crop: Soybeans

Row Width: 30 inches Planting Population: 36,000

Planting Date: April 25, 2017 Harvest Date: September 11, 2017

Irrigation Type and Frequency: Pivot irrigated 1 time



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	168	15.6	31,500	1	58.8
Armor 1717 PRO	195	15.3	34,500	1	58.9
DeKalb 64-35GENVT2P	193	17.4	36,000	1	58.6
DeKalb 68-26GENVT2P	204	15.8	35,000	1	58.2
Dyna-Gro D57VP51	209	16.4	33,500	1	58.0
Dyna-Gro D58VC37	207	15.4	35,500	1	59.2
Terral REV 25BHR26	192	14.5	35,000	1	59.3
Terral REV 2818AM	192	15.5	31,000	1	57.5
County Average	195	15.7	34,000	1	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.

Yell County

Grower: Chris Manns County Agent: Bob Powell

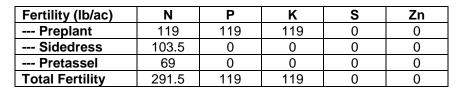
Location of Field: Cotton Town **GPS:** N 35° 07.164 W 93° 01.991

Soil Type: Dardanelle Silt Loam Previous Crop: Soybeans

Row Width: 30 inches Planting Population: 32,000

Planting Date: April 12, 2017 Harvest Date: September 5, 2017

Irrigation Type and Frequency:



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	183	15.0	31,000	1	61.3
Armor 1717 PRO	206	15.9	32,000	1	59.4
DeKalb 64-35GENVT2P	204	14.9	33,000	1	62.6
DeKalb 68-26GENVT2P	203	14.9	33,000	1	60.4
Dyna-Gro D57VP51	198	15.7	32,000	1	59.8
Dyna-Gro D58VC37	222	15.9	34,000	1	58.5
Terral REV 25BHR26	193	14.9	33,000	1	61.8
Terral REV 2818AM	194	15.9	29,000	1	60.5
County Average	200	15.4	32,125	1	60.5

¹ Yield is adjusted to 15.5% moisture.



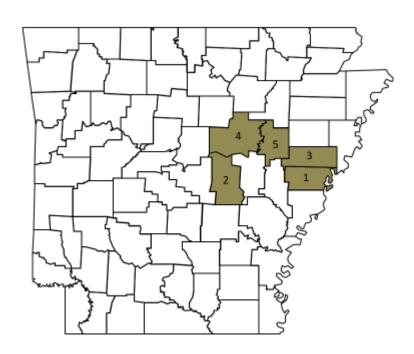
² Final Plant Population is given as plants per acre.

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

Central District Summary

The Central District had five trials. The following table is a summary of the hybrids across this district.

						Hybrid
Hybrid	Lee	Lonoke	St. Francis	White	Woodruff	Average
Armor 1500 PRO	218	220	227	195	241	220
Armor 1717 PRO	221	247	249	207	287	242
DeKalb 64-35GENVT2P	248	269	257	218	294	257
DeKalb 68-26GENVT2P	232	243	248	223	278	245
Delta Grow 2888 GTCBLL	207	247	240	182	278	231
Delta Grow 3660 GTCBLL	180	213	232	203	240	214
Dyna-Gro D57VP51	215	254	263	198	299	246
Dyna-Gro D58VC37	217	272	254	211	312	253
Terral REV 25BHR26	230	217	245	198	279	234
Terral REV 2818AM	215	254	243	208	287	241
County Average	218	244	246	204	279	238



1 – Lee County 2 – Lonoke County 3 – St. Francis

4 – White County 5 – Woodruff County

Lee County

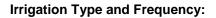
Grower: Roger Smith County Agent: Stan Baker

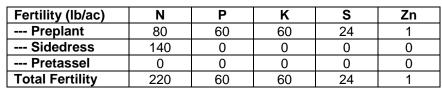
Location of Field: Garrett Grove GPS:

Soil Type: Henry Silt Loam Previous Crop: Soybeans

Row Width: 38 inches Planting Population: 34,500

Planting Date: April 1, 2017 Harvest Date: September 11, 2017





Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	218	14.3	30,500	1	60.8
Armor 1717 PRO	221	14.3	32,500	1	61.5
DeKalb 64-35GENVT2P	248	13.4	34,500	1	61.6
DeKalb 68-26GENVT2P	232	14.4	33,000	1	60.5
Delta Grow 2888 GTCBLL	207	15.0	32,500	1	60.3
Delta Grow 3660 GTCBLL	180	15.3	35,000	1	60.8
Dyna-Gro D57VP51	215	14.7	33,500	1	60.1
Dyna-Gro D58VC37	217	15.0	33,000	1	61.2
Terral REV 25BHR26	230	14.2	36,000	1	61.4
Terral REV 2818AM	215	15.0	31,000	1	61.7
County Average	218	14.6	33,150	1	61.1

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.

Lonoke County

Grower: Scott Mitchell County Agent: Keith Perkins &

Jenny Ross

Location of Field: Lonoke **GPS:** N 34° 51.058 W 91° 53.753

Soil Type: Stuttgart Silt Loam Previous Crop: Soybeans

Row Width: 30 inches Planting Population: 35,000

Planting Date: April 14, 2017 Harvest Date: September 18, 2017

Irrigation Type and Frequency: Furrow irrigated

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	75	60	100	0	0
Sidedress	124	0	0	0	0
Pretassel	46	0	0	0	0
Total Fertility	245	60	100	0	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	220	15.5	34,000	1	
Armor 1717 PRO	247	13.3	31,500	1	
DeKalb 64-35GENVT2P	269	13.5	36,000	1	
DeKalb 68-26GENVT2P	244	14.9	34,000	1	
Delta Grow 2888 GTCBLL	247	14.1	34,000	1	
Delta Grow 3660 GTCBLL	213	14.4	34,000	1	
Dyna-Gro D57VP51	254	15.9	35,000	1	
Dyna-Gro D58VC37	272	12.5	34,500	1	
Terral REV 25BHR26	217	13.5	34,500	1	
Terral REV 2818AM	254	13.4	30,500	1	
County Average	244	14.1	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.

St. Francis County

Grower: Chris Roberts County Agent: Cody Griffin

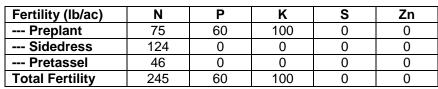
Location of Field: Shell Lake GPS: N 35° 13.629 W 90° 56.522

Soil Type: Stuttgart Silt Loam Previous Crop: Soybeans

Row Width: 30 inches Planting Population: 35,000

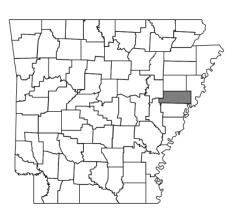
Planting Date: April 7, 2017 Harvest Date: September 16, 2017

Irrigation Type and Frequency:



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	227	14.9	34,000	1	58.6
Armor 1717 PRO	249	14.1	32,000	1	59.7
DeKalb 64-35GENVT2P	257	13.8	35,000	1	60.9
DeKalb 68-26GENVT2P	248	14.2	36,000	1	56.4
Delta Grow 2888 GTCBLL	240	15.1	34,000	1	59.6
Delta Grow 3660 GTCBLL	232	15.9	35,000	1	58.9
Dyna-Gro D57VP51	263	14.8	35,000	1	59.8
Dyna-Gro D58VC37	254	14.4	33,000	1	59.7
Terral REV 23BHR55	245	14.2	35,000	1	60.6
Terral REV 2818AM	243	15.3	34,000	1	58.8
County Average	246	14.7	34,300	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.

White County

Grower: Keith Feather County Agent: Brett Gordon

Location of Field: Griffithville GPS: N 35° 05.973 W 91° 38.049

Soil Type: Calhoun Silt Loam Previous Crop: Soybeans

Row Width: 30 inches Planting Population: 36,000

Planting Date: April 7, 2017 Harvest Date: August 25, 2017

Irrigation Type and Frequency: Furrow irrigated 5 times

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	50	80	100	24	0
Sidedress	142	0	0	0	1
Pretassel	46	0	0	0	0
Total Fertility	238	80	100	24	1

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	195	17.2	35,000	3	59.3
Armor 1717 PRO	207	17.4	33,000	4	59.0
DeKalb 64-35GENVT2P	218	15.8	35,000	1	61.1
DeKalb 68-26GENVT2P	223	17.0	33,500	1	59.4
Delta Grow 2888 GTCBLL	182	17.2	34,500	8.5	57.4
Delta Grow 3660 GTCBLL	203	19.0	33,500	1	57.4
Dyna-Gro D57VP51	198	17.1	35,000	4	58.1
Dyna-Gro D58VC37	211	17.3	34,000	5	58.7
Terral REV 25BHR26	198	15.5	35,000	3	60.2
Terral REV 2818AM	208	18.3	33,500	1	60.6
County Average	204	17.2	34,200	3.2	59.1

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.

Woodruff County

Grower: Perry Galloway County Agent: Richard Klerk

Location of Field: Revel **GPS:** N 35° 13.580 W 91° 16.520

Soil Type: Teksob Loam Previous Crop: Soybeans

Row Width: 38 inch twin **Planting Population:** 34,500

Planting Date: April 18, 2016 Harvest Date: September 16, 2016

Irrigation Type and Frequency: Irrigated 3 times

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	100	120	120	0	0
Sidedress	190	0	0	32	2
Pretassel	50	0	0	8	0
Total Fertility	340	120	120	40	2

Hybrid	Adjusted Yield bu/ac 1	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
Armor 1500 PRO	241	18.0	31,500	1	59.1
Armor 1717 PRO	287	18.6	33,000	1	58.5
DeKalb 64-35GENVT2P	294	18.4	37,500	1	59.1
DeKalb 68-26GENVT2P	278	18.6	36,000	1	57.4
Delta Grow 3660 GTCBLL	278	18.5	33,500	1	58.5
Delta Grow 3660 GTCBLL	240	19.4	30,500	1	57.3
Dyna-Gro D57VP51	299	18.5	35,500	1	58.0
Dyna-Gro D58VC37	312	18.7	35,500	1	55.1
Terral REV 2818AM	279	17.9	35,000	1	57.9
Terral REV 2818AM	287	19.5	30,500	1	56.0
County Average	279	18.6	33,850	1	57.7

¹ Yield is adjusted to 15.5% moisture.



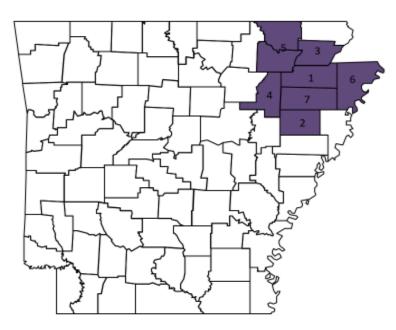
² Final Plant Population is given as plants per acre.

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

Northeast District Summary

The Northeast District had seven trials. The following table is a summary of the hybrids across this district.

Hybrid	Craighead	Cross	Greene	Jackson	Lawrence/ Randolph	Mississippi	Poinsett	Hybrid Average
AgriGold	3							
6659VT2RIB	255	218	310	162	251	170	136	215
AgriGold								
6711VT2PRO	261	259	312	168	233	210	260	243
Armor								
1500 PRO	230	226	239	149	230	171	161	201
Armor								
1717 PRO	257	239	254	168	229	196	253	228
DeKalb								
64-35GENVT2P	262		223	164	223	189	264	221
DeKalb								
68-26GENVT2P	240	245	298	181	242	208	277	242
Delta Grow 2888								
GTCBLL	242	239	320	143	227	194	243	230
Delta Grow 3660								
GTCBLL	220	204	231	141	180	179	241	199
Dyna-Gro								
D57VP51	258	250	310	169	215	200	130	219
Dyna-Gro								
D58VC37	254	243	310	166	242	205	230	236
Terral REV								
25BHR26	257	227	297	162	247	213	269	239
Terral REV								
2818AM	249	241	312	156	208	221	270	237
County								
Average	249	236	285	161	228	196	228	226



- 1 Craighead County
- 2 Cross County
- 3 Greene County 4 Jackson County

- 5 Lawrence/Randolph
- 6 Mississippi County
- 7 Poinsett County

Craighead County

Grower: PGQ Farms County Agent: Branon Thiesse &

Chris Grimes

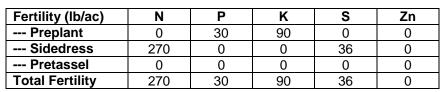
Location of Field: HWY 135 **GPS:** N 35° 85.480 W 90° 46.370

Soil Type: Dundee Sandy Loam Previous Crop: Soybeans

Row Width: 38 inches Planting Population: 34,000

Planting Date: April 7, 2017 Harvest Date: September 11, 2017

Irrigation Type and Frequency: Furrow irrigated 10 times



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6659VT2RIB	255	17.3	33,000	1	57.3
AgriGold 6711VT2PRO	261	16.3	33,000	1	62.1
Armor 1500 PRO	230	16.6	32,000	1	61.6
Armor 1717 PRO	257	16.1	29,500	1	63.0
DeKalb 64-35GENVT2P	262	14.7	32,000	1	63.2
DeKalb 68-26GENVT2P	240	15.5	31,500	1	61.0
Delta Grow 2888 GTCBLL	242	16.3	28,500	1	59.9
Delta Grow 3660 GTCBLL	220	17.7	30,000	1	59.9
Dyna-Gro D57VP51	258	16.1	32,500	1	60.9
Dyna-Gro D58VC37	254	16.5	30,000	1	61.5
Terral REV 23BHR55	257	15.2	32,500	1	63.0
Terral REV 2818AM	249	17.4	32,000	1	62.2
County Average	249	16.3	31,375	1	61.3

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.

Cross County

Grower: Foothill Farms County Agent: Rick Wimberley

Location of Field: Wynne **GPS:** N 35° 14.233 W 90° 49.035

Soil Type: Henry Silt Loam Previous Crop: Soybeans

Row Width: 38 inches Planting Population: 36,000

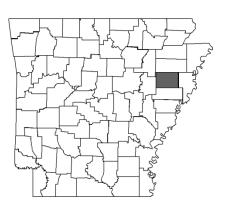
Planting Date: April 10, 2017 Harvest Date: September 3, 2017

Irrigation Type and Frequency: Furrow irrigated

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	48	46	60	10	0
Sidedress	157	0	0	28	0
Pretassel	45	0	0	0	0
Total Fertility	250	46	60	38	0

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu			
AgriGold 6659VT2RIB	218	15.9	36,000	1	61.3			
AgriGold 6711VT2PRO	259	15.7	33,000	1	58.5			
Armor 1500 PRO	226	14.7	33,000	1	61.5			
Armor 1717 PRO	239	17.1	33,500	1	55.0			
DeKalb 64-35GENVT2P*								
DeKalb 68-26GENVT2P	245	14.7	34,500	1	60.8			
Delta Grow 2888 GTCBLL	239	15.5	34,500	1	61.3			
Delta Grow 3660 GTCBLL	204	16.4	36,000	1	57.7			
Dyna-Gro D57VP51	250	15.6	34,500	1	63.0			
Dyna-Gro D58VC37	243	14.6	36,000	1	62.6			
Terral REV 23BHR55	227	14.3	36,000	1	64.6			
Terral REV 2818AM*	241	15.2	30,000	1	61.1			
County Average	236	15.43	34,273	1	60.7			
Note:	*Hybrid inadvertently not included in trial.							

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: Boling Farm County Agent: Dave Freeze &

Allen Davis

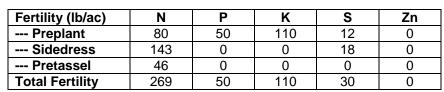
Location of Field: Schugtown **GPS:** N 35° 96.844 W 90° 44.057

Soil Type: Dundee Fine Sandy Loam Previous Crop: Soybean

Row Width: 30 inches Planting Population: 36,000

Planting Date: April 7, 2017 Harvest Date: August 30, 2017

Irrigation Type and Frequency: Furrow irrigated 5 times



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6659VT2RIB	310	18.9	36000	1	55.3
AgriGold 6711VT2PRO	312	19.7	36000	2	51.2
Armor 1500 PRO	239	19.3	33000	1	53.3
Armor 1717 PRO	254	19.6	33000	3	53.4
DeKalb 64-35GENVT2P	223	18.1	38000	2	58.3
DeKalb 68-26GENVT2P	298	20.1	35000	1	53.3
Delta Grow 2888 GTCBLL	320	19.4	33000	1	54.9
Delta Grow 3660 GTCBLL	231	19.8	35000	3	56.5
Dyna-Gro D57VP51	310	19.1	35000	1	55.9
Dyna-Gro D58VC37	310	20.8	36000	4	54.3
Terral REV 23BHR55	297	19.2	36000	1	47.8
Terral REV 2818AM	312	20.2	31000	2	49.1
County Average	285	19.5	34,750	1.8	53.6

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.

Jackson County

Grower: Newport R&EC County Agent: Matthew Davis

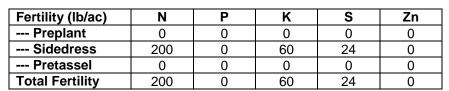
Location of Field: Newport GPS:

Soil Type: Beulah Fine Sandy Loam Previous Crop: Corn

Row Width: 30 inches Planting Population: 34,000

Planting Date: April 12, 2017 Harvest Date: September 11, 2017

Irrigation Type and Frequency: Furrow irrigated 3 times



Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6659VT2RIB	162	14.4	36,000	3	58.5
AgriGold 6711VT2PRO	168	15.6	36,000	3	59.6
Armor 1500 PRO	149	15.0	35,000	1	56.7
Armor 1717 PRO	168	15.0	36,000	5	62.3
DeKalb 64-35GENVT2P	164	14.2	38,000	2	59.2
DeKalb 68-26GENVT2P	181	14.5	36,000	2	58.7
Delta Grow 2888 GTCBLL	143	15.7	38,000	5	59.7
Delta Grow 3660 GTCBLL	141	15.9	35,000	2	58.9
Dyna-Gro D57VP51	169	15.1	36,000	3	60.1
Dyna-Gro D58VC37	166	15.1	34,000	3	58.5
Terral REV 25BHR26	162	14.0	30,000	2	61.4
Terral REV 2818AM	156	16.5	31,000	4	59.6
County Average	161	15.1	35,083	2.9	59.4

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.

Lawrence/Randolph County

Grower: Ronald Cavenaugh County Agent: Herb Ginn &

Mike Andrews

Location of Field: S. of Walnut Ridge **GPS:** N 36° 11.235 W 90° 93.665

Soil Type: Dundee Silt Loam Previous Crop: Soybeans

Row Width: 30 inches Planting Population: 32,000

Planting Date: April 20, 2017 Harvest Date: September 12, 2017

Irrigation Type and Frequency: Furrow irrigated

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	40	60	90	0	2
Sidedress	120	0	0	0	0
Pretassel	45	0	0	0	0
Total Fertility	205	60	90	0	2

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6659VT2RIB	251	17.2	33,000	1	57.1
AgriGold 6711VT2PRO	233	17.9	60,000*	1	57.0
Armor 1500 PRO	230	16.9	32,000	1	58.3
Armor 1717 PRO	229	17.1	34,000	2	57.5
DeKalb 64-35GENVT2P	223	18.5	60,000*	6	57.0
DeKalb 68-26GENVT2P	242	18.3	32,000	1	57.4
Delta Grow 2888 GTCBLL	227	18.9	30,000	4	58.0
Delta Grow 3660 GTCBLL	180	16.9	31,000	1	56.7
Dyna-Gro D57VP51	215	17.1	33,000	1	52.1
Dyna-Gro D58VC37	242	16.7	34,000	5	57.7
Terral REV 23BHR55	247	16.8	35,000	1	56.9
Terral REV 2818AM	208	17.4	30,000	1	56.8
County Average	228	17.5	37,750	2.1	56.9

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.

^{*}Planter malfunction on AgriGold 6711VT2PRO, and DeKalb 64-35GENVT2P led to very high stand counts.

Mississippi County

Grower: Jason Bennett County Agent: Shawn Lancaster

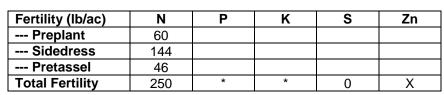
Location of Field: Mississippi Co. **GPS:** N 35° 32.409 W 90° 94.198

Soil Type: Dundee Silt Loam Previous Crop: Soybean

Row Width: 38 inches Planting Population: 33,500

Planting Date: May 8, 2017 Harvest Date: October 26, 2017

Irrigation Type and Frequency: Furrow irrigated 5 times

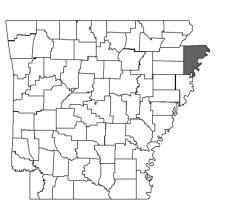


Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6659VT2RIB	170	14.1	29,000	1	
AgriGold 6711VT2PRO	210	14.1	31,000	1	
Armor 1500 PRO	171	14.1	29,000	1	
Armor 1717 PRO	196	14.1	29,000	1	
DeKalb 64-35GENVT2P	189	14.1	32,000	1	
DeKalb 68-26GENVT2P	208	14.1	36,000	1	
Delta Grow 2888 GTCBLL	194	14.1	36,000	1	
Delta Grow 3660 GTCBLL	179	14.1	33,000	1	
Dyna-Gro D57VP51	200	14.1	29,000	1	
Dyna-Gro D58VC37	205	14.1	33,000	3	
Terral REV 23BHR55	213	14.1	31,000	1	
Terral REV 2818AM	221	14.1	30,000	1	
County Average	196	14.1	31,500	1.2	

¹ Yield is adjusted to 15.5% moisture.

Variable Rate *

In-furrow X



² Final Plant Population is given as plants per acre.

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

Poinsett County

Soil Type: Falaya Silt Loam

Grower: James Wray

County Agent: Craig Allen &

Justin Chlapecka

Location of Field: Bay Village **GPS:** N 35° 50.388 W 90° 65.865

Previous Crop: Soybeans

Row Width: 38 inches Planting Population: 38,000

Planting Date: April 5, 2017 Harvest Date: September 7, 2017

Irrigation Type and Frequency: Furrow irrigated 6 times

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	44	60	90	7	0
Sidedress	159	13	1	28	0.3
Pretassel	46	0	0	0	0
Total Fertility	249	73	91	35	0.3

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6659VT2RIB	136	16.6	36,000	7	59.5
AgriGold 6711VT2PRO	260	19.7	40,000	1	58.9
Armor 1500 PRO	161	16.7	18,000*	1	61.2
Armor 1717 PRO	253	16.3	35,500	1	61.6
DeKalb 64-35GENVT2P	264	16.9	38,500	1	59.6
DeKalb 68-26GENVT2P	277	14.7	33,500	1	63.4
Delta Grow 2888 GTCBLL	243	17.5	36,000	1	60.0
Delta Grow 3660 GTCBLL	241	19.7	36,500	1	57.3
Dyna-Gro D57VP51	130	15.6	40,500	6	60.1
Dyna-Gro D58VC37	230	16.6	24,000*	1	60.3
Terral REV 23BHR55	269	16.1	36,500	1	61.8
Terral REV 2818AM	270	18.3	36,000	1	58.9
County Average	228	17.1	34,250	1.9	60.2

¹ Yield is adjusted to 15.5% moisture.



² Final Plant Population is given as plants per acre.

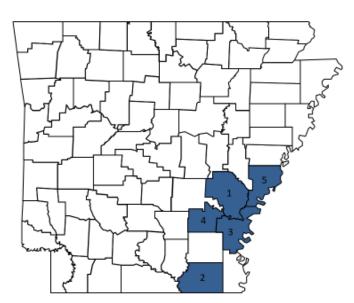
³ Lodging Score – 1 is no lodging, 10 is completely lodged. Lodging of AgriGold 6659 and Dyna-Gro 57VP51 occurred mid-season

^{*}Armor 1500PRO and Dyna-Gro D57VP51 had reduced plant populations that likely impacted yield

Southeast District Summary

The Southeast District had five trials. The following table is a summary of the hybrids across this district.

	bushels per acre							
Hybrid	Arkansas	Ashley	Desha	Lincoln	Phillips	Hybrid Average		
AgriGold 6659VT2RIB	292	238	258	206	180	235		
AgriGold 6711VT2PRO	265	217	288	195	162	225		
Armor 1500 PRO	247	201	298	165	169	216		
Armor 1717 PRO	280	210	303	192	179	233		
DeKalb 64-35GENVT2P	291	229	261	209	189	236		
DeKalb 68-26GENVT2P	274	211	257	204	196	228		
Delta Grow 2888 GTCBLL	256	190	297	161	157	212		
Delta Grow 3660 GTCBLL	264	163	289	168	146	206		
Dyna-Gro D57VP51	252	191	290	204	162	220		
Dyna-Gro D58VC37	264	219	272	197	176	226		
Terral REV 25BHR26	251	221	291	159	167	218		
Terral REV 2818AM	280	218	309	187	171	233		
County Average	268	209	284	187	171	224		



1 - Arkansas County

2 -Ashley County

3 - Desha County

4 - Lincoln County

5 - Phillips County

Arkansas County

Grower: Trey Daniels

Soil Type: Herbert Silt Loam

County Agent: Grant Beckwith & Phil Horton

GPS:

Location of Field: Near Humphrey

Previous Crop: Soybeans

Row Width: Twin row 60" beds

Planting Population: 36,000

Planting Date: April 10, 2017

Harvest Date: September 15, 2017

Irrigation Type and Frequency: Furrow irrigated 6 times

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	57	92	120	24	10
Sidedress	112	0	0	0	0
Pretassel	46	0	0	0	0
Total Fertility	215	92	120	24	10

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu
AgriGold 6659VT2RIB	292	14.3	35,500	2	
AgriGold 6711VT2PRO	265	14.8	35,500	2	
Armor 1500 PRO	247	14.6	32,500	2	
Armor 1717 PRO	280	13.9	34,000	1	
DeKalb 64-35 GENVT2P	291	14.6	36,500	1	
DeKalb 68-26 GENVT2P	274	13.4	36,500	2	
Delta Grow 2888 GTCBLL	256	14.4	33,500	4	
Delta Grow 3660	264	15.5	35,000	2	
Dyna-Gro D57VP51	252	14.5	34,000	2	
Dyna-Gro D58VC37	264	14.6	34,000	2	
Terral REV 25BHR26	251	15.5	30,000	2	
Terral REV 2818AM	280	14.3	35,500	2	
County Average	268	14.5	34,375	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.

Ashley County

Grower: Keith Ladd County Agent: Kevin Norton

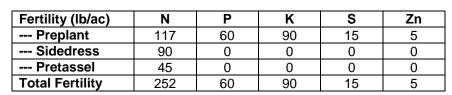
Location of Field: Mist GPS: N 33° 2168 W 91° 6827

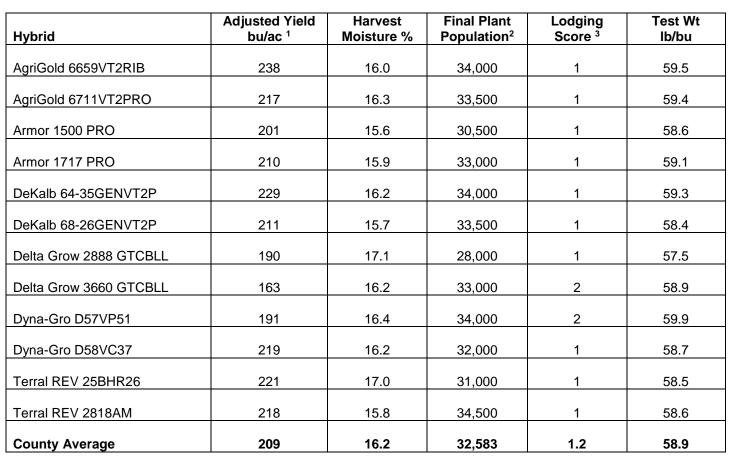
Soil Type: Calhoun Silt Loam Previous Crop: Soybeans

Row Width: 38 inches Planting Population: 35,000

Planting Date: March 27, 2017 Harvest Date: September 5, 2017

Irrigation Type and Frequency: Furrow irrigated 2 times





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, Lodging ratings on Dyna-Gro 57VP51 and Delta Grow 2888 was bear and hog damage.

Desha County

Grower: Eddie Palsa County Agent: John D. Farabough

Location of Field: Near Rohwer **GPS:** N 33° 48.162 W 91° 23.574

Soil Type: Hebert Silt Loam Previous Crop: Soybeans

Row Width: 38 inches Planting Population: 34,000

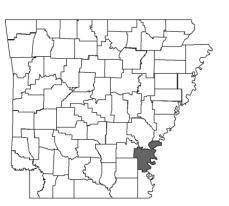
Planting Date: April 8, 2017 Harvest Date: September 18, 2017

Irrigation Type and Frequency: Furrow irrigated 6 times

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	75	60	100	0	10
Sidedress	124	0	0	0	0
Pretassel	46	0	0	0	0
Total Fertility	245	60	100	0	10

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	
AgriGold 6659VT2RIB	258	12.1	32,500	1		
AgriGold 6711VT2PRO	288	12.7	32,000	1		
Armor 1500 PRO	298	12.4	30,000	1		
Armor 1717 PRO	303	12.7	32,500	1		
DeKalb 64-35GENVT2P	261	12.4	32,500	1		
DeKalb 68-26GENVT2P	257	11.9	32,000	1		
Delta Grow 3660 GTCBLL	297	12.2	30,000	1		
Delta Grow 3660	289	12.5	31,500	1		
Dyna-Gro D57VP51	290	12.6	32,500	1		
Dyna-Gro D58VC37	272	12.2	31,500	1		
Terral REV 25BHR26	291	12.3	30,000	1		
Terral REV 2818AM	309	12.2	32,500	1		
County Average	284	12.4	31,625	1		

¹ Yield is adjusted to 15.5% moisture.



² Plant Stand is given as plants per acre.

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

Lincoln County

Grower: John Freeman County Agent: Steven Stone

Location of Field: Avery GPS:

Soil Type: Silt Loam Previous Crop: Soybean

Row Width: 30 inches Planting Population: 34,000

Planting Date: April 7, 2017 Harvest Date: September 5, 2017

Irrigation Type and Frequency: Furrow irrigated

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	60	50	140	0	10
Sidedress	156	0	0	21	0
Pretassel	45	0	0	0	0
Total Fertility	261	50	140	21	10

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	
AgriGold 6659VT2RIB	206	58.8	29,500	2	58.8	
AgriGold 6711VT2PRO	195	59.5	31,500	5	59.5	
Armor 1500 PRO	165	59.0	31,000	1	59	
Armor 1717 PRO	192	58.2	30,000	4	58.2	
DeKalb 64-35GENVT2P	209	60.2	32,000	1	60.2	
DeKalb 68-26GENVT2P	204	59.2	33,000	1	59.2	
Delta Grow 2888 GTCBLL	161	56.6	32,500	3	56.6	
Delta Grow 3660 GTCBLL	168	58.4	32,000	1	58.4	
Dyna-Gro D57VP51	204	58.9	29,500	3	58.9	
Dyna-Gro D58VC37	197	60.1	32,000	3	60.1	
Terral REV 25BHR26	159	59.3	30,000	1	59.3	
Terral REV 2818AM	187	59.8	31,500	2	59.8	
County Average	187	59.0	31,208	2.3	59.0	

¹ Yield is adjusted to 15.5% moisture.



² Plant Stand is given as plants per acre.

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

Phillips County

Grower: Shawn Bennett

County Agent: Robert Goodson

Location of Field: Bethlehem Rd

GPS: N 34° 41.950 W 91° 10.685

Soil Type: Memphis Silt Loam

Previous Crop: Soybeans

Row Width: 38 inches

Planting Population: 34,000

Planting Date: April 10, 2017

Harvest Date: September 10, 2017



Irrigation Type and Frequency:

Fertility (lb/ac)	N	Р	K	S	Zn
Preplant	0	30	90	0	10
Sidedress	175	0	0	0	0
Pretassel	45	0	0	0	0
Total Fertility	220	30	90	0	10

Hybrid	Adjusted Yield bu/ac ¹	Harvest Moisture %	Final Plant Population ²	Lodging Score ³	Test Wt lb/bu	
AgriGold 6659VT2RIB	180	14.6	29,000	1	58.6	
AgriGold 6711VT2PRO	162	14.9	26,600	1	60.0	
Armor 1500 PRO	169	16.0	27,333	1	58.8	
Armor 1717 PRO	179	16.4	28,000	1	60.1	
DeKalb 64-35GENVT2P	189	15.1	29,333	1	59.2	
DeKalb 68-26GENVT2P	196	15.7	29,000	1	58.0	
Delta Grow 2888 GTCBLL	157	16.2	31,000	1	56.9	
Delta Grow 3660GTCBLL	146	15.6	30,333	1	59.5	
Dyna-Gro D57VP51	162	15.9	28,333	1	58.1	
Dyna-Gro D58VC37	176	15.0	29,333	1	60.0	
Terral REV 25BHR26	167	15.5	28,000	1	60.7	
Terral REV 2818AM	171	14.5	27,333	1	59.8	
County Average	171	15.5	28,633	1	59.1	

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.

Appendix A. Corn Hybrid Relative Maturity & Traits

Hybrid	Relative Maturity	Trait
AgriGold 6659VT2RIB	116	Genuity VT Double Pro RIB
AgriGold 6711VT2PRO	118	Genuity VT Double Pro
Armor 1500 PRO	115	Genuity VT Double Pro
Armor 1717 PRO	117	Genuity VT Double Pro
DeKalb 64-35GENVT2P	114	Genuity VT Double Pro
DeKalb 68-26GENVT2P	118	Genuity VT Double Pro
Delta Grow 2888 GTCBLL	117	Roundup Ready, Liberty Link, YieldGard Corn Borer
Delta Grow 3660 GTCBLL	118	Roundup Ready, Liberty Link, YieldGard Corn Borer
Dyna-Gro D57VP51	117	Genuity VT Triple Pro
Dyna-Gro D58VC37	118	Genuity VT Double Pro
Terral REV 25BHR26	115	Herculex, Roundup Ready Corn 2, Liberty Link, YieldGard Corn Borer
Terral REV 2818AM	118	Herculex, Roundup Ready Corn 2, Liberty Link, YieldGard Corn Borer

2017 Arkansas Corn Standardized Hybrid Trial Participants

Armor

Armor Seed P.O. Box 178 Fisher, AR 72429

DeKalb

Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167

Dyna-Gro

Crop Production Services 1673 N. US Hwy 61 Portageville, MO 63873 **AgriGold Hybrids**

AgriGold Hybrids 5381 Akin Rd St Francisville, IL 62460

Delta Grow

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Terral

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