

2020 Kentucky Hybrid Corn Performance Test

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The objective of the Kentucky Hybrid Corn Performance Test is to provide relative performance 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 2020 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 Conventional 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 2021. 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.

Location of Tests

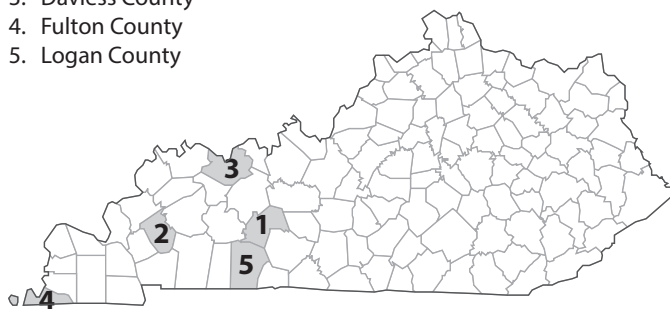
The map on page 1 shows the test locations. The test sites were selected to represent different agro-climatic areas of Kentucky where corn is a major commodity. There were seven total tests from seven locations across the state. Included in these seven tests were two irrigated tests in Daviess and Fulton Counties. They 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. There was a wider range than normal in planting dates, so pay attention to those dates while using the data. The Fayette and Shelby County locations had to be excluded due to very high CV's.

Locations of the 2020 Kentucky Hybrid Corn Performance Tests

1. Butler County
2. Caldwell County
3. Daviess County
4. Fulton County
5. Logan County



Disease Ratings

Hybrids were evaluated at one location in Fayette County. All ratings were made by Dr. Kiersten Wise, UK Plant Pathologist in Princeton. Ratings were made during the early part of August. The Late test wasn't rated due to inclement weather. Special thanks to Dr. Wise for this work.

Cultural Practices

Corn seed was planted no-till into soybean stubble at four locations, and into tilled fields at the other three. Fertilizer was applied in accordance with each individual farmer's practices.

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; two-year and three-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 appears 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 are 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 36,000 at the irrigated locations.

Harvesting

All plots were harvested with a Haldrup C-85 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 elec-

tronic 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 Conventional (non-GMO) 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. All 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 112–115 days.

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

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 Haldrup C-85 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 farmer-cooperators who not only provided land for testing but helped with the tests throughout the growing season:

- JP Amberg and family of Hickman
- Ellis Farms of Eminence
- Woody Moore and family of Morgantown
- Jason Strode and family of Owensboro
- Sam Halcomb and family of Adairville

The authors give special thanks to Ted Walker, John Stanhope, and the entire crew of the College of Agriculture 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. Kiersten Wise, Extension Plant Pathologist, Research and Education Center, Princeton
- Scott Peek, Farm Manager, Research and Education Center, Princeton
- Matt Peake, Farm Manager, North Farm, Lexington
- Mark Thomas and Mindy Jones, Cor-teva, for supplying seed for borders
- Ben Rudy, Extension Agent, Fulton County
- Greg Drake, Extension Agent, Butler County
- Clint Hardy, Extension Agent, Daviess County

Source of Seeds

The seeds planted in the 2020 Hybrid Corn Performance Test were acquired from the sources listed in Table 1.

Table 1. Hybrids Tested, 2020.

Company	Hybrid	Trait*	Test	Color	CRM
AgriGold Hybrids	AgriGold A639-70STXRIB	STXRIB	E	Yellow	109
Justin Warren	AgriGold A642-59VT2RIB	VT2	M	Yellow	112
5381 Akin Rd	AgriGold A642-47STX	STX	M	Yellow	112
St. Francisville, IL 62460	AgriGold A6544VT2RIB	VT2	M	Yellow	113
justin.warren@agrigoold.com	AgriGold A6572VT2RIB	VT2	M	Yellow	114
800-262-7333	AgriGold A645-16VT2PRO	VT2PRO	M	Yellow	115
	AgriGold A647-42TRC	Trecepta	L	Yellow	117
	AgriGold A647-90VT2RIB	VT2	L	Yellow	117
Armor Seed	Armor 0711	SS	E	Yellow	107
Jay Middleton	ARMOR A1029	VT2P/ASR	E	Yellow	110
2532 Alexander Dr	ARMOR A1299	VT2P	M	Yellow	112
Jonesboro, AR 72401	ARMOR A1575	VT2P/ASR	M	Yellow	115
jaymiddleton@armorseed.com	ARMOR A1717	VT2P	L	Yellow	117
270-832-2133					
Beck's Hybrids	Beck's XL® 6082AM™	Optimum AcreMax	E	Yellow	110
Camille Lambert	Beck's 6112V2P	V2PRIB	E	Yellow	111
6767 E. 276th St	Beck's 6374V2P	V2PRIB	M	Yellow	113
Atlanta, IN 46031	Beck's 6414V2P	V2PRIB	M	Yellow	114
camille.lambert@beckshybrids.com	Beck's 6557V2P	V2PRIB	M	Yellow	115
270-993-5392					
Biominer Ag	Biominer-VCN	None CONV.	C	Yellow	
Nadia Adam	Biominer-OCN	None CONV.	C	Yellow	
1400 E. Angela Blvd					
South Bend, IN 46617					
nadam@biomineralsystems.com					
Caverdale Farms Brand Seed	Caverdale CF 790	None CONV.	C	Yellow	109
Barry Welty	Caverdale CF 855	None CONV.	C	Yellow	114
1921 Bluegrass Pike	Caverdale CF 753GTCBLL	GT, CB, LL	E	Yellow	108
Danville, KY 40422	Caverdale CF 794 VIPTERA 3111	GT, CB, LL, RW, BL	E	Yellow	109
bwelty@kywimax.com	Caverdale CF 859 VIPTERA 3111	GT, CB, LL, RW, BL	M	Yellow	114
859-236-2150					
Channel	Channel 209-15VT2PRIB	VT2	E	Yellow	109
Whitney Monin	Channel 214-78DGV2PRIB	DBVT2PRIB	M	Yellow	114
250 Dogwood Dr.	Channel 215-60TRERIB	Trecepta	M	Yellow	115
Beaver Dam, KY 42320					
whitney.monin@channel.com					
515-314-8834					
DEKALB	DEKALB DKC59-82RIB	VT2PRIB	E	Yellow	109
Glen Murphy	DEKALB DKC60-80RIB	VT2PRIB	E	Yellow	110
264 Persimmon Ridge Dr	DEKALB DKC61-41RIB	VT2PRIB	E	Yellow	111
Louisville, KY 40245	DEKALB DKC62-53RIB	VT2PRIB	M	Yellow	112
glen.murphy@bayer.com	DEKALB DKC63-57RIB	VT2PRIB	M	Yellow	113
502-377-5053	DEKALB DKC63-91RIB	VT2PRIB	M	Yellow	113
	DEKALB DKC64-35RIB	VT2PRIB	M	Yellow	114
	DEKALB DKC64-64RIB	VT2PRIB	M	Yellow	114
	DEKALB DKC65-95RIB	VT2PRIB	M	Yellow	115
	DEKALB DKC65-99RIB	TRERIB	M	Yellow	115
	DEKALB DKC66-18RIB	VT2PRIB	L	Yellow	116
	DEKALB DKC67-37RIB	GENSSRIB	L	Yellow	117
	DEKALB DKC67-44RIB	VT2PRIB	L	Yellow	117
	DEKALB DKC69-99RIB	TRERIB	L	Yellow	119
	DEKALB DKC70-27RIB	VT2PRIB	L	Yellow	120
Nutrien Ag Solutions Owensboro	Dyna-Gro D50VC78	VT2P	E	Yellow	110
Landon Taylor	Dyna-Gro D53VC33	VT2P	M	Yellow	113
2760 Keller Rd	Dyna-Gro D54VC34	VT2P	M	Yellow	114
Owensboro, KY 42301	Dyna-Gro D55VC80	VT2P	M	Yellow	115
landon.taylor@nutrien.com	Dyna-Gro D57VC17	VT2P	L	Yellow	117
270-231-6977	Dyna-Gro D58VC65	VT2P	L	Yellow	118
Growmark	FS InVISION FS 6194V RIB	VT2P RIB	E	Yellow	111
Eric West	FS InVISION FS 62ZV1 RIB	VT2P RIB	M	Yellow	112
FS InVISION	FS InVISION FS 6306T RIB	TRE RIB	M	Yellow	113
1701 Towanda Ave	FS InVISION FS 6395VDG RIB	VT2P/DG RIB	M	Yellow	113

***Trait:**

3110, 3111, 3122, 3220: 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
ASR: Anthracnose stalk rot resistance
BT: corn borer resistance
BTCB: corn borer resistance
BTRW: corn rootworm resistance
CB: corn borer resistance
Conv: Conventional, no GMO traits
DG: DroughtGard
Duracade: Above ground pest resistance plus rootworm resistance
Enlist: 2,4-D resistance
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
Lep (Lepidoptera): Corn Borer and corn earworm resistance
LL: Liberty Link glufosinate tolerance
Intrasect: YGCB, HX1, LL, RR2
Power Core, PCRA, PWRA, PC: VT2PRO + HX1 + above ground traits
RHS: Glyphosate tolerance
RHXT: 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
TRECEPTA/TC: resistance to above ground insects
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, PRO2: 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
BL:
RW: corn rootworm resistance
*****Test:** E = Early, M = Medium, L = Late, W = White
™ = Trade Mark
*****CRM:** Cumulative Relative Maturity

Table 1. Hybrids Tested, 2020, continued.

Company	Hybrid	Trait*	Test	Color	CRM	
Bloomington, IL 61702-2500 ewest@growmark.com 309-557-6234	FS InVISION FS 6595V RIB	VT2P RIB	M	Yellow	115	
	FS InVISION FS 6606T RIB	TRE RIB	L	Yellow	116	
	FS InVISION FS 675V1 RIB	VT2P RIB	L	Yellow	117	
LG Seeds Dan Mitchell 22827 Shissler Road Elmwood, IL 61529 dan.mitchell@lgseeds.com 812-457-3132	LG Seeds LG59C72VT2RIB	VT2RIB	E	Yellow	109	
	LG Seeds LG60C12-5222	Duracade 5222	E	Yellow	110	
	LG Seeds LG62C35VT2Pro	VT2PRO	E	Yellow	112	
	LG Seeds LG64C30TRCRIB	Trecepta	M	Yellow	114	
	LG Seeds LG66C32VT2Pro	VT2PRO	L	Yellow	116	
	LG Seeds LG66C44VT2Pro	VT2PRO	L	Yellow	116	
	LG Seeds LG68C22VT2Pro	VT2Pro	L	Yellow	118	
	Local Seed Company	Local Seed LC0877 VT2P	VT2P	E	Yellow	108
	Bradley Taylor 802 Rozelle St Memphis, TN 38104 bradley.taylor@localseed.com 662-402-1502	Local Seed LC0999 VT2P	VT2P	E	Yellow	109
	Local Seed LC1307 TC	Trecepta	M	Yellow	113	
Local Seed LC1289 VT2P	VT2P	M	Yellow	112		
Local Seed LC1398 VT2P	VT2P	M	Yellow	113		
Local Seed LC1497 DGVT2P	DGVT2P	M	Yellow	114		
Local Seed LC1577 VT2P	VT2P	M	Yellow	115		
Local Seed LC1506 VT2P	VT2P	M	Yellow	115		
Local Seed LC1697 VT2P	VT2P	L	Yellow	116		
Local Seed LC1707 VT2P	VT2P	L	Yellow	117		
Local Seed LC1806 VT2P	VT2P	L	Yellow	117		
Local Seed LC1898 TC	Trecepta	L	Yellow	118		
Local Seed LC1987 VT2P	VT2P	L	Yellow	119		
Mission Seed Solutions Tyler Carda 518 N. Sharpe Street Ave Cleveland, MS 38732 tyler.carda@pinnacleag.com 605-290-0114	Mission Amp A1257VT2P	VT2P	M	Yellow	112	
	Mission Amp A1477DGVT2P	DG & VT2P	M	Yellow	114	
	Mission Amp A1548DGVT2P	DG & VT2P	M	Yellow	115	
	Mission Amp A1657VT2P	VT2P	L	Yellow	116	
	AgVenture AV8216 YHB	YHB	L	Yellow	116	
AgVenture AV7516Q	Qrome	L	Yellow	116		
Mission Amp A1798VT2P	VT2P	L	Yellow	117		
Mycogen Seeds/Brevant Seeds Andy Robinson 9330 Zionsville Rd Indianapolis, IN 46268 andrew.robinson@brevant.com 317-431-9727	Brevant Seeds B07H01AM	Optimum AcreMax	E	Yellow	107	
	Brevant Seeds B11H09AM	Optimum AcreMax	E	Yellow	111	
	Brevant Seeds B13Y85AM	Optimum AcreMax	M	Yellow	113	
	Brevant Seeds B14J04AM	Optimum AcreMax	M	Yellow	114	
	Brevant Seeds B15M08AM	Optimum AcreMax	M	Yellow	115	
	Brevant Seeds B15H98AM	Optimum AcreMax	M	Yellow	115	
Brevant Seeds B16J93AM	Optimum AcreMax	L	Yellow	116		
NuTech Seed Keith Niemeier 201 Knollwood Dr Champaign, IL 61820 keith.niemeier@nutechseed.com 618-541-0605	NuTech Seed 68A7AM	Acre Max	E	Yellow	108	
	NuTech Seed 68B3AML	Acre Max Lep	E	Yellow	108	
	NuTech Seed 5FB-9909AM	Acre Max	E	Yellow	109	
	NuTech Seed 70A8AM	Acre Max	E	Yellow	110	
	NuTech Seed 71F5Q	Qrome	E	Yellow	111	
	NuTech Seed 72B7AM	Acre Max	M	Yellow	112	
	NuTech Seed 5FB-2213AM	Acre Max	M	Yellow	113	
	NuTech Seed 74B6AM	Acre Max	M	Yellow	114	
	NuTech Seed E74D3AM	Acre Max	M	Yellow	114	
	NuTech Seed 75D2AM	Acre Max	M	Yellow	115	
	NuTech Seed 75G1AM	Acre Max	M	Yellow	115	
	NuTech Seed 78A1AM	Acre Max	L	Yellow	118	
	Pioneer Mindy Jones 5422 Hwy 41A Henderson, KY 42420 mindy.jones@pioneer.com 270-577-4510	Pioneer P0977	None CONV.	C	Yellow	109
Pioneer P1197		None CONV.	C	Yellow	111	
Pioneer P1442		None CONV.	C	Yellow	114	
Pioneer P1870		None CONV.	C	Yellow	118	
Pioneer P1077YHR		YHR	E	Yellow	110	
Pioneer P1197YHR		YHR	E	Yellow	111	
Pioneer P1464VYHR		AVBL,YGCB,HX1,LL,RR3	M	Yellow	114	
Pioneer P1637YHR		YHR	L	Yellow	116	
Pioneer P1847VYHR		VYHR	L	Yellow	118	
Pioneer P1870YHR		YHR	L	Yellow	118	
Pioneer P2089VYHR		VYHR	L	Yellow	120	
Progeny Ag Products John D. Rocconi		Progeny Ag 2008VT2P	VT2P, RR	E	Yellow	108
	Progeny Ag EXP2010	VT2P, RR	E	Yellow	110	

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GT: AgriSure glyphosate tolerance
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Lep (Lepidoptera): Corn Borer and corn earworm resistance
LL: Liberty Link glufosinate tolerance
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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
TRECEPTA/TC: resistance to above ground insects
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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, PRO2: 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
BL:
RW: corn rootworm resistance
*****Test:** E = Early, M = Medium, L = Late, W = White
™ = Trade Mark
*****CRM:** Cumulative Relative Maturity

Table 1. Hybrids Tested, 2020, continued.

Company	Hybrid	Trait*	Test	Color	CRM
1529 HWY 93	Progeny Ag PGY2012VT2P	VT2P, RR	M	Yellow	112
Wynne, AR 72396	Progeny Ag EXP1913	VT2P, RR	M	Yellow	113
JohnR@progenyag.com	Progeny Ag PGY 9114VT2P	VT2P, RR	M	Yellow	114
870-238-2079	Progeny Ag EXP1915	VT2P, RR	M	Yellow	115
	Progeny Ag PGY2015VT2P	VT2P, RR	M	Yellow	115
	Progeny Ag PGY81165S	SS, RR, LL	L	Yellow	116
	Progeny Ag PGY9117VT2P	VT2P, RR	L	Yellow	117
Seed Consultants Inc.	Seed Consultants SC 1121AM	AcreMax	M	Yellow	112
Bill McDonald	Seed Consultants SC 1141AM	AcreMax	M	Yellow	114
648 Miami Trace Rd. SW	Seed Consultants SC 1170AM	AcreMax	L	Yellow	117
Washington Court House, OH 43160	Seed Consultants SC 1188AM	AcreMax	L	Yellow	118
bill.mcdonald@seedconsultants.com					
800-708-2676					
Spectrum Non-GMO	Spectrum 6228	None CONV.	C	Yellow	112
Jeff Linn	Spectrum 6334	None CONV.	C	Yellow	113
4105 Haggerty Ln, Suite C	Spectrum 6416	None CONV.	C	Yellow	114
Lafayette, IN 47905	Spectrum 6775	None CONV.	C	Yellow	117
jeff.linn@spectrumseed.com					
765-586-9360					
Stewart Seeds	Stewart 09DP409	VT2PRO	E	Yellow	109
Justin Petrosino	Stewart 09DD140	DGVT2PRO	E	Yellow	109
127 N Grove Street	Stewart 8E623RIB	VT2PRO	M	Yellow	112
Bowling Green, OH 43402	Stewart 12DT701	Trecepta	M	Yellow	112
justin.petrosino@stewartseeds.com	Stewart 13DD360	DGVT2PRO	M	Yellow	113
419-681-3427	Stewart 14DD339	DGVT2PRO	M	Yellow	114
	Stewart 15DP519	VT2PRO	M	Yellow	115
	Stewart 16DP117	VT2PRO	L	Yellow	116
	Stewart 17DP781	VT2PRO	L	Yellow	117
	Stewart 17DP387	VT2PRO	L	Yellow	117
Taylor Seed Farms	Taylor T8824VT2PRO	VT2PRO	M	Yellow	113
Brad Taylor	Taylor T8561VT2PRO	VT2PRO	M	Yellow	115
2467 Hwy 7	Taylor T8680VT2PRO	VT2PRO	L	Yellow	116
White Cloud, KS 66094					
brad@taylorseedfarms.com					
785-595-3236					
Warren Seed & Agronomy Service	Warren Seed DS 5018	YHR	E	Yellow	110
Lanny Warren	Warren Seed DS 5210	YHR	M	Yellow	112
208 South Thompson St	Warren Seed DS 5371	YHR	M	Yellow	113
Union City, TN 38261	Warren Seed DS 5510	YHR	M	Yellow	115
lanny.warren@charter.net	Warren Seed DS 5676	YHR	L	Yellow	116
731-885-6595					
Wyffels Hybrids	Wyffels W7876RIB	VT2P	M	Yellow	114
David Strawn	Wyffels W8936DGRIB	VT2PDG	L	Yellow	117
13344 US Hwy 6					
Geneseo, IL 61254					
dstrawn@hotmail.com					
217-691-7744					

***Trait:**

3110, 3111, 3122, 3220: 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
ASR: Anthracnose stalk rot resistance
BT: corn borer resistance
BTCB: corn borer resistance
BTRW: corn rootworm resistance
CB: corn borer resistance
Conv: Conventional, no GMO traits
DG: DroughtGard
Duracade: Above ground pest resistance plus rootworm resistance
Enlist: 2,4-D resistance
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
Lep (Lepidoptera): Corn Borer and corn earworm resistance
LL: Liberty Link glufosinate tolerance
Intrasect: YGCB, HX1, LL, RR2
Power Core, PCRA, PWRA, PC: VT2PRO + HX1 + above ground traits
RHS: Glyphosate tolerance
RHXT: 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
TRECEPTA/TC: resistance to above ground insects
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, PRO2: 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
BL:
RW: corn rootworm resistance
****Test:** E = Early, M = Medium, L = Late, W = White
™ = Trade Mark
*****CRM:** Cumulative Relative Maturity

Table 2E. State Summary, early, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
AgriGold A639-70STXRIB	257.2			18.1	59.7	0	DEKALB DKC60-80RIB	236.3			17.9	59.9	0
NuTech 70A8AM	254.8			18.3	60.1	0	NuTech Seed 68B3AML	235.7	216.6		17.8	60.3	0
Warren Seed DS 5018	250.7	228.3		16.8	59.3	0	Beck's 6112V2P	235.6			17.6	62.7	0
Channel 209-15VT2PRIB	250.6	231.2	234.7	17.8	59.8	0	Wyffels W7876RIB	235.6			18.3	61.0	0
FS InVISION FS 6194V RIB	250.1	232.3		17.9	60.0	0	Progeny Ag PGY2008VT2P	234.9	228.0		17.1	58.9	0
Local Seed LC0999VT2P	248.5			17.7	60.0	0	Pioneer P1077YHR	232.2			18.0	60.2	0
Dyna-Gro D50VC78	247.9			17.6	59.1	0	LG Seeds LG59C72VT2RIB	231.3			16.9	58.3	0
NuTech 68A7AM	247.6			17.4	59.3	0	NuTech Seed 5FB-9909AM	230.0	218.2		16.9	59.0	0
DEKALB DKC59-82RIB	245.9			17.8	59.3	0	Local Seed LC0877 VT2PRIB	229.1	216.6		17.4	58.8	0
Brevant Seeds B07H01AM	245.0			17.3	59.3	0	Beck's XL®6082™*	228.9			17.8	60.5	0
NuTech 71F5Q	244.8			18.3	59.6	0	LG Seeds LG60C12-5222	227.8			17.5	59.6	0
ARMOR A1029	244.2	225.5		17.8	59.9	0	Caverndale CF 794 VIPTERA 3111	225.1	212.1		19.3	61.8	0
Stewart 09DD140	241.7	230.8		17.0	58.5	0	Caverndale CF 753GTCBLL	217.7	209.6	212.7	17.6	60.1	0
Brevant Seeds B11H09AM	241.3			18.2	59.6	0	Armor A0711	216.7			17.6	60.3	0
Stewart 09DP409	240.7			17.4	59.4	0	Average	239.5	222.3	221.4	17.6	59.6	0
Pioneer P1197YHR	239.9	217.3	216.9	17.6	60.2	0	C.V.	6.2	8.4	8.2	3.2	2.2	441
Progeny Ag EXP2010	239.5			17.0	59.0	0	LSD	12.7	25.9	20.8	0.5	1.1	0
DEKALB DKC61-41RIB	239.3	222.9		17.3	58.0	0	Early varieties: 111 days or less to maturity						
Local Seed LC1307TC	237.8			17.9	59.5	0	Shaded cells are not significantly different from top yield (0.10)						

Table 2M. State Summary, medium, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
Channel 214-78DGVT2PRIB	259.6			18.7	60.6	0	AgriGold A642-59VT2RIB	235.6	227.3	223.3	18.4	60.2	0
Channel 215-60TRERIB	253.2	233.2	234.3	18.9	59.7	0	Local Seed LC1289 VT2PRIB	235.4	224.4		18.5	60.4	0
AgriGold A6544VT2RIB	252.3	235.3	236.5	18.8	60.0	0	FS InVISION FS 62ZV1 RIB	235.1	220.7		18.2	60.6	0
FS InVISION FS 6306T RIB	249.1			18.1	60.3	0	Brevant Seeds B13Y85AM	234.8	222.3		19.2	59.8	0
LG Seeds LG64C30TRCRIB	247.5	217.6	221.7	18.6	61.0	0	FS InVISION FS 6395VDG RIB	234.0			17.9	60.8	0
Dyna-Gro D55VC80	247.5			19.3	60.7	0	NuTech Seed 5FB-2213AM	234.0	203.7		18.9	61.5	0
AgriGold A645-16VT2PRO	247.2	224.7		19.4	60.4	0	Dyna-Gro D53VC33	233.9			18.4	60.5	0
ARMOR A1575	246.7	228.5		18.9	62.3	0	Local Seed LC1577 VT2PRIB	233.7	217.5		19.1	61.5	0
Brevant Seeds B15M08AM	246.2			19.0	60.8	0	ARMOR A1299	233.6	221.3		18.1	60.3	0
Stewart 15DP519	244.9	228.0	228.7	19.0	60.9	0	Mission Amp A1548DGVT2P	233.3			19.0	61.6	0
Stewart 14DD339	244.6	226.7	227.0	18.8	60.3	0	Pioneer P1442YHR	232.9	218.0		19.6	61.6	0
DEKALB DKC65-99RIB	243.7	230.0		19.6	60.9	0	Seed Consultants SC 1141AM	232.8			19.0	60.7	0
Local Seed LC1506 VT2P	243.2			18.8	63.1	0	NuTech 74B6AM	232.5			19.0	60.7	1
NuTech Seed 75G1AM	243.0	223.3		19.9	62.4	0	Warren Seed DS 5371	232.4			18.7	60.6	0
Local Seed LC1398VT2P	242.9			18.9	61.2	0	Seed Consultants SC 1121AM	232.2			18.0	62.2	0
Beck's 6414V2P	241.3			19.2	61.6	0	NuTech 72B7AM	231.6			19.0	61.6	0
FS InVISION FS 6595V RIB	241.0	225.7		19.6	60.4	0	Brevant Seeds B14J04AM	231.5			18.9	60.3	0
Dyna-Gro D54VC34	240.9			18.3	60.8	0	Progeny Ag EXP1913	231.0	217.6		18.8	61.0	0
DEKALB DKC65-95RIB	240.4	218.9	220.1	19.1	62.1	0	Progeny Ag EXP1915	230.6	209.8		19.5	62.0	0
DEKALB DKC63-91RIB	240.4	229.0		17.3	59.0	0	Mission Amp A1257VT2P	229.1			18.4	60.7	0
Warren Seed DS 5210	240.1			18.4	60.1	0	AgriGold A6572VT2RIB	228.4	215.6	211.6	19.1	62.5	0
Taylor Seed T8680VT2PRO	239.9			20.4	61.6	0	NuTech Seed 75D2AM	227.8	216.2		19.3	60.0	0
DEKALB DKC64-35RIB	239.5	220.4	222.5	19.4	62.0	0	Progeny Ag PGY 9114VT2P	226.8	222.2	222.1	18.8	61.5	0
Warren Seed DS 5510	237.6	220.8		19.8	61.9	0	Taylor T8824	225.9	221.2		18.8	61.4	0
Beck's 6557V2P	237.4			19.3	60.5	0	Taylor Seed T8561VT2PRO	225.7			19.1	60.8	0
Brevant Seeds B15H98AM	237.2			20.1	62.3	0	DEKALB DKC64-64RIB	225.2			18.5	60.5	0
DEKALB DKC63-57RIB	237.2	218.6	222.2	18.7	60.8	0	Beck's 6374V2P	224.7			18.1	60.8	0
Local Seed LC1497DGV2P	237.1			18.2	60.9	0	Caverndale CF 859 VIPTERA 3111	223.8	210.7		19.6	62.1	0
DEKALB DKC62-53RIB	237.0	219.5	220.5	18.2	60.4	0	Progeny Ag PGY2015VT2P	223.2			18.3	62.5	0
AgriGold A642-47STX	237.0			19.8	61.1	0	Progeny Ag PGY2012VT2P	221.8		215.5	18.5	60.3	0
Stewart 12DT701	236.7			18.2	59.1	0	Pioneer P1464VYHR	213.9	204.2		19.3	60.7	0
Stewart 13DD360	236.5	223.1		18.2	59.9	0	Average	236.4	221.0	223.3	18.8	60.9	0
LG Seeds LG62C35VT2Pro	236.2			17.8	60.0	0	C.V.	7.1	9.3	9.1	3.8	2.7	499
Mission Amp A1477DGV2P	236.1			18.5	59.2	0	LSD	14.3	28.3	22.5	0.6	1.4	0
Stewart 8E623RIB	236.0	217.8	220.9	18.7	59.5	0	Medium varieties: 112-115 days to maturity						
							Shaded cells are not significantly different from top yield (0.10)						

Table 2L. State Summary, late, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
FS InVISION FS 6606T RIB	247.7			18.8	58.8	0	Brevant Seeds B16J93AM	230.9			20.5	62.1	0
Warren Seed DS 5676	247.2			20.0	61.3	0	Stewart 16DP117	230.6	221.8	223.9	20.4	60.7	0
Wyffels W8936DGRIB	246.0			19.5	60.6	0	Progeny Ag PGY9117VT2P	230.4	221.4		20.5	61.6	0
DEKALB DKC67-44	245.1	235.6	233.0	19.3	61.1	0	Progeny Ag PGY8116SS	230.0	215.6	214.1	19.5	62.3	0
Seed Consultants SCS 1170AM	244.8	229.5		19.1	60.6	0	Local Seed LC1806 VT2P	229.3			18.5	61.8	0
AgriGold A647-42TRC	244.5			18.5	58.7	0	AgriGold A647-90VT2RIB	229.2			20.0	61.4	0
DEKALB DKC66-18RIB	243.3	233.2		18.8	63.2	0	Stewart 17DP387	227.4	218.1	217.1	20.6	61.8	0
Dyna-Gro D58VC65	242.3	227.8	228.5	19.7	61.4	0	Seed Consultants SCS 1188AM	227.3	216.1		20.4	61.2	0
DEKALB DKC70-27RIB	240.7	222.4	225.8	20.4	60.3	0	AgVenture AV7516Q	226.9			20.6	62.1	0
Local Seed LC1898TC	240.0			19.1	63.4	0	Dyna-Gro D57VC17	225.7			19.5	61.9	0
Pioneer P1870YHR	239.9	224.9	222.8	20.8	61.8	0	FS InVISION FS 67SV1 RIB	224.7	209.7	209.6	19.9	61.8	0
DEKALB DKC67-37RIB	238.0			19.7	61.3	0	Pioneer P1637YHR	224.3	212.3	207.2	19.5	61.9	0
Mission Amp A1657VT2P	237.5			19.6	60.2	0	Local Seed LC1697	222.8	210.9		19.7	61.7	0
Stewart 17DP781	236.3			21.2	58.6	0	Local Seed LC1707 VT2P	222.3			19.8	62.6	0
LG Seeds LG66C44VT2PRO	235.7			19.4	60.4	0	LG Seeds LG66C32VT2PRO	219.4			19.3	61.4	0
Pioneer P1847VYHR	235.3	222.2	223.3	21.4	61.2	0	AgVenture AV8216YHB	218.9			19.0	61.8	0
Local Seed LC1987 VT2P	235.2	217.2		20.1	61.7	0	NuTech E74D3AM	215.6			19.0	62.6	0
DEKALB DKC69-99RIB	234.3			19.2	63.9	0	Average	233.4	221.5	220.5	19.7	61.4	0
NuTech Seed 78A1AM	233.8	227.2		20.5	62.7	0	C.V.	7.6	7.9	8.1	3.9	4.2	0
Pioneer P2089VYHR	232.7	221.8	219.7	20.8	59.6	0	LSD	15.2	24.1	20.1	0.7	2.2	0
LG Seeds LG68C22VT2PRO	232.4			20.2	62.4	0							
Mission Amp A1798VT2P	232.2			20.9	59.6	0							

Late varieties: 116 days or more to maturity
 Shaded cells are not significantly different from top yield (0.10)

Table 2C. State Summary, conventional, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20			
Spectrum 6228	222.7			18.2	59.7	0
Pioneer P1442	221.7	215.1		20.2	60.8	1
Pioneer P1870	220.5	219.9		20.2	60.7	0
Spectrum 6416	218.7	217.0		20.8	56.7	0
Pioneer P0977	211.4			18.7	61.1	1
Caverndale CF 790	211.0			20.4	62.0	0
BioMineral-OCN	210.2			17.3	59.4	0
Spectrum 6775	210.2			22.1	58.9	0
BioMineral-YCN	208.9			17.5	59.9	0
Pioneer P1197	206.2	214.9	219.1	18.1	58.7	0
Caverndale CF 855	205.4	204.4	205.3	20.2	62.5	0
Spectrum 6334	198.8			20.3	61.0	0
Average	212.2	214.2	212.2	19.5	60.1	0
C.V.	8.9	8.0	8.3	3.6	5.2	409
LSD	18.3	22.9	19.5	0.7	3.0	1

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

Table 3E. Disease Ratings (Fayette County), early, 2020.

NAME	Mean GLS (%)	Mean NCLB (%)	NAME	Mean GLS (%)	Mean NCLB (%)	NAME	Mean GLS (%)	Mean NCLB (%)
AgriGold A639-70STXRIB	3.67	4.33	LG Seeds LG59C72VT2RIB	3.67	7.33	NuTech Seed 68B3AML	5.00	13.33
Armor A0711	6.00	11.67	LG Seeds LG60C12-5222	6.67	36.67	Pioneer P1077YHR	11.67	23.33
ARMOR A1029	6.67	16.67	Local Seed LC0877 VT2PRIB	11.67	15.00	Pioneer P1197YHR	18.33	11.00
Caverndale CF 753GTCBLL	8.33	20.00	Local Seed LC0999 VT2P	5.67	38.33	Progeny Ag EXP2010	3.67	22.33
Caverndale CF 794 VIPTERA 3111	11.67	21.67	Local Seed LC1307TC	3.67	7.33	Progeny Ag PGY2008VT2P	11.67	23.33
Channel 209-15VT2PRIB	2.00	8.33	Brevant Seeds B07H01AM	5.00	6.67	Stewart 09DD140	10.00	30.00
DEKALB DKC59-82RIB	11.67	11.67	Brevant Seeds B11H09AM	13.33	8.33	Stewart 09DP409	11.67	30.00
DEKALB DKC60-80RIB	9.00	4.00	NuTech 68A7AM	15.00	30.00	Warren Seed DS 5018	5.00	56.67
DEKALB DKC61-41RIB	8.00	6.00	NuTech 70A8AM	10.00	16.67			
Dyna-Gro D50VC78	5.00	25.67	NuTech 71F5Q	6.67	8.33			
FS InVISION FS 6194V RIB	5.33	14.00	NuTech Seed 5FB-9909AM	8.33	39.00			

GLS = Gray Leaf Spot
NCLB=Northern Corn Leaf Blight

Table 3M. Disease Ratings (Fayette County), medium, 2020.

NAME	Mean GLS (%)	Mean NCLB (%)	NAME	Mean GLS (%)	Mean NCLB (%)	NAME	Mean GLS (%)	Mean NCLB (%)
AgriGold A642-47STX	4.33	9.00	FS InVISION FS 62ZV1 RIB	10.00	6.00	Pioneer P1442YHR	5.67	30.00
AgriGold A642-59VT2RIB	11.67	1.33	FS InVISION FS 6306T RIB	2.33	4.33	Pioneer P1464VYHR	6.33	36.67
AgriGold A645-16VT2PRO	5.00	0.00	FS InVISION FS 6395VDG RIB	6.67	5.00	Progeny Ag EXP1913	7.33	3.33
AgriGold A6544VT2RIB	9.00	7.33	FS InVISION FS 6595V RIB	3.00	2.67	Progeny Ag EXP1915	6.67	3.33
AgriGold A6572VT2RIB	5.67	6.67	LG Seeds LG62C35VT2Pro	4.33	10.00	Progeny Ag PGY 9114VT2P	10.67	23.33
ARMOR A1299	5.00	5.00	LG Seeds LG64C30TRCRIB	3.00	6.67	Progeny Ag PGY2012VT2P	6.33	1.67
ARMOR A1575	4.33	0.00	Local Seed LC1289 VT2PRIB	9.00	5.67	Progeny Ag PGY2015VT2P	6.67	21.67
Beck's 6374V2P	9.00	10.00	Local Seed LC1398 VT2P	10.00	11.00	Seed Consultants SC 1121AM	6.33	1.67
Beck's 6414V2P	8.00	15.00	Local Seed LC1497 DGVT2P	11.67	10.00	Seed Consultants SC 1141AM	5.00	6.67
Beck's 6557V2P	4.33	0.00	Local Seed LC1577 VT2PRIB	13.33	23.33	Stewart 12DT701	4.33	11.67
Caverndale CF 859 VIPTERA 3111	8.33	5.67	Local Seed LC1506 VT2P	6.33	10.00	Stewart 13DD360	1.67	5.67
Channel 214-78DGV2PRIB	5.67	10.00	Mission Amp A1257VT2P	8.33	10.00	Stewart 14DD339	4.33	10.67
Channel 215-60TRERIB	4.33	0.33	Mission Amp A1477DGV2P	4.33	23.33	Stewart 15DP519	4.33	6.00
DEKALB DKC62-53RIB	5.00	9.00	Mission Amp A1548DGV2P	3.67	0.67	Stewart 8E623RIB	11.67	26.67
DEKALB DKC63-57RIB	1.00	2.67	Brevant Seeds B13Y85AM	13.33	2.67	Taylor Seed T8561VT2PRO	3.67	0.67
DEKALB DKC63-91RIB	6.33	1.33	Brevant Seeds B15H98AM	12.33	12.33	Taylor Seed T8680VT2PRO	9.00	8.33
DEKALB DKC64-35RIB	6.67	0.33	Brevant Seeds B14J04AM	5.00	26.67	Taylor T8824	8.33	21.67
DEKALB DKC64-64RIB	6.33	10.00	Brevant Seeds B15M08AM	7.67	7.33	Warren Seed DS 5210	5.33	6.00
DEKALB DKC65-95RIB	6.00	7.33	NuTech 72B7AM	9.00	5.67	Warren Seed DS 5371	5.00	16.67
DEKALB DKC65-99RIB	2.33	1.00	NuTech 74B6AM	9.00	20.00	Warren Seed DS 5510	6.33	10.00
Dyna-Gro D53VC33	4.33	3.67	NuTech Seed 5FB-2213AM	3.67	10.00			
Dyna-Gro D54VC34	5.67	3.67	NuTech Seed 75D2AM	8.33	33.33			
Dyna-Gro D55VC80	3.00	8.33	NuTech Seed 75G1AM	6.33	33.33			

GLS = Gray Leaf Spot
NCLB=Northern Corn Leaf Blight

Table 3C. Disease Ratings (Fayette County), conventional, 2020.

NAME	Mean GLS (%)	Mean SR (%)	Mean NCLB (%)
Caverndale CF 790	3.00	0.00	2.67
Caverndale CF 855	1.67	0.33	4.33
Pioneer P0977	1.67	0.00	11.67
Pioneer P1197	4.33	0.00	30.00
Pioneer P1442	3.00	0.00	8.67
Pioneer P1870	2.33	0.00	31.67
Spectrum 6228	3.00	0.00	20.00
Spectrum 6334	10.00	0.00	32.33
Spectrum 6416	0.67	0.00	9.00
Spectrum 6775	1.00	0.00	3.67

GLS = Gray Leaf Spot
SR=Southern Rust
NCLB=Northern Corn Leaf Blight

Table 4E. Butler County, early, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
AgriGold A639-70STXRIB	262.8			21.3	58.5	0	Local Seed LC0999VT2P	235.1			19.4	59.5	0
Local Seed LC1307TC	258.4			20.6	59.5	0	NuTech 68A7AM	234.9			19.9	59.2	0
FS InVISION FS 6194V RIB	258.3	227.8		20.3	59.4	0	Pioneer P1077YHR	234.8			20.3	59.3	1
NuTech 70A8AM	253.5			21.1	60.0	0	Pioneer P1197YHR	234.7	195.4	209.1	19.6	59.5	2
ARMOR A1029	253.1	214.3		20.3	59.6	0	Brevant Seeds B07H01AM	234.0			19.5	59.4	0
Dyna-Gro D50VC78	253.0			19.8	58.9	0	NuTech 71F5Q	230.3			20.6	58.6	0
DEKALB DKC59-82RIB	252.6			20.0	58.8	0	Wyffels W7876RIB	229.7			20.8	60.5	0
Stewart 09DD140	250.3	217.7		19.0	58.0	0	Armor A0711	229.3			19.3	60.1	0
Stewart 09DP409	249.0			18.4	58.4	0	Beck's XL®6082™*	226.5			20.9	60.4	1
Channel 209-15VT2PRIB	248.4	212.0	226.6	20.4	59.3	0	LG Seeds LG60C12-5222	221.0			20.5	57.1	0
DEKALB DKC61-41RIB	247.3	219.5		20.0	57.4	0	Warren Seed DS 5018	216.4	209.7		19.1	59.7	2
Caverndale CF 794 VIPTERA 3111	244.9	217.4		22.5	60.8	0	Caverndale CF 753GTCBLL	214.3	194.2	197.8	20.4	60.0	0
Beck's 6112V2P	243.5			20.9	60.5	0	NuTech Seed 5FB-9909AM	206.3	199.3		19.0	58.7	0
DEKALB DKC60-80RIB	243.5			20.7	58.6	0	Average	240.3	211.6	211.2	20.0	59.0	0
Progeny Ag EXP2010	242.3			19.3	58.5	0	C.V.	4.7	7.9	8.0	3.1	1.1	501
Progeny Ag PGY2008VT2P	242.2	209.8		19.4	59.2	0	LSD	22.0	24.1	19.8	1.2	1.3	2
LG Seeds LG59C72VT2RIB	241.4			19.0	57.4	0	Early varieties: 111 days or less to maturity						
Local Seed LC0877 VT2PRIB	241.0	210.2		20.0	58.2	0	Shaded cells are not significantly different from top yield (0.10)						
Brevant Seeds B11H09AM	237.9			20.6	58.9	0	Planted: May 11, 2020; Harvested: October 6, 2020						
NuTech Seed 68B3AML	237.3	223.1		20.1	60.0	0	Soil type: Newark Silt Loam; Previous crop: Soybean; Fertilizer: 220/70/90						

Table 4M. Butler County, medium, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
FS InVISION FS 6306T RIB	258.5			21.4	59.4	0	NuTech 74B6AM	224.5			21.0	59.9	0
Channel 214-78DGV2PRIB	254.5			22.0	59.2	0	FS InVISION FS 62ZV1 RIB	224.1	213.7		20.4	59.8	0
Beck's 6414V2P	251.3			22.4	60.8	0	DEKALB DKC63-91RIB	224.1	216.9		21.3	58.4	0
Stewart 15DP519	249.8	223.9	224.7	22.4	59.2	0	Mission Amp A125VT2P	223.9			20.8	60.6	0
DEKALB DKC62-53RIB	249.5	225.5	220.1	21.3	59.1	0	Local Seed LC1398VT2P	223.4			21.3	60.5	0
Channel 215-60TRERIB	249.2	227.2	230.8	23.1	58.0	0	Progeny Ag PGY2015VT2P	223.3			21.1	60.5	0
Local Seed LC1506 VT2P	245.2			22.0	62.6	0	Mission Amp A1477DGV2P	221.8			22.0	58.8	1
Beck's 6557V2P	244.5			23.1	59.5	0	AgriGold A642-47STX	221.7			22.7	59.1	0
AgriGold A6544VT2RIB	240.2	223.3	229.4	21.5	59.1	0	LG Seeds LG64C30TRCRIB	220.1	190.1	201.2	21.7	60.5	0
ARMOR A1575	239.5	204.2		20.5	67.8	0	NuTech 72B7AM	220.0			21.7	61.2	0
Mission Amp A1548DGV2P	238.7			22.5	59.6	0	Local Seed LC1497DGV2P	220.0			21.5	60.3	0
Dyna-Gro D55VC80	237.8			22.0	59.9	0	NuTech Seed 75D2AM	218.2	212.8		22.0	58.8	3
DEKALB DKC65-95RIB	237.8	206.8	212.6	21.7	61.6	0	DEKALB DKC64-35RIB	217.5	210.7	212.9	22.2	60.9	0
AgriGold A642-59VT2RIB	235.9	221.0	212.5	21.7	59.3	0	Seed Consultants SC 1121AM	217.2			19.1	72.6	0
FS InVISION FS 6595V RIB	235.7	215.6		23.0	58.4	0	Brevant Seeds B14J04AM	217.1			22.2	59.2	0
Stewart 8E623RIB	234.8	227.1	227.0	23.0	58.9	0	DEKALB DKC65-99RIB	215.8	203.9		22.3	59.7	0
NuTech Seed 75G1AM	234.6	218.7		23.0	60.4	0	Warren Seed DS 5210	215.6			20.8	60.0	0
Local Seed LC1289 VT2PRIB	234.2	221.6		22.1	59.8	0	Progeny Ag EXP1913	214.9	192.0		21.1	60.4	0
Dyna-Gro D53VC33	233.7			21.8	59.6	0	Brevant Seeds B15M08AM	214.8			21.3	59.9	0
Taylor Seed T8680VT2PRO	233.5			23.5	59.9	0	NuTech Seed 5FB-2213AM	212.6	176.5		22.2	58.7	1
Caverndale CF 859 VIPTERA 3111	233.4	208.9		22.4	60.3	0	Warren Seed DS 5510	211.4	192.5		21.4	59.6	0
ARMOR A1299	233.0	216.9		21.0	60.2	0	Brevant Seeds B15H98AM	210.9			22.3	60.5	0
DEKALB DKC64-64RIB	230.2			22.9	60.0	0	Progeny Ag PGY 9114VT2P	207.6	211.3	213.4	20.2	60.3	0
AgriGold A6572VT2RIB	230.0	204.0	211.6	22.2	61.6	0	Seed Consultants SC 1141AM	207.0			21.9	59.7	0
Stewart 13DD360	229.5	213.3		21.6	59.6	0	Taylor Seed T8561VT2PRO	205.8			21.9	59.8	0
Dyna-Gro D54VC34	229.1			21.8	59.7	0	Warren Seed DS 5371	203.5			20.4	58.7	0
LG Seeds LG62C35VT2Pro	228.9			20.1	59.8	0	Taylor T8824	203.0	210.4		20.7	60.2	0
Beck's 6374V2P	228.6			21.7	59.5	0	Progeny Ag PGY2012VT2P	202.8		207.6	21.6	59.3	0
AgriGold A645-16VT2PRO	228.0	222.5		22.1	58.9	0	Pioneer P1464VYHR	200.6	185.8		22.6	60.1	2
Stewart 12DT701	227.6			21.6	58.3	1	Local Seed LC1577 VT2PRIB	198.1	195.2		21.7	60.2	0
Stewart 14DD339	227.1	213.1	217.6	22.5	59.2	0	Average	226.3	210.3	217.0	21.8	60.1	0
FS InVISION FS 6395VDG RIB	226.9			20.6	59.8	0	C.V.	9.3	12.0	10.6	6.2	5.6	515
DEKALB DKC63-57RIB	226.6	215.7	216.7	22.4	60.3	0	LSD	40.7	34.8	25.3	2.6	6.4	1
Brevant Seeds B13Y85AM	225.5	205.6		22.2	58.9	0	Medium varieties: 112-115 days to maturity						
Pioneer P1442YHR	225.0	213.3		22.0	59.8	0	Shaded cells are not significantly different from top yield (0.10)						
Progeny Ag EXP1915	224.9	209.6		22.1	60.7	0	Planted: May 11, 2020; Harvested: October 6, 2020						
							Soil type: Newark Silt Loam; Previous crop: Soybean; Fertilizer: 220/70/90						

Table 4L. Butler County, late, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
DEKALB DKC66-18RIB	246.8	234.9		23.2	60.2	0	Local Seed LC1898TC	222.3			22.8	60.6	0
DEKALB DKC69-99RIB	245.3			21.1	70.7	0	Warren Seed DS 5676	222.1			24.0	60.2	0
AgriGold A647-90VT2RIB	242.7			23.8	60.2	0	LG Seeds LG68C22VT2PRO	219.4			24.4	60.8	0
Seed Consultants SCS 1170AM	241.8	218.7		22.8	60.3	0	Stewart 17DP387	218.8	208.8	202.1	24.7	60.0	0
AgriGold A647-42TRC	241.5			21.8	57.7	0	Local Seed LC1806 VT2P	215.3			21.5	61.3	0
DEKALB DKC67-44	241.0	229.5	222.1	22.6	60.6	0	Local Seed LC1697	213.0	201.2		23.0	60.9	0
Dyna-Gro D58VC65	239.0	217.9	217.6	23.5	60.3	0	Seed Consultants SCS 1188AM	210.8	211.3		24.7	60.2	0
Local Seed LC1987 VT2P	236.2	211.9		24.0	60.3	0	LG Seeds LG66C32VT2PRO	208.4			23.0	61.1	0
Stewart 17DP781	234.9			26.6	55.6	0	Brevant Seeds B16J93AM	207.4			24.4	60.7	0
Wyffels W8936DGRIB	234.3			22.9	60.3	0	Pioneer P2089VYHR	206.8	207.9	211.7	25.6	57.2	0
FS InVISION FS 6606T RIB	233.9			22.7	57.9	0	Local Seed LC1707 VT2P	203.4			22.8	61.8	0
DEKALB DKC70-27RIB	230.6	204.0	209.3	24.4	57.9	0	FS InVISION FS 675V1 RIB	201.9	189.5	183.7	23.1	60.3	0
Mission Amp A1798VT2P	230.4			25.0	58.2	0	NuTech Seed 78A1AM	201.2	206.1		24.5	61.2	1
AgVenture AV8216YHB	229.2			23.0	60.6	0	Pioneer P1847VYHR	200.8	198.2	200.5	25.9	58.9	0
Stewart 16DP117	229.0	225.1	222.4	24.6	59.2	0	NuTech E74D3AM	199.7			22.1	61.6	1
Dyna-Gro D57VC17	228.2			22.7	60.6	0	Pioneer P1637YHR	195.8	182.4	175.4	23.5	60.2	0
Progeny Ag PGY9117VT2P	227.3	210.4		24.9	59.6	0	Average	224.0	209.3	205.3	23.4	60.2	0
AgVenture AV7516Q	226.0			24.9	60.5	0	C.V.	6.8	7.3	8.3	4.6	4.5	436
Mission Amp A1657VT2P	225.9			23.2	58.7	0	LSD	29.7	21.5	19.7	2.1	5.2	1
DEKALB DKC67-37RIB	225.2			22.4	60.2	0							
LG Seeds LG66C44VT2PRO	223.8			23.0	59.6	0							
Pioneer P1870YHR	223.6	208.9	211.5	24.8	60.8	0							
Progeny Ag PGY8116SS	223.4	200.2	202.4	23.6	61.1	1							

Late varieties: 116 days or more to maturity
Shaded cells are not significantly different from top yield (0.10)
Planted: May 11, 2020; Harvested: October 6, 2020
Soil type: Newark Silt Loam; Previous crop: Soybean; Fertilizer: 220/70/90

Table 4C. Butler County, conventional, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20			
Spectrum 6228	206.8			19.4	58.6	0
Caverndale CF 855	203.6	192.8	193.1	21.9	60.6	0
Caverndale CF 790	201.4			22.7	59.8	0
Biomineral-YCN	199.4			19.6	59.0	0
Spectrum 6775	194.4			24.4	56.7	0
Spectrum 6334	194.2			23.6	54.9	0
Spectrum 6416	193.7	207.5		23.1	54.1	0
Biomineral-OCN	190.9			18.6	58.2	0
Pioneer P1870	187.0	193.2		22.1	58.7	0
Pioneer P1197	184.7	190.5	208.6	18.7	56.5	0
Pioneer P1442	183.7	181.5		22.6	58.2	1
Pioneer P0977	182.9			20.1	59.2	0
Average	193.6	193.1	200.9	21.4	57.9	0
C.V.	11.1	9.6	8.8	2.8	1.2	277
LSD	44.3	25.7	19.4	1.2	1.4	0

Shaded cells are not significantly different from top yield (0.10)
Planted: May 11, 2020; Harvested: October 6, 2020
Soil type: Newark Silt Loam; Previous crop: Soybean; Fertilizer: 220/70/90

Table 5. Butler County, weather, 2020.

	Monthly Precipitation (in)	Temperature Average
March	9.5	52.1
April	4	53.9
May	3.4	62.8
June	6.8	73.4
July	4.8	78.8
August	3	75.1
September	5.1	68.3

Table 6E. Caldwell County, early, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LOGD (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LOGD (%)
	2020	19-20	18-20					2020	19-20	18-20			
NuTech 70A8AM	255.9			16.4	60.1	0	Beck's XL®6082™*	222.2			16.2	59.2	0
AgriGold A639-70STXRIB	246.6			16.4	59.9	0	NuTech Seed 5FB-9909AM	221.0	219.1		15.2	58.4	0
Dyna-Gro D50VC78	245.5			16.3	59.1	0	DEKALB DKC59-82RIB	220.1			16.2	59.4	0
Channel 209-15VT2PRIB	244.9	236.2	204.6	16.4	60.4	0	ARMOR A1029	219.3	216.3		16.3	60.3	0
Local Seed LC0999VT2P	241.6			16.3	60.0	0	DEKALB DKC61-41RIB	218.5	203.2		15.8	57.7	0
Warren Seed DS 5018	240.9	228.7		15.2	57.4	0	NuTech 71F5Q	216.9			17.1	58.5	1
NuTech 68A7AM	237.5			16.1	59.2	0	Pioneer P1077YHR	216.2			16.7	60.2	0
Progeny Ag EXP2010	234.8			15.5	58.5	0	Beck's 6112V2P	216.0			14.3	70.6	0
Local Seed LC1307TC	234.1			16.7	59.5	0	Caverndale CF 753GTCBLL	215.8	214.0	201.3	16.2	61.0	0
DEKALB DKC60-80RIB	233.8			16.2	60.0	0	Local Seed LC0877 VT2PRIB	214.3	213.8		16.0	59.4	1
Brevant Seeds B11H09AM	229.0			16.7	58.7	0	NuTech Seed 68B3AML	213.7	192.2		16.5	59.9	0
Caverndale CF 794 VIPTERA 3111	228.4	228.4		17.2	61.4	0	Stewart 09DP409	213.3			16.2	58.9	0
Wyffels W7876RIB	226.9			16.3	60.1	0	LG Seeds LG60C12-5222	200.2			16.1	58.2	0
Pioneer P1197YHR	226.1	214.2	191.2	16.3	60.2	0	Average	227.0	219.1	199.0	16.2	59.3	0
LG Seeds LG59C72VT2RIB	224.6			15.9	58.7	0	C.V.	6.4	10.8	15.4	2.8	1.2	612
Armor A0711	223.9			16.1	59.7	0	LSD	28.5	32.9	37.3	0.9	1.3	1
Brevant Seeds B07H01AM	223.6			15.6	58.7	0	Early varieties: 111 days or less to maturity						
Progeny Ag PGY2008VT2P	223.5	230.8		15.9	58.9	0	Shaded cells are not significantly different from top yield (0.10)						
FS InVISION FS 6194V RIB	222.7	218.1		16.6	60.2	0	Planted: April 21, 2020; Harvested: October 7, 2020						
							Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 180/46/60						

Table 6M. Caldwell County, medium, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LOGD (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LOGD (%)
	2020	19-20	18-20					2020	19-20	18-20			
Channel 214-78DGVT2PRIB	267.4			16.3	61.8	0	LG Seeds LG62C35VT2Pro	231.1			16.2	60.6	0
LG Seeds LG64C30TRCRIB	257.5	237.2	212.9	16.3	61.3	0	Progeny Ag PGY 9114VT2P	231.0	238.0	219.8	16.9	61.5	0
Local Seed LC1506 VT2P	254.0			16.6	63.2	0	FS InVISION FS 6595V RIB	230.3	240.4		17.2	61.2	0
Brevant Seeds B15M08AM	253.5			17.2	61.2	0	Brevant Seeds B14J04AM	230.0			16.8	60.4	0
Dyna-Gro D55VC80	253.4			17.2	61.1	0	AgriGold A645-16VT2PRO	229.8	229.0		17.2	60.6	0
Local Seed LC1398VT2P	249.8			16.5	62.0	0	Progeny Ag PGY2012VT2P	229.4		211.6	15.8	60.3	1
NuTech Seed 75G1AM	249.5	257.2		17.6	63.4	0	Taylor T8824	229.3	244.2		16.7	61.8	0
DEKALB DKC65-99RIB	249.2	254.2		17.0	61.7	0	DEKALB DKC63-91RIB	229.2	244.9		15.1	59.2	0
Stewart 12DT701	249.1			16.7	59.5	0	Brevant Seeds B13Y85AM	227.1	234.7		17.0	60.0	0
Stewart 14DD339	247.8	255.3	226.5	16.6	61.4	0	NuTech 72B7AM	227.0			16.7	61.1	0
Warren Seed DS 5371	243.8			17.2	61.3	0	Progeny Ag EXP1913	225.4	236.4		16.5	61.2	0
Brevant Seeds B15H98AM	243.1			17.8	63.1	0	NuTech 74B6AM	224.5			17.2	61.0	0
Local Seed LC1577 VT2PRIB	242.4	246.7		16.8	62.3	0	Dyna-Gro D54VC34	223.7			15.9	60.5	0
Warren Seed DS 5210	242.3			16.3	59.6	0	ARMOR A1299	223.6	233.3		16.2	59.9	0
Stewart 15DP519	241.9	248.7	219.7	16.2	61.9	0	Seed Consultants SC 1121AM	223.0			16.3	60.1	0
FS InVISION FS 6306T RIB	241.6			15.6	61.0	0	DEKALB DKC64-64RIB	221.1			15.4	60.2	0
FS InVISION FS 62ZV1 RIB	241.4	250.1		16.1	60.5	0	DEKALB DKC62-53RIB	220.3	235.5	224.4	15.9	60.1	0
Warren Seed DS 5510	240.8	248.3		17.5	62.1	0	Mission Amp A1257VT2P	220.1			16.2	60.2	1
Pioneer P1442YHR	240.3	246.6		16.9	62.3	0	Taylor Seed T8680VT2PRO	219.9			18.4	62.3	0
Progeny Ag EXP1915	240.1	246.5		17.3	62.9	0	Progeny Ag PGY2015VT2P	219.7			16.0	64.0	0
Beck's 6414V2P	239.8			16.6	62.0	0	Dyna-Gro D53VC33	213.2			15.8	60.5	0
DEKALB DKC65-95RIB	238.9	244.4	227.7	16.5	63.1	0	FS InVISION FS 6395VDG RIB	211.1			15.5	61.0	0
AgriGold A6544VT2RIB	238.5	246.3	229.1	16.7	60.7	0	Local Seed LC1497DGVT2P	210.9			15.8	61.3	0
AgriGold A642-59VT2RIB	238.3	245.2	217.6	15.8	59.8	0	AgriGold A6572VT2RIB	210.7	226.1	215.1	17.0	63.5	0
ARMOR A1575	237.9	242.8		16.9	62.0	0	DEKALB DKC63-57RIB	208.4	226.5	215.0	16.0	61.6	0
Channel 215-60TRERIB	236.9	245.8	231.2	15.9	60.5	0	Taylor Seed T8561VT2PRO	206.9			16.6	61.4	0
Local Seed LC1289 VT2PRIB	236.0	244.7		15.8	60.6	0	Caverndale CF 859 VIPTERA 3111	206.4	219.5		17.1	62.7	0
Mission Amp A1548DGVT2P	235.8			15.7	65.3	0	Beck's 6374V2P	204.7			15.6	61.5	0
Seed Consultants SC 1141AM	235.6			17.0	61.1	0	Stewart 13DD360	202.1	234.0		15.8	59.8	0
DEKALB DKC64-35RIB	235.2	232.6	211.0	17.9	62.8	0	Pioneer P1464VYHR	199.0	229.0		16.8	60.6	0
NuTech Seed 75D2AM	234.4	244.7		17.4	60.5	0	Average	232.0	240.6	219.8	16.5	61.3	0
Beck's 6557V2P	233.4			16.4	61.4	0	C.V.	8.3	7.8	9.8	2.8	1.8	467
AgriGold A642-47STX	233.3			17.0	61.7	1	LSD	36.9	25.0	24.8	0.9	2.1	1
Stewart 8E623RIB	233.3	240.1	215.8	16.2	60.5	0	Medium varieties: 112-115 days to maturity						
Mission Amp A1477DGVT2P	232.0			16.0	59.6	0	Shaded cells are not significantly different from top yield (0.10)						
NuTech Seed 5FB-2213AM	232.0	230.5		16.5	62.8	0	Planted: April 21, 2020; Harvested: October 7, 2020						
							Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 180/46/60						

Table 6L. Caldwell County, late, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
Warren Seed DS 5676	248.5			17.6	60.5	0	Stewart 16DP117	221.0	231.3	205.3	18.0	60.5	0
Wyffels W8936DGRIB	242.6			17.0	60.1	0	FS InVISION FS 67SV1 RIB	220.9	221.6	210.0	17.4	61.3	0
DEKALB DKC70-27RIB	241.8	234.4	208.9	17.4	60.9	0	DEKALB DKC66-18RIB	219.6	235.0		16.7	60.2	0
Pioneer P1847VYHR	239.2	246.9	215.0	19.5	61.2	0	Local Seed LC1707 VT2P	216.9			17.3	62.4	0
Local Seed LC1898TC	237.9			15.7	69.4	0	NuTech E74D3AM	216.2			17.0	62.2	0
Pioneer P2089VYHR	237.7	245.4	204.6	18.2	59.8	0	Local Seed LC1806 VT2P	215.8			16.5	61.0	0
Brevant Seeds B16J93AM	237.0			17.6	61.7	0	Dyna-Gro D57VC17	215.0			17.2	61.4	0
DEKALB DKC67-44	235.4	241.2	220.0	17.1	60.1	0	LG Seeds LG66C44VT2PRO	213.2			17.1	59.9	0
Progeny Ag PGY9117VT2P	233.8	234.4		17.8	61.4	0	Stewart 17DP781	212.8			17.7	59.4	0
Seed Consultants SCS 1170AM	232.2	242.3		16.9	59.7	0	AgriGold A647-90VT2RIB	211.2			17.4	60.7	0
Progeny Ag PGY8116SS	232.0	227.5	214.0	16.8	61.5	0	LG Seeds LG66C32VT2PRO	209.5			16.7	60.5	0
Pioneer P1870YHR	231.7	238.4	197.0	17.9	62.1	0	Local Seed LC1987 VT2P	206.6	215.0		17.5	61.5	0
Dyna-Gro D58VC65	230.4	247.0	225.1	17.4	61.0	2	Local Seed LC1697	205.3	219.5		17.5	61.3	0
Stewart 17DP387	229.1	231.1	203.7	18.1	61.7	0	LG Seeds LG68C22VT2PRO	204.7			17.5	62.2	0
Pioneer P1637YHR	228.9	236.1	209.7	17.3	61.5	0	AgVenture AV7516Q	204.6			18.4	61.1	0
Seed Consultants SCS 1188AM	228.1	227.9		17.9	61.8	0	AgVenture AV8216YHB	194.1			16.9	62.2	0
FS InVISION FS 6606T RIB	227.6			16.7	58.2	0	Average	223.7	234.0	210.3	17.3	61.2	0
Mission Amp A1798VT2P	227.4			18.5	59.2	0	C.V.	8.1	6.5	11.1	4.2	6.0	476
DEKALB DKC69-99RIB	226.9			17.4	60.9	0	LSD	35.1	20.2	26.7	1.4	7.1	0
AgriGold A647-42TRC	225.2			16.3	58.1	0	Late varieties: 116 days or more to maturity						
DEKALB DKC67-37RIB	224.5			17.7	61.2	0	Shaded cells are not significantly different from top yield (0.10)						
NuTech Seed 78A1AM	223.6	236.8		17.7	62.7	0	Planted: April 21, 2020; Harvested: October 7, 2020						
Mission Amp A1657VT2P	221.7			17.4	59.9	0	Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 180/46/60						

Table 6C. Caldwell County, conventional, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20			
Pioneer P1442	235.6	233.3		17.1	60.7	0
Pioneer P1870	227.6	242.0		17.5	61.2	0
Caverndale CF 790	223.0			17.9	62.5	0
Pioneer P0977	219.4			16.6	61.0	0
Spectrum 6416	213.5	222.4		17.5	58.6	0
Biominal-OCN	212.3			15.8	58.5	0
Spectrum 6228	209.4			15.9	59.1	0
Biominal-YCN	206.7			15.6	59.5	0
Spectrum 6775	195.7			18.1	59.8	0
Pioneer P1197	193.3	217.5	212.1	16.4	59.3	0
Spectrum 6334	182.2			14.8	71.7	0
Caverndale CF 855	175.1	197.4	201.6	17.5	63.1	0
Average	207.8	222.5	206.9	16.7	61.3	0
C.V.	14.9	10.9	9.7	6.2	10.1	600
LSD	64.7	32.8	23.4	2.1	12.6	0

Shaded cells are not significantly different from top yield (0.10)
 Planted: April 21, 2020; Harvested: October 7, 2020
 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 180/46/60

Table 7. Caldwell County, weather, 2020.

	Monthly Precipitation (in)	Temperature Average
March	6.6	52.3
April	3.1	54.2
May	5.5	63.8
June	5.1	74
July	6.9	79
August	3.8	75.1
September	4.9	68.7

Table 8E. Daviess County, early, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
Beck's XL®6082™*	272.7			18.3	60.8	0	NuTech 70A8AM	251.7			18.1	59.7	0
NuTech 71F5Q	268.7			18.5	60.4	0	NuTech 68A7AM	249.8			16.4	58.5	0
Warren Seed DS 5018	268.5	241.0		16.0	59.8	0	DEKALB DKC61-41RIB	249.0	240.1		17.0	58.4	0
Pioneer P1197YHR	266.0	245.7	228.1	17.0	60.4	0	Local Seed LC0999VT2P	248.0			17.2	59.4	0
Wyffels W7876RIB	265.4			19.4	61.6	0	Stewart 09DD140	246.1	243.3		16.8	58.8	0
Brevant Seeds B07H01AM	261.9			16.8	59.3	0	Caverndale CF 794 VIPTERA 3111	246.1	224.7		19.3	61.9	1
NuTech Seed 5FB-9909AM	261.5	238.5		16.5	58.9	0	LG Seeds LG60C12-5222	242.9			18.4	58.8	0
ARMOR A1029	261.2	243.2		17.7	59.5	0	Progeny Ag PGY2008VT2P	242.6	241.9		16.0	58.6	0
FS InVISION FS 6194V RIB	260.0	241.3		17.9	59.5	0	Local Seed LC0877 VT2PRIB	239.0	234.9		16.6	58.2	0
AgriGold A639-70STXRIB	259.7			17.4	59.5	0	LG Seeds LG59C72VT2RIB	231.2			16.5	58.0	0
DEKALB DKC59-82RIB	258.3			17.8	59.6	0	Caverndale CF 753GTCELL	225.8	221.3	223.7	16.4	59.9	0
DEKALB DKC60-80RIB	257.7			17.5	59.7	0	Armor A0711	224.9			17.1	60.5	0
Channel 209-15VT2PRIB	256.6	240.5	240.7	17.6	59.2	0	Local Seed LC1307TC	208.7			17.4	58.5	0
Beck's 6112V2P	256.5			18.5	61.1	0	Average	250.4	238.0	230.8	17.3	59.5	0
Dyna-Gro D50VC78	255.0			17.3	59.1	0	C.V.	6.1	8.4	9.1	3.3	1.3	382
Stewart 09DP409	254.4			17.3	59.4	0	LSD	30.0	27.9	24.2	1.1	1.5	0
NuTech Seed 68B3AML	254.3	237.8		17.8	60.5	0	Early varieties: 111 days or less to maturity						
Progeny Ag EXP2010	253.3			16.5	59.7	0	Shaded cells are not significantly different from top yield (0.10)						
Pioneer P1077YHR	252.4			17.0	60.7	0	Planted: April 22, 2020; Harvested: October 3, 2020						
							Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 180/92/120						

Table 8M. Daviess County, medium, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
Taylor Seed T8680VT2PRO	282.7			21.6	61.8	0	NuTech 74B6AM	256.1			19.5	60.6	0
Brevant Seeds B15M08AM	274.9			19.8	61.0	0	Local Seed LC1577 VT2PRIB	255.5	240.9		19.6	61.9	0
AgriGold A645-16VT2PRO	274.5	260.0		19.8	61.4	0	Warren Seed DS 5210	255.4			19.0	60.6	0
Channel 214-78DGV2PRIB	271.5			19.4	61.0	0	ARMOR A1299	254.2	235.9		18.5	61.8	0
AgriGold A6544VT2RIB	271.1	249.2	239.6	19.7	60.1	0	Mission Amp A1548DGV2P	254.1			20.4	61.5	0
FS InVISION FS 6595V RIB	270.9	254.4		20.3	61.0	0	Mission Amp A1477DGV2P	253.0			18.9	59.7	2
Channel 215-60TRERIB	270.5	256.9	247.6	19.5	59.9	0	AgriGold A642-47STX	252.9			20.4	61.4	0
Brevant Seeds B15H98AM	269.9			21.3	62.7	0	Brevant Seeds B14J04AM	252.8			19.2	60.6	0
Warren Seed DS 5510	269.5	251.9		21.1	62.7	0	Progeny Ag PGY2015VT2P	252.5			18.7	63.4	0
NuTech Seed 75G1AM	269.0	255.3		20.3	62.8	1	Local Seed LC1289 VT2PRIB	251.9	239.8		18.8	60.6	0
DEKALB DKC63-57RIB	268.5	252.0	249.7	19.4	61.1	0	Beck's 6557V2P	251.2			20.1	61.2	0
Stewart 13DD360	268.1	252.9		19.0	60.5	0	FS InVISION FS 6306T RIB	250.9			18.1	61.2	0
Local Seed LC1506 VT2P	267.7			18.9	63.0	0	Stewart 8E623RIB	250.8	248.3	239.6	19.3	59.7	0
DEKALB DKC63-91RIB	267.5	248.0		17.0	59.8	0	LG Seeds LG62C35VT2Pro	250.1			17.7	59.7	0
DEKALB DKC65-99RIB	267.3	246.9		20.7	61.5	0	Mission Amp A1257VT2P	250.1			19.1	61.2	0
ARMOR A1575	267.1	250.8		19.9	61.0	0	Progeny Ag EXP1915	249.3	237.7		20.6	62.3	0
Stewart 14DD339	266.4	234.5	227.3	19.2	60.1	0	Stewart 12DT701	248.6			18.7	59.9	0
Dyna-Gro D54VC34	265.7			18.6	61.7	0	LG Seeds LG64C30TRCRIB	248.6	230.0	233.1	18.9	61.9	0
Stewart 15DP519	265.2	248.7	234.5	19.7	61.4	0	DEKALB DKC65-95RIB	247.8	244.0	239.5	19.6	62.5	0
Local Seed LC1497DGV2P	264.8			18.1	61.5	0	AgriGold A6572VT2RIB	247.4	244.2	225.5	19.5	63.4	0
Seed Consultants SC 1121AM	264.6			19.0	59.3	0	Taylor Seed T8561VT2PRO	247.2			20.0	61.5	0
NuTech Seed 5FB-2213AM	264.6	239.8		18.7	62.1	0	Progeny Ag EXP1913	246.9	240.8		19.5	61.5	0
AgriGold A642-59VT2RIB	263.5	258.7	241.8	19.0	61.3	0	Pioneer P1442YHR	245.5	230.7		20.4	62.5	0
Dyna-Gro D55VC80	262.7			19.9	61.2	0	Progeny Ag PGY 9114VT2P	244.3	247.2	226.9	20.0	61.9	0
Local Seed LC1398VT2P	262.6			19.3	61.8	0	Caverndale CF 859 VIPTERA 3111	244.1	233.1		19.9	63.0	0
DEKALB DKC62-53RIB	261.9	246.3	244.6	18.3	60.9	1	Beck's 6414V2P	242.7			19.5	62.4	0
Dyna-Gro D53VC33	261.8			18.4	61.4	0	NuTech Seed 75D2AM	241.5	234.5		19.8	60.7	0
Pioneer P1464VYHR	261.2	229.9		20.4	61.4	0	Taylor T8824	239.3	238.5		19.6	61.9	0
Warren Seed DS 5371	260.8			19.1	61.6	0	Progeny Ag PGY2012VT2P	238.8		220.5	19.3	61.0	0
Seed Consultants SC 1141AM	259.0			19.7	61.2	0	Beck's 6374V2P	231.1			18.2	60.9	0
DEKALB DKC64-64RIB	258.9			18.7	60.8	0	Average	257.8	244.5	236.6	19.4	61.3	0
DEKALB DKC64-35RIB	258.4	243.7	242.4	19.6	61.8	0	C.V.	4.5	7.3	9.3	1.9	1.0	448
FS InVISION FS 62ZV1 RIB	257.9	241.6		18.9	61.4	0	LSD	22.4	24.4	25.0	0.7	1.2	1
FS InVISION FS 6395VDG RIB	256.8			18.5	61.7	0	Medium varieties: 112-115 days to maturity						
NuTech 72B7AM	256.7			19.7	62.2	0	Shaded cells are not significantly different from top yield (0.10)						
Brevant Seeds B13Y85AM	256.7	244.5		19.5	60.2	0	Planted: April 22, 2020; Harvested: October 3, 2020						
							Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 180/92/120						

Table 8L. Daviess County, late, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
DEKALB DKC67-37RIB	274.6			20.8	61.5	0	Local Seed LC1987 VT2P	252.8	240.3		20.7	62.0	0
Stewart 17DP781	273.8			22.6	59.4	0	Local Seed LC1697	248.1	234.7		20.9	62.2	0
FS InVISION FS 6606T RIB	273.0			20.0	59.7	0	Local Seed LC1898TC	247.9			20.4	62.2	0
Seed Consultants SCS 1170AM	271.6	248.4		20.0	61.1	0	Progeny Ag PGY8116SS	247.8	239.6	222.4	20.4	63.2	0
Warren Seed DS 5676	269.4			20.8	61.7	0	Mission Amp A1798VT2P	247.3			23.5	59.7	0
Pioneer P1870YHR	267.0	250.4	243.9	22.4	61.7	0	Stewart 17DP387	245.6	234.3	220.9	21.8	62.5	0
Wyffels W8936DGRIB	266.5			21.3	61.2	0	FS InVISION FS 67SV1 RIB	245.2	223.0	226.3	20.7	62.7	0
DEKALB DKC67-44	262.1	254.9	236.4	20.4	62.0	0	Dyna-Gro D57VC17	244.6			20.6	62.7	0
Pioneer P2089VYHR	261.6	249.0	240.6	22.2	60.0	0	Local Seed LC1707 VT2P	244.3			20.7	62.9	0
Mission Amp A1657VT2P	261.0			20.7	60.9	0	DEKALB DKC69-99RIB	243.4			20.2	62.7	0
Progeny Ag PGY9117VT2P	260.7	244.1		21.5	62.3	0	Stewart 16DP117	242.4	221.3	225.5	21.9	60.9	0
DEKALB DKC66-18RIB	259.8	247.5		20.2	60.9	0	DEKALB DKC70-27RIB	242.0	237.7	244.7	21.3	60.7	0
AgriGold A647-42TRC	258.7			19.6	59.6	0	AgriGold A647-90VT2RIB	241.4			20.7	62.4	0
Dyna-Gro D58VC65	258.0	223.5	230.6	21.0	62.1	0	LG Seeds LG66C32VT2PRO	237.4			20.4	62.2	0
LG Seeds LG68C22VT2PRO	257.4			21.2	62.5	0	AgVenture AV8216YHB	236.8			19.0	62.0	0
LG Seeds LG66C44VT2PRO	257.3			20.2	60.8	0	Local Seed LC1806 VT2P	236.1			19.4	61.7	0
NuTech Seed 78A1AM	256.6	241.9		22.0	62.0	0	Average	255.2	239.4	233.3	20.7	61.7	0
Brevant Seeds B16J93AM	256.4			21.8	62.1	0	C.V.	5.6	8.4	9.8	3.3	1.1	406
Pioneer P1637YHR	255.9	235.7	225.8	19.8	63.0	1	LSD	27.7	28.2	26.2	1.3	1.3	0
NuTech E74D3AM	255.8			19.6	63.3	0	Late varieties: 116 days or more to maturity						
AgVenture AV7516Q	255.6			21.3	62.9	0	Shaded cells are not significantly different from top yield (0.10)						
Pioneer P1847VYHR	255.3	245.5	249.3	21.9	61.8	0	Planted: April 22, 2020; Harvested: October 3, 2020						
Seed Consultants SCS 1188AM	254.5	236.7		21.4	60.8	1	Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 180/92/120						

Table 8C. Daviess County, conventional, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20			
Pioneer P1870	252.2	235.7		21.0	61.6	0
Pioneer P1442	249.9	247.4		21.1	62.1	2
Spectrum 6775	249.8			23.5	59.1	0
Spectrum 6416	248.7	236.7		22.4	56.7	0
Spectrum 6228	241.5			18.4	61.0	0
Caverndale CF 855	239.6	238.7	232.6	20.4	63.3	0
Pioneer P1197	235.2	245.9	250.7	18.2	59.5	1
Spectrum 6334	234.3			21.4	57.9	0
Caverndale CF 790	226.8			20.5	62.5	0
Pioneer P0977	226.0			19.1	62.2	2
Biomineral-YCN	225.9			17.1	60.6	0
Biomineral-OCN	225.8			17.5	59.8	0
Average	238.0	240.9	241.6	20.0	60.5	0
C.V.	4.1	6.3	7.7	2.5	1.3	285
LSD	20.1	20.7	20.4	1.0	1.6	3

Shaded cells are not significantly different from top yield (0.10)
 Planted: April 22, 2020; Harvested: October 3, 2020
 Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 180/92/120

Table 9. Daviess County, weather, 2020.

	Monthly Precipitation (in)	Irrigation	Temperature Average
March	6.1	0	49.8
April	2.7	0	52.7
May	5.3	0	63.5
June	7.1	1.5	73.8
July	4.8	2	77.5
August	2.7	0	73.5
September	3.3	0	67.9

Table 10E. Fulton County, early, 2020.

NAME	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20					2020	19-20			
Warren Seed DS 5018	294.3	211.6	15.4	59.3	0	Dyna-Gro D50VC78	260.1		15.8	59.7	0
NuTech 68A7AM	290.4		15.7	59.9	2	Wyffels W7876RIB	258.4		15.5	61.4	0
Stewart 09DD140	285.7	218.7	15.0	58.3	1	LG Seeds LG59C72VT2RIB	253.8		14.7	58.1	1
Brevant Seeds B07H01AM	284.1		15.7	59.9	0	DEKALB DKC60-80RIB	252.4		16.0	60.4	1
NuTech 70A8AM	281.0		16.3	60.6	0	Progeny Ag EXP2010	252.2		15.3	58.5	0
FS InVISION FS 6194V RIB	280.0	222.0	16.0	59.7	0	Progeny Ag PGY2008VT2P	251.1	197.4	15.7	58.7	0
Channel 209-15VT2PRIB	278.4	222.0	15.7	59.9	0	Local Seed LC0877 VT2PRIB	245.1	201.2	15.7	58.9	1
NuTech 71F5Q	278.0		15.6	59.5	0	Beck's 6112V2P	240.2		15.6	60.7	0
Local Seed LC0999VT2P	277.6		16.1	60.2	0	NuTech Seed 5FB-9909AM	240.0	184.5	15.5	59.5	2
DEKALB DKC61-41RIB	277.3	200.2	15.1	57.8	0	Caverndale CF 753GTCBLL	224.1	190.8	15.9	59.1	0
DEKALB DKC59-82RIB	276.8		15.9	59.6	0	Armor A0711	220.2		16.6	60.7	0
AgriGold A639-70STXRIB	276.4		16.1	59.8	0	Beck's XL®6082™*	214.7		15.4	60.7	0
Stewart 09DP409	276.0		16.2	59.8	0	Caverndale CF 794 VIPTERA 3111	203.2	167.4	16.9	62.2	0
Brevant Seeds B11H09AM	273.3		16.1	60.3	0	Average	264.3	200.2	15.8	59.6	0
ARMOR A1029	269.1	199.5	15.9	59.8	0	C.V.	7.6	9.5	2.4	1.0	245
Pioneer P1197YHR	268.3	195.4	15.9	60.2	1	LSD	39.6	29.6	0.7	1.1	2
LG Seeds LG60C12-5222	268.0		15.2	57.9	2	Early varieties: 111 days or less to maturity					
NuTech Seed 68B3AML	265.4	191.7	16.1	60.4	0	Shaded cells are not significantly different from top yield (0.10)					
Local Seed LC1307TC	263.3		15.9	60.0	0	Planted: May 11, 2020; Harvested: November 2, 2020					
Pioneer P1077YHR	262.6		16.1	59.8	0	Soil type: Calloway Silt Loam; Previous crop: Soybean					

Table 10M. Fulton County, medium, 2020.

NAME	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20					2020	19-20			
AgriGold A6544VT2RIB	285.4	256.5	15.8	59.6	0	LG Seeds LG62C35VT2Pro	254.3		15.9	59.4	2
Channel 215-60TRERIB	284.3	243.3	15.9	60.0	0	Dyna-Gro D54VC34	253.0		16.1	60.4	4
Channel 214-78DGV2PRIB	281.5		16.2	60.5	0	Stewart 14DD339	252.3	243.5	15.7	60.4	0
LG Seeds LG64C3OTRCRIB	279.7	240.2	16.5	60.7	0	DEKALB DKC63-57RIB	252.0	211.0	16.3	60.7	0
AgriGold A645-16VT2PRO	278.0	237.9	16.8	60.7	0	DEKALB DKC65-95RIB	251.7	242.2	16.8	61.7	0
Local Seed LC1497DGV2P	272.0		15.9	61.2	0	Stewart 8E623RIB	251.3	210.2	15.7	59.0	0
DEKALB DKC65-99RIB	268.5	266.6	17.0	60.6	0	FS InVISION FS 62ZV1 RIB	249.7	226.0	16.3	60.7	0
Brevant Seeds B14J04AM	268.2		16.3	60.7	0	DEKALB DKC62-53RIB	249.6	240.2	16.2	60.2	0
Progeny Ag EXP1913	267.8	248.0	16.3	60.9	0	Brevant Seeds B13Y85AM	249.0	236.4	16.7	60.4	0
NuTech Seed 75G1AM	266.9	235.0	17.9	63.1	1	Seed Consultants SC 1121AM	249.0		15.9	60.0	0
Dyna-Gro D55VC80	266.2		16.6	60.9	3	Warren Seed DS 5371	248.6		16.6	60.9	0
Warren Seed DS 5210	265.4		16.4	60.7	0	NuTech Seed 75D2AM	247.3	230.7	16.4	59.8	0
Stewart 15DP519	263.9	247.5	16.1	60.7	0	Beck's 6374V2P	247.2		15.8	60.5	0
Stewart 12DT701	262.6		15.6	59.0	0	Mission Amp A1257VT2P	247.1		16.2	60.7	0
AgriGold A642-47STX	262.1		17.3	61.2	0	Caverndale CF 859 VIPTERA 3111	247.0	238.2	16.7	62.3	0
Beck's 6414V2P	261.9		16.9	61.5	0	Local Seed LC1289 VT2PRIB	246.6	244.1	16.3	60.3	0
Warren Seed DS 5510	261.5	256.8	17.5	63.0	2	Beck's 6557V2P	245.6		16.1	60.4	0
Brevant Seeds B15H98AM	261.4		17.7	62.8	0	Progeny Ag PGY 9114VT2P	245.0	243.3	16.8	61.7	0
Brevant Seeds B15M08AM	261.4		16.9	61.1	2	Pioneer P1442YHR	243.1	241.5	17.0	61.9	0
FS InVISION FS 6395VDG RIB	261.0		15.9	60.3	0	ARMOR A1299	242.1	239.5	16.4	60.1	0
NuTech 72B7AM	260.7		17.1	61.9	0	Progeny Ag EXP1915	241.1	225.3	17.3	61.9	0
Taylor Seed T8561VT2PRO	260.0		16.7	60.8	0	Mission Amp A1548DGV2P	240.0		16.4	60.4	0
Taylor T8824	259.2	243.5	16.7	61.7	0	Progeny Ag PGY2012VT2P	237.7		15.8	60.2	0
Local Seed LC1398VT2P	258.9		16.5	61.1	0	Dyna-Gro D53VC33	235.4		16.2	60.5	0
Local Seed LC1577 VT2PRIB	258.8	232.0	17.2	61.3	0	Local Seed LC1506 VT2P	233.7		17.2	62.8	0
NuTech Seed 5FB-2213AM	258.8	224.5	16.8	61.8	0	AgriGold A6572VT2RIB	230.5	235.5	16.7	61.9	0
DEKALB DKC64-35RIB	258.6	248.2	16.7	62.0	0	AgriGold A642-59VT2RIB	230.1	226.2	16.1	59.9	0
DEKALB DKC63-91RIB	258.5	242.7	14.9	58.4	0	Progeny Ag PGY2015VT2P	221.0		16.3	61.9	2
FS InVISION FS 6306T RIB	258.0		16.1	60.1	0	DEKALB DKC64-64RIB	219.3		15.8	60.3	0
FS InVISION FS 6595V RIB	257.7	230.6	16.5	61.0	0	Pioneer P1464VYHR	209.8	214.6	16.4	60.7	0
ARMOR A1575	257.5	252.6	16.7	60.4	0	Average	254.2	238.0	16.4	60.8	0
Stewart 13DD360	257.3	236.7	15.4	59.4	1	C.V.	6.7	11.3	2.4	0.9	344
NuTech 74B6AM	256.6		16.5	61.2	6	LSD	32.9	37.0	0.8	1.0	3
Seed Consultants SC 1141AM	256.2		16.6	60.7	0	Medium varieties: 112-115 days to maturity					
Mission Amp A1477DGV2P	255.6		15.7	59.4	0	Shaded cells are not significantly different from top yield (0.10)					
Taylor Seed T8680VT2PRO	254.3		17.0	62.0	0	Planted: May 11, 2020; Harvested: November 2, 2020					
						Soil type: Calloway Silt Loam; Previous crop: Soybean					

Table 10L. Fulton County, late, 2020.

NAME	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20					2020	19-20			
Warren Seed DS 5676	295.6		16.3	62.6	0	Pioneer P2089VYHR	253.1	246.9	16.6	60.9	0
FS InVISION FS 6606T RIB	287.9		14.9	59.2	0	Brevant Seeds B16J93AM	251.8		17.3	63.5	0
AgriGold A647-42TRC	286.8		15.4	59.3	0	Progeny Ag PGY8116SS	249.5	241.8	16.5	62.9	0
Local Seed LC1898TC	282.2		16.5	63.0	0	Seed Consultants SCS 1188AM	249.2	249.5	16.5	61.6	0
DEKALB DKC70-27RIB	281.0	246.8	16.8	61.5	0	DEKALB DKC67-44	249.1	253.8	16.5	61.7	0
Wyffels W8936DGRIB	275.7		16.0	61.1	0	Stewart 17DP387	247.5	232.4	17.2	63.1	0
Local Seed LC1987 VT2P	274.8	248.8	16.6	62.4	0	AgVenture AV7516Q	245.3		17.2	63.1	0
Mission Amp A1657VT2P	274.8		16.3	61.2	0	Local Seed LC1707 VT2P	242.9		17.2	63.2	0
NuTech Seed 78A1AM	273.3	266.3	17.1	63.7	0	Pioneer P1637YHR	241.6	238.3	16.6	62.5	0
LG Seeds LG66C44VT2PRO	272.2		16.0	60.9	0	Progeny Ag PGY9117VT2P	239.4	233.1	16.8	62.5	0
Pioneer P1870YHR	269.5	242.4	16.8	62.9	0	Dyna-Gro D57VC17	239.0		16.6	62.7	0
Dyna-Gro D58VC65	269.2	261.2	16.4	62.1	0	Local Seed LC1697	237.3	221.0	16.7	62.3	0
Stewart 17DP781	268.5		15.9	60.3	0	LG Seeds LG66C32VT2PRO	234.9		16.4	61.7	0
LG Seeds LG68C22VT2PRO	268.3		17.3	63.3	0	AgriGold A647-90VT2RIB	234.0		16.8	62.4	0
Local Seed LC1806 VT2P	263.4		16.6	62.4	0	AgVenture AV8216YHB	230.4		16.4	62.7	0
Pioneer P1847VYHR	263.0	250.6	17.2	62.6	0	NuTech E74D3AM	211.5		17.1	63.1	0
Seed Consultants SCS 1170AM	259.4	257.4	16.0	61.1	0	Average	256.5	245.1	16.5	62.0	0
DEKALB DKC69-99RIB	259.2		17.0	62.8	0	C.V.	10.6	10.1	1.9	0.8	0
FS InVISION FS 67SV1 RIB	258.7	234.5	17.0	62.6	0	LSD	53.0	34.3	0.6	1.0	0
DEKALB DKC66-18RIB	258.2	246.7	16.0	61.3	0						
Stewart 16DP117	255.8	240.8	16.7	61.5	0						
Mission Amp A1798VT2P	254.4		16.6	61.2	0						
DEKALB DKC67-37RIB	253.4		16.6	61.9	0						

Late varieties: 116 days or more to maturity
 Shaded cells are not significantly different from top yield (0.10)
 Planted: May 11, 2020; Harvested: November 2, 2020
 Soil type: Calloway Silt Loam; Previous crop: Soybean

Table 11. Fulton County, weather, 2020.

	Monthly Precipitation (in)	Irrigation	Temperature Average
March	8.8	0	54
April	4	0	56.2
May	5.2	0	65.8
June	4.2	1	75.8
July	6.5	1.5	80.3
August	5.8	0	75.1
September	3.5	0	69.8

Table 12E. Logan County, early, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
AgriGold A639-70STXRIB	240.8			19.6	60.9	0	Beck's XL*6082***	208.4			18.2	61.4	0
Local Seed LC0999VT2P	240.0			19.3	61.0	0	NuTech Seed 68B3AML	207.7	211.5		18.7	60.7	0
Warren Seed DS 5018	233.4	221.2		18.2	60.4	0	LG Seeds LG60C12-5222	206.9			17.3	66.0	0
NuTech 70A8AM	232.0			19.7	60.3	0	Local Seed LC0877 VT2PRIB	206.3	213.4		18.6	59.3	0
NuTech 71F5Q	230.1			19.9	60.8	0	LG Seeds LG59C72VT2RIB	205.4			18.4	59.2	0
FS InVISION FS 6194V RIB	229.3	231.2		18.8	61.1	0	DEKALB DKC61-41RIB	204.6	215.1		18.4	58.5	0
Dyna-Gro D50VC78	226.0			18.6	58.7	0	Stewart 09DD140	204.5	220.0		19.0	59.3	0
NuTech 68A7AM	225.4			19.1	59.9	0	Pioneer P1197YHR	204.3	213.2	203.9	19.2	60.7	0
Channel 209-15VT2PRIB	224.5	235.6	223.3	18.7	60.4	0	Caverdale CF 794 VIPTERA 3111	202.8	206.0		20.8	62.7	0
Local Seed LC1307TC	224.5			18.8	59.9	0	Wyffels W7876RIB	197.4			19.4	61.3	0
DEKALB DKC59-82RIB	222.0			18.8	59.1	0	Pioneer P1077YHR	194.9			19.8	60.9	0
Beck's 6112V2P	221.6			18.6	60.6	0	DEKALB DKC60-80RIB	194.0			19.2	60.7	0
Brevant Seeds B07H01AM	221.5			18.9	59.4	0	Armor A0711	185.1			18.7	60.6	0
NuTech Seed 5FB-9909AM	221.2	216.3		18.3	59.6	0	Average	215.5	218.9	211.4	18.9	60.3	0
ARMOR A1029	218.1	227.9		18.9	60.1	0	C.V.	8.0	7.3	8.0	4.1	4.3	948
Progeny Ag PGY2008VT2P	215.2	226.5		18.5	59.1	0	LSD	33.7	21.7	19.1	1.5	5.1	0
Progeny Ag EXP2010	215.0			18.4	60.0	0	Early varieties: 111 days or less to maturity						
Stewart 09DP409	211.0			19.0	60.2	0	Shaded cells are not significantly different from top yield (0.10)						
Brevant Seeds B11H09AM	209.9			19.4	60.2	0	Planted: April 22, 2020; Harvested: September 30, 2020						
							Soil type: Pembroke Silt Loam; Previous crop: Soybean						

Table 12M. Logan County, medium, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
FS InVISION FS 6306T RIB	236.5			19.3	60.1	0	Stewart 8E623RIB	209.8	221.2	222.7	19.5	59.5	0
Dyna-Gro D54VC34	233.0			19.1	61.6	0	Taylor Seed T8680VT2PRO	208.9			21.8	61.9	0
LG Seeds LG64C30TRCRIB	231.7	222.4	221.8	19.8	60.4	0	Taylor Seed T8561VT2PRO	208.6			20.4	60.7	0
ARMOR A1575	231.6	229.5		20.7	60.4	0	Local Seed LC1289 VT2PRIB	208.3	209.8		19.3	60.5	0
DEKALB DKC63-57RIB	230.5	232.6	229.6	19.6	60.4	0	Seed Consultants SC 1121AM	207.0			19.6	59.2	0
Stewart 14DD339	229.3	232.0	230.3	20.0	60.3	0	Seed Consultants SC 1141AM	206.1			19.9	60.7	0
DEKALB DKC64-35RIB	227.5	227.3	223.7	20.9	62.2	0	Progeny Ag PGY 9114VT2P	206.1	221.9	224.1	20.0	62.2	0
AgriGold A6544VT2RIB	226.4	230.4	228.7	20.0	60.4	0	Warren Seed DS 5371	205.2			20.3	60.7	0
Brevant Seeds B15M08AM	226.4			19.9	61.0	0	Warren Seed DS 5510	204.7	218.5		21.3	62.2	0
DEKALB DKC65-95RIB	226.0	220.6	219.2	20.9	61.6	0	Mission Amp A1257VT2P	204.4			19.5	60.7	0
AgriGold A645-16VT2PRO	225.9	219.1		21.1	60.4	0	Stewart 15DP519	203.8	222.1	226.3	20.4	61.0	0
Stewart 13DD360	225.6	234.7		19.3	60.2	0	DEKALB DKC62-53RIB	203.6	218.2	218.9	19.2	61.6	0
Dyna-Gro D53VC33	225.5			19.6	60.5	0	FS InVISION FS 62ZV1 RIB	202.3	217.3		19.4	60.5	0
Channel 215-60TRERIB	225.4	234.3	237.3	20.0	59.9	0	NuTech Seed 5FB-2213AM	201.8	203.9		20.1	62.3	0
AgriGold A6572VT2RIB	223.4	222.7	212.4	19.9	62.0	0	NuTech 74B6AM	201.1			20.5	60.6	0
Channel 214-78DGV2PRIB	223.3			19.8	60.6	0	Brevant Seeds B15H98AM	200.8			21.5	62.3	0
DEKALB DKC63-91RIB	222.6	231.3		18.3	59.2	0	Progeny Ag PGY2012VT2P	200.1		205.8	19.8	60.5	0
Warren Seed DS 5210	222.0			19.5	59.6	0	Progeny Ag EXP1913	200.1	211.0		20.7	60.8	0
Local Seed LC1398VT2P	219.9			20.8	60.8	0	Progeny Ag PGY2015VT2P	199.5			19.2	62.7	0
Local Seed LC1497DGV2P	218.1			19.5	60.3	0	Pioneer P1464VYHR	198.9	203.9		20.3	60.8	0
Mission Amp A1477DGV2P	218.0			20.0	58.6	0	Taylor T8824	198.7	217.2		20.3	61.6	0
DEKALB DKC65-99RIB	217.6	220.4		20.9	61.2	0	Progeny Ag EXP1915	197.8	204.2		20.3	62.3	0
Dyna-Gro D55VC80	217.3			20.7	60.5	0	Mission Amp A1548DGV2P	197.8			20.3	61.0	0
LG Seeds LG62C35VT2Pro	216.4			19.1	60.5	0	NuTech Seed 75D2AM	197.5	210.9		20.6	60.0	0
Brevant Seeds B13Y85AM	215.5	221.4		20.7	59.3	0	DEKALB DKC64-64RIB	196.7			19.9	61.1	0
Local Seed LC1506 VT2P	215.3			19.2	63.9	0	Stewart 12DT701	195.9			18.5	58.7	0
ARMOR A1299	214.9	215.5		18.7	59.8	0	NuTech Seed 75G1AM	195.0	208.6		20.6	62.5	0
AgriGold A642-47STX	214.8			21.3	61.9	0	NuTech 72B7AM	193.4			19.8	61.9	0
Local Seed LC1577 VT2PRIB	214.5	222.6		20.5	62.0	0	Brevant Seeds B14J04AM	189.4			20.1	60.5	0
FS InVISION FS 6395VDG RIB	214.4			19.0	61.2	0	Caverdale CF 859 VIPTERA 3111	188.2	195.1		21.7	62.1	0
Beck's 6557V2P	212.1			20.8	60.2	0	Average	211.9	219.1	222.8	20.1	60.9	0
Beck's 6374V2P	211.8			19.4	61.5	0	C.V.	6.8	6.0	6.8	2.2	1.0	1407
Beck's 6414V2P	210.8			20.5	61.5	0	LSD	27.9	17.5	16.4	0.9	1.1	0
Pioneer P1442YHR	210.6	206.2		21.5	61.6	0	Medium varieties: 112-115 days to maturity						
FS InVISION FS 6595V RIB	210.4	221.5		21.1	60.6	0	Shaded cells are not significantly different from top yield (0.10)						
AgriGold A642-59VT2RIB	210.1	219.4	218.1	19.6	61.0	0	Planted: April 22, 2020; Harvested: September 30, 2020						
							Soil type: Pembroke Silt Loam; Previous crop: Soybean						

Table 12L. Logan County, late, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)	NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20					2020	19-20	18-20			
DEKALB DKC67-44	237.9	232.7	231.2	19.7	61.4	0	Local Seed LC1707VT2P	203.9			20.9	62.9	0
DEKALB DKC66-18RIB	232.2	235.6		17.8	73.3	0	AgVenture AV8216YHB	203.8			19.9	61.7	0
Seed Consultants SCS 1170AM	218.9	225.2		20.0	60.7	0	AgVenture AV7516Q	203.0			21.2	62.8	0
Pioneer P1847VYHR	218.4	211.8	214.5	22.6	61.6	0	Brevant Seeds B16J93AM	202.0			21.3	62.5	0
AgriGold A647-90VT2RIB	216.7			21.0	61.4	0	Mission Amp A1798VT2P	201.6			20.9	59.8	0
FS InVISION FS 6606T RIB	216.3			19.5	58.9	0	Dyna-Gro D57VC17	201.4			20.6	62.2	0
Local Seed LC1806 VT2P	215.6			18.7	62.6	0	Warren Seed DS 5676	200.4			21.1	61.5	0
Dyna-Gro D58VC65	214.9	226.6	224.7	20.3	61.7	0	Pioneer P1637YHR	199.4	207.1	210.4	20.2	62.4	0
NuTech Seed 78A1AM	214.2	222.5		21.1	63.7	0	Progeny Ag PGY8116SS	197.1	202.9	211.5	20.3	62.7	0
DEKALB DKC67-37RIB	212.4			20.9	61.8	0	FS InVISION FS 67SV1 RIB	197.1	210.2	209.7	21.6	62.0	0
LG Seeds LG68C22VT2PRO	212.4			20.7	63.0	0	DEKALB DKC69-99RIB	196.5			20.3	62.3	0
LG Seeds LG66C44VT2PRO	212.2			20.5	60.9	0	Stewart 17DP387	196.2	213.5	218.0	21.4	61.7	0
Wyffels W8936DGRIB	211.0			20.2	60.3	0	NuTech E74D3AM	195.0			19.0	62.8	0
AgriGold A647-42TRC	210.4			19.5	58.8	0	Seed Consultants SCS 1188AM	193.8	202.3		21.5	61.7	0
Local Seed LC1697	210.3	214.5		20.1	61.6	0	Stewart 17DP781	191.4			23.2	58.3	0
Local Seed LC1898TC	209.6			20.0	62.0	0	Progeny Ag PGY9117VT2P	190.8	211.8		21.3	61.9	0
DEKALB DKC70-27RIB	208.3	215.8	222.5	22.1	60.3	0	Average	207.3	216.6	218.0	20.5	61.8	0
Pioneer P1870YHR	207.8	219.0	216.9	21.8	61.5	0	C.V.	6.2	5.7	6.0	4.2	5.6	1122
LG Seeds LG66C32VT2PRO	206.7			20.1	61.6	0	LSD	24.8	16.4	14.1	1.7	6.6	0
Local Seed LC1987 VT2P	205.8	212.1		21.6	62.2	0							
Stewart 16DP117	204.7	223.3	225.5	20.8	61.6	0							
Pioneer P2089VYHR	204.3	211.3	212.7	21.2	60.2	0							
Mission Amp A1657VT2P	204.2			20.6	60.3	0							

Late varieties: 116 days or more to maturity
 Shaded cells are not significantly different from top yield (0.10)
 Planted: April 22, 2020; Harvested: September 30, 2020
 Soil type: Pembroke Silt Loam; Previous crop: Soybean

Table 12C. Logan County, conventional, 2020.

NAME	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2020	19-20	18-20			
Spectrum 6228	233.0			19.0	60.1	0
Spectrum 6416	219.0	212.0		20.2	57.5	0
Pioneer P1442	217.7	216.7		20.0	62.2	0
Pioneer P0977	217.5			19.0	61.8	2
Pioneer P1870	215.5	218.9		20.1	61.4	0
Biominal-OCN	211.9			17.3	60.9	0
Pioneer P1197	211.8	214.7	217.6	19.1	59.6	0
Biominal-VCN	203.4			17.6	60.7	0
Caverndale CF 855	203.2	205.8	207.9	20.8	62.8	0
Spectrum 6775	201.1			22.5	59.8	0
Caverndale CF 790	192.6			20.4	63.1	0
Spectrum 6334	184.4			21.5	59.3	0
Average	209.2	213.6	212.8	19.8	60.8	0
C.V.	5.4	5.9	6.0	2.7	0.8	404
LSD	23.3	17.1	14.3	1.1	1.0	1

Shaded cells are not significantly different from top yield (0.10)
 Planted: April 22, 2020; Harvested: September 30, 2020
 Soil type: Pembroke Silt Loam; Previous crop: Soybean

Table 13. Logan County, weather, 2020.

	Monthly Precipitation (in)	Temperature Average
March	8.9	52.5
April	4.4	54.2
May	3.4	63.3
June	5.2	73
July	3.1	78.7
August	8	75.2
September	3.8	68.5

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