

# 2017 Kentucky Hybrid Corn Performance Test

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The objective of the Kentucky Hybrid Corn Performance Test is to provide relative yield, seed quality, and crop health estimates of hybrid seed corn sold in Kentucky. The test attempts to treat every hybrid similarly in an unbiased manner. Agronomic practices that meet or exceed university guidelines are implemented at each location.

## Presentation of Data

Complete 2017 data is presented for the tests across all locations and tests at each location. Two- and three-year averages for yield are included in each of the single location tables. Tables that include data over multiple years and/or from multiple locations provide a better indication of hybrid performance. If individual location data is used, it should be used in combination with a multiple location average. The multiple location tables present better estimates of hybrid yield ability than data gathered at a single location in one year.

Comparisons between yields and other characteristics of any two or more hybrids should be made only with data from one table at a time. Hybrids are grouped into early, medium, late, and white tests based on relative maturity or trait characteristics. Hybrids that are likely to yield as high as the highest yielding hybrid, based on statistical evaluation, are shaded gray. See Hybrid Comparisons and Experimental Design and Mean Comparisons sections for more detail.

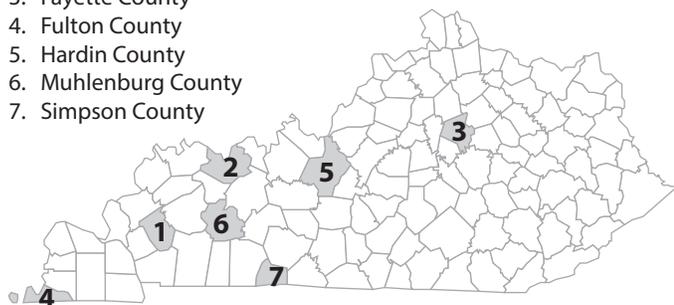
## Testing Procedure

### Selection of Hybrids

The hybrids submitted for testing are those most likely to be available for sale in 2018. Representatives from seed companies select and nominate their own hybrids. They provide the seed listed in Table 1 and identify the maturity and/or seed coat color.

### Locations of the 2017 Kentucky Hybrid Corn Performance Tests

1. Caldwell County
2. Daviess County
3. Fayette County
4. Fulton County
5. Hardin County
6. Muhlenburg County
7. Simpson County



### Location of Tests

The map on page 1 shows the test locations. The test sites were selected to represent different agro-climatic areas of Kentucky where corn is a major commodity. There were seven total tests from six locations across the state. Included in these seven tests were two irrigated tests in Fulton and Daviess counties. Both of these two were under center pivot irrigation.

### Seasonal Notes

There were many challenges this year due to the weather. The main issue was too much rainfall in certain areas in the spring. After harvest, the early, medium, and late test in Fulton County had to be excluded. Also, the and conventional tests in Hardin County, along with the early test in Muhlenburg County, had to be excluded, too. All of these were excluded due to excessive rainfall early on, which led to a very high CV.

### Disease Ratings

As you will find, new to the report this year is a table of disease ratings by hybrid by test. Hybrids were evaluated at two locations—Fayette County and Caldwell County. All ratings were made by Dr. Carl Bradley and Kelsey Mehl, UK Plant Pathologists in Princeton. Ratings were made during the middle of August. Both locations had low disease levels overall, so the only ratable disease was Gray Leaf Spot. Also, due to extremely low disease levels, the ratings from Caldwell County were excluded. Special thanks to Dr. Bradley and Ms. Mehl for this work.

### Cultural Practices

Corn seed was planted no-till into soybean stubble at two locations and into a tilled field at the other five. Fertilizer was applied in accordance with each individual farmer's practices.

### List of Tables

	Table	Location	Weather Table
Hybrids Tested	1	--	--
Yield Summary Tables	2	State Summary	--
	3	Disease Rating	--
	4	Caldwell County	5
	6	Daviess County	7
	8	Fayette County	9
	10	Fulton County	11
	12	Hardin County	13
	14	Muhlenburg County	15
	16	Simpson County	17

<http://www.uky.edu/Ag/GrainCrops/varietytesting.htm>

<http://www2.ca.uky.edu/cornvarietytest/>

All test areas were treated with herbicides supplemented by post emergence herbicide when necessary.

### **Experimental Design and Mean Comparisons**

Each hybrid was grown in three replications at each location to sample uncontrollable variability within the field. Yields presented in the tables are averages of three replications at the test site; 2-year and 3-year means are averages of six and nine replications, respectively. A randomized complete block design (RCBD) was used for each maturity group test at each location.

These tests are designed to predict relative yield ability. In these tests, we are most interested in how hybrid A yields relative to hybrid B. Slight differences in yield ability can occur as a result of variability in the field. The least significant difference (LSD) is used to account for that variability and to help determine significant differences between hybrid performances.

Consider the following example:

Hybrid	Yield
A	165
B	155
C	140
LSD (0.10)	12

The yield difference between hybrid A and hybrid B is 10 bu/acre (165 – 155 = 10). The difference is less than the LSD (12 bu/acre). Based on the LSD, the yield difference between hybrids A and B is not significant, meaning that we would expect hybrids A and B to have the same yield capability the next season. However the yield difference between hybrids A and C is 25 bu/acre (165 - 140 = 25) which is greater than the LSD (12 bu/acre). The LSD indicates that we would expect hybrid A to have greater yield capability than hybrid C next year.

The LSD occurs at the bottom of each table. Yield differences that are less than the LSD are not significantly different from each other. Tables are sorted from greatest to least yield. Cells that have been shaded gray are not significantly different from the highest yield mean in that column. The analysis indicates that all hybrids with yields shaded gray, would be expected to have similar yield potential next season.

The coefficient of variation (CV) is a calculated value that helps indicate unexplained variation in these studies. A smaller CV indicates less unexplained variation and more precise results.

### **Planting**

All plots were planted with a Wintersteiger Dynamic Disk vacuum, four-row, no-till planter, which is specialized for small plot work. Each hybrid seed was planted into plots consisting of four rows 30 inches apart and 20 feet long. Hybrid seed was planted at a rate of 32,000 in the non-irrigated locations and at 36,000 at the irrigated locations.

### **Harvesting**

All plots were harvested with a Wintersteiger Delta two-row corn combine. The central two rows of each four-row plot were harvested. The grain weight, moisture content, and test weight of grain from each plot was measured with an electronic scale and moisture meter mounted on the combine. Yields were calculated for grain at 56 pounds per bushel and adjusted to 15.5 percent moisture. The test weight reported in each annual table for any hybrid is not corrected for harvest moisture and is reported at the moisture content for that hybrid listed in that table. Dropped ears were not gleaned from the plots. The total number of lodged plants was recorded at harvest.

The Kentucky Hybrid Corn Performance Test is divided into four tests: early, medium, late maturities and white hybrids. These divisions provide evaluations of the hybrid groups without competition biases. The divisions do not allow for comparisons across groups. For example, a hybrid in the early test cannot be compared to a hybrid in the late. The early, medium, late and white tests were grown at all seven locations for a total of 28 tests.

The **early maturity** hybrid group in Table 2E and all subsequent “E” tables includes those hybrids rated by the parent seed company to mature in 111 days or earlier.

The **medium maturity** hybrid group in Table 2M and all subsequent “M” tables includes those hybrids rated by the parent seed company to mature in 112 to 115 days.

The **late maturity** hybrid group in Table 2L and all subsequent “L” tables includes those hybrids rated by the parent seed company to mature in 116 days or later.

The **white hybrid** group in Table 2W and all subsequent “W” tables includes those hybrids with a white seed coat. The maturity for each hybrid is rated by the parent seed company.

The **conventional hybrid** group in Table 2C and all subsequent “C” tables includes those hybrids that are non-GMO hybrids. The maturity for each hybrid is rated by the parent seed company.

Grain moisture of hybrids in the early, medium, and late tests should be within the LSD for that test. Hybrids with grain moisture above the LSD likely belong in a later-maturing test. Each hybrid is placed in the early, medium, and late tests based on the hybrid maturity defined by the company.

## Acknowledgments

The authors sincerely appreciate efforts of the Kentucky Corn Growers Association in providing a Wintersteiger Delta Corn plot combine through a very reasonable lease agreement. This combine contributes to improved accuracy of the data.

The authors are grateful to the following Kentucky farmer-cooperators who not only provided land for testing but helped with the tests throughout the growing season:

- John Boggess and family of Greenville
- Kerby Grey and family of Cecilia
- Sanger Farms of Hickman
- Richard Strode and family of Stanley
- Randy Mann and family of Franklin

The authors give special thanks to Ted Walker, John Stanhope and the entire crew of the College of Ag Farm Shop for keeping us going year-round.

Additional acknowledgments are made to the following people who helped conduct this year's performance test.

- Dr. Carrie Knott, Extension Specialist in Grain Crops, Research and Education Center, Princeton
- Dr. Carl Bradley, Extension Plant Pathologist, Research and Education Center, Princeton
- Scott Peek, Farm Manager, Research and Education Center, Princeton
- Tyler Shields, Myles Gibson, Brady Dalton, and Eric Perebzk, student help
- Mark Thomas and Mindy Jones, Dupont Pioneer for supplying seed for borders
- Ben Rudy, Extension Agent, Fulton County
- Darrell Simpson, Extension Agent, Muhlenburg County
- Jason Phillips, Extension Agent, Simpson County
- Matt Adams, Extension Agent, Hardin County
- Clint Hardy, Extension Agent, Daviess County

## Source of Seeds

The seeds planted in the 2017 Hybrid Corn Performance Test were acquired from the sources listed in Table 1.

**Table 1. Hybrids Tested in 2017**

Company	Hybrid	Trait <sup>1</sup>	Test <sup>2</sup>	Color	CRM <sup>3</sup>
AgriGold Hybrids Justin Warren 5381 Akin Rd St. Francisville, IL 62460 justin.warren@agrigold.com 800-262-7333	A639-40VT2PRO	VT2PRO	E	Yellow	109
	A640-77VT2PRO		E	Yellow	110
	A642-59STX	STX	E	Yellow	111
	A643-87GT2	A3000GT	M	Yellow	113
	A645-10VT2RIB	VT2PRO	M	Yellow	115
	A6499STXRIB	STXRIB	M	Yellow	112
	A6544VT2PRO	VT2	M	Yellow	113
	A6572VT2PRO	STX	M	Yellow	114
	A6659VT2RIB	VT2RIB	L	Yellow	116
	A647-90VT2PRO	VT2PRO	L	Yellow	117
	A6711VT2PRo	VT2PRO	L	Yellow	118
Armor Seed Chris Ouzts 183 Pennsylvania Ave Waldenburg, AR 72475 chrisouzs@armorseed.com 662-719-3157	0909	PRO2	E	Yellow	109
	AXC7110	PRO2	E	Yellow	110
	AXC7112	PRO2	M	Yellow	112
	1340	PRO2	M	Yellow	113
	AXC7114	PRO2	M	Yellow	114
	1500	PRO2	M	Yellow	115
	AXC7115	SS	M	Yellow	115
	AXC7116	PRO2	L	Yellow	116
	1717	PRO2	L	Yellow	116
Augusta Seed Corporation Matt Rawley PO Box 899 Verona, VA 24482 Matt.rawley@augustaseed.com 540-886-6055	5162	3000GT	M	Yellow	112
	1165	VT2PRO	M	Yellow	115
	1166	VT2PRO	L	Yellow	116
Beck's Hybrids Daniel Bechman 6767 East 276th Street Atlanta, IN 46031 daniel.bechman@beckshybrids.com 800-937-2325	6082AM™*Brand	AM	E	Yellow	110
	6365AM™* Brand	AM	M	Yellow	113
	6368V2P	V2P	M	Yellow	113
	6589V2P	V2P	M	Yellow	115
	6774V2P	V2P	L	Yellow	117
™*XL, Optimum, and AcreMax are registered trademarks of Pioneer. XL brand seed is distributed by Beck's Superior Hybrids, Inc.					
Brodbeck Seeds Jacob Kibbons 1612 N CO RD 284 W Rockport, IN 47635 jkibbons@brodbeckseed.com 270-903-9875	55RA07	SS	E	Yellow	107
	9808	RR	E	Yellow	108
	57RA10	SS	E	Yellow	110
	48RA11	PowerCore	E	Yellow	111
	54RA14	SS	M	Yellow	112
	57RA14	SS	M	Yellow	114
	58RA14	SS	M	Yellow	114
	9414	RR	M	Yellow	114
Caverndale Farms Brand Seed Barry Welty 1921 Bluegrass Pike Danville, KY 40422 bwelty@kywimax.com 859-236-2150	CF 790		C	Yellow	109
	CF 804 3220 E-Z Refuge	GT,CB,LL,HX1	E	Yellow	110
	CF 824 3120 E-Z Refuge	GT,CB,LL,HX1	M	Yellow	112
	CF 888 3000GT	GT,CB,LL,HX1	L	Yellow	117
Channel Whitney Monin 250 Dogwood Dr. Beaver Dam, KY 42320 whitney.monin@channel.com 515-314-8834	215-75VT2PRIB	VT2PRIB	M	Yellow	115
	216-36VT2PRIB	DGVT2PRIB	L	Yellow	116
	218-44VT2PRIB	VT2PRIB	L	Yellow	118
Dupont Pioneer George Stabler 59 Grief Parkway, Ste 200 Delaware, OH 43015 George.Stabler@pioneer.com 803-308-1003	P0843AM	AM	E	Yellow	108
	P1197AM	AM	E	Yellow	111
	P1257AM	AM	M	Yellow	112
	P1316AM	AM	M	Yellow	113
	P1442AM	AM	M	Yellow	114
	P1637AM	AM	L	Yellow	116
	P2089AM	AM	L	Yellow	120
	P1306WHR	HX1, LL, RR2	W	White	113
	P1620WAM	AM	W	White	113
	P1477WHR	HX1, LL, RR2	W	White	114
	P1618WAM	AM	W	White	116

**Table 1. Hybrids Tested in 2017 (continued)**

Company	Hybrid	Trait <sup>1</sup>	Test <sup>2</sup>	Color	CRM <sup>3</sup>
	32B16	HX1, LL, RR2	W	White	117
Dyna-Gro Seed	CX17212	VT2Pro	E	Yellow	111
Brian Sims	D55VC45	VT2Pro	M	Yellow	115
2760 Keller Rd Owensboro, KY 42301 Chris.hummel@cpsagu.com Chris Hummel - 573-470-1499	D58VC65	VT2Pro	L	Yellow	117
Great Lakes Hybrids	5910VT2RIB	VT2	E	Yellow	109
Jim Jackson	6238STXRIB	STX	M	Yellow	112
4827 N. Golf Course Rd	6369VT2RIB	VT2	M	Yellow	113
Bruceville, IN 47516	6401STXRIB	STX	M	Yellow	114
Jim.jackson@greatlakeshybrids.com	6571VT2RIB	VT2	M	Yellow	115
812-343-6127	6686VT2RIB	VT2	L	Yellow	116
Gromark	FS 59VL1 EZR	Vip 3220 EZ	E	Yellow	109
Dennis Garzonio	FS 60QV1 RIB	VT2P RIB	E	Yellow	110
FS InVISION	FS 62R44	3000GT	M	Yellow	112
1701 Towanda Ave	FS 63ZX1 RIB	SStx RIB	M	Yellow	113
Bloomington, IL 61702-2500	FS 64R44	3000GT	M	Yellow	114
dgarzonio@growmark.com	FS 66ZV1 RIB	VT2P RIB	L	Yellow	116
309-557-6234	FS 68R44	3000GT	L	Yellow	118
	FS 62B00		C	Yellow	112
	FS 63Z00		C	Yellow	113
	FS 65D00		C	Yellow	115
Hoegemeyer Hybrids	HPT 8091 AM	AM	E	Yellow	110
Jeremy Horvatic	HPT 8294 AM	AM	M	Yellow	112
1755 Hoegemeyer Rd	HPT 8414 AM	AM	M	Yellow	114
Hooper, NE 68031 j.horvatic@hoegemeyer.com 402-719-4737	HPT 8572 AM	AM	M	Yellow	115
LG Seeds	LG5555VT2RIB	VT2PRO	E	Yellow	110
Jesse Grogan	LG5590VT2PRO	VT2PRO	E	Yellow	110
22827 Shissler Road	LG5616-3000GT	3000GT	M	Yellow	112
Elmwood, IL 61529	LG5643VT2RIB	VT2Pro	M	Yellow	114
Jesse.grogan@lgseeds.com	LG5663VT2PRO	VT2Pro	M	Yellow	115
765-426-2763	LG5650VT2Pro	VT2Pro	M	Yellow	115
	LG5700VT2RIB	VT2PRO	L	Yellow	116
Masters Choice	MC6150		C	Yellow	111
Kyle Vosburgh	MC6580		C	Yellow	115
305 W. Vienna St. Anna, IL 62906 618-697-7031 kyle@seedcorn.com	MC6750		C	Yellow	117
Monsanto (DEKALB)	DKC60-88RIB	GENVT2RIB	E	Yellow	110
Glenn Murphy	DKC62-52RIB	GENSSRIB	M	Yellow	112
264 Persimmon Ridge Dr	DKC62-78RIB	GENDGV2PRIB	M	Yellow	112
Louisville, KY 40245	DKC64-35RIB	GENVTP2RIB	M	Yellow	114
glen.p.murphy@monsanto.com	DKC64-89RIB	GENVT2PRIB	M	Yellow	114
502-377-5053	DKC65-94RIB	GENSSRIB	M	Yellow	115
	DKC65-20RIB	GENVT2PRIB	M	Yellow	115
	DKC66-59RIB	GENVT2PRIB	L	Yellow	116
	DKC66-75RIB	GENVT2PRIB	L	Yellow	116
	DKC67-44RIB	GENVT2PRIB	L	Yellow	117
	DKC67-72RIB	GENVT2PRIB	L	Yellow	117
	DKC70-27RIB	GENVT2PRIB	L	Yellow	120
	DKC61-52		C	Yellow	111
	DKC62-06		C	Yellow	112
	DKC64-85		C	Yellow	114
Pfister Seeds	69B1PCR	Power Core	E	Yellow	109
Keith Niemeier	70A1SSRA	SS	E	Yellow	110
201 Knollwood Dr	71CPCRA	Power Core	E	Yellow	111
Champaign, IL 61820	72G6SSR	SS	M	Yellow	112
kniemeier@pfisterseeds.com	2874PCRA	Power Core	M	Yellow	113
618-541-0605	74A2RR	RR	M	Yellow	114
	3488PCRA	Power Core	M	Yellow	115

**Table 1. Hybrids Tested in 2017 (continued)**

Company	Hybrid	Trait <sup>1</sup>	Test <sup>2</sup>	Color	CRM <sup>3</sup>
	2874CONV		C	Yellow	113
	3488CONV		C	Yellow	115
Progeny Ag Products	PGY6110VT2P	VT2P	E	Yellow	110
John D. Rocconi	PGY7111VT2P	VT2P	E	Yellow	111
1529 HWY 93	PGY4114VT2P	VT2P	M	Yellow	114
Wynne, AR 72396	PGY5115VT2P	VT2P	M	Yellow	115
JohnR@progenyag.com	PGY7215VT2P	VT2P	M	Yellow	115
870-238-2079	PGY8116SS	SS	M	Yellow	115
	PGY6116VT2P	VT2P	L	Yellow	116
Seed Consultants Inc.	SCS 1086YHR™	RR2,HX,LL,YGCB	E	Yellow	108
Matt Hutcheson	SCS 1094YHR™	RR2,HX,LL,YGCB	E	Yellow	109
648 Miami Trace Rd. SW	SCS 1105YHR™	YGCB/HX1/LL/RR2	E	Yellow	110
Washington Court House, OH 43160	SC 11AQ17™	Agrisure 3000GT	E	Yellow	111
matt@seedconsultants.com	SCS 1125YHR™	YGCB/HX1/LL/RR2	M	Yellow	112
800-708-2676	SCS 11AQ15™	Agrisure 3000GT	M	Yellow	113
	SCS 1136YHR™	RR2,HX,LL,YGCB	M	Yellow	113
	SCS 1131YHR™	RR2,HX,YGCB	M	Yellow	113
	SCS 1158YHR™	RR2,HX,LL,YGCB	M	Yellow	115
	SCS 1168YHR™	RR2,HX,LL,YGCB	L	Yellow	116
	SC 11AQ74™	Agrisure 3000GT	L	Yellow	117
Stewart Seeds	11DP718	VT2PRO	E	Yellow	111
Justin Petrosino	8E623RIB	VT2PRO	M	Yellow	112
127 N Grove Street	8E663RIB	VT2PRIB	M	Yellow	113
Bowling Green, OH 43402	15DP438	VT2PRO	M	Yellow	115
justin.petrosino@stewartseeds.com	8E753RIB	VT2PRIB	M	Yellow	115
419-681-3427	16DP117	VT2Pro	L	Yellow	116
	17DP387	VT2Pro	L	Yellow	117
Syngenta (NK)	N66V-3000GT	GT,CB,LL,RW	E	Yellow	110
Chuck Leonard	N76A-3010	VT3P A-3010	M	Yellow	114
5210 State Rd 945	1405-3220EZ1	GT,CB,LL	M	Yellow	114
Hickory, KY 42051	N83D-3111	GT,CB,LL,VIP,RW	L	Yellow	118
chuck.leonard@syngenta.com					
270-519-9600					
T.A. Seeds	TA598-22DPRIB	VT2P	E	Yellow	110
Cory Chelko	TA736-28RIB	SSX	M	Yellow	113
39 Seeds Lane	TA765-30	Vip 3110	M	Yellow	115
Jersey Shore, PA 17740	TA758-28RIB	SSX	M	Yellow	115
cchelko@taseeds.com					
570-753-5503					
Terral Seed, Inc.	REV® 23BHR55™	YGCB,HX1,LL,RR	M	Yellow	113
Marty Hale	REV® 25BHR26™	YGCB,HX1,LL,RR	M	Yellow	115
111 Ellington Dr.	REV® 28BHR18™	YGCB,HX1,LL,RR	L	Yellow	118
Rayville, LA 71269					
mhale@terralseed.com					
318-341-8814					
Warren Seed & Agronomy Service	DS 9610	3000 GT	E	Yellow	110
Lanny Warren	DS 9412SSX	SSX	M	Yellow	112
208 South Thompson St	DS 7513	Power Core	M	Yellow	113
Union City, TN 38261	DS 9913SSX	SSX	M	Yellow	114
lanny.warren@charter.net	DS 9314SSX	SSX	M	Yellow	114
731-885-6595	DS 6414	RR	M	Yellow	115
Wyffels Hybrids	W7456RIB	VT2P	M	Yellow	112
Mitch Heisler	W7696RIB	VT2P	M	Yellow	113
13344 US Hwy 6	W8268	SS	L	Yellow	116
Geneseo, IL 61234	W8646	SS	L	Yellow	116
mheisler@wyffels.com					
309-945-7032					

<sup>1</sup>Trait:

- 3110, 3111, 3122:** Syngenta 3000 GT (Triple)
  - AM:** AcreMax = YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance, 5% refuge in a bag
  - ART:** Artesian
  - BT:** corn borer resistance
  - BTCB:** corn borer resistance
  - BTRW:** corn rootworm resistance
  - CB:** corn borer resistance
  - CL:** Clearfield Corn imidazolinone tolerance
  - Conv:** Conventional, No GMO Traits
  - DG:** DroughtGard
  - GENVT3P:** Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, corn rootworm resistance
  - GT3000:** AgriSure glyphosate tolerance, AgriSure corn borer resistance and AgriSure corn rootworm resistance
  - GT:** AgriSure glyphosate tolerance
  - HX&HX1:** Herculex corn rootworm resistance
  - HXT:** Herculex glufosinate tolerance, corn borer resistance, corn rootworm resistance, cutworm tolerance
  - IT:** Clearfield imidazolinone tolerance
  - LL:** Liberty Link glufosinate tolerance
  - OPTIMUM INTRASECT:** YGCB, HX1, LL, RR2
  - RHX1:** Liberty Link glufosinate tolerance, Roundup Ready glyphosate tolerance, Herculex corn borer resistance, Herculex corn rootworm resistance, Herculex cutworm tolerance
  - RIB:** Refuge in a Bag
  - RR:** Roundup Ready Corn glyphosate tolerance
  - RR2:** Roundup Ready Corn 2 glyphosate tolerance
  - Smart Stax (SS, STX, or SSX):** Roundup Ready glyphosate tolerance, Liberty Link glufosinate tolerance, YieldGard corn borer resistance, Herculex corn rootworm resistance, Herculex corn borer resistance, YieldGard corn rootworm resistance, Herculex cutworm tolerance
  - TS:** Roundup Ready glyphosate tolerance, YieldGard corn borer resistance, YieldGard corn rootworm resistance
  - YG:** YieldGard corn borer resistance
  - YGBT:** YieldGard corn borer resistance
  - YGCB:** YieldGard corn borer resistance
  - YGRW:** YieldGard corn rootworm resistance
  - YHR:** YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance
  - VIP:** AgriSure Viptera
  - VT3:** Roundup Ready glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard corn rootworm resistance
  - VT3P:** Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
  - VT3PRO:** Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
  - VT3PRORIBC:** Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance, Refuge in a Bag
  - VT2PRO:** Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance
  - VT2PRORIBC:** Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, Refuge in a Bag
  - RA:** Refuge Advanced
  - RW:** corn rootworm resistance
- <sup>2</sup>Test: E = Early, M = Medium, L = Late, W = White
- <sup>3</sup>CRM: Cumulative Relative Maturity
- ™ = Trade Mark

**Table 2E. State Summary Early, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Hoegemeyer HPT 8091 AM	236.9			60.8	16.9	91	0	TA SEEDS TA598-22DPRIB	212.0			62.0	17.0	89	0
Stewart 11DP718	229.2			60.3	19.9	86	0	Seed Consultants SC 11AQ17™	211.9	209.3		58.8	22.2	89	0
Pfister 70A1SSRA	225.1			58.8	18.4	89	0	Seed Consultants SCS 1086YHR™	210.7	208.5		60.4	17.2	92	0
PROGENY PGY7111VT2P	224.5			61.2	18.7	88	0	Pioneer P0843AM	210.6	207.7	220.6	61.7	17.3	89	0
DEKALB DKC60-88RIB	223.7			61.7	16.7	91	0	NK Seeds N66V-3000GT	209.9	207.1		59.9	17.9	93	0
Pioneer P1197AM	223.6	220.2	231.7	61.3	17.9	91	0	Armor 0909	208.3	207.3		60.1	17.4	84	0
Beck 6082AM™™	221.9			61.0	18.3	85	0	Warren Seed DS 9610	208.3	200.2	212.8	59.6	19.0	89	0
Brodbeck 57RA10	220.9	209.5		58.8	18.6	87	0	Pfister 69B1PCR	208.2			60.0	17.4	91	0
Armor AX7110	219.4			62.5	17.1	89	0	FS InVISION FS 60QV1 RIB	206.9			59.5	17.8	86	0
Seed Consultants SCS 1105YHR™	218.3	213.2	227.6	60.7	17.3	93	0	Brodbeck 55RA07	206.2			60.6	18.0	85	0
Pfister 71CPCRA	218.0			58.1	20.8	91	0	Caverndale CF 804 3220 E-Z Refuge	204.5			60.5	19.0	93	0
AgriGold A642-59STX	217.7			61.5	18.4	90	0	AgriGold A640-77VT2PRO	200.3			62.4	17.6	88	0
Great Lakes 5910VT2RIB	216.0			62.5	17.5	91	0	Brodbeck 48RA11	195.1			58.0	20.6	92	0
Seed Consultants SCS 1094YHR™	215.5			61.4	18.1	89	0	PROGENY PGY6110VT2P	192.7	194.3		60.8	18.6	80	0
FS InVISION FS 59VL1 EZR	215.2			58.5	19.0	88	0	Brodbeck 9808	184.9			59.7	18.6	88	0
AgriGold A639-40VT2PRO	214.3			60.2	17.5	87	0	<b>Average</b>	<b>212.5</b>	<b>207.7</b>	<b>223.2</b>	<b>60.5</b>	<b>18.2</b>	<b>89</b>	<b>0</b>
LG Seeds LG5555VT2RIB	214.2			60.0	18.9	88	0	C.V.	9.4	10.1	9.1	1.5	4.7	6	381
Dyna-Gro CX17212	213.3			60.9	18.7	88	0	LSD	17.0	28.6	21.3	0.8	0.7	5	0
LG Seeds LG5590VT2Pro	212.2			60.6	17.3	88	0								

**Table 2L. State Summary Late, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
CHANNEL 218-44VT2PRIB	241.7	224.7		62.4	17.9	94	0	AgriGold A6711VT2PRO	222.2	204.8	219.1	62.1	18.7	94	0
DEKALB DKC67-44	238.5	231.1		63.0	17.9	91	0	NK Seeds N83D-3111	221.9			61.0	20.2	91	0
DEKALB DKC70-27RIB	234.6			61.8	19.9	89	0	Great Lakes 6686VT2PRIB	221.7	215.0		62.4	18.2	92	1
Wyffels W8268RIB	233.0	215.5		61.4	18.2	92	0	Wyffels W8646	221.6			62.0	19.3	91	0
Seed Consultants SC-S1168YHR™	231.0			61.6	18.9	85	0	Stewart 17DP387	220.7	214.2		63.1	18.7	94	0
Stewart 16DP117	230.3			61.5	20.8	88	0	CHANNEL 216-36VT2PRIB	219.7			62.6	17.3	94	1
DEKALB DKC66-75	229.9	216.4		62.0	17.5	92	0	AgriGold A6659VT2RIB	219.2	214.3	228.3	62.2	18.0	92	0
Augusta 1166	228.1			61.0	17.8	92	0	DEKALB DKC67-72RIB	218.9	211.6	221.4	61.1	18.9	94	0
Armor AX7116	227.7			62.1	19.2	90	0	Caverndale CF 888 3000GT	218.7			60.1	20.6	91	0
AgriGold A647-90VT2PRO	227.4			62.8	19.4	93	0	Pioneer P2089VYHR	218.5	210.6	227.2	60.1	20.6	90	0
Pioneer P1637AM	226.6	218.5	232.6	62.9	18.5	91	0	Beck 6774V2P	215.5			62.5	19.9	89	0
PROGENY PGY6116VT2P	226.5	211.9		61.0	19.0	88	0	REV® 28BHR18	215.3			62.6	19.3	70	0
DEKALB DKC66-59RIB	226.4	218.9		61.4	19.3	87	0	FS InVISION FS 68R44	214.4			60.9	20.6	91	1
Armor 1717	225.3			63.5	19.2	87	0	Seed Consultants SC 11AGT74™	214.4	208.0	220.6	61.2	20.6	88	0
FS InVISION FS 66ZV1 RIB	224.9	214.3		63.1	18.0	85	0	<b>Average</b>	<b>224.3</b>	<b>215.3</b>	<b>224.9</b>	<b>61.9</b>	<b>18.9</b>	<b>90</b>	<b>0</b>
Dyna-Gro D58VC65	222.5			62.3	19.1	92	0	C.V.	10.6	10.3	9.3	1.5	4.9	6	372
LG Seeds LG5700VT2RIB	222.3			61.0	17.1	93	0	LSD	20.3	30.2	22.7	0.8	0.8	5	0

**Table 2W. State Summary White, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer P1477WHR	219.9	209.7	220.6	65.2	18.9	92	0
Pioneer P1306WHR	218.8	210.5		64.0	17.0	91	0
Pioneer P1620WAM	210.0			66.6	18.6	88	0
Pioneer P1618WAM	205.9			65.4	18.2	87	0
Pioneer 32B16	203.0	196.7	205.3	63.5	19.5	91	1
<b>Average</b>	<b>210.2</b>	<b>205.6</b>	<b>212.9</b>	<b>64.9</b>	<b>18.5</b>	<b>90</b>	<b>0</b>
C.V.	9.7	9.7	8.6	2.0	4.2	4	293
LSD	14.9	27.2	20.0	1.0	0.6	3	1

**Table 2M. State Summary Medium, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Armor 1447P	249.9			62.4	18.6	86	0	DEKALB DKC64-35RIB	222.7	211.7		62.3	17.3	87	3
LG Seeds LG5643VT2RIB	239.4	221.6		60.9	18.8	91	0	Wyffels W7696RIB	220.9	201.4		60.4	18.9	89	0
AgriGold A6544VT2RIB	238.5	221.6		60.7	18.7	90	0	Pioneer P1316AM	220.9	211.5		61.3	18.9	89	0
Hoegemeyer HPT 8572 AM	237.3			60.9	19.2	90	0	Seed Consultants SC 11AQ15™	220.1	202.5		60.5	20.9	89	0
Great Lakes 6401STXRIB	235.8			62.9	18.7	90	0	Stewart 8E663RIB	220.0	214.0	228.9	61.9	18.2	90	0
DEKALB DKC64-89RIB	235.6	214.7	227.4	61.7	17.8	89	0	Warren Seed DS 6414	219.9			59.0	20.1	86	0
DEKALB DKC65-20RIB	234.8			61.6	18.3	86	0	Warren Seed DS 9412SSX	219.6	207.4	219.2	59.4	20.0	89	0
Great Lakes 6369VT2RIB	234.1			61.1	18.2	88	0	AgriGold A645-10VT2RIB	219.3			61.6	19.6	87	0
Hoegemeyer HPT 8414 AM	234.0			60.0	18.4	90	0	Pioneer P1442AM	218.6			61.7	19.2	91	0
CHANNEL 215-75VT2PRIB	233.8			60.6	18.7	88	0	Beck 6368V2P	218.2			59.8	18.9	90	0
Warren Seed DS 9913SSX	233.5	211.5		60.3	19.7	90	0	Brodbeck 57RA14	217.8	204.5		60.2	19.1	91	0
Dyna-Gro D55VC45	233.1			61.9	19.0	90	0	Pioneer P1257AM	217.6	207.2	220.9	60.9	16.9	90	0
Beck 6589V2P	232.3	208.2		61.9	19.6	87	0	Seed Consultants SC-S1131YHR™	217.5			61.7	19.4	86	0
Great Lakes 6571VT2RIB	230.2			60.9	18.7	92	0	NK Seeds N76A-3010	217.4	206.4	218.9	57.0	19.1	82	0
Armor 1667S	230.1			63.0	19.6	87	0	TA SEEDS TA736-28RIB	217.3			61.9	17.8	83	0
AgriGold A6499STXRIB	228.5	221.1	233.8	61.8	19.2	89	0	TA SEEDS TA758-28RIB	216.7			61.3	19.5	82	0
Seed Consultants SCS 1136YHR™	228.3	209.8		62.4	18.7	89	0	Warren Seed DS 7513	216.4			58.3	20.0	89	0
DEKALB DKC65-94RIB	228.2			62.0	18.6	87	0	Pfister 74A2RR	216.4			58.9	20.1	86	0
LG Seeds LG5663VT2RIB	227.8	208.5	221.9	61.6	19.7	88	0	Stewart 8E753RIB	216.0	207.7	226.9	62.4	19.4	87	0
Caverndale CF 824 3220 E-Z Refuge	227.6			56.9	19.2	86	0	FS InVISION FS 63ZX1 RIB	215.8			61.4	19.3	89	0
Seed Consultants SC-S1158YHR™	226.9			60.8	19.3	90	0	LG Seeds LG5616-3000GT	215.2			60.9	18.4	89	0
Armor 1227P	226.8			61.5	17.3	87	0	Brodbeck 58RA14	214.7			57.7	19.7	87	0
Stewart 15DP438	226.5			62.2	18.8	84	0	Augusta 5162	214.1			61.4	18.3	89	0
Stewart 8E623RIB	226.3			60.3	19.0	89	0	TA SEEDS TA765-30	214.0	205.7	228.7	62.4	19.6	85	0
FS InVISION FS 64R44	226.3			56.7	19.4	86	0	Brodbeck 9414	213.8			57.4	20.5	88	0
Hoegemeyer HPT 8294 AM	226.0	216.0		60.5	17.9	89	1	PROGENY PGY81165S	213.5			62.3	19.7	90	0
REV® 25BHR26™	225.9	210.0	230.0	62.7	18.2	87	0	PROGENY PGY7215VT2P	213.5			61.7	19.6	84	0
DEKALB DKC62-52RIB	225.8			61.8	17.6	88	0	Warren Seed DS 9314SSX	212.4	204.6	218.5	58.9	20.3	88	0
Augusta 1165	225.5			60.8	20.3	88	0	Pfister 3488PCRA	212.3			57.8	21.1	87	0
Armor 1340	225.4	211.2		62.1	17.8	87	0	DEKALB DKC62-78RIB	212.0	201.0	214.6	61.4	16.5	85	0
LG Seeds LG5650VT2RIB	225.0	215.1		63.6	18.2	90	0	NK Seeds 1405-3220EZ1	211.1			58.7	19.8	88	0
Great Lakes 6224STXRIB	224.6			62.4	18.0	85	0	Armor 1500	210.2	196.9		61.9	19.7	84	0
Beck 6365AM™*	224.3	216.5	234.6	61.4	18.0	90	0	Pfister 72G6SSR	209.9			57.0	20.3	88	0
Brodbeck 54RA14	223.8	205.1		59.1	19.5	90	0	Pfister 2874PCRA	209.7			58.4	19.4	89	0
PROGENY PGY5115VT2P	223.5	208.2	218.8	60.5	19.2	86	0	REV® 23BHR55™	206.5	206.8	226.6	59.8	18.4	88	0
Seed Consultants SCS 1125YHR™	223.4	221.4	236.7	60.1	18.2	90	1	Wyffels W7456RIB	204.0			61.4	19.8	88	0
PROGENY PGY4114VT2P	223.0	211.2	226.4	61.0	16.8	88	0	AgriGold A643-87GT3	198.4			60.6	18.4	89	0
AgriGold A6572VT2RIB	222.7	211.3		63.0	18.2	89	0	<b>Average</b>	<b>222.8</b>	<b>209.7</b>	<b>225.5</b>	<b>60.7</b>	<b>18.9</b>	<b>88</b>	<b>0</b>
FS InVISION FS 62R44	222.7			60.6	18.3	89	0	C.V.	11.9	11.3	10.1	2.0	4.9	6	354
								LSD	20.5	32.7	21.1	1.0	0.7	4	0

**Table 2C. State Summary Conventional, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017								2017						
FS InVISION FS 62B00	209.3			60.7	17.7	93	1	DEKALB DKC62-06	190.5			62.4	16.0	93	1
DEKALB DKC61-52	201.5			63.2	15.9	93	0	FS InVISION FS 63Z00	189.4			63.7	16.7	89	0
FS InVISION FS 65D00	201.2			64.5	18.4	87	1	Masters Choice MC6580	179.2			59.3	19.7	86	1
DEKALB DKC64-85	198.3			64.0	15.9	92	0	Masters Choice MC6150	164.0			58.4	18.3	80	1
Masters Choice MC6750	194.8			61.1	19.7	89	0	<b>Average</b>	<b>192.3</b>	<b>61.6</b>	<b>17.6</b>	<b>90</b>	<b>1</b>		
Pfister 3488CONV	194.6			58.1	18.0	93	0	CV	12.3	2.4	5.2	7	289		
Caverndale CF 790	193.2			64.0	17.9	86	1	LSD	18.5	1.2	0.7	5	1		
Pfister 2874CONV	192.0			60.0	17.1	94	0								

**Table 3W. White Hybrid Disease\* Rating, 2017**

Hybrid	Ear Leaf (%)
Pioneer 32B16	5.0
Pioneer P1306WHR	2.5
Pioneer P1477WHR	2.5
Pioneer P1618WAM	3.9
Pioneer P1620WAM	3.6
P > F	0.0343
LSD 0.10	1.3

\* Gray leaf spot severity.

**C. Conventional Hybrid Disease\* Rating, 2017**

Hybrid	Ear Leaf (%)
Caverndale CF 790	6.1
DEKALB DKC61-52	5.5
DEKALB DKC62-06	5.1
DEKALB DKC64-85	4.8
FS InVISION FS 63Z00	4.5
FS InVISION FS 65D00	6.4
FS InVISION FS 62B00	3.7
Masters Choice MC6150	6.7
Masters Choice MC6580	4.1
Masters Choice MC6750	2.3
Pfister 2874CONV	8.6
Pfister 3488CONV	3.4
P > F	0.0616
LSD 0.10	2.8

\* Gray leaf spot severity.

**Table 3E. Early Hybrid Disease\* Rating, 2017**

Hybrid	Ear Leaf (%)	Hybrid	Ear Leaf (%)	Hybrid	Ear Leaf (%)
AgriGold A639-40VT2PRO	1.1	Dyna-Gro CX17212	2.3	Pioneer P1197AM	1.4
AgriGold A640-77VT2PRO	3.0	FS InVISION FS 59VL1 EZR	4.2	PROGENY PGY6110VT2P	3.8
AgriGold A642-59STX	1.9	FS InVISION FS 60QV1 RIB	2.6	PROGENY PGY7111VT2P	1.7
Armor 0909	1.7	Great Lakes 5910VT2RIB	1.2	Seed Cons SC 11AQ17™	4.5
Armor AXC7110	1.7	Hoegemeyer HPT 8091 AM	1.2	Seed Cons SCS 1086YHR™	5.1
Beck 6082AM™*	1.7	LG Seeds LG5555VT2RIB	0.8	Seed Cons SCS 1105YHR™	0.8
Brodbeck 57RA10	0.9	LG Seeds LG5590VT2Pro	1.2	Seed Cons SCS 1094YHR™	7.2
Brodbeck 48RA11	3.6	NK Seeds N66V-3000GT	2.8	Stewart 11DP718	2.8
Brodbeck 55RA07	2.6	Pfister 69B1PCR	1.2	TA SEEDS TA598-22DPRIB	1.7
Brodbeck 9808	1.7	Pfister 70A1SSRA	1.1	Warren Seed DS 9610	7.1
Caverndale CF 804	4.7	Pfister 71CPCRA	5.7	P > F	0.0001
DEKALB DKC60-88RIB	3.7	Pioneer P0843AM	0.9	LSD 0.10	1.8

\* Gray leaf spot severity.

**Table 3M. Medium Hybrid Disease\* Rating, 2017**

Hybrid	Ear Leaf (%)	Hybrid	Ear Leaf (%)	Hybrid	Ear Leaf (%)
AgriGold A643-87GT3	6.0	DEKALB DKC65-20RIB	4.1	PROGENY PGY5115VT2P	4.3
AgriGold A645-10VT2RIB	4.1	Dyna-Gro D55VC45	3.9	PROGENY PGY7215VT2P	3.9
AgriGold A6499STXRIB	2.5	FS InVISION FS 62R44	8.2	PROGENY PGY8116SS	3.7
AgriGold A6544VT2RIB	3.4	FS InVISION FS 63ZX1 RIB	2.5	REV® 23BHR55™	4.3
AgriGold A6572VT2RIB	2.6	FS InVISION FS 64R44	7.1	REV® 25BHR26™	5.6
Armor 1340	6.0	Great Lakes 6224STXRIB	6.2	Seed Cons SC 11AQ15™	5.2
Armor 1500	3.0	Great Lakes 6369VT2RIB	4.3	Seed Cons SCS 1125YHR™	6.5
Armor AXC7112	4.3	Great Lakes 6401STXRIB	1.9	Seed Cons SCS 1136YHR™	4.6
Armor AXC7114	4.1	Great Lakes 6571VT2RIB	3.8	Seed Cons SCS1131YHR™	4.1
Armor AXC7115	3.0	Hoegemeyer HPT 8294 AM	7.8	Seed Cons SCS1158YHR™	3.7
Augusta 1165	3.9	Hoegemeyer HPT 8414 AM	3.4	Stewart 15DP438	4.1
Augusta 5162	8.6	Hoegemeyer HPT 8572 AM	3.0	Stewart 8E623RIB	6.6
Beck 6365AM™*	6.1	LG Seeds LG5616-3000GT	8.6	Stewart 8E663RIB	2.1
Beck 6368V2P	6.6	LG Seeds LG5643VT2RIB	2.4	Stewart 8E753RIB	2.3
Beck 6589V2P	2.6	LG Seeds LG5650VT2RIB	1.7	TA SEEDS TA765-30	2.3
Brodbeck 54RA14	1.5	LG Seeds LG5663VT2RIB	2.8	TA SEEDS TA736-28RIB	3.0
Brodbeck 57RA14	4.1	NK Seeds N76A-3010	5.5	TA SEEDS TA758-28RIB	3.7
Brodbeck 9414	2.8	NK Seeds 1405-3220EZ1	6.0	Warren Seed DS 6414	8.3
Brodbeck 58RA14	2.5	Pfister 2874PCRA	4.6	Warren Seed DS 7513	11.7
Caverndale CF 824	6.8	Pfister 3488PCRA	3.7	Warren Seed DS 9412SSX	1.7
CHANNEL 215-75VT2PRIB	4.3	Pfister 72G6SSR	1.9	Warren Seed DS 9314SSX	2.8
DEKALB DKC62-52RIB	2.8	Pfister 74A2RR	6.7	Warren Seed DS 9913SSX	4.1
DEKALB DKC62-78RIB	3.9	Pioneer P1257AM	6.9	Wyffels W7456RIB	1.5
DEKALB DKC64-35RIB	3.4	Pioneer P1316AM	4.4	Wyffels W7696RIB	5.9
DEKALB DKC64-89RIB	4.8	Pioneer P1442AM	3.0	P > F	0.0001
DEKALB DKC65-94RIB	2.6	PROGENY PGY4114VT2P	6.9	LSD 0.10	2.1

\* Gray leaf spot severity.

**Table 3L. Late Hybrid Disease\* Rating, 2017**

Hybrid	Ear Leaf (%)	Hybrid	Ear Leaf (%)	Hybrid	Ear Leaf (%)
AgriGold A647-90VT2PRO	6.0	DEKALB DKC66-75	11.0	Pioneer P2089VYHR	9.1
AgriGold A6659VT2RIB	13.9	DEKALB DKC67-44	8.6	PROGENY PGY6116VT2P	9.1
AgriGold A6711VT2PRO	9.7	DEKALB DKC67-72RIB	11.1	REV® 28BHR18™	12.5
Armor 1717	15.6	DEKALB DKC70-27RIB	4.1	Seed Cons SC 11AGT74™	8.8
Armor AXC7116	9.2	Dyna-Gro D58VC65	10.2	Seed Cons SCS1168YHR™	8.8
Augusta 1166	15.6	FS InVISION FS 66ZV1 RIB	10.4	Stewart 16DP117	2.6
Beck 6774V2P	5.4	FS InVISION FS 68R44	5.6	Stewart 17DP387	5.0
Caverndale CF 888 3000GT	5.2	Great Lakes 6686VT2PRIB	11.7	Wyffels W8268RIB	9.6
CHANNEL 216-36VT2PRIB	10.6	LG Seeds LG5700VT2RIB	14.5	Wyffels W8646	10.2
CHANNEL 218-44VT2PRIB	11.1	NK Seeds N83D-3111	4.9	P > F	0.0001
DEKALB DKC66-59RIB	9.4	Pioneer P1637AM	10.4	LSD 0.10	3.2

\* Gray leaf spot severity.

**Table 4E. Caldwell County Early, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Hoegemeyer HPT 8091 AM	229.8			63.0	14.6	91	0	PROGENY PGY7111VT2P	197.6			63.3	16.2	83	0
Pfister 71CPCRA	223.8			59.7	18.5	93	0	AgriGold A640-77VT2PRO	197.5			64.5	15.9	83	0
NK Seeds N66V-3000GT	215.7	228.8		62.0	16.3	90	0	Caverndale CF 804 3120 E-Z Refuge	196.6			61.4	18.0	92	0
AgriGold A642-59STX	214.2			63.0	17.0	90	0	Brodbeck 55RA07	196.1			62.1	16.1	83	0
Pioneer P1197AM	213.9	228.2	239.2	62.6	15.9	86	0	LG Seeds LG5555VT2RIB	196.0			61.0	18.2	81	2
Pfister 70A1SSRA	213.5			60.2	16.6	83	0	Great Lakes 5910VT2RIB	194.4			63.6	16.7	91	0
Seed Consultants SC 11AQ17™	211.8	217.5		60.7	19.4	87	0	Brodbeck 48RA11	191.2			58.3	19.4	91	0
FS InVISION FS 60QV1 RIB	211.2			61.1	16.0	86	0	AgriGold A639-40VT2PRO	189.2			61.9	15.6	75	0
Stewart 11DP718	210.1			61.9	18.5	65	0	Armor 0909	184.5	207.1		60.8	15.3	81	2
DEKALB DKC60-88RIB	209.8			64.1	14.9	86	0	Warren Seed DS 9610	184.2	194.9	207.0	61.2	17.0	86	0
Dyna-Gro CX17212	209.7			62.6	17.6	88	0	Seed Consultants SCS 1105YHR™	182.2	202.9	218.5	61.4	15.2	89	0
Brodbeck 57RA10	208.9	208.3		59.7	16.8	80	0	Brodbeck 9808	180.4			60.9	17.4	82	0
Armor AXC7110	204.7			63.6	15.7	82	0	TA SEEDS TA598-22DPRIB	178.9			63.0	16.2	81	0
Pioneer P0843AM	203.7	209.0	216.0	62.6	15.9	86	0	PROGENY PGY6110VT2P	171.6	191.3		61.9	16.7	81	4
Beck 6082AM™ Brand	202.6			63.2	15.9	78	0	<b>Average</b>	<b>200.3</b>	<b>211.5</b>	<b>220.2</b>	<b>62.0</b>	<b>16.5</b>	<b>85</b>	<b>0</b>
FS InVISION FS 59VL1 EZR	202.4			60.7	16.7	89	0	C.V.	7.6	8.4	8.3	0.9	4.6	11	431
LG Seeds LG5590VT2Pro	201.7			62.5	16.1	84	0	LSD	29.5	23.4	19.2	1.1	1.5	18	2
Seed Consultants SCS 1094YHR™	200.8			63.0	15.7	87	0	Early varieties: <112 days to maturity Shaded cells are not significantly different from top yield (0.10) Planted: April 13, 2017; Harvested: September 9, 2017 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 188/0/0							
Seed Consultants SCS 1086YHR™	200.3	227.0		62.7	14.8	88	0								
Pfister 69B1PCR	200.3			61.8	15.5	86	0								

**Table 4L. Caldwell County Late, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
AgriGold A6711VT2Pro	222.3	205.7	224.2	63.2	17.9	89	0	Pioneer P1637AM	196.0	211.7	234.0	64.2	16.3	82	0
CHANNEL 218-44VT2PRIB	215.4	219.7		63.3	16.7	84	0	LG Seeds LG5700VT2RIB	195.1			61.5	15.8	87	0
CHANNEL 216-36VT2PRIB	211.3			63.8	17.0	92	0	FS InVISION FS 66ZV1 RIB	195.0	184.6		63.3	17.4	70	0
DEKALB DKC70-27RIB	209.1			62.9	17.9	85	0	Armor 1717	192.5			64.1	17.3	78	0
Stewart 17DP387	208.6	201.6		63.7	17.6	91	0	Augusta 1166	187.0			61.8	16.1	87	0
NK Seeds N83D-3111	207.3			62.0	17.5	88	0	Stewart 16DP117	186.2			62.1	18.7	83	0
AgriGold A647-90VT2PRO	206.7			63.5	18.2	89	0	Caverndale CF 888 3000GT	184.0			62.1	18.7	79	0
Seed Consultants SC 11AGT74™	206.4	195.0	217.5	62.2	19.0	81	0	FS InVISION FS 68R44	180.6			61.9	18.8	91	0
Dyna-Gro D58VC65	206.1			63.3	18.3	90	0	Wyffels W8646	179.6			62.6	18.3	86	0
Wyffels W8268RIB	202.8	193.5		62.5	16.6	84	0	Seed Consultants SC- S1168YHR™	176.3			62.2	17.1	71	0
DEKALB DKC66-59RIB	200.9	206.7		62.9	17.8	76	0	REV® 28BHR18	171.4			63.4	18.1	52	0
PROGENY PGY6116VT2P	200.5	195.3		62.2	17.8	78	0	Pioneer P2089VYHR	170.1	181.7	213.6	60.9	18.4	81	0
AgriGold A6659VT2RIB	199.4	202.9	230.4	63.0	16.3	82	0	<b>Average</b>	<b>197.1</b>	<b>200.8</b>	<b>221.9</b>	<b>62.8</b>	<b>17.4</b>	<b>82</b>	<b>0</b>
DEKALB DKC67-44	199.4	221.5		63.6	16.9	79	0	C.V.	7.9	11.1	9.7	0.8	4.1	10	948
Great Lakes 6686VT2PRIB	198.6	200.2		63.2	16.2	86	0	LSD	30.2	30.1	22.1	1.0	1.4	16	0
DEKALB DKC67-72RIB	198.4	188.5	212.0	62.0	16.8	87	0	Late varieties: >115 days to maturity Shaded cells are not significantly different from top yield (0.10) Planted: April 13, 2017; Harvested: September 9, 2017 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 188/0/0							
DEKALB DKC66-75	198.2	203.9		63.2	15.5	86	0								
Armor AXC7116	197.1			62.6	18.7	80	0								
Beck 6774V2P	196.0			63.3	18.5	75	0								

**Table 4M. Caldwell County Medium, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
LG Seeds LG5643VT2RIB	234.4	229.6		63.2	16.4	90	0	Brodbeck 9414	200.6			59.0	18.6	87	0
CHANNEL 215-75VT2PRIB	223.3			61.9	17.5	91	0	NK Seeds N76A-3010	200.5	210.6		58.2	17.0	83	0
Armor 1447P	221.1			63.6	16.6	82	0	Augusta 5162	200.5			62.0	17.5	92	0
Brodbeck 54RA14	219.7	212.9		61.2	16.1	86	0	REV® 23BHR55™	200.1	216.3	194.8	61.1	16.5	87	0
Armor 1667S	218.4			64.3	18.0	83	3	LG Seeds LG5663VT2RIB	199.8	195.9		62.8	18.2	86	0
Beck 6589V2P	216.7	209.6		62.7	18.3	85	0	TA SEEDS TA736-28RIB	199.3			63.8	15.8	73	0
DEKALB DKC64-89RIB	216.5	210.5	195.4	64.0	15.3	84	0	NK Seeds 1405-3220EZ1	198.9			60.2	18.8	84	0
Warren Seed DS 9913SSX	216.0	208.8		61.7	16.7	94	0	Brodbeck 57RA14	198.1	208.4		61.6	17.7	87	0
LG Seeds LG5650VT2RIB	215.8	222.0		65.9	16.4	91	0	AgriGold A645-10VT2RIB	197.4			62.9	17.6	86	0
Seed Consultants SC-S1158YHR™	215.2			62.5	17.3	86	0	Seed Consultants SCS 1125YHR™	197.0	221.9		62.0	15.5	89	0
PROGENY PGY5115VT2P	215.0	206.1		61.3	18.4	84	0	Warren Seed DS 6414	196.9			60.5	18.2	84	0
AgriGold A6544VT2RIB	213.2	228.5		62.6	16.6	85	0	Stewart 15DP438	196.0			63.8	16.7	75	0
AgriGold A6499STXRIB	212.9	231.0	219.2	63.6	17.7	86	0	Pfister 3488PCRA	195.4			58.0	20.2	89	0
Pioneer P1442AM	212.4			63.9	17.1	95	0	Pfister 72G6SSR	195.2			58.3	17.5	88	0
Dyna-Gro D55VC45	211.0			63.9	17.2	91	0	Warren Seed DS 7513	194.6			58.1	20.0	92	0
DEKALB DKC65-20RIB	211.0			63.5	16.4	77	0	AgriGold A6572VT2RIB	194.5	202.5		63.8	17.8	79	0
Stewart 8E753RIB	210.3	218.3	194.2	64.4	17.2	83	0	Hoegemeyer HPT 8572 AM	194.4			62.2	17.3	86	0
Caverndale CF 824 3220 E-Z Refuge	209.7			58.2	17.9	86	0	Pioneer P1257AM	194.3	200.8	188.1	62.2	15.0	87	0
Armor 1340	208.6	199.7		63.9	15.4	82	4	PROGENY PGY4114VT2P	193.9	209.7	193.9	62.9	15.1	80	0
Great Lakes 6224STXRIB	208.6			64.1	16.3	82	0	Stewart 8E663RIB	193.4	210.4	193.6	63.1	17.7	86	0
FS InVISION FS 64R44	208.5			58.5	17.1	81	0	Warren Seed DS 9314SSX	192.3	205.7	187.4	60.2	18.3	87	0
PROGENY PGY7215VT2P	207.8			63.5	18.7	85	0	Warren Seed DS 9412SSX	191.2	205.3	190.8	60.0	17.3	85	0
Armor 1227P	207.5			62.1	15.7	84	0	Hoegemeyer HPT 8294 AM	190.7	205.1		61.7	15.3	84	0
Great Lakes 6401STXRIB	206.9			64.2	17.8	85	0	REV® 25BHR26™	190.2	211.1		64.3	16.0	81	0
DEKALB DKC65-94RIB	206.5			64.1	17.6	86	0	Brodbeck 58RA14	189.9			58.5	17.3	82	0
Armor 1500	206.1	208.2		64.0	17.9	84	0	DEKALB DKC64-35RIB	188.4	206.1		63.9	16.7	69	0
Wyffels W7456RIB	206.1			62.9	18.6	85	0	DEKALB DKC62-78RIB	187.1	197.0		62.5	14.9	82	0
Great Lakes 6571VT2RIB	205.9			62.9	16.5	86	0	TA SEEDS TA758-28RIB	186.3			63.0	17.7	78	0
Seed Consultants SC 11AQ15™	205.3	202.3		61.1	18.7	90	0	Beck 6368V2P	185.3			61.5	16.2	82	0
Seed Consultants SC-S1131YHR™	204.8			63.2	16.8	88	0	TA SEEDS TA765-30	183.6	212.3	196.8	64.5	16.8	87	0
DEKALB DKC62-52RIB	204.5			62.7	16.8	85	0	FS InVISION FS 62R44	182.0			61.6	17.7	88	0
Pfister 74A2RR	204.1			60.0	19.0	92	0	AgriGold A643-87GT3	180.5			61.3	17.2	84	0
Pioneer P1316AM	203.7	205.4		63.5	15.9	94	0	Wyffels W7696RIB	180.2	199.7		62.1	16.3	86	0
Seed Consultants SCS 1136YHR™	203.5	220.8		64.5	16.1	88	0	Pfister 2874PCRA	177.7			59.3	18.8	87	0
PROGENY PGY8116SS	203.1			63.4	17.3	89	3	LG Seeds LG5616-3000GT	177.2			61.8	16.9	89	0
Stewart 8E623RIB	202.9			62.5	17.2	82	0	FS InVISION FS 63ZX1 RIB	167.2			62.7	17.6	85	0
Great Lakes 6369VT2RIB	202.9			63.3	17.0	79	0	<b>Average</b>	<b>201.1</b>	<b>210.2</b>	<b>195.4</b>	<b>62.3</b>	<b>17.1</b>	<b>85</b>	<b>0</b>
Hoegemeyer HPT 8414 AM	202.8			61.5	15.5	86	0	C.V.	10.2	10.0	10.0	2.0	4.9	10	779
Augusta 1165	202.5			62.5	18.5	87	0	LSD	39.5	27.9	19.4	2.4	1.6	16	1
Beck 6365AM™*	201.6	216.6		67.8	15.5	89	0	Medium varieties: 112-115 days to maturity Shaded cells are not significantly different from top yield (0.10) Planted: April 13, 2017; Harvested: September 9, 2017 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 188/0/0							

**Table 4W. Caldwell County White, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer 32B16	168.9	165.3	194.5	63.7	16.6	86	0
Pioneer P1306WHR	194.8	196.5		64.5	15.2	85	0
Pioneer P1477WHR	199.4	198.7	221.0	65.1	16.3	91	0
Pioneer P1618WAM	190.9			66.3	16.0	84	0
Pioneer P1620WAM	172.5			65.8	16.4	76	0
<b>Average</b>	<b>186.2</b>	<b>186.9</b>	<b>207.7</b>	<b>65.0</b>	<b>16.1</b>	<b>86</b>	<b>0</b>
C.V.	9.2	8.6	7.3	1.0	3.7	8	0
LSD	44.0	24.2	17.0	1.5	1.3	18	0

Shaded cells are not significantly different from top yield (0.10)

Planted: April 13, 2017; Harvested: September 9, 2017

Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 188/0/0

**Table 4C. Caldwell County Conventional, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017						
DEKALB DKC62-06	210.3			63.7	15.8	86	1
Masters Choice MC6750	191.6			62.5	18.4	86	0
DEKALB DKC61-52	187.2			64.0	14.1	91	0
DEKALB DKC64-85	184.6			64.1	15.4	84	1
Caverndale CF 790	181.8			65.1	15.8	86	1
Pfister 2874CONV	174.4			59.7	17.7	86	1
Pfister 3488CONV	173.9			58.8	18.4	90	0
FS InVISION FS 65D00	153.8			66.0	16.3	83	1
FS InVISION FS 63Z00	150.2			64.2	15.7	80	1
FS InVISION FS 62B00	147.9			61.2	16.0	88	1
Masters Choice MC6150	147.5			59.7	17.0	67	2
Masters Choice MC6580	142.7			58.9	19.7	71	2
<b>Average</b>	<b>170.5</b>			<b>62.3</b>	<b>16.7</b>	<b>83</b>	<b>1</b>
CV	14.8			1.4	5.5	8	141
LSD	51.8			1.8	1.9	14	2

Shaded cells are not significantly different from top yield (0.10)

Planted: April 13, 2017; Harvested: September 9, 2017

Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 188/0/0

**Table 5. Caldwell County, 2017**

	Precipitation (in)	Temperature Average
March	4.06	49.2
April	4.29	62.3
May	4.41	66.3
June	5.41	72.9
July	2.23	77.8
August	1.96	74.1
September	3.35	70.1

**Table 6E. Daviess County Early Irrigated, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Hoegemeyer HPT 8091 AM	273.0			61.6	18.9	95	0	Dyna-Gro CX17212	245.2			63.0	19.5	94	0
TA SEEDS TA598-22DPRIB	272.1			63.7	17.8	98	0	LG Seeds LG5590VT2Pro	245.1			62.5	18.2	94	0
Stewart 11DP718	267.0			61.7	21.5	98	0	AgriGold A642-59STX	244.2			62.9	18.9	95	0
Seed Consultants SCS 1086YHR™	266.8	226.0		61.2	18.6	97	0	Caverndale CF 804 3120 E-Z Refuge	241.3			60.8	20.4	96	0
DEKALB DKC60-88RIB	266.5			63.0	18.9	96	0	NK Seeds N66V-3000GT	240.5	215.4		61.9	19.1	97	0
Seed Consultants SCS 1105YHR™	264.3	228.8	233.9	61.8	18.4	99	0	Seed Consultants SCS 1094YHR™	237.1			62.4	19.2	96	0
Brodbeck 55RA07	262.4			62.0	18.6	91	0	Brodbeck 57RA10	236.3	193.4		60.3	19.2	95	0
FS InVISION FS 59VL1 EZR	260.0			57.9	22.0	91	0	Pioneer P0843AM	235.4	210.3	221.2	63.0	18.7	97	0
AgriGold A639-40VT2PRO	259.8			61.4	18.9	94	0	Armor 0909	233.4	207.3		62.1	17.7	92	0
PROGENY PGY7111VT2P	259.7			60.3	21.6	90	0	Seed Consultants SC 11AQ17™	230.7	207.9		59.3	25.1	93	0
Beck 6082AM™™ Brand	259.4			61.5	20.2	92	0	Brodbeck 48RA11	230.1			57.3	24.6	100	0
Pfister 69B1PCR	256.6			61.0	18.8	95	0	PROGENY PGY6110VT2P	227.8	195.0		62.1	18.9	87	0
Great Lakes 5910VT2RIB	255.4			64.8	19.7	98	1	AgriGold A640-77VT2PRO	223.4			63.2	19.4	89	0
Pfister 70A1SSRA	253.9			59.9	19.9	95	0	Brodbeck 9808	212.6			60.7	19.7	93	0
Armor AXC7110	253.4			63.6	17.9	96	0	<b>Average</b>	<b>248.0</b>	<b>212.2</b>	<b>224.6</b>	<b>61.7</b>	<b>19.7</b>	<b>95</b>	<b>0</b>
LG Seeds LG5555VT2RIB	253.4			62.0	19.9	95	0	C.V.	7.9	8.6	7.6	2.4	4.8	4	532
FS InVISION FS 60QV1 RIB	250.0			61.2	19.1	94	0	LSD	38.1	27.4	19.7	2.9	1.8	7	0
Warren Seed DS 9610	249.8	217.4	217.2	61.0	20.1	95	0	Early varieties: <112 days to maturity							
Pioneer P1197AM	248.1	220.6	226.2	63.4	18.4	97	0	Shaded cells are not significantly different from top yield (0.10)							
Pfister 71CPCRA	247.2			58.1	24.5	96	0	Planted: April 10, 2017; Harvested: September 6, 2017							
								Soil type: Elk Silt Loam; Previous crop: Soybean; Fertilizer 236/104/135							

**Table 6L. Daviess County Late Irrigated, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Stewart 17DP387	275.4	224.5		63.9	23.3	96	0	Pioneer P1637AM	237.7	211.3	219.3	61.7	23.6	96	1
Dyna-Gro D58VC65	274.0			60.8	24.8	96	0	DEKALB DKC70-27RIB	237.3			61.9	24.9	97	0
AgriGold A6659VT2RIB	258.4	223.4	219.4	61.9	23.2	95	0	Armor AXC7116	234.4			61.9	23.9	95	0
DEKALB DKC67-44	256.4	238.4		62.8	22.6	96	0	Seed Consultants SC 11AGT74™	233.8	211.6	222.9	60.2	26.6	92	0
AgriGold A647-90VT2PRO	255.8			60.9	25.9	96	0	Pioneer P2089VYHR	233.1	204.1	207.3	59.7	26.3	94	0
Wyffels W8646	255.4			61.5	24.7	97	0	CHANNEL 216-36VT2PRIB	232.9			62.4	22.2	96	0
Wyffels W8268RIB	254.5	217.3		61.6	21.8	95	0	PROGENY PGY6116VT2P	228.2	198.3		61.1	23.5	90	1
Seed Consultants SC-S1168YHR™	254.1			61.5	23.6	94	0	AgriGold A6711VT2Pro	228.0	192.0	207.9	62.9	22.0	98	1
Augusta 1166	254.0			60.5	24.1	94	0	LG Seeds LG5700VT2RIB	224.6			61.9	20.7	96	0
Stewart 16DP117	253.6			62.4	24.2	98	0	FS InVISION FS 68R44	223.6			60.7	25.2	95	0
CHANNEL 218-44VT2PRIB	252.3	216.5		63.2	21.6	98	1	REV® 28BHR18	218.6			62.2	24.0	77	0
DEKALB DKC66-59RIB	251.9	230.5		61.0	25.7	90	0	DEKALB DKC67-72RIB	215.4	202.2	205.5	61.5	23.0	96	0
Caverndale CF 888 3000GT	246.6			60.4	25.6	97	0	DEKALB DKC66-75	209.9	198.8		62.5	21.7	96	0
Beck 6774V2P	246.1			61.7	25.7	93	0	<b>Average</b>	<b>242.0</b>	<b>213.1</b>	<b>213.7</b>	<b>61.8</b>	<b>23.9</b>	<b>95</b>	<b>0</b>
NK Seeds N83D-3111	245.9			59.8	26.6	93	0	C.V.	10.7	10.0	10.0	1.9	5.7	3	360
Great Lakes 6686VT2PRIB	242.8	213.1		63.1	23.5	97	0	LSD	50.8	30.4	24.8	2.3	2.7	5	1
FS InVISION FS 66ZV1 RIB	240.4	214.3		63.4	22.1	97	0	Late varieties: >115 days to maturity							
Armor 1717	239.7			64.8	24.2	91	0	Shaded cells are not significantly different from top yield (0.10)							
								Planted: April 10, 2017; Harvested: September 6, 2017							
								Soil type: Elk Silt Loam; Previous crop: Soybean; Fertilizer 236/104/135							

**Table 6M. Daviess County Medium Irrigated, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
DEKALB DKC64-35RIB	287.3	241.3		64.2	18.8	100	0	Beck 6368V2P	260.2			61.7	21.1	97	0
Great Lakes 6571VT2RIB	286.0			61.9	20.2	98	0	DEKALB DKC65-94RIB	259.1			63.5	20.5	94	0
DEKALB DKC65-20RIB	284.2			61.8	21.5	99	0	Wyffels W7696RIB	258.9	225.8		61.9	21.7	97	0
Dyna-Gro D55VC45	283.6			63.4	20.6	94	0	AgriGold A6544VT2RIB	258.7	224.8		62.3	19.5	99	0
Armor 1447P	280.4			63.2	20.2	95	0	Brodbeck 54RA14	258.6	216.8		59.4	22.5	94	0
Beck 6589V2P	277.1	226.2		62.7	21.9	96	0	Armor 1227P	257.8			63.4	19.2	92	0
LG Seeds LG5663VT2RIB	277.1	222.1	220.9	62.2	21.9	96	0	Stewart 15DP438	256.8			62.7	22.0	91	0
Armor 1667S	275.8			63.7	21.9	96	0	FS InVISION FS 64R44	256.7			57.6	21.1	92	0
Seed Consultants SCS 1136YHR™	275.4	234.2		63.2	20.1	98	0	Seed Consultants SCS 1125YHR™	256.2	226.1	232.2	61.8	20.4	95	0
Great Lakes 6401STXRIB	275.1			63.8	20.3	96	0	Warren Seed DS 9412SSX	255.5	216.7	219.2	62.2	23.8	98	0
AgriGold A6572VT2RIB	275.0	229.7		64.4	19.9	100	0	Armor 1500	254.4	211.9		63.2	21.7	94	0
Stewart 8E623RIB	274.5			59.9	22.1	99	0	Stewart 16DP117	253.6			62.4	24.2	98	0
Hoegemeyer HPT 8414 AM	274.3			60.5	22.2	97	0	Stewart 8E663RIB	253.6	223.4	222.4	63.8	19.5	99	0
Pioneer P1316AM	274.2	232.4		61.8	21.4	97	0	FS InVISION FS 63ZX1 RIB	252.4			62.9	21.8	97	0
DEKALB DKC64-89RIB	273.2	233.6	239.1	60.3	23.7	97	0	PROGENY PGY4114VT2P	252.3	221.0	222.0	62.1	19.2	97	0
Stewart 8E753RIB	271.9	223.8	231.0	62.6	22.6	95	0	TA SEEDS TA765-30	252.2	230.7	240.2	62.4	22.5	95	0
Beck 6365AM™*	271.7	230.7	248.6	62.2	19.2	97	0	Warren Seed DS 9314SSX	251.8	220.9	223.9	59.0	21.3	96	0
REV® 23BHR55™	271.6	238.8	240.4	61.0	20.2	94	0	Pfister 2874PCRA	249.8			56.7	22.7	97	0
Seed Consultants SC-S1131YHR™	270.9			61.6	23.0	95	0	Caverndale CF 824 3220 E-Z Refuge	249.7			58.0	20.8	94	0
AgriGold A645-10VT2RIB	270.4			61.7	23.1	96	0	FS InVISION FS 62R44	248.5			61.2	20.3	92	0
TA SEEDS TA736-28RIB	270.3			62.8	20.5	91	0	Pfister 72G6SSR	248.3			57.9	24.1	97	0
Great Lakes 6224STXRIB	269.2			63.3	19.1	94	0	LG Seeds LG5643VT2RIB	248.0	227.7		62.0	19.4	97	0
REV® 25BHR26™	268.8	235.8	245.6	63.9	19.9	96	0	PROGENY PGY7215VT2P	247.1			62.8	21.6	94	0
NK Seeds N76A-3010	268.5	232.4	239.2	58.2	20.4	93	0	Armor 1340	244.9	217.8		63.6	19.6	94	0
Warren Seed DS 9913SSX	268.4	224.1		60.4	23.0	94	0	Seed Consultants SC 11AQ15™	244.7	212.2		60.0	25.2	93	0
Hoegemeyer HPT 8294 AM	267.5	228.4		61.9	19.9	96	0	Wyffels W7456RIB	241.7			63.2	20.8	95	0
DEKALB DKC62-52RIB	266.7			62.5	19.8	96	0	Warren Seed DS 7513	240.6			58.1	24.7	95	0
AgriGold A6499STXRIB	266.6	224.1	230.6	62.6	21.6	98	0	Pioneer P1257AM	240.2	216.7	217.8	63.8	18.3	95	0
Augusta 1165	266.3			61.1	23.2	96	0	LG Seeds LG5616-3000GT	237.1			59.4	21.3	96	0
Hoegemeyer HPT 8572 AM	265.2			60.5	23.6	98	0	Brodbeck 9414	236.0			57.2	23.7	98	0
LG Seeds LG5650VT2RIB	264.5	221.1		63.6	21.3	96	0	Warren Seed DS 6414	234.8			59.2	23.9	94	0
Brodbeck 57RA14	264.4	220.4		61.5	21.4	100	0	Pioneer P1442AM	233.8			62.4	21.2	98	0
Great Lakes 6369VT2RIB	264.3			62.9	20.0	96	0	NK Seeds 1405-3220EZ1	232.6			58.6	22.5	98	0
CHANNEL 215-75VT2PRIB	263.9			61.5	20.4	92	0	Augusta 5162	231.8			62.1	20.2	94	0
DEKALB DKC62-78RIB	263.7	215.7	209.4	63.0	18.7	93	0	Pfister 3488PCRA	222.2			58.2	25.1	92	0
Brodbeck 58RA14	262.9			57.4	23.5	96	0	Pfister 74A2RR	221.6			59.3	23.4	89	0
Seed Consultants SC-S1158YHR™	262.4			61.2	23.3	97	0	AgriGold A643-87GT3	217.5			61.3	20.2	96	0
PROGENY PGY5115VT2P	262.0	208.5	209.5	61.6	21.7	95	0	<b>Average</b>	<b>259.3</b>	<b>224.7</b>	<b>228.9</b>	<b>61.5</b>	<b>21.5</b>	<b>96</b>	<b>0</b>
TA SEEDS TA758-28RIB	260.6			62.9	22.9	92	0	C.V.	7.8	7.8	8.5	2.1	5.1	3	391
PROGENY PGY8116SS	260.5			62.5	22.8	99	0	LSD	39.1	25.1	19.2	2.5	2.1	6	0

**Table 6W. Daviess County White Irrigated, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer 32B16	257.0	216.7	213.2	62.1	23.6	96	6
Pioneer P1306WHR	255.3	225.8		64.0	19.6	95	1
Pioneer P1618WAM	245.5			63.8	21.8	93	0
Pioneer P1620WAM	244.8			65.0	20.7	92	0
Pioneer P1477WHR	242.9	208.5	222.0	63.2	23.4	95	1
<b>Average</b>	<b>245.6</b>	<b>217.0</b>	<b>217.6</b>	<b>63.5</b>	<b>22.0</b>	<b>95</b>	<b>2</b>
C.V.	6.3	5.6	6.0	0.9	3.8	2	138
LSD	35.2	18.5	15.7	1.3	1.9	5	7

Shaded cells are not significantly different from top yield (0.10)

Planted: April 10, 2017; Harvested: September 6, 2017

Soil type: Elk Silt Loam; Previous crop: Soybean; Fertilizer 236/104/135

**Table 6C. Daviess County Conventional Irrigated, 2017**

Name	YIELD	TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	(BU/AC) 2017				
FS InVISION FS 62B00	223.2	59.3	22.0	93	0
FS InVISION FS 63Z00	207.5	63.3	21.9	96	1
DEKALB DKC61-52	205.6	60.6	22.6	94	0
FS InVISION FS 65D00	202.5	61.9	25.7	90	0
Masters Choice MC6750	195.0	59.8	24.2	90	0
Masters Choice MC6580	184.1	57.2	26.8	90	0
Pfister 2874CONV	181.4	58.2	23.1	91	0
Pfister 3488CONV	178.2	56.1	22.2	95	0
DEKALB DKC64-85	177.1	61.9	21.2	90	0
Caverndale CF 790	163.1	62.3	24.1	89	0
Masters Choice MC6150	146.2	56.6	25.1	83	0
DEKALB DKC62-06	136.7	62.3	20.3	97	1
<b>Average</b>	<b>183.4</b>	<b>60.0</b>	<b>23.3</b>	<b>91</b>	<b>0</b>
CV	17.4	1.6	5.3	6	276
LSD	65.3	1.9	2.5	12	1

Shaded cells are not significantly different from top yield (0.10)

Planted: April 10, 2017; Harvested: September 6, 2017

Soil type: Elk Silt Loam; Previous crop: Soybean; Fertilizer 236/104/135

**Table 7. Daviess County, 2017**

	Precipitation (in)	Irrigation	Temperature Average
March	3.7	0	47.8
April	4.46	0	61.9
May	4.4	0.5	66.6
June	1.44	2.5	72.7
July	2.2	2.5	76.8
August	4.51	1	72.8
September	2.9	0	69.6

**Table 8E. Fayette County Early, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Hoegemeyer HPT 8091 AM	261.4			61.3	14.7	99	0	Seed Consultants SCS 1094YHR™	228.7			61.1	16.0	102	0
Armor AXC7110	248.4			63.7	14.8	99	0	LG Seeds LG5590VT2Pro	227.0			60.7	16.0	95	0
AgriGold A642-59STX	244.3			61.8	15.8	98	0	Brodbeck 55RA07	225.5			60.8	16.1	100	0
Pfister 71CPCRA	242.4			60.2	17.0	98	0	Caverdale CF 804 3120 E-Z Refuge	222.7			62.4	16.5	100	0
DEKALB DKC60-88RIB	241.8			62.2	14.3	102	0	Beck 6082AMtm*Brand	220.0			61.0	15.5	95	0
Pfister 70A1SSRA	240.0			59.0	16.4	97	0	NK Seeds N66V-3000GT	219.8	209.6		58.5	15.6	101	0
AgriGold A639-40VT2PRO	238.5			60.9	16.0	94	0	Seed Consultants SC 11AQ17™	219.1	209.1		58.3	20.6	98	1
Great Lakes 5910VT2RIB	236.6			62.8	13.7	100	1	Brodbeck 48RA11	216.9			59.9	16.2	96	0
Pioneer P1197AM	236.5	225.7	228.3	60.8	16.1	97	0	Pfister 69B1PCR	215.8			60.9	15.6	100	0
Stewart 11DP718	236.0			60.6	16.6	98	0	Seed Consultants SCS 1086YHR™	210.7	208.2		60.1	15.9	99	0
PROGENY PGY7111VT2P	235.4			62.1	16.1	97	0	Warren Seed DS 9610	210.4	207.7	216.9	59.2	16.4	96	0
Brodbeck 57RA10	235.2	216.8		59.5	15.9	98	0	Brodbeck 9808	207.8			60.8	16.0	103	0
AgriGold A640-77VT2PRO	234.8			63.1	15.3	100	0	PROGENY PGY6110VT2P	198.7	198.5		60.8	16.0	84	0
Pioneer P0843AM	233.2	217.7	223.8	62.2	15.8	97	0	<b>Average</b>	<b>229.0</b>	<b>213.1</b>	<b>223.4</b>	<b>60.9</b>	<b>15.8</b>	<b>98</b>	<b>0</b>
FS InVISION FS 60QV1 RIB	231.6			59.5	16.1	95	1	C.V.	6.1	6.3	7.3	1.3	4.3	3	387
TA SEEDS TA598-22DPRIB	230.6			62.5	14.5	99	0	LSD	27.1	19.0	18.1	1.5	1.3	5	1
Seed Consultants SCS 1105YHR™	230.6	217.4	224.6	61.1	14.5	100	0	Early varieties: <112 days to maturity							
LG Seeds LG5555VT2RIB	230.0			60.7	15.6	95	0	Shaded cells are not significantly different from top yield (0.10)							
Dyna-Gro CX17212	229.7			59.5	16.8	99	0	Planted: April 25, 2017; Harvested: September 27, 2017							
Armor 0909	229.2	220.5		60.1	15.5	95	0	Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer 187/0/0							
FS InVISION FS 59VL1 EZR	228.9			59.6	14.8	95	0								

**Table 8L. Fayette County Late, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
FS InVISION FS 66ZV1 RIB	250.4	218.8		63.0	16.7	94	0	DEKALB DKC66-75	229.2	206.1		60.4	15.5	96	0
Wyffels W8268RIB	248.8	215.2		59.7	17.7	93	0	LG Seeds LG5700VT2RIB	228.8			60.1	16.1	98	0
DEKALB DKC67-44	245.9	218.6		62.4	15.7	94	0	Stewart 16DP117	225.0			61.4	18.6	85	0
Seed Consultants SC-S1168YHR™	245.6			60.9	18.0	89	0	Pioneer P1637AM	224.5	206.8	226.8	61.8	17.8	97	0
AgriGold A647-90VT2PRO	244.3			63.3	17.1	96	0	Armor 1717	224.0			62.6	18.3	91	0
DEKALB DKC66-59RIB	242.7	210.3		60.6	17.3	96	0	AgriGold A6711VT2Pro	223.3	194.6	204.6	61.4	17.8	100	0
DEKALB DKC70-27RIB	242.6			62.3	19.6	95	0	Beck 6774V2P	222.1			62.7	18.7	95	0
Armor AXC7116	239.5			61.7	18.2	96	0	Seed Consultants SC 11AGT74™	221.2	195.3	207.4	61.1	18.7	92	0
CHANNEL 218-44VT2PRIB	239.0	209.3		61.0	16.3	97	0	REV® 28BHR18	215.3			62.3	17.8	80	0
Augusta 1166	237.4			60.7	15.6	100	0	NK Seeds N83D-3111	215.1			60.7	20.2	94	0
Stewart 17DP387	236.7	214.1		62.5	17.8	100	0	Pioneer P2089VYHR	212.1	192.0	217.7	58.4	20.9	96	0
CHANNEL 216-36VT2PRIB	235.8			61.9	15.0	98	0	AgriGold A6659VT2RIB	208.4	191.1	211.7	61.1	17.5	96	0
Great Lakes 6686VT2PRIB	235.8	212.6		61.2	17.4	97	0	<b>Average</b>	<b>232.1</b>	<b>206.8</b>	<b>215.2</b>	<b>61.3</b>	<b>17.8</b>	<b>95</b>	<b>0</b>
PROGENY PGY6116VT2P	234.1	208.9		60.0	17.5	96	0	C.V.	7.4	8.3	8.9	1.6	6.1	4	659
Dyna-Gro D58VC65	233.3			62.3	17.9	93	0	LSD	33.7	24.4	21.5	1.9	2.1	7	0
Wyffels W8646	233.3			62.0	18.2	96	0	Late varieties: >115 days to maturity							
DEKALB DKC67-72RIB	232.8	208.8	222.7	60.3	18.6	98	0	Shaded cells are not significantly different from top yield (0.10)							
Caverdale CF 888 3000GT	231.4			59.2	21.7	95	0	Planted: April 25, 2017; Harvested: September 27, 2017							
FS InVISION FS 68R44	229.8			60.7	19.6	91	0	Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer 187/0/0							

**Table 8M. Fayette County Medium, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Armor 1447P	262.0			63.3	15.6	87	0	Pfister 72G6SSR	229.0			57.8	16.5	85	0
DEKALB DKC64-35RIB	254.5	226.1		61.6	14.0	87	0	AgriGold A645-10VT2RIB	228.9			62.3	16.2	83	0
Hoegemeyer HPT 8414 AM	250.0			60.2	15.5	89	0	Beck 6368V2P	228.9			59.9	15.2	85	0
Hoegemeyer HPT 8572 AM	243.6			61.5	16.3	88	0	Great Lakes 6571VT2RIB	227.9			61.0	16.7	87	0
LG Seeds LG5663VT2RIB	243.5	218.2	224.7	61.6	17.4	85	0	Dyna-Gro D55VC45	227.1			61.7	14.9	85	0
Armor 1667S	241.7			63.1	17.2	84	0	Augusta 1165	227.0			61.1	18.7	88	0
Brodbeck 54RA14	240.4	223.8		59.8	17.2	85	0	Augusta 5162	225.9			62.8	15.2	85	0
Great Lakes 6224STXRIB	240.0			63.0	15.8	85	0	AgriGold A6544VT2RIB	225.7	216.4		60.7	16.8	84	0
Wyffels W7456RIB	240.0			61.8	17.8	93	0	PROGENY PGY5115VT2P	225.5	212.1	223.9	61.5	16.8	85	0
Seed Consultants SC-S1158YHR™	239.7			61.0	16.6	87	0	Armor 1227P	224.6			60.5	14.1	86	1
Brodbeck 57RA14	237.5	217.3		60.8	16.1	88	0	Brodbeck 58RA14	224.3			58.6	16.4	86	1
TA SEEDS TA765-30	236.8	204.8	218.9	63.0	17.8	85	0	Pioneer P1316AM	223.1	211.2		60.6	17.3	83	1
LG Seeds LG5643VT2RIB	236.7	216.1		60.3	16.8	86	0	Brodbeck 9414	223.0			58.2	17.2	86	0
Beck 6589V2P	236.5	216.5		62.3	16.5	83	0	Warren Seed DS 6414	222.8			59.8	17.2	81	0
Hoegemeyer HPT 8294 AM	236.5	214.7		59.2	15.5	83	0	Stewart 8E623RIB	222.2			61.2	14.2	87	0
Great Lakes 6369VT2RIB	236.3			61.6	15.0	85	0	DEKALB DKC65-94RIB	222.1			63.0	15.2	83	0
DEKALB DKC62-52RIB	236.0			61.9	14.4	87	0	Warren Seed DS 9314SSX	221.5	197.6	209.4	60.0	16.5	85	0
AgriGold A6499STXRIB	235.2	221.1	234.1	62.1	15.4	87	0	LG Seeds LG5616-3000GT	220.1			62.0	15.3	86	0
AgriGold A6572VT2RIB	235.1	218.6		63.5	14.5	87	0	FS InVISION FS 62R44	219.7			62.1	15.0	87	1
DEKALB DKC64-89RIB	233.4	216.1	230.6	62.0	13.5	85	0	Wyffels W7696RIB	219.1	190.3		61.0	15.8	85	0
NK Seeds N76A-3010	233.2	214.1	214.7	57.7	15.8	86	0	Pioneer P1442AM	218.5			61.7	17.3	87	0
Warren Seed DS 9913SSX	233.0	210.3		61.5	16.1	86	0	Pfister 74A2RR	217.8			59.8	17.4	82	0
Stewart 15DP438	232.6			62.4	15.4	85	0	Stewart 8E753RIB	217.5	204.4	226.2	62.9	16.9	85	0
Armor 1340	232.4	208.8		61.7	14.7	83	1	PROGENY PGY7215VT2P	217.3			61.8	16.7	79	0
Seed Consultants SCS 1125YHR™	232.0	217.9	222.8	59.6	15.1	87	0	Pfister 2874PCRA	214.8			60.3	15.0	86	0
FS InVISION FS 63ZX1 RIB	231.9			61.1	16.1	87	0	Pioneer P1257AM	212.9	193.6	200.2	59.2	15.0	86	0
REV® 25BHR26™	231.7	202.7	217.2	62.6	16.0	87	0	DEKALB DKC62-78RIB	212.8	198.8	213.1	60.8	13.6	85	0
Caverndale CF 824 3220 E-Z Refuge	231.5			57.1	16.8	84	0	FS InVISION FS 64R44	212.6			56.3	16.9	82	0
Great Lakes 6401STXRIB	231.2			64.1	15.0	87	0	Seed Consultants SC 11AQ15™	211.9	200.7		59.8	18.3	82	0
PROGENY PGY8116SS	231.1			62.8	16.1	86	0	Stewart 8E663RIB	209.8	209.1	229.2	62.1	15.7	88	0
TA SEEDS TA758-28RIB	231.0			61.7	16.6	83	1	NK Seeds 1405-3220EZ1	208.4			59.0	17.1	84	0
PROGENY PGY4114VT2P	231.0	218.4	228.0	61.0	13.1	84	0	TA SEEDS TA736-28RIB	207.7			62.1	15.4	83	0
Armor 1500	230.9	210.8		62.0	16.7	85	0	Seed Consultants SC-S1131YHR™	207.5			61.9	16.9	81	0
DEKALB DKC65-20RIB	230.5			62.1	14.1	85	0	Beck 6365AM™*	206.8	197.1	206.5	59.9	15.6	86	0
Seed Consultants SCS 1136YHR™	230.3	198.5		62.5	16.5	88	0	Pfister 3488PCRA	205.4			58.5	17.7	82	0
CHANNEL 215-75VT2PRIB	230.1			61.0	15.6	83	0	AgriGold A643-87GT3	203.3			62.0	15.4	87	0
Warren Seed DS 7513	230.1			60.7	15.3	86	0	<b>Average</b>	<b>227.6</b>	<b>210.2</b>	<b>220.7</b>	<b>61.0</b>	<b>16.0</b>	<b>85</b>	<b>0</b>
LG Seeds LG5650VT2RIB	229.5	217.7		62.4	15.1	88	0	C.V.	5.9	7.8	8.1	1.2	4.8	4	454
Warren Seed DS 9212SSX	229.3	217.4	228.5	60.2	16.8	84	0	LSD	25.7	22.7	17.1	1.5	1.5	6	1
REV® 23BHR55™	229.2	202.3	223.6	59.5	16.0	87	0	Medium varieties: 112-115 days to maturity Shaded cells are not significantly different from top yield (0.10) Planted: April 25, 2017; Harvested: September 27, 2017 Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer 187/0/0							

**Table 8W. Fayette County White, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer P1306WHR	238.8	211.2		64.7	15.4	95	0
Pioneer P1477WHR	230.8	209.9	207.8	64.8	16.8	96	0
Pioneer P1618WAM	215.6			65.0	15.7	93	0
Pioneer P1620WAM	215.2			66.5	16.8	95	0
Pioneer 32B16	196.8	183.8	185.9	62.3	17.0	96	0
<b>Average</b>	<b>217.3</b>	<b>201.6</b>	<b>196.8</b>	<b>64.5</b>	<b>16.4</b>	<b>95</b>	<b>0</b>
C.V.	7.6	9.9	10.0	1.4	2.9	3	424
LSD	37.2	30.0	23.9	2.1	1.1	7	0

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 25, 2017; Harvested: September 27, 2017  
 Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer 187/0/0

**Table 10W; Fulton County White Irrigated, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer P1477WHR	202.6	222.5	227.9	65.7	15.4	97	0
Pioneer P1306WHR	187.2	207.5		65.0	14.0	92	0
Pioneer P1620WAM	187.2			66.5	15.6	93	0
Pioneer 32B16	183.8	210.4	227.5	64.3	16.6	94	0
Pioneer P1618WAM	148.7			65.3	15.1	90	0
<b>Average</b>	<b>180.6</b>	<b>213.5</b>	<b>227.7</b>	<b>65.3</b>	<b>15.5</b>	<b>94</b>	<b>0</b>
C.V.	15.5	15.4	12.7	0.8	4.4	4	189
LSD	63.1	45.3	30.5	1.1	1.5	8	0

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 12, 2017; Harvested: September 8, 2017  
 Soil type: Ware Silt Loam; Previous crop: Corn

**Table 8C. Fayette County Conventional, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017						
FS InVISION FS 62B00	238.4			60.1	17.2	95	0
Masters Choice MC6750	230.4			60.8	19.2	96	0
Caverndale CF 790	230.1			63.9	16.7	91	0
DEKALB DKC62-06	229.1			62.2	13.2	100	0
Pfister 3488CONV	226.7			58.2	16.3	96	0
FS InVISION FS 63Z00	219.3			63.7	15.0	94	0
FS InVISION FS 65D00	215.1			64.2	16.6	91	0
DEKALB DKC64-85	207.3			67.9	13.4	93	1
Masters Choice MC6580	205.7			59.8	17.4	94	0
DEKALB DKC61-52	196.8			62.7	13.5	98	0
Pfister 2874CONV	187.7			61.0	13.5	99	0
Masters Choice MC6150	187.2			57.4	17.6	88	0
<b>Average</b>	<b>214.5</b>	<b>61.8</b>	<b>15.8</b>	<b>94</b>	<b>0</b>		
CV	8.9	5.0	7.7	3	481		
LSD	39.2	6.4	2.5	6	1		

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 25, 2017; Harvested: September 27, 2017  
 Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer 187/0/0

**Table 10C. Fulton County Conventional Irrigated, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017						
DEKALB DKC61-52	182.2			63.8	13.5	85	0
FS InVISION FS 62B00	182.0			61.8	15.1	94	1
FS InVISION FS 65D00	167.3			65.2	16.0	88	1
Pfister 2874CONV	151.5			59.9	15.2	95	0
DEKALB DKC64-85	150.0			62.7	13.4	93	0
DEKALB DKC62-06	141.4			62.5	14.5	86	0
Pfister 3488CONV	135.1			58.4	14.6	90	0
Caverndale CF 790	133.7			63.8	16.0	76	1
FS InVISION FS 63Z00	126.8			62.7	14.3	75	1
Masters Choice MC6580	121.7			60.5	16.4	85	1
Masters Choice MC6150	114.3			58.3	14.5	77	1
Masters Choice MC6750	113.6			60.8	16.7	88	0
<b>Average</b>	<b>143.3</b>	<b>61.7</b>	<b>15.0</b>	<b>86</b>	<b>0</b>		
CV	17.5	2.1	5.3	12	227		
LSD	51.4	2.6	1.6	21	2		

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 12, 2017; Harvested: September 8, 2017  
 Soil type: Ware Silt Loam; Previous crop: Corn

**Table 9. Fayette County, 2017**

	Precipitation (in)	Temperature Average
March	2.94	46.6
April	2.72	61.2
May	5.71	64.4
June	5.1	71.5
July	2.7	76.2
August	4.13	72.4
September	4.04	67.4

**Table 11. Fulton County, 2017**

	Precipitation (in)	Temperature Average
March	6.09	51.2
April	8.65	63.1
May	3.48	67.8
June	2.94	75.6
July	1.75	79.2
August	3.59	74.2
September	1.77	70.7

**Table 12E. Hardin County Early, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
PROGENY PGY7111VT2P	232.1			57.9	23.6	77	0	Seed Consultants SC 11AQ17™	192.2	192.4		56.0	26.2	75	0
Beck 6082AM™* Brand	229.2			57.9	23.7	77	0	LG Seeds LG5590VT2Pro	186.5			56.9	20.5	81	0
Stewart 11DP718	227.0			56.5	25.7	79	0	AgriGold A642-59STX	186.4			57.9	23.4	75	0
Hoegemeyer HPT 8091 AM	226.6			56.9	21.1	78	0	Caverndale CF 804 3120 E-Z Refuge	184.9			57.4	23.6	84	0
Seed Consultants SCS 1105YHR™	224.1	215.0	217.7	57.5	23.2	84	0	Dyna-Gro CX17212	184.7			58.0	22.8	73	0
Pfister 70A1SSRA	221.5			55.6	23.3	82	0	AgriGold A639-40VT2PRO	183.2			56.4	21.3	80	0
Brodbeck 57RA10	217.4	201.7		55.5	24.8	71	0	NK Seeds N66V-3000GT	183.0	188.3		56.6	22.9	83	0
Pioneer P1197AM	214.3	208.1	211.2	57.5	23.4	80	0	PROGENY PGY6110VT2P	182.0	171.3		58.1	24.8	65	0
Armor AXC7110	213.9			60.0	22.0	76	0	TA SEEDS TA598-22DPRIB	181.3			59.0	20.9	78	0
Seed Consultants SCS 1094YHR™	211.1			58.1	23.6	69	0	FS InVISION FS 60QV1 RIB	172.0			56.1	21.9	71	0
Great Lakes 5910VT2RIB	209.3			58.9	22.6	81	0	Brodbeck 48RA11	171.1			55.3	25.8	81	0
LG Seeds LG5555VT2RIB	201.7			56.3	24.0	79	0	Brodbeck 9808	166.1			56.5	24.3	72	0
Pfister 69B1PCR	200.6			56.7	22.7	83	0	Pfister 71CPCRA	164.7			53.6	26.2	79	0
Warren Seed DS 9610	200.2	190.1	196.1	56.3	23.7	81	0	Brodbeck 55RA07	164.6			57.7	22.4	71	0
DEKALB DKC60-88RIB	198.6			58.3	20.3	76	0	AgriGold A640-77VT2PRO	155.0			59.1	21.8	77	0
FS InVISION FS 59VL1 EZR	198.4			55.0	25.2	80	0	<b>Average</b>	<b>195.2</b>	<b>195.1</b>	<b>207.6</b>	<b>57.2</b>	<b>23.0</b>	<b>78</b>	<b>0</b>
Armor 0909	198.3	189.8		57.1	22.5	67	0	C.V.	15.3	12.9	11.4	1.5	5.3	8	0
Pioneer P0843AM	198.1	196.5	205.4	59.1	20.8	78	0	LSD	58.1	33.9	24.7	1.7	2.4	11	0
Seed Consultants SCS 1086YHR™	195.2	197.8		57.0	21.3	85	0								

Early varieties: <112 days to maturity  
 Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 26, 2017; Harvested: September 18, 2017  
 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 192/81/90

**Table 12W. Hardin County White, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer P1477WHR	206.3	200.1	206.6	60.9	24.2	80	0
Pioneer P1306WHR	197.5	194.9		60.9	21.2	84	0
Pioneer P1618WAM	192.2			60.5	23.5	77	0
Pioneer P1620WAM	181.8			61.1	24.3	82	0
Pioneer 32B16	179.4	171.5	175.5	59.2	24.5	75	0
<b>Average</b>	<b>189.0</b>	<b>188.8</b>	<b>191.0</b>	<b>60.5</b>	<b>23.5</b>	<b>80</b>	<b>0</b>
C.V.	11.9	9.7	8.6	0.9	3.7	4	0
LSD	50.8	26.9	18.9	1.2	2.0	8	0

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 26, 2017; Harvested: September 18, 2017  
 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 192/81/90

**Table 12M. Hardin County Medium, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Armor 1447P	246.2			58.2	24.0	75	0	Pfister 72G6SSR	200.5			55.0	25.8	73	0
DEKALB DKC65-94RIB	243.5			59.0	24.0	76	0	Augusta 5162	199.9			57.8	22.5	76	0
Caverndale CF 824-3220 E-Z Refuge	243.3			53.8	24.8	77	0	Seed Consultants SCS 1125YHR™	199.6	201.7	204.2	56.2	23.4	76	0
LG Seeds LG5643VT2RIB	243.2	232.6		56.6	24.4	83	0	Pfister 74A2RR	198.6			55.5	24.5	77	0
AgriGold A6499STXRIB	239.3	221.9	225.0	58.4	24.3	76	0	Seed Consultants SC-S1158YHR™	198.2			55.6	23.8	86	0
Hoegemeyer HPT 8572 AM	234.2			58.1	23.9	81	0	Brodbeck 58RA14	194.6			54.4	24.8	78	0
Dyna-Gro D55VC45	233.7			58.6	25.3	78	0	Brodbeck 9414	194.0			53.0	25.9	78	0
AgriGold A6544VT2RIB	231.8	208.4		56.9	24.4	82	0	Beck 6368V2P	192.3			55.2	25.1	85	0
Stewart 8E623RIB	231.0			57.3	24.8	79	0	DEKALB DKC62-52RIB	192.1			58.8	22.9	76	0
Beck 6589V2P	230.8	205.1		59.1	24.4	79	0	NK Seeds N76A-3010	191.1	185.1	193.7	53.0	24.2	78	0
Great Lakes 6401STXRIB	229.4			59.0	23.6	81	0	Warren Seed DS 6414	189.1			55.8	24.1	77	0
AgriGold A645-10VT2RIB	227.0			59.4	24.9	79	0	Armor 1667S	188.1			59.1	24.2	74	0
Armor 1340	224.5	219.3		59.0	22.7	77	0	Hoegemeyer HPT 8414 AM	187.0			56.5	22.7	83	0
DEKALB DKC64-89RIB	224.3	218.2	221.4	58.6	22.1	82	0	LG Seeds LG5616-3000GT	187.0			58.4	22.8	77	0
Warren Seed DS 9913SSX	223.5	198.8		57.0	24.8	83	0	Pioneer P1257AM	186.9	177.9	191.2	57.2	20.1	83	0
Stewart 15DP438	219.5			58.5	24.4	76	0	Pioneer P1442AM	185.6			58.0	23.4	78	0
Wyffels W7696RIB	219.1	194.6		56.8	25.3	82	0	Warren Seed DS 7513	184.8			54.9	24.9	79	0
FS InVISION FS 64R44	218.1			53.6	24.2	80	0	Hoegemeyer HPT 8294 AM	184.3	190.5		57.0	21.9	81	0
LG Seeds LG5650VT2RIB	217.4	204.4		60.8	22.2	79	0	TA SEEDS TA758-28RIB	184.1			58.0	24.4	73	0
Seed Consultants SCS 1136YHR™	216.8	196.2		58.2	24.5	75	0	REV® 25BHR26™	183.7	178.9	187.8	58.8	23.0	83	0
Augusta 1165	216.4			56.9	25.1	71	0	NK Seeds 1405-3220EZ1	183.6			54.5	25.1	83	0
CHANNEL 215-75VT2PRIB	216.3			56.7	23.8	79	0	Great Lakes 6369VT2RIB	183.3			57.7	22.7	77	0
PROGENY PGY5115VT2P	216.1	200.9	198.9	56.7	24.9	76	0	DEKALB DKC62-78RIB	183.3	189.0	201.8	57.5	19.7	78	0
LG Seeds LG5663VT2RIB	216.1	201.3	207.6	58.4	25.2	77	0	Seed Consultants SC-S1131YHR™	182.9			58.4	25.3	69	0
Stewart 8E663RIB	214.4	202.9	208.5	57.9	23.9	82	0	TA SEEDS TA765-30	182.7	174.4	194.1	57.8	24.5	79	0
DEKALB DKC65-20RIB	213.9			58.0	24.4	77	0	AgriGold A643-87GT3	182.2			57.7	22.7	81	0
AgriGold A6572VT2RIB	212.3	201.1		59.4	22.3	81	0	Beck 6365AM™*	181.0	203.3	206.9	56.7	22.6	79	0
Brodbeck 54RA14	211.7	197.6		55.3	24.7	81	0	TA SEEDS TA736-28RIB	181.0			57.7	21.7	76	0
Warren Seed DS 9314SSX	211.4	201.6	210.0	55.8	26.5	75	0	Great Lakes 6571VT2RIB	180.3			56.6	23.6	85	0
Pioneer P1316AM	211.2	204.2		58.2	23.3	79	0	Pfister 2874PCRA	176.0			55.3	25.0	79	0
PROGENY PGY4114VT2P	210.0	205.2	215.2	57.9	21.0	77	0	PROGENY PGY8116SS	169.6			58.1	24.8	81	0
Armor 1227P	208.6			58.8	21.5	77	0	Stewart 8E753RIB	159.7	179.3	190.2	58.3	24.2	80	0
Warren Seed DS 9212SSX	205.6	204.1	207.4	54.6	24.5	82	0	Brodbeck 57RA14	152.9	169.1		55.7	23.1	79	0
DEKALB DKC64-35RIB	205.5	196.7		59.4	20.6	80	0	Wyffels W7456RIB	147.6			57.2	24.1	81	0
FS InVISION FS 63ZX1 RIB	205.2			58.3	24.2	80	0	REV® 23BHR55™	143.4	174.7	183.1	55.2	23.2	81	0
Seed Consultants SC 11AQ15™	204.9	189.4		62.7	24.6	82	0	<b>Average</b>	<b>203.8</b>	<b>197.3</b>	<b>202.8</b>	<b>57.3</b>	<b>23.8</b>	<b>79</b>	<b>0</b>
Great Lakes 6224STXRIB	204.7			59.0	22.8	73	0	C.V.	19.1	15.5	12.2	2.6	4.1	6	883
Armor 1500	202.8	186.5		58.7	24.5	76	0	LSD	74.7	41.8	23.4	2.8	1.9	9	0
PROGENY PGY7215VT2P	201.7			58.4	24.2	73	0								
Pfister 3488PCRA	201.2			54.7	25.9	77	0								
FS InVISION FS 62R44	201.0			56.9	23.6	82	0								

Medium varieties: 112-115 days to maturity  
 Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 26, 2017; Harvested: September 18, 2017  
 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer 192/81/90

**Table 13. Hardin County, 2017**

	Precipitation (in)	Temperature Average
March	4.46	47.3
April	4.66	61.6
May	6.62	65.1
June	7.98	72
July	4.24	76.4
August	4.22	71.9
September	6.34	67.3

**Table 14L. Muhlenburg County Late, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
DEKALB DKC67-44	292.7	256.5		63.6	17.0	95	1	Pioneer P1637AM	247.7	216.3	222.6	63.6	17.3	91	0
DEKALB DKC66-75	288.5	238.1		62.3	17.4	90	0	CHANNEL 216-36VT2PRIB	247.0			62.3	16.2	89	0
Great Lakes 6686VT2PRIB	282.7	233.0		63.4	17.0	95	1	Wyffels W8268RIB	244.6	212.4		61.8	17.3	91	0
CHANNEL 218-44VT2PRIB	281.1	230.9		62.6	17.1	96	0	Beck 6774V2P	243.3			62.2	17.6	96	0
DEKALB DKC70-27RIB	277.9			60.8	18.0	93	0	Dyna-Gro D58VC65	242.3			63.4	17.1	93	0
Pioneer P2089VYHR	275.7	225.4	221.5	61.5	18.8	90	0	AgriGold A6711VT2PRO	241.7	198.8	212.5	61.8	17.7	96	0
Armor 1717	269.8			63.9	17.7	86	0	AgriGold A647-90VT2PRO	241.0			63.4	17.7	93	0
Seed Consultants SC-S1168YHR™	268.0			61.9	18.1	84	2	DEKALB DKC67-72RIB	240.5	214.7	213.9	60.7	18.6	96	0
Stewart 16DP117	267.4			62.7	18.5	93	0	Stewart 17DP387	240.2	206.8		63.5	16.8	93	0
FS InVISION FS 68R44	263.4			60.7	19.5	90	1	LG Seeds LG5700VT2RIB	239.6			61.0	16.5	91	0
PROGENY PGY6116VT2P	263.3	215.9		60.6	18.8	94	0	Seed Consultants SC 11AGT74™	236.8	213.2	223.9	61.8	19.1	89	0
AgriGold A6659VT2RIB	260.5	224.5	220.1	63.0	17.0	95	0	Wyffels W8646	221.8			62.2	16.8	88	0
Caverndale CF 888 3000GT	260.4			57.4	18.4	91	1	DEKALB DKC66-59RIB	217.3	213.2		61.8	17.3	91	0
FS InVISION FS 66ZV1 RIB	257.9	223.1		63.4	16.8	86	0	<b>Average</b>	<b>255.5</b>	<b>221.5</b>	<b>219.1</b>	<b>62.1</b>	<b>17.6</b>	<b>91</b>	<b>0</b>
NK Seeds N83D-3111	257.7			61.4	18.5	93	0	C.V.	14.6	12.6	11.8	2.0	3.3	5	342
Armor AXC7116	257.4			62.9	17.3	92	0	LSD	72.8	39.8	30.1	2.4	1.1	10	1
REV® 28BHR18	254.2			63.1	18.0	74	0	Late varieties: >115 days to maturity							
Augusta 1166	251.0			61.1	16.8	88	0	Shaded cells are not significantly different from top yield (0.10)							
								Planted: April 29, 2017; Harvested: September 26, 2017							
								Soil type: Belknap Silt Loam; Previous crop: Soybean; Fertilizer 219/100/180							

**Table 14W. Muhlenburg County White, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer P1620WAM	252.9			65.5	17.8	88	0
Pioneer P1306WHR	252.3	224.3		63.7	16.7	91	0
Pioneer P1618WAM	251.5			65.2	17.2	88	0
Pioneer P1477WHR	247.2	210.6	223.4	64.7	17.9	95	0
Pioneer 32B16	238.9	207.6	207.2	62.0	19.5	94	1
<b>Average</b>	<b>247.9</b>	<b>214.2</b>	<b>215.3</b>	<b>64.2</b>	<b>17.8</b>	<b>91</b>	<b>0</b>
C.V.	11.4	9.2	8.5	1.0	6.5	4	345
LSD	63.9	30.8	22.2	1.5	2.6	7	1

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 29, 2017; Harvested: September 26, 2017  
 Soil type: Belknap Silt Loam; Previous crop: Soybean; Fertilizer 219/100/180

**Table 14C. Muhlenburg County Conventional, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Masters Choice MC6750	257.8			61.9	19.8	90	1
Caverndale CF 790	256.4			64.7	17.6	85	1
FS InVISION FS 65D00	255.9			65.4	17.7	82	2
FS InVISION FS 62B00	255.6			61.8	17.5	94	0
Masters Choice MC6580	254.5			60.4	18.5	91	0
Pfister 3488CONV	251.9			59.0	18.3	96	0
Pfister 2874CONV	246.2			60.8	16.7	94	0
DEKALB DKC64-85	243.0			64.3	15.7	95	0
FS InVISION FS 63Z00	232.7			65.5	16.7	96	0
DEKALB DKC62-06	231.5			62.6	15.9	93	0
Masters Choice MC6150	229.5			60.1	17.9	83	0
DEKALB DKC61-52	220.2			64.4	16.1	95	0
<b>Average</b>	<b>244.6</b>	<b>62.6</b>	<b>17.4</b>	<b>91</b>	<b>0</b>		
CV	8.1	0.7	2.5	5	311		
LSD	40.5	1.0	0.9	9	3		

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 29, 2017; Harvested: September 26, 2017  
 Soil type: Belknap Silt Loam; Previous crop: Soybean; Fertilizer 219/100/180

**Table 14M. Muhlenburg County Medium, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Great Lakes 6369VT2RIB	292.0			59.4	16.7	97	0	NK Seeds 1405-3220EZ1	239.5			60.3	17.5	90	0
FS InVISION FS 62R44	285.4			59.9	16.6	97	0	Warren Seed DS 9913SSX	239.0	209.3		60.5	18.6	94	0
REV® 25BHR26™	279.0	240.9	249.0	62.8	17.5	91	0	Warren Seed DS 9412SSX	238.2	208.1	213.5	59.4	18.5	92	0
AgriGold A6544VT2RIB	279.0	234.9		59.8	17.7	95	0	Augusta 1165	234.8			61.6	17.7	94	0
Seed Consultants SCS 1125YHR™	276.0	236.0	238.8	60.1	17.0	96	0	Brodbeck 57RA14	232.4	204.4		61.0	18.3	93	0
Hoegemeyer HPT 8294 AM	272.4	230.8		61.2	17.9	94	1	TA SEEDS TA736-28RIB	232.4			62.8	16.2	89	0
Beck 6365AM™™	269.5	229.6	247.8	60.8	17.5	94	0	Beck 6589V2P	232.2	203.8		62.4	18.2	90	0
FS InVISION FS 64R44	268.6			57.4	18.3	92	3	Armor 1340	231.2	210.9		62.4	17.2	92	0
TA SEEDS TA758-28RIB	268.2			60.7	16.8	86	0	Augusta 5162	230.9			61.8	18.0	95	0
Armor 1227P	266.1			63.0	16.4	93	1	Stewart 15DP438	230.1			63.0	17.1	89	0
DEKALB DKC64-35RIB	265.4	230.3		62.4	16.5	94	0	LG Seeds LG5663VT2RIB	229.3	198.2	205.0	62.9	18.0	95	0
Hoegemeyer HPT 8572 AM	265.3			60.7	16.7	96	0	Beck 6368V2P	228.9			59.6	19.0	95	0
Great Lakes 6571VT2RIB	264.9			61.0	17.8	100	0	Brodbeck 54RA14	228.8	201.9		59.2	18.7	97	0
Hoegemeyer HPT 8414 AM	263.9			60.7	17.2	93	1	Stewart 8E753RIB	226.7	201.2	215.9	63.6	17.3	89	0
Warren Seed DS 6414	257.5			59.5	17.4	88	1	Seed Consultants SC 11AQ15™	226.6	203.2		60.3	18.6	93	1
DEKALB DKC62-52RIB	257.5			62.0	16.4	93	0	LG Seeds LG5650VT2RIB	225.2	201.4		64.5	17.4	97	0
LG Seeds LG5616-3000GT	254.3			62.4	16.8	93	4	TA SEEDS TA765-30	223.8	216.5	230.8	62.9	17.2	84	0
Pioneer P1442AM	253.6			62.7	18.2	96	0	REV® 23BHR55™	220.8	213.4	223.5	60.7	17.8	92	1
LG Seeds LG5643VT2RIB	253.2	230.3		61.5	18.7	97	7	Seed Consultants SCS 1136YHR™	219.6	206.3		62.8	17.7	91	0
Wyffels W7696RIB	250.3	221.5		60.0	17.1	97	0	AgriGold A6499STXRIB	217.1	199.4	214.1	62.4	18.5	93	0
CHANNEL 215-75VT2PRIB	250.0			61.2	17.7	91	0	PROGENY PGY8116SS	216.7			63.8	18.5	92	0
Brodbeck 9414	249.6			58.3	18.8	93	0	AgriGold A643-87GT3	215.8			60.1	18.7	91	0
Pfister 3488PCRA	249.2			58.7	18.8	93	0	Warren Seed DS 9314SSX	215.8	202.9	211.9	59.5	19.4	90	0
DEKALB DKC64-89RIB	249.0	221.5	231.0	62.7	16.1	93	0	Seed Consultants SC-S1131YHR™	213.7			62.1	17.0	92	0
Stewart 8E663RIB	248.7	221.0	220.8	61.7	16.1	94	0	Brodbeck 58RA14	213.4			58.1	18.5	91	0
PROGENY PGY5115VT2P	248.0	201.5	204.8	61.3	16.9	86	0	DEKALB DKC62-78RIB	213.0	190.3	192.6	62.1	16.4	84	0
DEKALB DKC65-20RIB	247.4			62.7	17.4	90	0	AgriGold A6572VT2RIB	211.7	198.1		64.4	18.0	95	0
Great Lakes 6401STXRIB	245.7			63.1	17.3	95	0	PROGENY PGY7215VT2P	208.7			62.1	18.0	88	0
Armor 1667S	245.6			63.8	18.4	94	0	AgriGold A645-10VT2RIB	207.8			62.4	18.4	88	0
Armor 1447P	245.1			63.7	16.9	90	0	Stewart 8E623RIB	200.5			60.5	18.0	95	0
Pioneer P1257AM	244.8	219.0	219.3	61.1	16.5	97	0	Great Lakes 6224STXRIB	200.0			62.7	17.2	88	0
Pfister 74A2RR	244.7			59.0	16.9	88	0	Pioneer P1316AM	198.6	194.6		61.7	17.9	91	4
Caverdale CF 824 3220 E-Z Refuge	244.4			57.1	17.9	87	0	Pfister 72G6SSR	197.3			55.4	18.1	95	0
FS InVISION FS 63ZX1 RIB	243.5			62.7	17.6	95	0	NK Seeds N76A-3010	196.5	196.3	215.2	57.4	18.6	72	3
Seed Consultants SC-S1158YHR™	241.4			61.9	17.4	91	0	Armor 1500	187.7	178.6		62.0	19.3	80	0
PROGENY PGY4114VT2P	241.2	215.4	218.3	60.9	16.2	93	1	<b>Average</b>	<b>239.8</b>	<b>210.5</b>	<b>220.7</b>	<b>61.1</b>	<b>17.6</b>	<b>92</b>	<b>0</b>
DEKALB DKC65-94RIB	241.0			59.2	16.9	88	0	C.V.	14.7	12.3	11.0	2.6	5.5	6	311
Dyna-Gro D55VC45	240.5			61.6	18.1	95	0	LSD	67.5	37.1	23.6	3.0	1.8	10	2
Pfister 2874PCRA	240.5			59.3	17.3	93	0	Medium varieties: 112-115 days to maturity							
Warren Seed DS 7513	240.1			59.6	16.6	93	0	Shaded cells are not significantly different from top yield (0.10)							
								Planted: April 29, 2017; Harvested: September 26, 2017							
								Soil type: Belknap Silt Loam; Previous crop: Soybean; Fertilizer 219/100/180							

**Table 15. Muhlenburg County, 2017**

	Precipitation (in)	Temperature Average
March	3.5	49.8
April	5.66	62.6
May	5.84	65.9
June	8.93	72.3
July	2.75	77.7
August	4.23	74.2
September	5.64	69.6

**Table 16E. Simpson County Early, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	15-17							2017	15-17					
Pfister 71CPCRA	211.9			58.8	18.0	90	0	LG Seeds LG5555VT2RIB	190.0			60.2	16.5	89	1
Brodbeck 57RA10	206.9			59.1	16.4	91	1	FS InVISION FS 59VL1 EZR	186.6			59.4	16.4	82	0
Seed Consultants SC 11AQ17™	206.0			59.5	19.4	93	1	Great Lakes 5910VT2RIB	184.4			62.5	14.9	85	1
Stewart 11DP718	205.9			61.0	17.1	91	0	PROGENY PGY6110VT2P	183.6			61.0	16.4	82	0
Pioneer P1197AM	205.0	241.7		62.1	15.6	94	1	Pioneer P0843AM	182.9	220.8		61.4	15.4	89	1
DEKALB DKC60-88RIB	201.8			61.2	15.0	93	0	Brodbeck 55RA07	182.2			60.3	17.0	82	0
LG Seeds LG5590VT2Pro	200.9			60.3	15.8	89	0	Seed Consultants SCS 1086YHR™	180.5			60.9	15.4	90	0
AgriGold A639-40VT2PRO	200.7			60.5	15.7	92	1	Caverndale CF 804 3120 E-Z	177.1			60.7	16.3	95	0
Seed Consultants SCS 1094YHR™	200.1			62.3	16.1	90	0	Refuge							
AgriGold A642-59STX	199.4			61.8	16.6	92	0	Armor AXC7110	176.8			61.6	15.4	91	0
Beck 6082AM™*	198.2			61.2	16.2	84	0	FS InVISION FS 60QV1 RIB	169.6			59.4	16.1	85	2
PROGENY PGY7111VT2P	197.7			62.4	16.1	91	0	Pfister 69B1PCR	167.7			59.7	14.6	93	0
Dyna-Gro CX17212	197.2			61.1	16.8	86	0	Brodbeck 48RA11	166.1			59.1	16.8	91	0
TA SEEDS TA598-22DPRIB	197.0			61.9	15.6	88	1	Brodbeck 9808	157.8			59.6	15.8	88	0
Warren Seed DS 9610	196.8	227.7		60.3	17.9	84	0	<b>Average</b>	<b>190.2</b>	<b>230.8</b>	<b>60.8</b>	<b>16.1</b>	<b>89</b>	<b>0</b>	
Pfister 70A1SSRA	196.5			59.2	15.8	88	0	C.V.	9.9	8.1	1.2	3.5	6	201	
Armor 0909	196.0			60.3	15.8	82	0	LSD	36.4	21.8	1.4	1.1	10	2	
Hoegemeyer HPT 8091 AM	193.9			61.4	15.0	94	1	Early varieties: <112 days to maturity							
AgriGold A640-77VT2PRO	190.9			62.2	15.6	90	0	Shaded cells are not significantly different from top yield (0.10)							
Seed Consultants SCS 1105YHR™	190.6	233.1		61.7	15.4	94	0	Planted: April 29, 2017; Harvested: September 21, 2017							
NK Seeds N66V-3000GT	190.5			60.6	15.7	94	0	Soil type: Mountview Silt Loam; Previous crop: Soybean; Fertilizer 189/125/125							

**Table 16L. Simpson County Late, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17						2017	16-17	15-17				
Pioneer P1637AM	226.9	248.4	258.4	63.3	17.4	89	0	AgriGold A647-90VT2PRO	189.5			62.8	17.9	91	0
DEKALB DKC66-75	223.7	225.8		61.8	17.2	92	0	NK Seeds N83D-3111	183.6			60.9	18.2	87	2
LG Seeds LG5700VT2RIB	223.6			60.6	16.5	93	0	FS InVISION FS 66ZV1 RIB	180.7	194.7		62.4	17.1	77	0
CHANNEL 218-44VT2PRIB	220.9	222.6		61.8	17.8	93	0	FS InVISION FS 68R44	174.7			60.5	19.8	90	2
DEKALB DKC66-59RIB	219.3	237.3		60.6	18.2	83	0	Seed Consultants SC	173.6	198.0	220.0	61.0	19.6	86	0
Wyffels W8646	218.0			61.6	18.6	86	0	11AGT74™							
REV® 28BHR18	217.2			62.1	18.4	69	0	CHANNEL 216-36VT2PRIB	171.5			62.4	16.2	95	6
Wyffels W8268RIB	214.2	219.1		61.5	17.5	95	0	Caverndale CF 888 3000GT	171.0			61.1	18.6	91	1
Seed Consultants SC-S1168YHR™	211.1			61.6	17.7	89	0	Beck 6774V2P	170.0			62.5	18.9	89	0
Augusta 1166	210.9			60.8	16.2	89	0	AgriGold A6659VT2RIB	169.5	199.5	228.3	61.9	16.3	91	2
Armor AXC7116	210.0			61.7	17.9	88	0	Dyna-Gro D58VC65	156.6			61.8	17.2	90	4
Stewart 16DP117	208.9		61.9	18.5	87	90	0	Great Lakes 6686VT2PRIB	148.8	189.1		61.4	16.8	86	4
DEKALB DKC67-72RIB	207.6	231.1	233.8	60.8	17.8	92	0	Stewart 17DP387	142.6	161.1		61.8	17.8	89	2
PROGENY PGY6116VT2P	206.3	199.6		61.2	17.4	84	0	<b>Average</b>	<b>194.8</b>	<b>211.0</b>	<b>232.9</b>	<b>61.6</b>	<b>17.8</b>	<b>88</b>	<b>0</b>
DEKALB DKC70-27RIB	206.2			61.2	19.2	77	0	C.V.	8.2	16.9	14.1	1.1	3.4	6	220
Pioneer P2089VYHR	201.6	224.9	243.1	60.2	18.9	86	0	LSD	31.1	47.2	33.2	1.3	1.2	10	4
Armor 1717	200.5			62.2	18.5	87	1	Late varieties: >115 days to maturity							
DEKALB DKC67-44	198.1	225.8		62.4	17.2	91	0	Shaded cells are not significantly different from top yield (0.10)							
AgriGold A6711VT2Pro	196.0	188.8	213.6	61.3	18.3	87	0	Planted: April 29, 2017; Harvested: September 21, 2017							
								Soil type: Mountview Silt Loam; Previous crop: Soybean; Fertilizer 189/125/125							

**Table 16M. Simpson County Medium, 2017**

Name	YIELD (BU/AC)		TWT (LB/BU)	MST (%)	STD (%)	LODG (%)	Name	YIELD (BU/AC)		TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	15-17						2017	15-17				
Armor AXC7114	244.8		62.6	18.1	91	0	Brodbeck 58RA14	203.1		59.1	17.6	91	1
Seed Consultants SC 11AQ15™	227.2		59.1	19.9	94	0	Dyna-Gro D55VC45	202.5		62.3	17.8	92	0
Great Lakes 6401STXRIB	226.8		63.3	18.4	96	1	REV® 25BHR26™	202.1	239.8	63.6	16.9	84	0
Pioneer P1257AM	226.7	240.2	61.8	16.7	90	1	LG Seeds LG5663VT2RIB	200.7	229.1	61.4	17.4	87	1
Stewart 8E623RIB	226.4		60.5	17.7	94	1	Pfister 3488PCRA	200.5		59.0	18.7	85	0
Hoegemeyer HPT 8414 AM	226.1		60.8	17.2	92	0	Stewart 8E663RIB	200.4	233.4	62.7	16.2	93	1
Seed Consultants SCS1131YHR™	225.6		63.0	17.1	88	1	Beck 6589V2P	200.1		62.3	18.2	91	0
Great Lakes 6369VT2RIB	225.5		61.6	17.7	93	0	PROGENY PGY8116SS	200.1		63.4	18.5	92	0
Great Lakes 6224STXRIB	225.0		62.5	17.0	89	0	AgriGold A6499STXRIB	199.9	234.5	61.9	17.8	93	0
Seed Consultants SCS 1136YHR™	223.9		63.4	17.5	94	0	Pfister 2874PCRA	199.6		59.3	17.8	93	0
Stewart 15DP438	223.7		62.6	17.2	86	0	FS InVISION FS 62R44	199.5		62.0	16.3	90	0
AgriGold A6544VT2RIB	222.6		61.7	17.3	93	0	PROGENY PGY7215VT2P	198.3		61.7	18.6	82	1
DEKALB DKC65-20RIB	222.0		61.6	16.0	91	0	DEKALB DKC62-52RIB	197.9		62.9	15.4	91	0
Brodbeck 57RA14	221.6		60.9	18.0	96	0	Wyffels W7696RIB	197.9		60.6	17.2	87	0
Warren Seed DS 9913SSX	221.3		60.7	18.8	91	0	LG Seeds LG5650VT2RIB	197.7		64.3	16.8	90	0
LG Seeds LG5643VT2RIB	221.0		61.9	16.9	96	0	Warren Seed DS 9412SSX	197.7	219.7	59.6	19.2	92	0
Hoegemeyer HPT 8572 AM	220.8		62.5	17.3	90	0	DEKALB DKC65-94RIB	196.7		63.2	17.6	92	0
CHANNEL 215-75VT2PRIB	218.9		61.2	17.2	91	0	Armor AXC7112	196.1		61.2	16.9	90	0
Warren Seed DS 6414	218.2		59.5	19.6	93	1	Augusta 5162	195.6		62.0	16.3	91	0
DEKALB DKC64-89RIB	217.5	235.2	62.8	16.4	94	0	FS InVISION FS 63ZX1 RIB	194.4		61.0	18.5	92	0
Great Lakes 6571VT2RIB	216.3		61.8	17.5	96	0	FS InVISION FS 64R44	192.9		56.7	18.8	87	2
LG Seeds LG5616-3000GT	215.7		61.6	17.0	95	1	AgriGold A643-87GT3	191.2		60.9	16.2	95	0
Beck 6365AM™*	215.0	258.3	61.1	17.3	96	1	Pfister 72G6SSR	189.3		57.7	19.9	89	0
NK Seeds N76A-3010	214.8	225.5	57.3	18.6	81	0	Caverndale CF 824 3120 E-Z Refuge	187.2		56.9	17.2	91	1
Pioneer P1316AM	214.6		61.8	17.9	92	0	Wyffels W7456RIB	184.7		61.7	17.6	84	1
Beck 6368V2P	213.9		60.9	16.8	95	0	AgriGold A645-10VT2RIB	184.2		61.0	17.7	92	0
TA SEEDS TA736-28RIB	213.4		62.3	17.4	88	0	Brodbeck 54RA14	183.7		59.7	17.9	97	0
DEKALB DKC62-78RIB	212.1	232.8	62.2	15.7	89	0	Warren Seed DS 9314SSX	181.5	219.8	59.2	19.7	92	1
Pfister 74A2RR	211.7		59.5	19.2	86	0	Seed Consultants SCS 1125YHR™	179.8	234.4	60.6	17.9	95	7
Armor AXC7115	211.3		63.6	17.6	91	0	Brodbeck 9414	179.4		58.4	18.8	87	3
Armor 1340	210.5		62.1	16.9	93	0	Armor 1500	179.3		61.7	17.9	85	0
Stewart 8E753RIB	209.8	239.3	62.8	18.3	92	0	PROGENY PGY5115VT2P	174.3	211.3	60.8	16.7	87	2
PROGENY PGY4114VT2P	209.4	242.7	60.9	15.9	95	1	REV® 23BHR55™	174.1	230.9	61.5	16.5	87	0
Warren Seed DS 7513	208.4		58.7	18.4	90	0	TA SEEDS TA758-28RIB	169.9		61.3	18.8	78	1
Pioneer P1442AM	208.0		61.5	17.8	94	1	DEKALB DKC64-35RIB	134.8		62.5	17.5	93	19
AgriGold A6572VT2RIB	207.4		62.3	16.9	94	1	<b>Average</b>	<b>205.3</b>	<b>233.8</b>	<b>61.3</b>	<b>17.6</b>	<b>91</b>	<b>0</b>
Augusta 1165	206.2		61.9	18.3	92	0	C.V.	10.1	8.3	1.2	5.3	6	181
TA SEEDS TA765-30	204.7	248.5	63.6	18.5	83	0	LSD	40.0	24.2	1.4	1.8	11	3
Hoegemeyer HPT 8294 AM	204.5		61.7	17.1	92	5	Medium varieties: 112-115 days to maturity						
Seed Consultants SCS1158YHR™	204.3		62.4	17.3	91	0	Shaded cells are not significantly different from top yield (0.10)						
NK Seeds 1405-3220EZ1	203.3		59.3	17.5	90	1	Planted: April 29, 2017; Harvested: September 21, 2017						
							Soil type: Mountview Silt Loam; Previous crop: Soybean; Fertilizer 189/125/125						

**Table 16W. Simpson County White, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017	16-17	15-17				
Pioneer P1620WAM	215.4			64.5	18.6	88	1
Pioneer P1477WHR	210.1	208.7	231.8	64.1	18.1	88	0
Pioneer P1306WHR	205.5	209.4		64.0	16.9	95	3
Pioneer P1618WAM	196.9			63.5	17.7	85	1
Pioneer 32B16	196.5	210.9	221.1	62.0	18.4	93	0
<b>Average</b>	<b>205.2</b>	<b>209.6</b>	<b>226.4</b>	<b>63.6</b>	<b>18.1</b>	<b>90</b>	<b>0</b>
C.V.	5.2	8.2	7.7	0.4	3.1	6	261
LSD	24.0	25.3	19.5	0.6	1.3	13	5

Shaded cells are not significantly different from top yield (0.10)

Planted: April 29, 2017; Harvested: September 21, 2017

Soil type: Mountview Silt Loam; Previous crop: Soybean; Fertilizer 189/125/125

**Table 16C. Simpson County Conventional, 2017**

Name	YIELD (BU/AC)			TWT (LB/BU)	MST (%)	STD (%)	LODG (%)
	2017						
DEKALB DKC64-85	227.6			62.9	15.9	97	0
DEKALB DKC61-52	217.0			63.7	15.7	93	0
FS InVISION FS 65D00	212.6			64.6	18.0	89	1
Pfister 2874CONV	210.6			60.2	16.2	98	0
FS InVISION FS 62B00	209.0			60.0	18.3	95	1
Pfister 3488CONV	201.7			58.0	18.4	93	0
FS InVISION FS 63Z00	199.7			62.9	16.8	96	0
Caverdale CF 790	194.2			64.1	17.2	88	0
DEKALB DKC62-06	193.8			61.0	16.4	96	3
Masters Choice MC6750	180.5			61.0	19.8	87	1
Masters Choice MC6580	166.7			59.1	19.2	89	5
Masters Choice MC6150	159.1			58.4	17.9	84	3
<b>Average</b>	<b>197.7</b>			<b>61.3</b>	<b>17.5</b>	<b>92</b>	<b>1</b>
CV	9.1			0.9	3.4	5	264
LSD	37.0			1.2	1.2	9	6

Shaded cells are not significantly different from top yield (0.10)

Planted: April 29, 2017; Harvested: September 21, 2017

Soil type: Mountview Silt Loam; Previous crop: Soybean; Fertilizer 189/125/125

**Table 17. Simpson County, 2017**

	Precipitation (in)	Temperature Average
March	3.9	49.9
April	5.15	62.8
May	5.44	67.1
June	7.03	74
July	2.72	78.7
August	6.29	74.2
September	6.92	68.6

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