

# 2022 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 2022 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 2023. 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

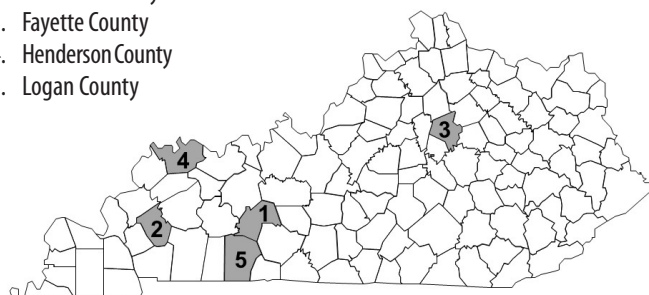
The map on Page 1 shows the test locations. The test sites were selected to represent different agro-climatic areas of Kentucky where corn is a major commodity. There were seven total tests from seven locations across the state. Included in these seven tests were two irrigated tests in Henderson and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

### Seasonal Notes

Planting was delayed in the spring due to rainy weather, which led to later harvests, as well. Fulton and Breckinridge Counties were lost due to environmental factors. Please make note of the large differences in planting dates. Logan County Conventional test was excluded due to very high variability that led to an extraordinarily high CV. Because of the dry weather surrounding much of the state this year, it is hard to compare

**Figure 1.** 2022 Kentucky Hybrid Corn Performance Test locations.

1. Butler County
2. Caldwell County
3. Fayette County
4. Henderson County
5. Logan County



hybrids. Please look to the multiple year data for better comparisons when choosing hybrids.

### Cultural Practices

Corn seed was planted no-till into soybean stubble at four locations, and into tilled fields at the other two. 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; 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 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 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, 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 six locations for a total of 24 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:

- Brandon Taul and family of Hardinsburg, KY
- Woody Moore and family of Morgantown, KY
- Jason Strode and family of Owensboro, KY
- Sam Halcomb and family of Adairville, KY

The authors give special thanks to Ted Walker, Jason Conn, 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. Kiersten Wise, Extension Plant Pathologist, Research and Education Center, Princeton, KY. Scotty Peek, Farm Manager, Research and Education Center, Princeton, KY.
  - Matt Peake, Farm Manager, North Farm, Lexington, KY.
  - Mark Thomas and Mindy Jones, Corteva, for supplying seed for borders Greg Drake, Extension Agent, Butler County, KY
  - Clint Hardy, Extension Agent, Daviess County, KY
  - Carol Hinton, Extension Agent, Breckinridge County, KY
- Source of Seeds

## Source of Seeds

The seeds planted in the 2022 Hybrid Corn Performance Test were acquired from the sources listed in Table 1.

**Table 1. Hybrids tested, 2022.**

Company	Hybrid	Trait*	Test	Color	CRM
AgriGold Hybrids	A640-12STX	STX	E	Yellow	109
Josh Johnston	A642-05VT2PROD1	VT2	M	Yellow	112
5381 Akin Rd	A642-76VT2PRO	VT2	M	Yellow	112
St. Francisville, IL 62460	A645-16VT2RIB	VT2	M	Yellow	115
josh.johnston@agrigold.com	A647-79VT2PRO	VT2	L	Yellow	117
800-262-7333					
Armor Seed/Croplan	ARMOR A1575	VT2P/ASR	M,S	Yellow	115
Winfield United	Croplan 4930	DGVT2P	E	Yellow	109
Jay Middleton	Croplan 5497	VT2P	M	Yellow	114
2532 Alexander Dr	Croplan 5678	VT2P	L	Yellow	116
Jonesboro, AR 72401	Croplan 5290	None CONV.	C	Yellow	112
jaymiddleton@armorseed.com	Croplan 5340	None CONV.	C	Yellow	113
270-832-2133	Croplan CP5900S	VT2P	S	Yellow	119
Beck's Hybrids	Beck's 6374V2P	V2PRIB	M	Yellow	113
Camille Lambert	Beck's 6414V2P	V2PRIB	M	Yellow	114
6767 E. 276th St	Beck's 6128V2P	V2PRIB	E	Yellow	111
Atlanta, IN 46031	Beck's 6296AM	AM	M	Yellow	112
camille.lambert@beckshybrids.com	Beck's 6803V2P	V2PRIB	L	Yellow	118
270-993-5392					
Brevant Seeds	Brevant Seeds B09Z08AM	AM	E	Yellow	109
Andy Robinson	Brevant Seeds B13A10AM	AM	M	Yellow	113
9330 Zionsville Rd	Brevant Seeds B10A20AM	AM	E	Yellow	110
Indianapolis, IN 46268	Brevant Seeds B13K20AM	AM	M	Yellow	113
andrew.robinson@brevant.com	Brevant Seeds B17Z18AM	AM	L	Yellow	117
317-431-9727					
Channel	Channel 210-46VT2PRIB	VT2PRIB	E	Yellow	110
Cody Hornaday	Channel 214-78DGV2PRIB	DBVT2PRIB	M	Yellow	114
1950 Lumpkin Rd	Channel 211-11VT2P	VT2PRIB	E	Yellow	111
Loogootee, IN 47533	Channel 217-01VT2PRIB	VT2PRIB	L	Yellow	117
cody.hornaday@bayer.com	Channel 213-99VT2P	VT2PRIB	S	Yellow	119
812-278-4136	Channel 220-98STX	STXRIB	S	Yellow	120

*Trait:	
<b>3110, 3111, 3122, 3220</b>	Syngenta 3000 GT (Triple)
<b>5222</b>	Syngenta 3000 GT (Triple) with Viptera
<b>AM</b>	AcreMax = YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance, 5% refuge in a bag
<b>ASR</b>	Anthraxnose stalk rot resistance
<b>BT</b>	corn borer resistance
<b>BTCB</b>	corn borer resistance
<b>BTRW</b>	corn rootworm resistance
<b>CB</b>	corn borer resistance
<b>Conv</b>	Conventional, No GMO Traits
<b>DG</b>	DroughtGard
<b>Duracade</b>	Above ground pest resistance plus rootworm resistance
<b>Enlist</b>	2,4-D resistance
<b>GENVT3P</b>	Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, corn rootworm resistance
<b>GT3000</b>	AgriSure glyphosate tolerance, AgriSure corn borer resistance and AgriSure corn rootworm resistance
<b>GT</b>	AgriSure glyphosate tolerance
<b>HX&amp;HX1</b>	Herculex corn rootworm resistance
<b>HXT</b>	Herculex glufosinate tolerance, corn borer resistance, corn rootworm resistance, cutworm tolerance
<b>Lep (Lepidoptera)</b>	Corn Borer and corn earworm resistance
<b>LL</b>	Liberty Link glufosinate tolerance
<b>Intrasect</b>	YGCB, HX1, LL, RR2
<b>Power Core, PCRA, PWRA, PC</b>	VT2PRO + HX1 + above ground traits
<b>RHS</b>	Glyphosate tolerance
<b>RHXT</b>	Liberty Link glufosinate tolerance, Roundup Ready glyphosate tolerance, Herculex corn borer resistance, Herculex corn rootworm resistance, Herculex cutworm tolerance
<b>RIB</b>	Refuge in a Bag
<b>RR</b>	Roundup Ready Corn glyphosate tolerance
<b>RR2</b>	Roundup Ready Corn 2 glyphosate tolerance
<b>Smart Stax (SS, STX, or SSX)</b>	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
<b>TRECEPTA/TC</b>	resistance to above ground insects
<b>TS</b>	Roundup Ready glyphosate tolerance, YieldGard corn borer resistance, YieldGard corn rootworm resistance
<b>YG</b>	YieldGard corn borer resistance
<b>YGBT</b>	YieldGard corn borer resistance
<b>YGCB</b>	YieldGard corn borer resistance
<b>YGRW</b>	YieldGard corn rootworm resistance
<b>YHR</b>	YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance
<b>VIP</b>	AgriSure Viptera
<b>VT3</b>	Roundup Ready glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard corn rootworm resistance
<b>VT3P</b>	Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
<b>VT3PRO</b>	Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
<b>VT3PRORIBC</b>	Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance, Refuge in a Bag
<b>VT2PRO, PRO2</b>	Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance
<b>VT2PRORIBC</b>	Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, Refuge in a Bag
<b>RA</b>	Refuge Advanced
<b>BL</b>	
<b>RW</b>	corn rootworm resistance

\*\*Test: E = Early, M = Medium, L = Late, W = White

™ = Trade Mark

\*\*\*CRM: Cumulative Relative Maturity

Company	Hybrid	Trait*	Test	Color	CRM	*Trait:
BAYER - DEKALB	DEKALB DKC59-82RIB	VT2PRIB	E	Yellow	109	<b>3110, 3111, 3122, 3220</b> Syngenta 3000 GT (Triple)
Todd Ladd	DEKALB DKC111-35RIB	VT2PRIB	E	Yellow	111	<b>5222</b> Syngenta 3000 GT (Triple) with Viptera
17 Buds Way	DEKALB DKC62-70RIB	VT2PRIB	M	Yellow	112	<b>AM</b> AcreMax = YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glyphosate tolerance, glyphosate tolerance, 5% refuge in a bag
Cadiz, KY 42211	DEKALB DKC63-57RIB	VT2PRIB	M	Yellow	113	<b>ASR</b> Anthracnose stalk rot resistance
todd.ladd@bayer.com	DEKALB DKC64-22RIB	VT2PRIB	M	Yellow	114	<b>BT</b> corn borer resistance
270-498-4297	DEKALB DKC64-44RIB	VT2PRIB	S	Yellow	114	<b>BTCB</b> corn borer resistance
	DEKALB DKC65-95RIB	VT2PRIB	M	Yellow	115	<b>BTRW</b> corn rootworm resistance
	DEKALB DKC66-06RIB	VT2PRIB	L	Yellow	116	<b>CB</b> corn borer resistance
	DEKALB DKC66-18RIB	VT2PRIB	L	Yellow	116	<b>Conv</b> Conventional, No GMO Traits
	DEKALB DKC67-44RIB	VT2PRIB	L	Yellow	117	<b>DG</b> DroughtGard
	DEKALB DKC67-66RIB	SS	S	Yellow	117	<b>Duracade</b> Above ground pest resistance plus rootworm resistance
	DEKALB DKC67-94RIB	TRERIB	L	Yellow	117	<b>Enlist</b> 2,4-D resistance
	DEKALB DKC68-35RIB	VT2PRIB	L	Yellow	118	<b>GENVT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, corn rootworm resistance
	DEKALB DKC70-45RIB	VT2PRIB	L	Yellow	120	<b>GT3000</b> AgriSure glyphosate tolerance, AgriSure corn borer resistance and AgriSure corn rootworm resistance
	DEKALB DKC70-94	SS	S	Yellow	120	<b>GT</b> AgriSure glyphosate tolerance
Dyna-Gro Seed	Dyna-Gro D50VC09RIB	VT2P	E	Yellow	110	<b>HX&amp;HX1</b> Herculex corn rootworm resistance
Matt Garber	Dyna-Gro D51VC67RIB	VT2P	E	Yellow	111	<b>HXT</b> Herculex glyphosate tolerance, corn borer resistance, corn rootworm resistance, cutworm tolerance
8570 Jordan Rd	Dyna-Gro D53TC23RIB	Trecepta	M	Yellow	113	<b>Lep (Lepidoptera)</b> Corn Borer and corn earworm resistance
Lewisburg, OH 45338	Dyna-Gro D54VC14	VT2P	M	Yellow	114	<b>LL</b> Liberty Link glyphosate tolerance
matthew.garber@nutrien.com	Dyna-Gro D55VC80	VT2P	M	Yellow	115	<b>Intrasect</b> YGCB, HX1, LL, RR2
937-459-2529	Dyna-Gro D54VC34RIB	VT2P	M	Yellow	114	<b>Power Core, PCRA, PWRA, PC</b> VT2PRO + HX1 + above ground traits
	Dyna-Gro D57TC29RIB	Trecepta	L	Yellow	117	<b>RHS</b> Glyphosate tolerance
Farmers Business Network	Master Farmer MBZ-159	GT, LL, BT	M	Yellow	115	<b>RHXT</b> Liberty Link glyphosate tolerance, Roundup Ready glyphosate tolerance, Herculex corn borer resistance, Herculex corn rootworm resistance, Herculex cutworm tolerance
Kevin Melrose	Master Farmer MBZ-C152-5122-EZ1	GT, LL, BT	M	Yellow	115	<b>RIB</b> Refuge in a Bag
3818 Juniper Pl, Unit B	Master Farmer MB-E172-3110	GT, LL, BT	L	Yellow	117	<b>RR</b> Roundup Ready Corn glyphosate tolerance
Columbia, MO 65201						<b>RR2</b> Roundup Ready Corn 2 glyphosate tolerance
kmelrose@farmersbusinessnetwork.com						<b>Smart Stax (SS, STX, or SSX)</b> Roundup Ready glyphosate tolerance, Liberty Link glyphosate tolerance, YieldGard corn borer resistance, Herculex corn rootworm resistance, Herculex corn borer resistance, YieldGard corn rootworm resistance, Herculex cutworm tolerance
573-530-0660						<b>TRECEPTA/TC</b> resistance to above ground insects
						<b>TS</b> Roundup Ready glyphosate tolerance, YieldGard corn borer resistance, YieldGard corn rootworm resistance
						<b>YG</b> YieldGard corn borer resistance
						<b>YGBT</b> YieldGard corn borer resistance
						<b>YGCB</b> YieldGard corn borer resistance
						<b>YGRW</b> YieldGard corn rootworm resistance
						<b>YHR</b> YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glyphosate tolerance, glyphosate tolerance
						<b>VIP</b> Agrisure Viptera
						<b>VT3</b> Roundup Ready glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard corn rootworm resistance
						<b>VT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRO</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance, Refuge in a Bag
						<b>VT2PRO, PRO2</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance
						<b>VT2PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, Refuge in a Bag
						<b>RA</b> Refuge Advanced
						<b>BL</b>
						<b>RW</b> corn rootworm resistance

\*\*Test: E = Early, M = Medium, L = Late, W = White

™ = Trade Mark

\*\*\*CRM: Cumulative Relative Maturity

Company	Hybrid	Trait*	Test	Color	CRM	*Trait:
Growmark	FS InVISION FS 6017V RIB	VT2P RIB	E	Yellow	110	<b>3110, 3111, 3122, 3220</b> Syngenta 3000 GT (Triple)
Eric West	FS InVISION FS 6217T RIB	TRE RIB	M	Yellow	112	<b>5222</b> Syngenta 3000 GT (Triple) with Viptera
FS InVISION	FS InVISION FS 6225L1 EZR	3120 EZR	M	Yellow	112	<b>AM</b> AcreMax = YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glyphosate tolerance, glyphosate tolerance, 5% refuge in a bag
1701 Towanda Ave	FS InVISION FS 6306T RIB	TRE RIB	M	Yellow	113	<b>ASR</b> Anthracnose stalk rot resistance
Bloomington, IL 61702-2500	FS InVISION FS 6595V RIB	VT2P RIB	M	Yellow	115	<b>BT</b> corn borer resistance
ewest@growmark.com	FS InVISION FS 6627T RIB	TRE RIB	L	Yellow	116	<b>BTCB</b> corn borer resistance
309-557-6234	FS InVISION FS 6625V RIB	VT2P RIB	L	Yellow	116	<b>BTRW</b> corn rootworm resistance
	FS InVISION FS 6818V RIB	VT2P RIB	L	Yellow	118	<b>CB</b> corn borer resistance
	FS InVISION FS 67500	None CONV.	C	Yellow	117	<b>Conv</b> Conventional, No GMO Traits
	FS InVISION FS 63Z00	None CONV.	C	Yellow	113	<b>DG</b> DroughtGard
Golden Harvest	Golden Harvest G10L16-5222A E-Z Refuge	Duracade/Viptera/Artesian	E	Yellow	110	<b>Duracade</b> Above ground pest resistance plus rootworm resistance
Nate Prater	Golden Harvest G12S75-5122 E-Z Refuge	Duracade	M	Yellow	112	<b>Enlist</b> 2,4-D resistance
1209 Joshu Court	Golden Harvest G15J91-3220 E-Z Refuge	Viptera	M	Yellow	115	<b>GENVT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, corn rootworm resistance
Greenville, IL 62246	Golden Harvest G16Q82-3120A E-Z Refuge	3120/Artesian	L	Yellow	116	<b>GT3000</b> AgriSure glyphosate tolerance, AgriSure corn borer resistance and AgriSure corn rootworm resistance
nate.prater@syngenta.com						<b>GT</b> AgriSure glyphosate tolerance
618-218-0075						<b>HX&amp;HX1</b> Herculex corn rootworm resistance
LG Seeds	LG62C22	VT2PRO	M	Yellow	112	<b>HXT</b> Herculex glyphosate tolerance, corn borer resistance, corn rootworm resistance, cutworm tolerance
Dan Mitchell	LG63C82	DGVT2	M	Yellow	113	<b>Lep (Lepidoptera)</b> Corn Borer and corn earworm resistance
22827 Shissler Road	LG66C44	VT2PRO	L	Yellow	116	<b>LL</b> Liberty Link glyphosate tolerance
Elmwood, IL 61529	LG66C06	VT2PRO	L	Yellow	116	<b>Intrasect</b> YGCB, HX1, LL, RR2
dan.mitchell@lgseeds.com	LG67C07	VT2PRO	L	Yellow	117	<b>Power Core, PCRA, PWRA, PC</b> VT2PRO + HX1 + above ground traits
812-457-3132						<b>RHS</b> Glyphosate tolerance
Revere Seed Company	Revere 0918 VT2P	VT2P	E	Yellow	109	<b>RHXT</b> Liberty Link glyphosate tolerance, Roundup Ready glyphosate tolerance, Herculex corn borer resistance, Herculex corn rootworm resistance, Herculex cutworm tolerance
Doug Messersmith	Revere 1125 SSX	SSX	E	Yellow	111	<b>RIB</b> Refuge in a Bag
802 Rozelle St	Revere 1398 VT2P	VT2P	M	Yellow	113	<b>RR</b> Roundup Ready Corn glyphosate tolerance
Memphis, TN 38104	Revere 1307 TC	Trecepta	M	Yellow	113	<b>RR2</b> Roundup Ready Corn 2 glyphosate tolerance
doug.messersmith@revereseed.com	Revere 1577 VT2P	VT2P	M	Yellow	115	<b>Smart Stax (SS, STX, or SSX)</b> 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
570-419-3692	Revere 1525 V	VT2P	M	Yellow	115	<b>TRECEPTA/TC</b> resistance to above ground insects
	Revere 1627 TC	Trecepta	L	Yellow	116	<b>TS</b> Roundup Ready glyphosate tolerance, YieldGard corn borer resistance, YieldGard corn rootworm resistance
NK Seeds	NK 1523	3220	S	Yellow	115	<b>YG</b> YieldGard corn borer resistance
Chuck Leonard	NK 1701	3220	S	Yellow	117	<b>YGBT</b> YieldGard corn borer resistance
5210 State Rd 945	NK 1755	5222	S	Yellow	117	<b>YGCB</b> YieldGard corn borer resistance
Hickory, KY 42051						<b>YGRW</b> YieldGard corn rootworm resistance
chuck.leonard@syngenta.com						<b>YHR</b> YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glyphosate tolerance, glyphosate tolerance
270-519-9600						<b>VIP</b> Agrisure Viptera
						<b>VT3</b> Roundup Ready glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard corn rootworm resistance
						<b>VT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRO</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance, Refuge in a Bag
						<b>VT2PRO, PRO2</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance
						<b>VT2PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, Refuge in a Bag
						<b>RA</b> Refuge Advanced
						<b>BL</b>
						<b>RW</b> corn rootworm resistance

\*\*Test: E = Early, M = Medium, L = Late, W = White

™ = Trade Mark

\*\*\*CRM: Cumulative Relative Maturity

Company	Hybrid	Trait*	Test	Color	CRM	*Trait:
NuTech Seed	NuTech Seed 68A7AM	Acre Max	E	Yellow	108	<b>3110, 3111, 3122, 3220</b> Syngenta 3000 GT (Triple)
Keith Niemeier	NuTech Seed 68A9AM	Acre Max	E	Yellow	108	<b>5222</b> Syngenta 3000 GT (Triple) with Viptera
201 Knollwood Dr	NuTech Seed 70B4AM	Acre Max	E	Yellow	110	<b>AM</b> AcreMax = YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance, 5% refuge in a bag
Champaign, IL 61820	NuTech Seed 70A8AM	Acre Max	E	Yellow	110	<b>ASR</b> Anthracnose stalk rot resistance
keith.niemeier@nutechseed.com	NuTech Seed 72D4AM	AM	M	Yellow	112	<b>BT</b> corn borer resistance
618-541-0605	NuTech Seed 74B6AM	Acre Max	M	Yellow	114	<b>BTCB</b> corn borer resistance
	NuTech Seed 74C4AM	AM	M	Yellow	114	<b>BTRW</b> corn rootworm resistance
	NuTech Seed 74A9AM	AM	M	Yellow	114	<b>CB</b> corn borer resistance
	NuTech Seed 77A5AM	Acre Max	L,S	Yellow	117	<b>Conv</b> Conventional, No GMO Traits
Partners Brand Seed	Partners Brand PB 8335	VT2PRIBC	M	Yellow	113	<b>DG</b> DroughtGard
Brad Smith	Partners Brand PB 8336	RR2	M	Yellow	113	<b>Duracade</b> Above ground pest resistance plus rootworm resistance
4610 E. State Road 120	Partners Brand PB 8335	None CONV.	C	Yellow	113	<b>Enlist</b> 2,4-D resistance
Howe, IN 46746	Partners Brand PB 8336	None CONV.	C	Yellow	113	<b>GENVT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, corn rootworm resistance
bradsmith@partnersbrandseed.com	Partners Brand PBX28702	VT2PRIBC	L	Yellow	117	<b>GT3000</b> AgriSure glyphosate tolerance, AgriSure corn borer resistance and AgriSure corn rootworm resistance
260-350-5503	Partners Brand PB 11702	Agrisure 3111	S	Yellow	117	<b>GT</b> AgriSure glyphosate tolerance
Pioneer	Pioneer P0953AM	AM	E	Yellow	110	<b>HX&amp;HX1</b> Herculex corn rootworm resistance
Mindy Jones	Pioneer P1289AM	AM	M	Yellow	114	<b>HXT</b> Herculex glufosinate tolerance, corn borer resistance, corn rootworm resistance, cutworm tolerance
5422 Hwy 41A	Pioneer P1718AML	AML	L,S	Yellow	117	<b>Lep (Lepidoptera)</b> Corn Borer and corn earworm resistance
Henderson, KY 42420	Pioneer P1847AML	AML	L	Yellow	118	<b>LL</b> Liberty Link glufosinate tolerance
mindy.jones@pioneer.com						<b>Intrasect</b> YGCB, HX1, LL, RR2
270-577-4510						<b>Power Core, PCRA, PWRA, PC</b> VT2PRO + HX1 + above ground traits
Seed Consultants Inc.	Seed Consultants SC 1112AM	AcreMax	E	Yellow	111	<b>RHS</b> Glyphosate tolerance
Bill McDonald	Seed Consultants SC 1122Q	AcreMax	M	Yellow	112	<b>RHXT</b> Liberty Link glufosinate tolerance, Roundup Ready glyphosate tolerance, Herculex corn borer resistance, Herculex corn rootworm resistance, Herculex cutworm tolerance
648 Miami Trace Rd. SW	Seed Consultants SC 1170AM	AcreMax	L, S	Yellow	117	<b>RIB</b> Refuge in a Bag
Washington Court House, OH 43160	Seed Consultants SC 1183AM	AcreMax	L, S	Yellow	118	<b>RR</b> Roundup Ready Corn glyphosate tolerance
bill.mcdonald@seedconsultants.com	Seed Consultants SC1141AM	AcreMax	S	Yellow	114	<b>RR2</b> Roundup Ready Corn 2 glyphosate tolerance
800-708-2676						<b>Smart Stax (SS, STX, or SSX)</b> 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
Spectrum Ag Holdings	Spectrum 6228	None/Conv	C	Yellow	112	<b>TRECEPTA/TC</b> resistance to above ground insects
Jeff Linn	Spectrum 6314	None/Conv	C	Yellow	113	<b>TS</b> Roundup Ready glyphosate tolerance, YieldGard corn borer resistance, YieldGard corn rootworm resistance
133 N 4th St	Spectrum 6416	None/Conv	C	Yellow	114	<b>YG</b> YieldGard corn borer resistance
Lafayette, IN 47901						<b>YGBT</b> YieldGard corn borer resistance
jeff.linn@spectrumseed.com						<b>YGCB</b> YieldGard corn borer resistance
765-586-9360						<b>YGRW</b> YieldGard corn rootworm resistance
						<b>YHR</b> YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance
						<b>VIP</b> Agrisure Viptera
						<b>VT3</b> Roundup Ready glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard corn rootworm resistance
						<b>VT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRO</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance, Refuge in a Bag
						<b>VT2PRO, PRO2</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance
						<b>VT2PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, Refuge in a Bag
						<b>RA</b> Refuge Advanced
						<b>BL</b>
						<b>RW</b> corn rootworm resistance

\*\*Test: E = Early, M = Medium, L = Late, W = White

™ = Trade Mark

\*\*\*CRM: Cumulative Relative Maturity

Company	Hybrid	Trait*	Test	Color	CRM	*Trait:
Stewart Seeds	Stewart 09DD140	DGVT2PRO	E	Yellow	109	<b>3110, 3111, 3122, 3220</b> Syngenta 3000 GT (Triple)
Justin Petrosino	Stewart 11DT792	Trecepta	E	Yellow	111	<b>5222</b> Syngenta 3000 GT (Triple) with Viptera
127 N Grove Street	Stewart 13DD360	DGVT2PRO	M	Yellow	113	<b>AM</b> AcreMax = YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance, 5% refuge in a bag
Bowling Green, OH 43402	Stewart 13SS312	SS	M	Yellow	113	<b>ASR</b> Anthracnose stalk rot resistance
justin.petrosino@stewartseeds.com	Stewart 14DT593	Trecepta	M	Yellow	114	<b>BT</b> corn borer resistance
419-681-3427	Stewart 15DP519	VT2PRO	M	Yellow	115	<b>BTCB</b> corn borer resistance
	Stewart 17DP781	VT2PRO	L	Yellow	117	<b>BTRW</b> corn rootworm resistance
	Stewart 18DP682	VT2PRO	L	Yellow	118	<b>CB</b> corn borer resistance
Warren Seed & Agronomy Service	Warren Seed DS 4878	YHR	E	Yellow	108	<b>Conv</b> Conventional, No GMO Traits
Lanny Warren	Warren Seed DS 5095	AM	E	Yellow	110	<b>DG</b> DroughtGard
208 South Thompson St	Warren Seed DS 5018	YHR	E	Yellow	110	<b>Duracade</b> Above ground pest resistance plus rootworm resistance
Union City, TN 38261	Warren Seed DS 5250	YHR	M	Yellow	112	<b>Enlist</b> 2,4-D resistance
lanny.warren@charter.net	Warren Seed DS 5383	AM	M	Yellow	113	<b>GENVT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, corn rootworm resistance
731-885-6595						<b>GT3000</b> AgriSure glyphosate tolerance, AgriSure corn borer resistance and AgriSure corn rootworm resistance
						<b>GT</b> AgriSure glyphosate tolerance
						<b>HX&amp;HX1</b> Herculex corn rootworm resistance
						<b>HXT</b> Herculex glufosinate tolerance, corn borer resistance, corn rootworm resistance, cutworm tolerance
						<b>Lep (Lepidoptera)</b> Corn Borer and corn earworm resistance
						<b>LL</b> Liberty Link glufosinate tolerance
						<b>Intrasect</b> YGCB, HX1, LL, RR2
						<b>Power Core, PCRA, PWRA, PC</b> VT2PRO + HX1 + above ground traits
						<b>RHS</b> Glyphosate tolerance
						<b>RHXT</b> Liberty Link glufosinate tolerance, Roundup Ready glyphosate tolerance, Herculex corn borer resistance, Herculex corn rootworm resistance, Herculex cutworm tolerance
						<b>RIB</b> Refuge in a Bag
						<b>RR</b> Roundup Ready Corn glyphosate tolerance
						<b>RR2</b> Roundup Ready Corn 2 glyphosate tolerance
						<b>Smart Stax (SS, STX, or SSX)</b> 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
						<b>TRECEPTA/TC</b> resistance to above ground insects
						<b>TS</b> Roundup Ready glyphosate tolerance, YieldGard corn borer resistance, YieldGard corn rootworm resistance
						<b>YG</b> YieldGard corn borer resistance
						<b>YGBT</b> YieldGard corn borer resistance
						<b>YGCB</b> YieldGard corn borer resistance
						<b>YGRW</b> YieldGard corn rootworm resistance
						<b>YHR</b> YieldGard corn borer resistance, Herculex corn rootworm resistance, Liberty Link glufosinate tolerance, glyphosate tolerance
						<b>VIP</b> Agrisure Viptera
						<b>VT3</b> Roundup Ready glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard corn rootworm resistance
						<b>VT3P</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRO</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance
						<b>VT3PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance and YieldGard VT corn rootworm resistance, Refuge in a Bag
						<b>VT2PRO, PRO2</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance
						<b>VT2PRORIBC</b> Roundup Ready 2 glyphosate tolerance, YieldGard VT corn borer resistance, Refuge in a Bag
						<b>RA</b> Refuge Advanced
						<b>BL</b>
						<b>RW</b> corn rootworm resistance

\*\*Test: E = Early, M = Medium, L = Late, W = White

™ = Trade Mark

\*\*\*CRM: Cumulative Relative Maturity

**Table 2E. State summary, early, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
DEKALB DKC111-35RIB	190.0			18.6	Croplan 4930	172.9	208.2		18.0
Stewart 11DT792	187.7	210.0		17.4	Revere 1125 VT2P	172.8			19.0
Warren Seed DS 4878	187.4	217.0		16.9	Golden Harvest G10L16-5222A E-Z Refuge	172.2			17.1
FSInVISION 6017V RIB	187.0			17.2	Stewart 09DP409	171.3	202.1	215.0	16.6
AgriGold A640-12STX	186.3			18.8	NuTech 68A7AM	170.7	209.3	222.0	17.0
Channel 210-46VT2PRIB	182.1	208.5		18.3	Seed Consultants SC1112AM	168.9	206.1		17.5
DEKALB DKC59-82RIB	181.5	208.5	221.0	17.7	NuTech 70A8AM	166.1	200.1	218.3	17.6
Beck's 6128V2P	180.7			18.9	NuTech 68A9AM	166.0			17.9
Warren Seed DS 5095	180.5			17.9	Pioneer P0953AM	162.5			17.7
NuTech 70B4AM	179.3			18.0	Brevant Seeds B09Z08AM	158.6	196.7		17.6
Revere 0918 VT2P	178.6			17.7	<b>Average</b>	<b>177.0</b>	<b>207.1</b>	<b>220.7</b>	<b>17.7</b>
Dyna-Gro D50VC09RIB	177.5			17.5	C.V.	7.9	8.0	7.7	3.2
Brevant Seeds B10A20AM	177.4			17.9	LSD	12.0	21.0	14.9	0.5
Warren Seed DS 5018	177.2	215.8	227.4	16.3	Shaded cells are not significantly different from top yield (0.10)				
Dyna-Gro D51VC67	174.6	203.4		17.2					
Channel 211-11VT2P	174.3			18.1					

**Table 2M. State summary, medium, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
Beck's 6414V2P	202.7	222.5	228.8	17.7	Beck's 6296LM	182.6			17.5
Dyna-Gro D55VC80	197.3	218.0	227.8	18.8	Seed Consultants SC1122Q	182.3	209.5		18.2
FS InVISION FS 6306T RIB	196.2	211.7	224.2	17.4	FS InVISION 6217T RIB	182.2			17.7
Croplan 5497	195.4	215.9		18.7	Revere ZS1525 3220A	180.3			19.4
Stewart 14DT593	195.2			19.0	Golden Harvest G12S75-5122 E-Z Refuge	179.9			17.4
FS InVISION FS 6595V RIB	194.9	213.3	222.5	19.0	Golden Harvest G15J91-3220 E-Z Refuge	178.9			18.3
Dyna-Gro D54VC34	194.7		217.8	18.4	LG Seeds LG63C82	178.1			18.1
DEKALB DKC64-22RIB	194.3			19.2	AgriGold A642-76VT2PRO	177.2			18.4
ARMOR A1575	194.1	213.9	224.8	18.9	NuTech 74A9AM	176.7	207.0		18.9
Revere 1577 VT2PRIB	193.1	215.1	221.3	18.1	Revere 1307TC	175.5	204.2	215.4	20.4
DEKALB DKC62-70RIB	192.7	213.4		18.4	FS InVISION 6225L1 EZR	173.9			16.9
Stewart 15DP519	192.3	215.1	225.1	19.3	NuTech 72D4AM	171.7	213.6		17.4
DEKALB DKC65-95RIB	191.9	214.1	222.9	19.0	Warren Seed DS 5383	171.7			18.2
DEKALB DKC63-57RIB	191.5	213.4	221.3	17.7	Master Farmer MBZ-C152-5122-EZ1	171.6			18.4
Brevant Seeds B13A10AM	191.3	217.6		17.3	LG Seeds LG62C22	171.5			18.7
Dyna-Gro D54VC14	191.2	217.8		18.0	Brevant Seeds B13K20AM	169.8			17.2
Pioneer P1289AM	190.7			17.8	Master Farmer MBZ-159	169.5			17.5
AgriGold A645-16VT2PRO	188.9	214.6	225.5	19.0	Partners Brand PB 8336	167.5	198.9		18.3
Channel 214-78DGVT2PRIB	188.3	216.6	230.9	18.9	NuTech 74C4AM	167.1			18.2
Beck's 6374V2P	187.2	212.6	216.6	17.8	NuTech 74B6AM	166.0	195.3	207.7	18.3
Stewart 13SS312	186.8			18.4	<b>Average</b>	<b>183.7</b>	<b>212.4</b>	<b>222.3</b>	<b>18.2</b>
Warren Seed DS 5250	186.2	218.6		17.4	C.V.	9.0	8.1	7.9	4.1
Dyna-Gro D53TC23RIB	186.0			17.7	LSD	14.1	21.9	15.7	0.6
Partners Brand PB 8335	185.2	206.7		17.6	Shaded cells are not significantly different from top yield (0.10)				
AgriGold A642-05VT2PROD1	184.0			18.2					
Revere 1398VT2P	183.8	205.9	218.3	18.2					
Stewart 13DD360	182.9	213.7	221.3	17.7					



**Table 2L. State summary, late, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
AgriGold A647-79VT2PRO	194.2			19.7	DEKALB DKC66-06RIB	179.2			19.8
Dyna-Gro D57TC29RIB	192.5			21.2	Seed Consultants SC1183AM	179.1			19.5
DEKALB DKC68-35RIB	191.3			20.2	Croplan 5678	178.8	205.3		20.2
Stewart 18DP682	187.0	213.9		20.3	DEKALB DKC70-45RIB	176.9			21.4
NuTech 77A5AM	185.7	212.6		19.0	Golden Harvest G16Q82-3120A E-Z	173.9			19.6
LG Seeds LG67C07	184.3			19.8	Refuge				
Stewart 17DP781	183.9	202.6	213.8	21.7	LG Seeds LG66C06	173.9			20.1
DEKALB DKC67-94RIB	183.6	210.2		20.1	Beck's 6803V2P	172.7			21.9
Revere 1627 TC	183.6			20.3	FS InVISION 6818V RIB	169.6	199.5		21.4
FS InVISION 6625V RIB	183.2			19.4	Seed Consultants SC1170AM	168.5	203.6	217.3	19.0
Pioneer P1718AML	182.4			20.4	Brevant Seeds B17Z18AM	161.8	197.6		19.1
Partners Brand PBX28702	181.8			21.4	Master Farmer MB-E172-3110	157.8			20.6
DEKALB DKC67-44 RIB	181.6	208.4	220.6	19.9	Pioneer P1847AML	155.7	194.0	207.8	20.8
FS InVISION 6627T RIB	181.3			19.4	<b>Average</b>	<b>178.6</b>	<b>206.4</b>	<b>216.7</b>	<b>20.1</b>
LG Seeds LG66C44VT2PRO	180.9	210.7	219.0	19.9	C.V.	10.0	8.9	8.6	4.1
Channel 217-01VT2PRIB	180.9	214.3		18.8	LSD	15.3	23.4	16.5	0.7
DEKALB DKC66-18RIB	180.2	211.3	221.9	19.1					

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

**Table 2C. State summary, conventional, 2022.**

Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22	
Spectrum 6228	178.7		200.7	17.9
Partners Brand PB 8335C	176.4	200.9		17.7
Croplan 5340	175.4	200.3		20.2
Spectrum 6416	174.2		196.5	20.3
FS InVISION 63Z00	173.3	197.8		19.2
Croplan 5290	173.0	197.5		18.7
Partners Brand PB 8336C	168.2	195.9		19.4
FS InVISION 67S00	162.7			20.9
Spectrum 6314	143.3			17.8
<b>Average</b>	<b>170.7</b>	<b>198.5</b>	<b>198.6</b>	<b>18.9</b>
C.V.	9.9	7.7	8.4	3.2
LSD	16.3	19.6	17.8	0.6

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

**Table 3E. Butler County, early, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
Warren Seed DS 4878	209.5	241.7		19.7	NuTech 68A7AM	182.3	228.2	230.4	19.4
Channel 210-46VT2PRIB	205.0	224.8		20.0	Channel 211-11VT2P	182.2			20.3
FSInVISION 6017V RIB	204.4			19.3	Golden Harvest G10L16-5222A E-Z	180.7			19.4
NuTech 70B4AM	203.6			20.4	Refuge				
Croplan 4930	202.7	234.4		19.0	Pioneer P0953AM	179.4			16.5
AgriGold A640-12STX	200.4			20.3	NuTech 70A8AM	174.1	214.4	227.4	20.3
Warren Seed DS 5095	199.6			20.4	Stewart 09DP409	172.9	211.5	224.0	18.7
Stewart 11DT792	199.2	221.7		19.8	Brevant Seeds B10A20AM	168.9			20.2
Revere 0918 VT2P	196.6			19.9	Brevant Seeds B09Z08AM	166.8	207.7		20.6
Warren Seed DS 5018	196.3	238.2	230.9	19.1	Dyna-Gro D51VC67	159.3	200.9		19.3
DEKALB DKC59-82RIB	194.5	226.2	235.0	20.0	<b>Average</b>	<b>189.3</b>	<b>221.5</b>	<b>229.6</b>	<b>20.0</b>
Revere 1125 VT2P	194.2			21.2	C.V.	7.2	5.8	5.9	2.8
NuTech 68A9AM	194.1			20.3	LSD	27.0	16.6	12.1	1.1
Seed Consultants SC1112AM	191.4	224.2		20.0					
Beck's 6128V2P	191.3			21.1					
Dyna-Gro D50VC09RIB	188.4			19.6					
DEKALB DKC111-35RIB	188.1			21.0					

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 27, 2022; Harvested: October 4, 2022  
 Soil type: Nolin Silt Loam; Previous crop: Soybean; Fertilizer: 249/92/90

**Table 3M. Butler County, medium, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
FS InVISION FS 6306T RIB	222.0	241.1	246.9	16.8	Master Farmer MBZ-159	200.8			17.4
Beck's 6296LM	218.3			16.9	DEKALB DKC63-57RIB	197.3	223.9	224.8	16.7
Croplan 5497	218.1	236.1		17.9	Dyna-Gro D54VC14	196.6	221.3		16.7
Dyna-Gro D55VC80	217.0	237.3	237.4	17.4	NuTech 74C4AM	195.9			17.4
Stewart 13DD360	214.9	235.7	233.7	16.4	Brevant Seeds B13K20AM	193.1			15.9
Revere 1307TC	214.8	225.6	236.5	19.2	Seed Consultants SC1122Q	192.9	223.0		17.6
Brevant Seeds B13A10AM	214.7	226.8		16.4	Dyna-Gro D53TC23RIB	192.7			16.5
Stewart 14DT593	214.6			17.7	NuTech 72D4AM	192.2	227.1		17.0
Warren Seed DS 5250	213.0	241.8		16.6	Master Farmer MBZ-C152-5122-EZ1	192.1			18.3
Warren Seed DS 5383	212.5			17.5	AgriGold A645-16VT2PRO	192.1	219.8	222.6	17.4
FS InVISION FS 6595V RIB	210.9	218.4	224.2	17.9	LG Seeds LG62C22	189.8			17.5
Revere 1577 VT2PRIB	210.8	223.9	215.3	17.0	ARMOR A1575	187.5	223.0	228.5	17.8
Stewart 13SS312	210.2			17.0	Beck's 6374V2P	187.3	221.6	223.9	17.1
Channel 214-78DGVT2PRIB	209.7	234.3	241.0	17.5	Revere ZS1525 3220A	186.4			18.5
DEKALB DKC62-70RIB	209.4	232.3		17.6	Golden Harvest G15J91-3220 E-Z	183.4			17.3
Pioneer P1289AM	208.5			17.3	Refuge				
Revere 1398VT2P	206.4	224.6	224.2	17.1	AgriGold A642-05VT2PROD1	182.0			17.0
DEKALB DKC64-22RIB	206.3			18.2	Partners Brand PB 8336	181.8	211.7		17.2
Beck's 6414V2P	205.9	230.9	237.7	17.5	FS InVISION 6217T RIB	179.0			17.2
Stewart 15DP519	205.7	234.4	239.5	18.2	AgriGold A642-76VT2PRO	173.3			17.3
NuTech 74A9AM	205.7	230.0		17.5	FS InVISION 6225L1 EZR	167.1			16.2
DEKALB DKC65-95RIB	205.4	226.5	230.3	17.7	<b>Average</b>	<b>200.3</b>	<b>227.5</b>	<b>229.2</b>	<b>17.3</b>
Golden Harvest G12S75-5122 E-Z	204.8			16.1	C.V.	8.4	7.5	7.8	3.1
Refuge					LSD	32.7	22.0	16.5	1.1
LG Seeds LG63C82	203.8			17.2					
NuTech 74B6AM	203.0	220.5	221.8	18.1					
Partners Brand PB 8335	202.4	219.1		16.6					
Dyna-Gro D54VC34	201.6		215.3	17.4					

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 27, 2022; Harvested: October 4, 2022  
 Soil type: Nolin Silt Loam; Previous crop: Soybean; Fertilizer: 249/92/90

**Table 3L. Butler County, late, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
Dyna-Gro D57TC29RIB	208.0			21.2	Seed Consultants SC1170AM	184.6	219.6	227.0	20.5
Beck's 6803V2P	207.3			21.9	FS InVISION 6818V RIB	184.4	220.0		21.5
Seed Consultants SC1183AM	206.0			20.3	Brevant Seeds B17Z18AM	182.1	216.8		20.0
Stewart 18DP682	204.9	234.8		19.9	LG Seeds LG67C07	178.5			19.6
Channel 217-01VT2PRIB	203.3	233.7		19.6	Golden Harvest G16Q82-3120A E-Z Refuge	178.0			19.7
Revere 1627 TC	203.0			20.2	FS InVISION 6627T RIB	177.1			19.6
NuTech 77A5AM	201.4	225.8		20.2	Pioneer P1718AML	176.3			20.5
LG Seeds LG66C06	197.5			20.9	Pioneer P1847AML	170.0	206.9	204.9	22.5
DEKALB DKC70-45RIB	196.4			21.0	Partners Brand PBX28702	164.7			21.7
Stewart 17DP781	195.1	218.8	224.2	21.7	LG Seeds LG66C44VT2PRO	162.2	210.2	214.7	19.2
DEKALB DKC68-35RIB	194.2			20.0	Master Farmer MB-E172-3110	158.5			21.0
FS InVISION 6625V RIB	192.9			20.2	<b>Average</b>	<b>188.7</b>	<b>222.0</b>	<b>222.4</b>	<b>20.4</b>
DEKALB DKC67-44 RIB	192.0	227.3	231.9	20.3	C.V.	10.1	8.2	7.1	2.9
DEKALB DKC67-94RIB	190.5	220.9		20.4	LSD	37.3	23.2	14.5	1.2
DEKALB DKC66-18RIB	190.4	224.6	232.0	19.4					
AgriGold A647-79VT2PRO	189.2			20.2					
Croplan 5678	185.5	226.7		20.6					
DEKALB DKC66-06RIB	184.8			20.3					

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 27, 2022; Harvested: October 4, 2022  
 Soil type: Nolin Silt Loam; Previous crop: Soybean; Fertilizer: 249/92/90

**Table 3C. Butler County, conventional, 2022.**

Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22	
Croplan 5340	181.5	219.4		21.2
Spectrum 6416	177.0		185.4	20.8
Partners Brand PB 8336C	176.7	213.5		21.3
Croplan 5290	164.9	199.8		20.6
Partners Brand PB 8335C	160.3	199.0		19.1
FS InVISION 63Z00	160.2	200.9		20.3
Spectrum 6228	147.4		177.1	19.4
FS InVISION 67S00	146.4			22.2
Spectrum 6314	137.2			19.4
<b>Average</b>	<b>160.8</b>	<b>204.3</b>	<b>181.2</b>	<b>20.3</b>
C.V.	15.9	10.7	10.9	2.5
LSD	52.9	28.1	23.2	1.0

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 27, 2022; Harvested: October 4, 2022  
 Soil type: Nolin Silt Loam; Previous crop: Soybean; Fertilizer: 249/92/90

**Table 4. Butler County, weather, 2022.**

	Monthly Precipitation (in)	Temperature Average
March	4.3	49
April	4.5	54.9
May	3.4	68.2
June	1.5	74.4
July	7.3	79.1
August	4	75.6
September	1	68.9

**Table 5E. Caldwell County, early, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
DEKALB DKC111-35RIB	209.0			14.7	Warren Seed DS 5018	179.7	220.9	227.6	14.6
Dyna-Gro D50VC09RIB	202.2			14.7	Seed Consultants SC1112AM	179.7	220.3		14.7
Warren Seed DS 4878	195.3	233.5		14.7	Channel 211-11VT2P	179.2			14.7
Channel 210-46VT2PRIB	191.2	233.5		14.7	Brevant Seeds B10A20AM	176.5			14.7
DEKALB DKC59-82RIB	191.2	221.1	220.8	14.7	Beck's 6128V2P	176.5			14.7
Revere 1125 VT2P	190.2			14.8	AgriGold A640-12STX	174.0			14.7
NuTech 68A7AM	190.1	233.6	234.9	14.7	NuTech 68A9AM	169.1			14.7
Golden Harvest G10L16-5222A E-Z Refuge	190.1			14.7	Croplan 4930	166.8	218.1		17.8
Warren Seed DS 5095	190.0			14.7	Brevant Seeds B09Z08AM	165.4	222.3		14.7
FS InVISION 6017V RIB	189.1			14.7	Pioneer P0953AM	150.8			15.8
NuTech 70B4AM	187.8			14.7	<b>Average</b>	<b>185.4</b>	<b>226.4</b>	<b>227.2</b>	<b>14.7</b>
Revere 0918 VT2P	187.7			14.7	C.V.	6.0	7.3	6.9	0.1
Stewart 11DT792	185.6	232.6		14.7	LSD	22.0	21.0	14.2	0.0
Stewart 09DP409	184.9	217.7	216.2	14.6	Shaded cells are not significantly different from top yield (0.10)				
NuTech 70A8AM	182.7	227.2	236.8	14.7	Planted: May 10, 2022; Harvested: September 30, 2022				
Dyna-Gro D51VC67	182.4	221.9		14.7	Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 182/70/70				

**Table 5M. Caldwell County, medium, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
Dyna-Gro D54VC14	204.1	242.2		15.8	Pioneer P1289AM	172.6			15.8
Stewart 14DT593	194.5			15.8	LG Seeds LG63C82	171.3			15.8
DEKALB DKC63-57RIB	189.0	222.3	217.7	15.8	Partners Brand PB 8335	171.1	208.9		15.8
Dyna-Gro D54VC34	186.7		205.2	15.8	Master Farmer MBZ-159	170.0			15.8
DEKALB DKC62-70RIB	186.0	211.9		15.8	AgriGold A645-16VT2PRO	169.0	215.5	220.2	15.8
Revere ZS1525 3220A	185.2			15.8	Revere 1307TC	168.4	209.7	217.8	15.9
Stewart 15DP519	185.0	213.4	222.9	15.9	Golden Harvest G12S75-5122 E-Z Refuge	167.3			15.7
LG Seeds LG62C22	184.5			15.8	Seed Consultants SC1122Q	167.2	214.7		15.8
Revere 1577 VT2PRIB	183.3	218.8	226.6	15.8	Brevant Seeds B13A10AM	166.7	222.8		15.8
Stewart 13DD360	181.5	221.0	214.7	15.8	Brevant Seeds B13K20AM	166.7			15.7
AgriGold A642-76VT2PRO	180.7			15.8	Revere 1398VT2P	166.7	207.9	221.9	15.8
FS InVISION FS 6595V RIB	180.4	217.8	222.0	15.9	NuTech 74A9AM	166.4	212.6		15.7
Golden Harvest G15J91-3220 E-Z Refuge	180.4			15.8	Partners Brand PB 8336	166.0	198.1		15.8
Beck's 6414V2P	180.3	222.9	228.5	15.8	NuTech 72D4AM	165.9	214.0		15.7
DEKALB DKC64-22RIB	179.6			15.8	AgriGold A642-05VT2PROD1	163.8			15.8
Warren Seed DS 5250	178.5	222.0		15.7	NuTech 74C4AM	161.8			15.8
Beck's 6374V2P	178.5	216.5	212.6	15.8	Beck's 6296LM	155.6			15.7
Croplan 5497	177.6	211.8		15.8	Warren Seed DS 5383	154.2			15.8
FS InVISION FS 6306T RIB	177.0	209.8	220.4	15.8	Stewart 13SS312	152.2			15.8
FS InVISION 6217T RIB	176.3			15.8	NuTech 74B6AM	148.0	201.1	208.9	15.8
DEKALB DKC65-95RIB	175.5	215.0	223.0	15.9	<b>Average</b>	<b>173.6</b>	<b>215.2</b>	<b>220.5</b>	<b>15.8</b>
Dyna-Gro D55VC80	174.8	216.5	228.8	15.9	C.V.	6.4	5.8	7.0	0.2
Master Farmer MBZ-C152-5122-EZ1	174.5			15.9	LSD	21.6	15.9	13.9	0.0
Channel 214-78DGV2PRIB	174.3	219.4	235.4	15.8	Shaded cells are not significantly different from top yield (0.10)				
Dyna-Gro D53TC23RIB	173.9			15.8	Planted: May 10, 2022; Harvested: September 30, 2022				
FS InVISION 6225L1 EZR	173.8			15.7	Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 182/70/70				
ARMOR A1575	173.3	209.2	218.8	15.8					

**Table 5L. Caldwell County, late, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
LG Seeds LG67C07	183.6			18.0	DEKALB DKC70-45RIB	162.2			18.1
FS InVISION 6627T RIB	183.1			17.9	Pioneer P1847AML	158.5	205.9	217.0	18.0
DEKALB DKC68-35RIB	179.3			18.0	Seed Consultants SC1170AM	158.4	204.4	213.7	17.9
FS InVISION 6625V RIB	178.5			17.9	NuTech 77A5AM	158.3	212.6		17.8
DEKALB DKC66-18RIB	177.7	210.6	213.6	17.9	Stewart 17DP781	158.1	209.0	210.3	18.0
AgriGold A647-79VT2PRO	176.4			18.0	Partners Brand PBX28702	158.0			18.1
Dyna-Gro D57TC29RIB	176.1			17.9	Brevant Seeds B17Z18AM	157.7	211.1		17.8
Golden Harvest G16Q82-3120A E-Z Refuge	175.4			17.9	Master Farmer MB-E172-3110	156.2			18.0
LG Seeds LG66C44VT2PRO	174.4	219.8	217.6	18.0	Beck's 6803V2P	156.0			18.1
Revere 1627 TC	174.3			18.0	LG Seeds LG66C06	154.7			18.0
Pioneer P1718AML	170.9			17.9	DEKALB DKC66-06RIB	148.8			18.0
DEKALB DKC67-94RIB	170.3	212.8		18.0	Seed Consultants SC1183AM	148.3			17.9
DEKALB DKC67-44 RIB	167.5	207.7	216.9	18.0	<b>Average</b>	<b>166.1</b>	<b>209.6</b>	<b>214.8</b>	<b>18.0</b>
Stewart 18DP682	165.7	203.5		17.9	C.V.	11.9	8.9	9.0	0.2
Channel 217-01VT2PRIB	164.5	215.2		17.9	LSD	38.6	23.4	17.0	0.1
Croplan 5678	162.4	209.2		18.0	Shaded cells are not significantly different from top yield (0.10)				
FS InVISION 6818V RIB	162.3	203.2		18.1	Planted: May 10, 2022; Harvested: September 30, 2022				
					Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 182/70/70				

**Table 5C. Caldwell County, conventional, 2022.**

Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22	
Spectrum 6416	181.2		197.3	20.8
Spectrum 6228	178.3		193.9	19.0
Croplan 5290	175.2	216.3		19.4
FS InVISION 63Z00	170.0	205.3		20.0
Croplan 5340	166.3	199.8		20.2
Partners Brand PB 8335C	164.3	204.6		18.9
Spectrum 6314	161.9			18.8
Partners Brand PB 8336C	147.4	188.9		19.4
FS InVISION 67S00	144.7			21.6
<b>Average</b>	<b>167.7</b>	<b>203.4</b>	<b>195.6</b>	<b>19.6</b>
C.V.	8.3	6.8	10.7	1.8
LSD	32.1	18.5	23.6	0.8

Shaded cells are not significantly different from top yield (0.10)  
 Planted: May 10, 2022; Harvested: September 30, 2022  
 Soil type: Crider Silt Loam; Previous crop: Soybean; Fertilizer: 182/70/70

**Table 6. Caldwell County, weather, 2022.**

	Monthly Precipitation (in)	Temperature Average
March	N/A	N/A
April	N/A	N/A
May	2.4	68.1
June	2.5	74.7
July	4.7	80
August	5.9	76
September	0.3	69

**Table 7E. Fayette County, early, 2022.**

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)
	2022	2021-22	2020-22				2022	2021-22	2020-22		
DEKALB DKC111-35RIB	161.6			14.1	59.1	Beck's 6128V2P	136.9			16.5	57.0
Channel 210-46VT2PRIB	158.6	180.5		14.3	59.3	Stewart 09DP409	135.4	163.0	157.8	12.3	54.5
Brevant Seeds B10A20AM	152.1			15.1	57.0	Stewart 11DT792	135.1	166.9		12.1	56.4
AgriGold A640-12STX	148.7			14.4	55.8	FSInVISION 6017V RIB	132.9			12.3	56.3
Revere 0918 VT2P	147.9			13.9	57.2	Seed Consultants SC1112AM	131.3	173.1		13.6	58.2
Dyna-Gro D51VC67	147.9	172.9		12.0	55.6	NuTech 68A9AM	128.9			14.5	57.3
Warren Seed DS 4878	147.2	186.4		12.1	56.9	NuTech 70A8AM	124.1	161.3	148.0	13.3	58.1
Warren Seed DS 5018	145.5	187.9	162.3	10.4	54.0	Brevant Seeds B09Z08AM	122.0	147.8		13.9	58.2
Channel 211-11VT2P	143.4			13.7	59.0	NuTech 68A7AM	121.6	172.5	163.8	12.7	56.4
Pioneer P0953AM	143.0			16.0	59.3	NuTech 70B4AM	119.4			15.2	57.6
DEKALB DKC59-82RIB	141.8	177.0	160.4	13.6	55.9	<b>Average</b>	<b>139.2</b>	<b>171.6</b>	<b>158.5</b>	<b>13.6</b>	<b>57.0</b>
Croplan 4930	140.9	181.5		13.5	58.0	C.V.	12.8	10.5	11.2	5.3	1.5
Revere 1125 VT2P	140.1			16.0	58.5	LSD	34.9	22.7	16.8	1.4	1.6
Dyna-Gro D50VC09RIB	139.8			12.9	56.8	Shaded cells are not significantly different from top yield (0.10)					
Golden Harvest G10L16-5222A E-Z Refuge	139.3			11.8	55.4	Planted: May 3, 2022; Harvested: October 10, 2022					
Warren Seed DS 5095	138.8			14.9	57.1	Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer: 182/0/0					

**Table 7M. Fayette County, medium, 2022.**

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)
	2022	2021-22	2020-22				2022	2021-22	2020-22		
Stewart 13SS312	191.3			16.2	58.4	NuTech 72D4AM	155.6	191.5		14.9	59.0
Seed Consultants SC1122Q	184.2	192.0		15.1	56.2	Beck's 6374V2P	155.4	174.7	158.4	14.7	57.8
Dyna-Gro D54VC34	181.2		157.4	15.2	57.5	Dyna-Gro D54VC14	154.5	180.1		13.7	57.8
Stewart 14DT593	176.7			15.4	59.3	Warren Seed DS 5250	152.9	189.0		15.0	58.2
Stewart 15DP519	175.4	198.9	183.4	17.9	58.1	Revere 1307TC	152.1	180.3	171.7	19.1	60.6
AgriGold A645-16VT2PRO	171.8	190.1	171.0	17.2	56.8	AgriGold A642-05VT2PROD1	149.7			15.3	57.5
NuTech 74A9AM	171.1	185.7		16.3	57.8	Dyna-Gro D53TC23RIB	149.6			14.6	58.1
Pioneer P1289AM	170.2			16.0	58.2	Golden Harvest G12S75-5122 E-Z Refuge	149.0			14.3	54.2
Croplan 5497	169.9	179.1		15.8	56.8	Stewart 13DD360	147.8	178.4	168.7	15.8	56.7
Revere 1577 VT2PRIB	169.5	188.5	164.4	14.5	58.7	NuTech 74C4AM	144.7			17.0	60.3
DEKALB DKC65-95RIB	168.1	184.0	167.8	15.4	59.1	LG Seeds LG63C82	144.7			15.2	57.2
Partners Brand PB 8335	166.9	176.9		13.4	57.3	Golden Harvest G15J91-3220 E-Z Refuge	144.5			15.7	57.7
FS InVISION FS 6306T RIB	166.8	183.1	172.0	13.8	57.3	Master Farmer MBZ-159	143.3			14.5	56.6
DEKALB DKC64-22RIB	166.7			16.2	61.4	AgriGold A642-76VT2PRO	142.8			16.0	58.0
DEKALB DKC62-70RIB	163.7	178.1		14.3	59.5	NuTech 74B6AM	138.6	155.8	143.6	16.1	58.4
ARMOR A1575	163.5	183.9	172.4	15.9	57.3	Brevant Seeds B13K20AM	138.4			14.6	56.2
FS InVISION 6217T RIB	163.3			15.5	55.9	LG Seeds LG62C22	135.7			15.8	57.7
Beck's 6414V2P	162.1	178.6	159.6	14.7	59.1	Partners Brand PB 8336	134.2	174.9		14.6	57.8
Beck's 6296LM	160.9			15.4	58.6	FS InVISION 6225L1 EZR	125.6			13.3	57.6
Brevant Seeds B13A10AM	160.6	191.0		14.0	58.9	Warren Seed DS 5383	119.7			16.7	60.5
Revere ZS1525 3220A	160.1			17.1	55.6	<b>Average</b>	<b>157.0</b>	<b>182.0</b>	<b>168.4</b>	<b>15.5</b>	<b>57.9</b>
Dyna-Gro D55VC80	159.6	179.3	168.4	15.9	57.0	C.V.	11.4	9.5	10.8	5.6	1.5
Revere 1398VT2P	159.5	178.5	170.6	15.8	58.4	LSD	34.8	22.3	17.4	1.7	1.7
FS InVISION FS 6595V RIB	159.2	180.7	177.6	16.0	57.4	Shaded cells are not significantly different from top yield (0.10)					
Channel 214-78DGV2PRIB	159.0	187.3	183.1	16.3	57.8	Planted: May 3, 2022; Harvested: October 10, 2022					
DEKALB DKC63-57RIB	158.7	181.5	176.0	13.9	57.2	Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer: 182/0/0					
Master Farmer MBZ-C152-5122-EZ1	155.9			16.0	55.7						

**Table 7L. Fayette County, late, 2022.**

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)
	2022	2021-22	2020-22				2022	2021-22	2020-22		
Partners Brand PBX28702	202.1			18.1	59.7	Stewart 17DP781	145.9	169.8	163.4	20.4	57.4
AgriGold A647-79VT2PRO	181.9			15.9	58.8	Seed Consultants SC1170AM	145.1	174.3	177.8	14.2	58.4
Seed Consultants SC1183AM	163.6			17.4	58.0	DEKALB DKC67-44 RIB	144.7	171.9	174.6	17.1	57.9
LG Seeds LG66C44VT2PRO	160.5	181.5	171.3	16.6	57.7	Brevant Seeds B17Z18AM	143.4	167.9		15.6	57.7
FS InVISION 6625V RIB	160.4			16.5	59.4	Revere 1627 TC	141.5			17.3	59.4
Pioneer P1718AML	158.3			15.9	57.5	DEKALB DKC67-94RIB	141.3	174.2		17.1	58.4
Channel 217-01VT2PRIB	157.2	185.6		14.7	56.9	FS InVISION 6818V RIB	139.6	173.5		19.3	60.6
FS InVISION 6627T RIB	157.0			15.9	58.8	Beck's 6803V2P	138.1			21.0	61.1
Golden Harvest G16Q82-3120A E-Z Refuge	156.9			15.7	57.0	Master Farmer MB-E172-3110	135.6			17.2	55.5
Pioneer P1847AML	156.5	164.6	165.8	19.5	58.1	Stewart 18DP682	135.5	173.8		17.3	57.5
DEKALB DKC70-45RIB	155.5			18.4	58.0	LG Seeds LG66C06	127.6			15.5	58.9
Croplan 5678	154.8	176.1		16.8	58.7	<b>Average</b>	<b>151.8</b>	<b>174.6</b>	<b>169.8</b>	<b>17.0</b>	<b>58.2</b>
Dyna-Gro D57TC29RIB	154.7			19.0	54.9	C.V.	12.7	10.4	12.4	5.7	1.5
DEKALB DKC66-06RIB	154.4			16.5	57.3	LSD	37.9	23.6	19.9	1.9	1.7
LG Seeds LG67C07	154.1			16.1	58.6	Shaded cells are not significantly different from top yield (0.10)					
NuTech 77A5AM	151.4	176.6		15.5	57.5	Planted: May 3, 2022; Harvested: October 10, 2022					
DEKALB DKC68-35RIB	148.8			18.7	59.5	Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer: 182/0/0					
DEKALB DKC66-18RIB	146.9	179.3	166.0	16.0	58.4						

**Table 7C. Fayette County, conventional, 2022.**

Name	YIELD (BU/AC)		MST (%)	TWT (LB/BU)
	2022	2021-22		
Spectrum 6228	169.2		14.4	58.5
Partners Brand PB 8335C	163.8	184.2	13.8	58.1
Croplan 5290	154.5	176.9	15.1	58.0
Spectrum 6416	152.0		18.6	56.8
FS InVISION 63Z00	152.0	176.4	16.2	59.9
Partners Brand PB 8336C	147.6	173.0	16.5	58.5
Croplan 5340	138.4	176.6	18.7	60.4
FS InVISION 67S00	132.8		18.1	59.7
Spectrum 6314	80.0		13.8	56.5
<b>Average</b>	<b>145.8</b>	<b>178.5</b>	<b>16.0</b>	<b>58.2</b>
C.V.	13.7	9.9	6.4	1.8
LSD	41.8	23.0	2.1	2.1

Shaded cells are not significantly different from top yield (0.10)  
 Planted: May 3, 2022; Harvested: October 10, 2022  
 Soil type: Lanton Silt Loam; Previous crop: Soybean; Fertilizer: 182/0/0

**Table 8. Fayette County, weather, 2022.**

	Monthly Precipitation (in)	Temperature Average
March	4	47.8
April	3.7	53.6
May	4	67.1
June	1.7	74.6
July	7.3	77.4
August	4.3	74.6
September	0.7	67.8

**Table 9E. Henderson County, early, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
Beck's 6128V2P	246.7			19.2	Pioneer P0953AM	218.9			19.9
Dyna-Gro D51VC67	242.3	276.6		18.9	Warren Seed DS 4878	217.7	261.3		18.3
Stewart 11DT792	237.5	269.5		18.6	NuTech 68A9AM	214.1			18.3
AgriGold A640-12STX	231.6			19.6	Seed Consultants SC1112AM	214.1	260.8		19.2
NuTech 70B4AM	230.9			19.0	NuTech 68A7AM	214.1	259.0	255.9	18.4
FSInVISION 6017V RIB	228.6			18.6	Warren Seed DS 5018	211.1	265.0	266.2	17.9
DEKALB DKC59-82RIB	228.5	262.4	261.1	18.5	NuTech 70A8AM	209.1	249.9	250.5	19.2
Channel 211-11VT2P	227.5			19.2	Warren Seed DS 5095	206.2			19.0
Croplan 4930	225.7	261.8		19.2	Channel 210-46VT2PRIB	206.1	253.5		19.0
DEKALB DKC111-35RIB	223.5			19.8	Brevant Seeds B09Z08AM	205.5	257.9		18.8
Dyna-Gro D50VC09RIB	223.2			18.7	<b>Average</b>	<b>221.7</b>	<b>261.1</b>	<b>257.8</b>	<b>18.8</b>
Brevant Seeds B10A20AM	222.1			18.7	C.V.	5.6	4.8	5.2	1.4
Stewart 09DP409	220.3	255.6	255.2	17.6	LSD	24.5	16.1	12.4	0.5
Revere 1125 VT2P	220.1			20.3					
Revere 0918 VT2P	219.7			18.3					
Golden Harvest G10L16-5222A E-Z Refuge	219.6			18.9					

Shaded cells are not significantly different from top yield (0.10)  
Planted: April 27, 2022; Harvested: October 3, 2022  
Soil type: Allison Silty Clay Loam; Previous crop: Soybean; Fertilizer: 150/92/120

**Table 9M. Henderson County, medium, 2022.**

Name	YIELD (BU/AC)			MST (%)	Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22			2022	2021-22	2020-22	
ARMOR A1575	252.7	273.0	271.0	20.6	Seed Consultants SC1122Q	229.5	254.9		20.0
Dyna-Gro D55VC80	249.0	270.0	267.6	20.7	NuTech 74A9AM	229.3	262.5		20.1
FS InVISION FS 6306T RIB	247.9	268.1	262.3	19.8	Dyna-Gro D54VC34	229.3		247.5	20.3
AgriGold A642-05VT2PROD1	245.1			19.9	FS InVISION 6217T RIB	229.2			19.6
Beck's 6374V2P	243.8	259.1	249.8	20.1	Brevant Seeds B13K20AM	227.8			19.2
FS InVISION FS 6595V RIB	243.0	259.2	263.1	20.8	LG Seeds LG62C22	227.4			20.5
Channel 214-78DGV2PRIB	242.9	271.4	271.4	20.0	Warren Seed DS 5250	227.0	263.8		19.6
Revere 1577 VT2PRIB	242.0	272.7	266.9	20.5	Partners Brand PB 8336	225.0	255.1		20.5
Beck's 6414V2P	242.0	269.7	260.7	20.1	Revere 1307TC	224.9	253.6	238.7	22.2
Brevant Seeds B13A10AM	239.1	279.6		19.7	NuTech 74C4AM	223.9			20.2
Croplan 5497	239.0	268.9		20.0	Golden Harvest G12S75-5122 E-Z Refuge	223.2			18.5
NuTech 72D4AM	238.4	263.3		19.2	Warren Seed DS 5383	223.1			20.2
DEKALB DKC62-70RIB	236.8	257.1		20.4	DEKALB DKC63-57RIB	222.3	255.1	259.6	19.1
Pioneer P1289AM	236.4			19.3	FS InVISION 6225L1 EZR	220.3			19.1
Revere 1398VT2P	234.9	256.2	258.3	19.9	NuTech 74B6AM	219.2	254.8	255.2	20.3
Stewart 14DT593	234.6			21.0	Master Farmer MBZ-159	215.0			19.1
Stewart 15DP519	234.5	259.0	261.0	21.0	Revere ZS1525 3220A	213.4			21.3
LG Seeds LG63C82	234.1			20.3	Golden Harvest G15J91-3220 E-Z Refuge	209.1			19.2
Partners Brand PB 8335	233.0	254.2		19.8	Master Farmer MBZ-C152-5122-EZ1	206.5			19.8
Dyna-Gro D53TC23RIB	232.7			19.5	<b>Average</b>	<b>231.2</b>	<b>262.4</b>	<b>260.9</b>	<b>20.1</b>
DEKALB DKC65-95RIB	232.6	254.2	252.1	21.0	C.V.	5.1	4.7	4.7	1.6
AgriGold A642-76VT2PRO	232.5			20.3	LSD	22.9	16.0	11.4	0.6
Beck's 6296LM	232.5			19.3					
Dyna-Gro D54VC14	231.6	259.7		20.3					
AgriGold A645-16VT2PRO	231.2	256.8	262.7	20.5					
Stewart 13DD360	230.6	263.1	264.8	19.1					
DEKALB DKC64-22RIB	230.3			21.9					
Stewart 13SS312	230.2			19.8					

Shaded cells are not significantly different from top yield (0.10)  
Planted: April 27, 2022; Harvested: October 3, 2022  
Soil type: Allison Silty Clay Loam; Previous crop: Soybean; Fertilizer: 150/92/120



**Table 9L. Henderson County, late, 2022.**

Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22	
Stewart 18DP682	254.1	270.2		20.7
Stewart 17DP781	249.3	262.3	266.1	22.6
DEKALB DKC66-06RIB	247.4			21.2
LG Seeds LG66C44VT2PRO	241.8	263.5	261.4	20.9
Dyna-Gro D57TC29RIB	241.7			20.5
AgriGold A647-79VT2PRO	238.3			20.9
LG Seeds LG66C06	237.8			21.8
DEKALB DKC66-18RIB	237.4	267.1	264.6	20.5
NuTech 77A5AM	236.7	265.1		20.6
DEKALB DKC68-35RIB	236.3			21.6
Pioneer P1718AML	235.1			21.8
Croplan 5678	234.4	251.1		21.4
Master Farmer MB-E172-3110	231.3			22.1
LG Seeds LG67C07	231.2			21.3
DEKALB DKC67-94RIB	229.3	245.6		21.2
FS InVISION 6627T RIB	227.2			20.6
DEKALB DKC67-44 RIB	227.1	252.5	255.7	20.8
Partners Brand PBX28702	225.9			22.3

Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22	
Seed Consultants SC1170AM	225.0	256.8	261.8	20.2
Revere 1627 TC	224.5			21.5
Seed Consultants SC1183AM	224.5			20.7
FS InVISION 6625V RIB	223.0			20.7
DEKALB DKC70-45RIB	222.9			21.8
Brevant Seeds B17Z18AM	221.6	254.9		20.2
Golden Harvest G16Q82-3120A E-Z Refuge	217.8			20.2
Channel 217-01VT2PRIB	215.2	253.3		19.5
FS InVISION 6818V RIB	209.9	239.7		22.1
Beck's 6803V2P	209.5			22.3
Pioneer P1847AML	170.4	220.0	231.8	21.1
<b>Average</b>	<b>228.4</b>	<b>254.0</b>	<b>256.9</b>	<b>21.1</b>
C.V.	5.9	5.3	5.2	1.8
LSD	26.3	17.7	12.3	0.7

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 27, 2022; Harvested: October 3, 2022  
 Soil type: Allison Silty Clay Loam; Previous crop: Soybean; Fertilizer: 150/92/120

**Table 9C. Henderson County, conventional, 2022.**

Name	YIELD (BU/AC)			MST (%)
	2022	2021-22	2020-22	
FS InVISION 67S00	226.7			21.5
Spectrum 6228	219.7		230.6	18.8
Partners Brand PB 8335C	217.2	246.5		19.1
Croplan 5340	215.2	239.1		21.0
FS InVISION 63Z00	211.0	239.8		20.2
Partners Brand PB 8336C	201.2	236.1		20.4
Croplan 5290	197.5	225.0		19.7
Spectrum 6314	194.1			19.0
Spectrum 6416	186.8		217.7	21.1
<b>Average</b>	<b>208.3</b>	<b>238.6</b>	<b>224.2</b>	<b>19.7</b>
C.V.	6.6	5.0	4.7	1.6
LSD	28.1	15.8	12.2	0.6

Shaded cells are not significantly different from top yield (0.10)  
 Planted: April 27, 2022; Harvested: October 3, 2022  
 Soil type: Allison Silty Clay Loam; Previous crop: Soybean; Fertilizer: 150/92/120

**Table 10. Henderson County, weather, 2022.**

	Monthly Precipitation (in)	Temperature Average	Irrigation
March	4.2	47.9	0
April	4.5	55.1	0
May	3.1	69.1	0
June	1.3	74.5	4
July	9	77.3	0
August	4.4	74.5	0
September	2.2	68.4	0

**Table 11E. Logan County, early, 2022.**

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)
	2022	2021-22	2020-22				2022	2021-22	2020-22		
Stewart 11DT792	181.0	201.0		21.8	56.7	NuTech 70A8AM	140.4	168.2	189.4	20.4	59.6
FSInVISION 6017V RIB	180.0			21.1	56.8	Channel 211-11VT2P	139.2			22.4	58.2
AgriGold A640-12STX	176.6			24.9	56.6	Dyna-Gro D50VC09RIB	134.1			21.5	56.3
Warren Seed DS 5095	167.9			20.6	58.8	Brevant Seeds B09Z08AM	133.4	181.7		20.2	59.5
DEKALB DKC111-35RIB	167.9			23.5	59.4	Golden Harvest G10L16-5222A E-Z Refuge	131.1			20.4	56.6
Warren Seed DS 4878	167.3	189.4		19.8	59.1	Croplan 4930	128.3	175.0		20.5	58.1
Brevant Seeds B10A20AM	167.3			20.9	59.2	Seed Consultants SC1112AM	127.8	174.6		19.9	58.6
NuTech 70B4AM	154.6			20.6	59.6	NuTech 68A9AM	123.6			21.5	59.6
Warren Seed DS 5018	153.5	168.3	190.0	19.2	59.0	Pioneer P0953AM	120.5			20.3	58.1
Beck's 6128V2P	152.3			23.1	57.7	Revere 1125 VT2P	119.6			22.6	58.4
DEKALB DKC59-82RIB	151.5	177.3	192.2	22.0	57.0	<b>Average</b>	<b>149.5</b>	<b>180.4</b>	<b>192.8</b>	<b>21.4</b>	<b>58.1</b>
Channel 210-46VT2PRIB	149.7	181.8		23.6	57.6	C.V.	15.0	12.5	10.8	4.6	1.3
NuTech 68A7AM	145.4	183.2	197.3	19.9	59.3	LSD	46.2	29.0	18.3	2.0	1.5
Stewart 09DP409	142.9	187.3	195.2	19.8	56.7	Shaded cells are not significantly different from top yield (0.10)					
Revere 0918 VT2P	141.1			21.8	57.3	Planted: April 22, 2022; Harvested: September 13, 2022					
Dyna-Gro D51VC67	141.0	166.4		21.4	57.2	Soil type: Pembroke Silt Loam; Previous crop: Soybean; Fertilizer: 167/83/0					

**Table 11M. Logan County, medium, 2022.**

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)
	2022	2021-22	2020-22				2022	2021-22	2020-22		
Beck's 6414V2P	223.2	214.5	213.2	20.5	65.5	Channel 214-78DGVT2PRIB	155.6	180.3	194.7	24.7	57.0
ARMOR A1575	193.7	193.4	206.1	24.5	56.5	Golden Harvest G12S75-5122 E-Z Refuge	155.4			22.3	56.0
DEKALB DKC63-57RIB	190.0	201.0	210.9	22.8	57.7	Partners Brand PB 8335	152.5	181.3		22.6	57.8
DEKALB DKC64-22RIB	188.6			24.0	58.3	Revere 1398VT2P	151.7	179.3	192.9	22.4	58.6
Dyna-Gro D55VC80	186.0	200.2	205.9	23.9	57.4	Stewart 13SS312	149.9			23.3	57.3
FS InVISION 6225L1 EZR	182.6			20.3	58.0	Warren Seed DS 5383	148.8			21.0	59.5
Dyna-Gro D53TC23RIB	181.2			22.0	57.3	Beck's 6296LM	145.7			20.0	58.6
FS InVISION FS 6595V RIB	180.8	192.0	198.1	24.6	56.4	Stewart 13DD360	139.9	177.0	193.2	21.4	57.7
AgriGold A645-16VT2PRO	180.2	194.7	205.1	24.3	56.9	Seed Consultants SC1122Q	137.7	181.1		22.6	58.0
AgriGold A642-05VT2PROD1	179.2			23.1	56.9	LG Seeds LG63C82	136.5			22.1	57.4
DEKALB DKC65-95RIB	177.9	210.3	215.6	25.0	57.6	Partners Brand PB 8336	130.5	165.5		23.5	56.8
Golden Harvest G15J91-3220 E-Z Refuge	177.4			23.2	57.2	Master Farmer MBZ-C152-5122-EZ1	128.9			22.2	55.9
Brevant Seeds B13A10AM	175.6	191.1		20.6	56.9	Brevant Seeds B13K20AM	123.1			20.5	57.8
Dyna-Gro D54VC34	174.7		203.8	23.5	57.2	NuTech 74B6AM	121.0	158.0	172.4	21.3	57.9
Croplan 5497	172.4	198.7		24.0	56.6	LG Seeds LG62C22	120.1			24.0	57.7
Beck's 6374V2P	171.0	197.0	201.9	21.4	57.2	Master Farmer MBZ-159	118.6			20.7	56.9
Dyna-Gro D54VC14	169.3	191.9		23.4	57.5	Revere 1307TC	117.2	162.8	183.4	25.5	58.7
DEKALB DKC62-70RIB	167.6	195.9		23.7	58.0	NuTech 74A9AM	110.9	167.3		24.9	55.9
FS InVISION FS 6306T RIB	167.4	181.1	199.5	21.0	57.3	NuTech 74C4AM	109.0			20.7	59.1
Pioneer P1289AM	166.0			20.8	58.9	NuTech 72D4AM	106.3	169.5		20.3	58.0
FS InVISION 6217T RIB	163.5			20.3	57.4	<b>Average</b>	<b>156.2</b>	<b>186.7</b>	<b>200.0</b>	<b>22.5</b>	<b>57.7</b>
Stewart 15DP519	160.9	183.4	190.2	23.4	57.7	C.V.	17.3	12.8	10.5	5.9	3.7
Warren Seed DS 5250	159.7	192.4		20.2	57.7	LSD	52.4	30.4	18.4	2.6	4.2
Revere 1577 VT2PRIB	159.6	188.2	196.9	22.8	57.7	Shaded cells are not significantly different from top yield (0.10)					
AgriGold A642-76VT2PRO	156.5			22.7	57.4	Planted: April 22, 2022; Harvested: September 13, 2022					
Revere ZS1525 3220A	156.2			24.3	56.8	Soil type: Pembroke Silt Loam; Previous crop: Soybean; Fertilizer: 167/83/0					
Stewart 14DT593	155.8			25.0	58.3						

**Table 11L. Logan County, late, 2022.**

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)
	2022	2021-22	2020-22		
DEKALB DKC68-35RIB	197.9			22.9	58.6
DEKALB DKC67-94RIB	186.7	199.7		23.7	58.3
AgriGold A647-79VT2PRO	185.2			23.4	57.2
Dyna-Gro D57TC29RIB	182.2			27.2	55.4
NuTech 77A5AM	180.8	202.3		20.8	58.2
DEKALB DKC67-44 RIB	176.8	185.5	203.0	23.6	58.9
Stewart 18DP682	175.1	188.6		25.9	55.8
Revere 1627 TC	174.8			24.4	58.0
LG Seeds LG67C07	174.2			23.9	57.3
Pioneer P1718AML	171.3			25.9	57.6
Stewart 17DP781	171.0	186.5	188.1	25.7	56.8
LG Seeds LG66C44VT2PRO	165.6	183.6	193.1	24.8	57.4
Channel 217-01VT2PRIB	164.1	201.0		22.1	58.4
FS InVISION 6627T RIB	162.2			23.2	57.1
FS InVISION 6625V RIB	161.4			22.0	59.2
DEKALB DKC66-06RIB	160.4			23.0	57.3
Partners Brand PBX28702	158.3			26.9	58.6
Croplan 5678	156.8	177.6		24.1	56.6
Seed Consultants SC1183AM	153.3			21.2	55.7
Beck's 6803V2P	152.5			26.5	58.0
LG Seeds LG66C06	151.9			24.2	54.3
FS InVISION 6818V RIB	151.5	173.8		26.1	58.2
DEKALB DKC66-18RIB	148.6	184.8	200.6	21.5	57.9
DEKALB DKC70-45RIB	147.7			27.9	56.6
Golden Harvest G16Q82-3120A E-Z Refuge	141.5			24.3	57.4
Seed Consultants SC1170AM	129.5	176.8	190.8	22.1	57.8
Pioneer P1847AML	123.1	176.3	190.3	22.9	57.0
Master Farmer MB-E172-3110	107.5			24.8	54.8
Brevant Seeds B17Z18AM	104.1	157.0		21.7	55.4
<b>Average</b>	<b>158.1</b>	<b>184.1</b>	<b>194.3</b>	<b>23.9</b>	<b>57.3</b>
C.V.	16.5	12.6	10.7	6.0	1.5
LSD	52.5	30.0	18.5	2.8	1.7

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

Planted: April 22, 2022; Harvested: September 13, 2022

Soil type: Pembroke Silt Loam; Previous crop: Soybean; Fertilizer: 167/83/0

**Table 12. Logan County, weather, 2022.**

	Monthly Precipitation (in)	Temperature Average
March	4.3	50.5
April	4	55.7
May	4	68.3
June	4.1	74.3
July	4.5	80
August	7	76.1
September	1.8	69.2

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