

# 2023 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 2023 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 2024. 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

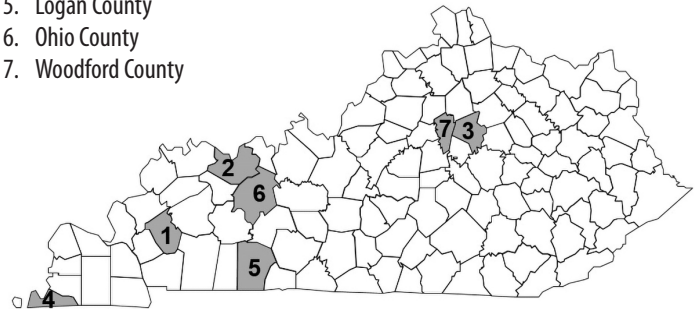
The map on page 1 shows the test locations. The test sites were selected to represent different agro-climatic areas of Kentucky where corn is a major commodity. There were seven total tests from seven locations across the state. Included in these seven tests were two irrigated tests in Henderson and 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 Conventional was lost due to mechanical issues at harvest. Ohio Late and Conventional tests were lost due to chemical damage. Please make note of the large differences in planting dates. Because of the dry weather late in the season around the Lexington area this year, it led to higher CV's, so it is hard to compare hybrids. Please look to the multiple

**Figure 1.** 2023 Kentucky Hybrid Corn Performance Test Locations.

1. Caldwell County
2. Daviess County
3. Fayette County
4. Fulton County
5. Logan County
6. Ohio County
7. Woodford County



year data for better comparisons when choosing hybrids using this location. Test Weight is not included at this time due to software issues. Should those be resolved there will be an addendum to this publication.

There are no disease ratings this year due to very low levels in both Lexington and Princeton. Continued appreciation is given to Dr. Kiersten Wise and team of the UK Plant Pathology department for their continued dedication to the accuracy of these disease ratings.

### Cultural Practices

Corn seed was planted no-till into soybean stubble at three locations, and into tilled fields at the other four. 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. Fungicides were used on farmers' fields and not on university fields.

### 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:

Tyson Sanderfur and family of Hartford, KY

Brian Major and family of Hickman, KY

Jason Strode and family of Owensboro, KY

Sam Halcomb and family of Adairville, KY

The authors give special thanks to 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

Ben Rudy, Extension Agent, Fulton County, KY

Clint Hardy, Extension Agent, Daviess County, KY

Greg Comer, Extension Agent, Ohio County, KY

## Source of Seeds

The seeds planted in the 2023 Hybrid Corn Performance Test were acquired from the sources listed in Table 1.

**Table 1. Hybrids Tested, 2023.**

Company	Hybrid	Trait*	Test	Color	CRM
AgriGold Hybrids	AgriGold A643-52VT2RIB	VT2	M	Yellow	113
Josh Johnston	AgriGold A644-64VT2RIB	VT2	M	Yellow	114
5381 Akin Rd	AgriGold A645-16VT2PRO	Trecepta	M	Yellow	115
St. Francisville, IL 62460	AgriGold A645-22TRCRIB	VT2	M	Yellow	115
josh.johnston@agrigold.com 800-262-7333	AgriGold A647-79VT2RIB	VT2	L	Yellow	117
Alliance Genetics	Alliance Genetics 2112	None CONV.	C	Yellow	112
Philip Logsdon	Alliance Genetics 2214	Duracade	M	Yellow	114
1202 Doug Hill Rd	Alliance Genetics X23036	Artesian	E	Yellow	108
Island, KY 42350	Alliance Genetics X23038	None CONV.	C	Yellow	113
philip.logsdon@hotmail.com	Alliance Genetics X23086	Viptera	L	Yellow	116
270-792-7248	Alliance Genetics X23089	None CONV.	C	Yellow	114
Beck's Hybrids	Beck's 6296LM	AM	M	Yellow	112
Mark Schmitt	Beck's 6414V2P	V2P	M	Yellow	114
6767 E. 276th St	Becks 6585TCV2P	TCV2P	M	Yellow	115
Atlanta, IN 46031					
mschmitt@beckshybrids.com 270-577-8411					
Channel	Channel 210-46VT2PRIB	VT2PRIB	E	Yellow	110
Cody Hornaday	Channel 214-78DGV2PRIB	DGV2PRIB	M	Yellow	114
1950 Lumpkin Rd	Channel 215-70TRERIB	TRERIB	M	Yellow	115
Loogootee, IN 47533					
cody.hornaday@bayer.com 812-278-4136					
Croplan	Croplan 4930	DGV2P	E	Yellow	109
Winfield United	Croplan 5208	VT2P	M	Yellow	112
Ricky Waldron	Croplan 5497	VT2P	M	Yellow	114
2532 Alexander Dr	Croplan 5550	VT2P	M	Yellow	115
Jonesboro, AR 72401	Croplan 5893	TRE	L	Yellow	118
rpwaldron@landolakes.com 270-881-0328					
BAYER - DEKALB	DEKALB DKC110-41RIB	TRERIB	E	Yellow	110
Todd Ladd	DEKALB DKC111-35RIB	VT2PRIB	E	Yellow	111
17 Buds Way	DEKALB DKC113-83RIB	VT2PRIB	M	Yellow	113
Cadiz, KY 42211	DEKALB DKC117-78RIB	VT2PRIB	M	Yellow	117
todd.ladd@bayer.com	DEKALB DKC59-82RIB	VT2PRIB	E	Yellow	109
270-498-4297	DEKALB DKC62-70RIB	VT2PRIB	M	Yellow	112
	DEKALB DKC63-57RIB	VT2PRIB	M	Yellow	113
	DEKALB DKC64-22RIB	VT2PRIB	M	Yellow	114
	DEKALB DKC65-95RIB	VT2PRIB	M	Yellow	115
	DEKALB DKC66-06RIB	TRERIB	L	Yellow	116
	DEKALB DKC67-94RIB	TRERIB	L	Yellow	117
	DEKALB DKC68-35RIB	VT2PRIB	L	Yellow	118
	DEKALB DKC70-45RIB	VT2PRIB	L	Yellow	120
Dyna-Gro Seed	Dyna-Gro D50VC09RIB	VT2P	E	Yellow	110
Matt Garber	Dyna-Gro D53TC23RIB	VT2P	M	Yellow	113
8570 Jordan Rd	Dyna-Gro D53VC54RIB	Trecepta	M	Yellow	113
Lewisburg, OH 45338	Dyna-Gro D56TC44RIB	VT2P	L	Yellow	116
matthew.garber@nutrien.com 937-459-2529	Dyna-Gro D57VC53RIB	VT2P	L	Yellow	117

**\*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>	Anthrachnose 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>	Aboveground 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 aboveground 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>RW</b>	Corn rootworm resistance

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

**™ = Trademark**

**\*\*\*CRM: Cumulative Relative Maturity**

**Table 1.** (continued).

Company	Hybrid	Trait*	Test	Color	CRM
Golden Harvest	Golden Harvest G12575-D-EZ1	Duracade	M	Yellow	112
Nate Prater	Golden Harvest G14B32-DV-EZ1	Duracade/ Viptera	M	Yellow	114
1209 Joshu Court Greenville, IL 62246 nate.prater@syngenta.com 618-218-0075	Golden Harvest G16Q82-3120A E-Z Refuge	Agrisure Above	L	Yellow	116
Golden Harvest G17B31-V-EZ1		Viptera	L	Yellow	117
Great Heart Seed	Great Heart HT-7360VT2RIB	Double ProRIB	M	Yellow	113
David Lucas	Great Heart HT-7499TRCRIB	TreceptaRIB	M	Yellow	114
220 Washington St Paris, IL 61944 dave.lucas772@gmail.com 217-737-6745					
Growmark	FS InVISION 6017V RIB	VT2P RIB	E	Yellow	110
Eric West	FS InVISION 6133VDG RIB	VT2PDGRIB	E	Yellow	111
FS InVISION	FS InVISION 6173PC	PCE	E	Yellow	111
1701 Towanda Ave Bloomington, IL 61702-2500 ewest@growmark.com 309-557-6234	FS InVISION 6324C	None CONV.	C	Yellow	113
FS InVISION 6625V RIB		VT2P RIB	L	Yellow	116
FS InVISION 6627T RIB		TRE RIB	L	Yellow	116
FS InVISION 67500		None CONV.	C	Yellow	117
FS InVISION 6818V RIB		VT2P RIB	L	Yellow	118
FS InVISION FS 6306T RIB		TRE RIB	M	Yellow	113
FS InVISION FS 6595V RIB		VT2P RIB	M	Yellow	115
Innqvist Seed Solutions	Innqvist A1292VT2PRIB	VT2PRIB	M	Yellow	112
Max Crittenden	Innqvist A1462VT2PRIB	VT2PRIB	M	Yellow	114
1099 W. Front St Boise, ID max.crittenden@innqvist.com 254-652-0032	Innqvist A1542T	Trecepta	M	Yellow	115
Innqvist A1689T		Trecepta	L	Yellow	116
Innqvist A1792T		Trecepta	L	Yellow	117
LG Seeds	LG Seeds LG63C82	DGVT2	M	Yellow	113
Dan Mitchell	LG Seeds LG64C43	VT2	M	Yellow	114
22827 Shissler Road Elmwood, IL 61529 dan.mitchell@lgseeds.com 812-457-3132	LG Seeds LG66C06	VT2	L	Yellow	116
LG Seeds LG67C07		VT2	L	Yellow	117
LG Seeds LG68C18		VT2	L	Yellow	118
NuTech Seed	NuTech 66D1AM	AM	E	Yellow	106
Keith Niemeier	NuTech 68A7AM	AM	E	Yellow	108
201 Knollwood Dr Champaign, IL 61820 keith.niemeier@nutechseed.com 618-541-0605	NuTech 70B4AM	AM	E	Yellow	110
NuTech 72D4AM		AM	M	Yellow	112
NuTech 73A4AM		AM	M	Yellow	113
NuTech 74A9AM		AM	M	Yellow	114
NuTech 74C4AM		AM	M	Yellow	114
NuTech 75C1AM		AM	M	Yellow	115
NuTech 77A5AM		AM	L	Yellow	117

**\*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>	Aboveground 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 + aboveground 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 aboveground 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>RW</b>	Corn rootworm resistance

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

**™ = Trademark**

**\*\*\*CRM: Cumulative Relative Maturity**

**Table 1.** (continued).

Company	Hybrid	Trait*	Test	Color	CRM
Partners Brand Seed	Partners Brand PB 8105	VT2PRIBC	E	Yellow	111
Brad Smith	Partners Brand PB 8335	VT2PRIBC	M	Yellow	113
4610 E. State Road 120	Partners Brand PB 8494	VT2PRIBC	M	Yellow	113
Howe, IN 46746	Partners Brand PB 8702	None CONV.	L	Yellow	117
bradsmith@partnersbrandseed.com 260-350-5503	Partners Brand PB 8702C	None CONV.	C	Yellow	117
PC Seed Co	PC Seed Co 5514		C	Yellow	114
Jim Porter	PC Seed Co 6313		C	Yellow	113
PO Box 718	PC Seed Co 6616		C	Yellow	116
Wilmington, OH 45177 seporter43@hotmail.com 937-218-8836	PC Seed Co 8408		C	Yellow	108
Pioneer	Pioneer P0953AM	YGCB, HX1	E	Yellow	110
Ellen Adler	Pioneer P1170AM	YGCB, HX1	M	Yellow	111
6611 New Harmony Rd	Pioneer P1222AM	YGCB, HX1	M	Yellow	112
Evansville, IN 47720	Pioneer P1289AM	YGCB, HX1	M	Yellow	112
ellen.adler@corveva.com	Pioneer P1608AM	YGCB, HX1	L	Yellow	116
812-453-9796	Pioneer P1718AML	YGCB, HX1, Vip32	L	Yellow	117
Revere Seed Company	Revere 0707 DGV2P	DGV2P	E	Yellow	109
Doug Messersmith	Revere 0918 VT2P	VT2P	E	Yellow	111
802 Rozelle St	Revere 1289 C	None Conv.	C	Yellow	112
Memphis, TN 38104	Revere 1307TC	Trecepta	M	Yellow	113
doug.messersmith@revereseed.com 570-419-3692	Revere 1398VT2P	VT2P	M	Yellow	113
	Revere 1577 VT2PRIB	VT2PRIB	M	Yellow	115
	Revere 1627 TC	Trecepta	L	Yellow	116
	Revere 1707 C	None CONV.	C	Yellow	117
	Revere 1839 TC	Trecepta	L	Yellow	118
Kentland Seeds/Spectrum Ag Holdings	Spectrum 6228	None/Conv	C	Yellow	112
133 N 4th St	Spectrum 6416	None/Conv	C	Yellow	114
Lafayette, IN 47901 amanda@kentlandseeds.com	Spectrum 6593	None/Conv	C	Yellow	115
Stewart Seeds	Stewart 11DT792	Trecepta	E	Yellow	111
Justin Petrosino	Stewart 13DT634	Trecepta	M	Yellow	113
127 N Grove Street	Stewart 14DT593	Trecepta	M	Yellow	114
Bowling Green, OH 43402	Stewart 15DP519	VT2Pro	M	Yellow	115
justin.petrosino@stewartseeds.com 419-681-3427	Stewart 15DT614	Trecepta	M	Yellow	115
	Stewart 17DP781	VT2Pro	L	Yellow	117
	Stewart 18DP682	VT2Pro	L	Yellow	118

**\*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
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<b>Conv</b>	Conventional, no GMO traits
<b>DG</b>	DroughtGard
<b>Duracade</b>	Aboveground 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 aboveground 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>RW</b>	Corn rootworm resistance

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

**™ = Trademark**

**\*\*\*CRM: Cumulative Relative Maturity**

**Table 2. 2023 Agronomics.**

	Locations						
	Caldwell	Daviess	Fayette	Fulton	Logan	Ohio	Woodford
<b>Planting Date</b>	5/2/2023	4/25/2023	4/26/2023	5/1/2023	4/19/2023	4/18/2023	4/25/2023
<b>Harvest Date</b>	10/4/2023	10/2/2023	10/5/2023	10/3/2023	9/20/2023	9/19/2023	10/9/2023
<b>Rainfall (in.)</b>	46.87	35.78	36.43	50.16	45.26	43.11	35.15
<b>Irrigation (in.)</b>	--	4	--	6	--	--	--
<b>Fertilizer (N/P/K)</b>	182/0/70	145/92/120	182/0/70	271/69/120	200/0/72	230/120/100	182/0/70
<b>Soil Type</b>	Crider	Ashton	Lanton	Bardwell	Pembroke	Otwood	Maury

**Table 3E. Early State Summary 2023.**

Name	YIELD (BU/AC)			MST (%)	County Yields (BU/AC)						
	2023	2022-23	2021-23		Caldwell	Daviess	Fayette	Fulton	Logan	Ohio	Woodford
Stewart 11DT792	220.9	204.3	213.6	20.1	207.5	212.3	223.7	203.8	240.7	246.3	212.1
NuTech 70B4AM	216.3	197.8		20.3	189.3	221.0	185.7	219.6	237.2	235.6	225.9
Revere 0918 VT2P	214.5	196.5		20.1	176.7	225.5	225.6	197.1	238.1	238.9	199.5
Pioneer P0953AM	214.2	188.4		20.5	181.9	221.3	194.6	211.7	232.0	237.4	220.7
NuTech 68A7AM	214.0	192.3	210.8	20.0	185.5	227.9	193.2	206.3	246.5	220.4	217.9
LG Seeds LG58C48VT2Pro	213.8			21.4	201.3	219.2	217.8	195.8	227.4	231.8	203.1
FS InVISION 6173PC	213.5			19.8	191.2	237.7	189.1	211.6	244.5	231.0	189.4
FS InVISION 6017V RIB	213.4	200.2		20.3	206.0	213.2	200.5	194.1	239.7	224.7	215.2
Partners Brand PB 8105	213.4			21.2	186.0	212.7	232.2	205.3	236.7	213.8	206.7
DEKALB DKC111-35RIB	211.8	200.9		21.1	195.3	220.7	186.5	208.1	233.1	234.9	204.0
Croplan 4930	211.7	192.3	209.4	20.0	191.5	217.3	208.0	196.8	231.4	228.2	209.0
NuTech 66D1AM	211.5			19.7	196.6	196.7	236.4	209.4	227.0	212.5	201.9
Pioneer P1170AM	209.7			21.0	181.5	218.7	181.7	213.8	239.6	220.3	212.0
DEKALB DKC110-41RIB	208.4			20.7	185.4	207.6	218.9	186.0	224.2	229.7	206.8
Dyna-Gro D50VC09RIB	208.3	192.9		20.2	198.0	203.0	209.5	204.7	223.6	222.4	197.1
FS InVISION 6133VDG RIB	205.7			21.5	190.8	203.5	194.8	194.7	219.8	227.0	209.6
DEKALB DKC59-82RIB	204.0	192.7	207.0	20.3	180.7	206.5	168.4	220.7	227.2	219.6	204.6
Alliance Genetics X23036	202.0			19.9	191.3	196.2	170.7	197.6	240.7	228.0	189.3
Channel 210-46VT2PRIB	200.4	191.3	205.8	20.8	182.9	220.6	162.9	191.1	229.9	225.7	189.8
Revere 0707 DGVT2P	199.9			19.6	186.7	186.6	172.3	200.2	233.6	218.4	201.6
<b>Average</b>	<b>210.4</b>	<b>196.6</b>	<b>209.3</b>	<b>20.4</b>	<b>190.3</b>	<b>213.4</b>	<b>198.6</b>	<b>203.4</b>	<b>233.6</b>	<b>227.3</b>	<b>205.8</b>
C.V.	7.1	7.2	7.9	3.0	6.8	4.9	12.6	7.3	5.7	5.5	6.8
LSD	10.9	19.6	13.7	0.5	25.7	20.6	49.5	29.4	26.5	24.7	28.1

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

**Table 3M. Medium State Summary 2023.**

Name	YIELD (BU/AC)			MST (%)	County Yields (BU/AC)						
	2023	2022-23	2021-23		Caldwell	Daviess	Fayette	Fulton	Logan	Ohio	Woodford
Beck's 6296LM	235.6	209.1		21.0	223.1	228.4	255.8	219.2	245.7	250.0	227.2
NuTech 72D4AM	227.8	199.7	218.3	20.8	216.0	226.7	209.2	233.9	251.0	229.3	228.1
Dyna-Gro D53VC54RIB	227.3			22.3	217.5	206.9	216.8	241.6	243.6	235.3	229.5
AgriGold A644-64VT2RIB	225.7			22.0	219.6	225.9	196.2	211.2	249.3	232.9	245.0
Croplan 5497	225.2	210.3	219.0	22.4	222.5	218.6	236.0	208.9	234.4	245.4	211.0
DEKALB DKC65-95RIB	224.3	208.1	217.5	22.4	218.5	215.8	212.7	213.4	254.8	226.9	227.9
AgriGold A643-52VT2RIB	223.9			22.1	222.0	230.2	210.1	194.2	238.5	253.1	219.1
NuTech 74A9AM	222.5	199.6	212.1	21.5	204.2	225.9	205.0	224.7	243.4	217.2	237.3
DEKALB DKC62-70RIB	222.3	207.5	216.4	21.3	215.3	210.2	224.7	219.6	236.8	214.5	234.7
AgriGold A645-16VT2PRO	221.0	204.9	216.7	22.4	200.1	211.8	209.3	222.0	245.1	247.7	211.1
LG Seeds LG64C43VT2Pro	220.9			21.8	226.0	229.7	214.5	229.4	238.9	214.9	193.0
Innictis A1462VT2PRIB	220.9			22.1	223.7	216.8	198.1	227.7	240.2	233.7	205.8
Pioneer P1222AM	220.7			20.8	218.1	218.0	183.9	236.7	239.7	226.9	221.9
Channel 215-70TRERIB	220.4			22.4	218.7	217.6	218.4	210.6	232.6	229.9	214.9
Croplan 5208	220.1			21.6	216.9	217.8	215.0	226.7	227.9	221.2	215.1
NuTech 75C1AM	219.7			21.9	203.3	221.9	194.5	222.1	239.8	253.2	203.1
Becks 6585TCV2P	219.6			22.9	215.2	203.7	212.5	217.6	244.3	229.0	215.1
Stewart 13DT634	219.4			21.4	214.0	214.7	209.4	227.7	225.0	216.8	228.4
NuTech 73A4AM	219.0			21.9	204.1	213.4	196.5	229.5	231.4	253.8	204.1
Croplan 5550	218.2		229.3	21.7	224.5	225.5	197.4	213.5	239.8	225.4	201.5
FS InVISION FS 6595V RIB	216.7	205.8	214.4	22.0	201.2	214.4	181.0	197.6	248.5	235.6	238.7
Stewart 17DP781	216.6	200.3	207.3	23.1	220.7	216.3	183.8	223.5	243.0	220.8	208.2
Partners Brand PB 8494	216.5			21.9	204.2	230.9	198.9	213.0	234.6	234.7	199.1
Stewart 14DT593	216.0	205.6		22.3	214.2	211.4	196.8	218.3	249.0	237.0	185.7
NuTech 74C4AM	216.0	191.5		21.6	213.1	209.9	199.2	216.1	222.7	212.6	238.3
Beck's 6414V2P	215.7	209.2	220.3	22.0	203.9	215.5	194.9	208.8	231.9	235.8	219.2
Revere 1307TC	215.6	195.5	208.0	21.0	221.8	206.3	191.3	214.1	223.9	231.4	220.1
Golden Harvest G12S75-D-EZ1	215.0			21.2	223.5	206.8	208.1	195.1	237.1	234.7	199.5
Stewart 18DP682	214.6	200.8	214.1	22.6	212.2	230.8	167.2	224.4	256.9	221.1	189.3
Innictis A1542T	214.2			22.2	211.2	216.9	193.1	218.7	238.8	215.8	205.0
Golden Harvest G14B32-DV-EZ1	214.1			21.4	210.1	210.8	204.3	217.7	216.5	222.1	217.0
Revere 1577 VT2PRIB	213.3	203.2	214.5	21.8	208.8	209.1	200.1	215.3	223.5	238.3	198.1
DEKALB DKC113-83RIB	213.0			21.2	206.7	199.8	211.7	226.3	223.1	204.7	218.7
Channel 214-78DGV2PRIB	213.0	200.7	215.4	21.5	201.8	219.1	165.0	216.3	232.9	225.5	230.4
Pioneer P1289AM	212.8	201.8		21.1	214.1	204.7	200.0	218.4	222.6	210.3	219.7
Innictis A1292VT2PRIB	212.8			21.4	216.3	214.3	190.7	212.9	219.1	223.0	213.2
FS InVISION FS 6306T RIB	212.7	204.4	212.0	21.0	222.3	188.3	194.0	198.6	246.0	231.2	208.3
DEKALB DKC63-57RIB	212.3	201.9	213.0	21.7	218.2	226.6	189.2	195.9	214.5	229.1	212.7
Alliance Genetics 2214	211.8			22.0	208.7	190.2	185.7	222.4	229.3	223.7	222.8
DEKALB DKC64-22RIB	211.6	202.9		22.3	214.6	202.2	204.7	189.8	227.0	229.6	213.2
AgriGold A645-22TRCRIB	211.6			22.6	200.4	185.5	196.0	225.9	230.9	224.3	218.0
Stewart 15DP519	211.2	201.8	213.8	21.9	203.2	208.7	182.4	220.7	237.2	242.5	184.0
Stewart 15DT614	210.8			21.8	216.8	200.5	218.4	198.2	228.3	210.3	203.5
Partners Brand PB 8335	210.4	197.8	207.9	21.2	199.1	182.3	181.0	222.7	242.7	218.9	225.8
Great Heart HT-7360VT2RIB	209.0			21.6	218.5	210.8	186.5	212.4	216.3	219.7	198.9
Revere 1398VT2P	207.5	195.7	206.4	21.4	200.2	142.8	210.1	220.3	238.9	225.3	214.8
Dyna-Gro D53TC23RIB	206.7	196.3		21.1	213.6	186.7	184.3	203.1	229.6	220.2	209.1
Great Heart HT-7499TRCRIB	206.0			22.1	215.7	201.6	193.1	164.9	241.7	216.2	208.8
<b>Average</b>	<b>217.0</b>	<b>202.4</b>	<b>215.0</b>	<b>21.8</b>	<b>213.5</b>	<b>211.2</b>	<b>200.7</b>	<b>215.4</b>	<b>235.8</b>	<b>228.4</b>	<b>213.5</b>
C.V.	8.3	8.3	8.0	3.9	6.0	7.1	12.1	8.4	8.0	5.8	10.0
LSD	12.9	23.2	16.3	0.6	24.7	28.9	46.8	35.0	36.5	25.7	41.4

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

**Table 3L. Late State Summary 2023.**

Name	YIELD (BU/AC)			MST (%)	County Yields (BU/AC)					
	2023	2022-23	2021-23		Caldwell	Daviess	Fayette	Fulton	Logan	Woodford
DEKALB DKC68-35RIB	228.0	209.7		23.5	241.1	230.4	214.9	210.1	241.9	229.8
DEKALB DKC66-06RIB	226.0	202.6		22.8	235.9	220.4	215.3	223.7	248.2	212.7
FS InVISION 6625V RIB	221.5	202.3		22.5	210.8	221.8	219.9	215.3	250.0	211.0
Pioneer P1718AML	221.4	201.9		23.1	243.9	228.9	204.3	215.1	240.8	195.6
NuTech 77A5AM	219.8	202.7	215.0	21.9	231.2	228.0	209.6	217.0	236.8	196.0
Pioneer P1608AM	218.3			23.3	214.0	202.3	222.3	202.1	246.5	222.7
Revere 1839 TC	218.2			22.7	216.4	228.4	200.0	196.1	235.6	206.5
Revere 1627 TC	217.5			22.0	220.8	210.9	209.5	234.4	243.7	176.2
Dyna-Gro D56TC44RIB	216.9			22.0	218.8	201.4	211.9	219.3	252.7	197.6
DEKALB DKC117-78RIB	216.2			22.6	219.2	212.5	215.6	192.1	238.4	219.5
AgriGold A647-79VT2RIB	215.9			22.6	221.9	201.0	218.1	190.2	240.1	223.8
FS InVISION 6627T RIB	215.1	198.2		22.0	205.1	209.9	233.6	221.0	217.8	203.3
Golden Harvest G16Q82-AA-EZ1	214.0	193.9		22.3	202.0	219.7	224.1	177.9	238.9	221.3
DEKALB DKC67-94RIB	212.8	198.2	211.1	22.6	223.9	213.0	236.7	149.5	230.5	223.2
Croplan 5893	212.5			23.0	221.4	223.1	210.9	187.8	217.7	213.8
Innkvictis A1792T	212.1			23.0	225.7	195.5	220.4	188.4	242.5	199.8
LG Seeds LG66C06VT2RIB	210.9	192.4		22.3	233.5	199.5	207.9	154.8	256.1	213.6
DEKALB DKC70-45RIB	209.7	193.3		23.2	199.9	192.8	218.4	205.6	246.6	194.9
LG Seeds LG67C07VT2Pro	209.2	196.7		22.7	209.7	215.8	230.1	151.1	230.8	217.4
Alliance Genetics X23086	207.3			22.3	203.2	208.9	211.7	165.4	232.1	222.7
Innkvictis A1689T	206.5			22.6	222.8	209.8	212.9	160.6	245.1	188.0
Dyna-Gro D57VC53RIB	205.1			23.9	206.1	193.9	190.1	189.0	244.1	207.3
FS InVISION 6818V RIB	203.0	186.3	200.7	23.7	211.9	185.3	200.1	182.3	240.8	197.6
Golden Harvest G17B31-V-EZ1	202.0			22.8	197.2	192.4	203.8	190.7	226.5	201.4
Partners Brand PB 8702	200.8	191.3		23.9	201.7	189.1	189.5	189.4	225.6	209.5
LG Seeds LG68C18VT2Pro	192.9			23.3	210.5	159.5	208.3	158.7	232.3	188.0
<b>Average</b>	<b>212.0</b>	<b>197.7</b>	<b>208.9</b>	<b>22.7</b>	<b>215.6</b>	<b>205.8</b>	<b>215.6</b>	<b>190.5</b>	<b>235.2</b>	<b>209.2</b>
C.V.	8.2	8.7	8.5	3.7	5.7	6.4	10.2	7.6	7.9	10.7
LSD	13.5	23.7	16.4	0.7	24.2	25.6	43.0	28.4	36.3	43.6

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

**Table 3C. Conventional State Summary 2023.**

Name	YIELD (BU/AC)			MST (%)	County Yields (BU/AC)				
	2023	2022-23			Caldwell	Daviess	Fayette	Logan	Woodford
PC Seed Co 6313	216.6			22.4	216.8	231.9	198.4	207.7	228.2
Alliance Genetics 2112	213.4			21.2	223.5	202.9	212.7	205.9	221.8
Spectrum 6593	211.3			23.1	220.8	214.7	215.8	218.6	196.4
Revere 1289 C	209.8			21.6	211.9	186.8	216.6	234.7	225.9
Alliance Genetics X23038	207.8			23.3	212.7	211.2	199.5	205.3	210.5
Spectrum 6416	207.5	190.9		22.3	199.6	216.0	224.2	215.1	211.7
PC Seed Co 5514	207.3			22.4	207.4	224.9	190.6	216.2	197.4
Alliance Genetics X23089	207.1			22.7	216.3	228.8	204.1	193.7	192.8
Revere 1707 C	204.3			23.1	182.3	196.9	205.4	243.6	205.1
PC Seed Co 8408	203.5			20.5	203.7	215.6	194.7	197.5	205.9
Spectrum 6228	202.3	190.5		20.8	208.3	178.2	221.0	212.1	196.2
FS InVISION 6324C	199.5			22.1	211.5	217.4	171.7	207.3	189.5
PC Seed Co 6616	199.4			23.6	184.5	201.5	207.1	208.3	195.8
FS InVISION 67500	199.4	181.0		23.5	200.9	202.0	189.9	197.8	206.4
Partners Brand PB 8702C	198.7			23.3	197.9	208.4	182.8	219.7	184.9
<b>Average</b>	<b>205.3</b>	<b>181.0</b>		<b>22.5</b>	<b>207.5</b>	<b>214.4</b>	<b>195.1</b>	<b>205.9</b>	<b>203.3</b>
C.V.	7.5	8.0		3.8	5.9	4.8	11.2	7.4	8.3
LSD	13.3	21.9		0.7	25.5	21.6	45.9	31.7	35.5

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