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farmers' independent research of seed technologies

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INSIDE

Unbiased yield research for corn and soybean products tested near you. Find the *best* seed for your farm.

Check first

2022 Performance Summary

Indiana, Ohio & Michigan

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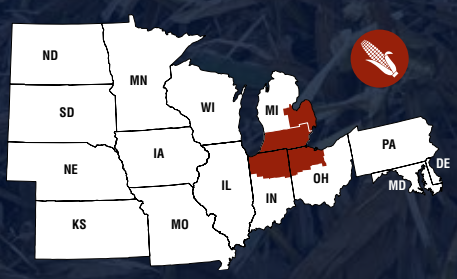
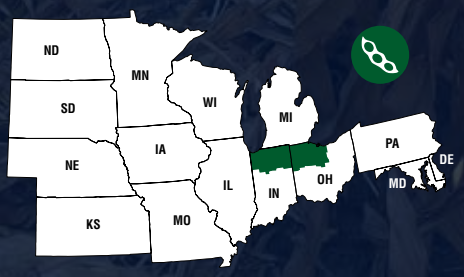
Summary of the 2022 Season

We are proud to bring you this report presenting the top corn and soybean performances in FIRST's independent yield trials. FIRST is your trusted source for unbiased, accurate yield information about America's finest seed brands. Each hybrid and variety is tested at multiple locations with the best and most consistent performers appearing in this summary. For all the harvest reports and complete multi-year results for each product in the trials, visit us at www.firstseedtests.com.





FIRST Testing Methodology and Procedures

TESTING PROGRAM

Our testing program compares corn and soybean seed product yield and agronomic performance in grower fields across 16 states: Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin (Figure 1 & Figure 2).

Testing regions have been established to provide similarity by geography and crop maturity. Seed products within a predefined maturity range (e.g., 106 to 116 RM corn or 0.7 to 1.5 maturity soybeans) are pooled into a single, all-season test or split into early- and full-season tests depending on entry volume. Products are planted at five or six corn test locations or four soybean locations within a region.

Figure 1
FIRST Corn Regions

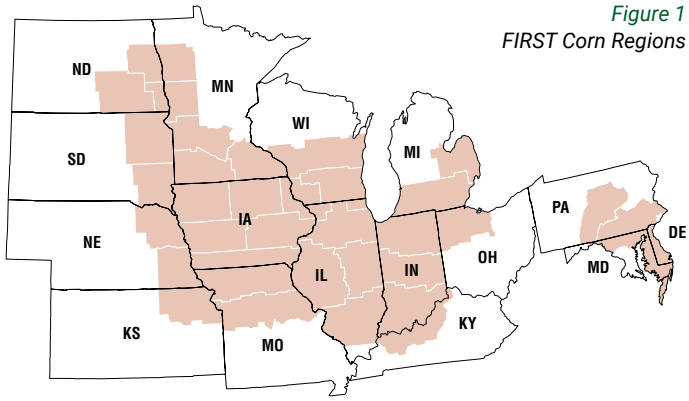
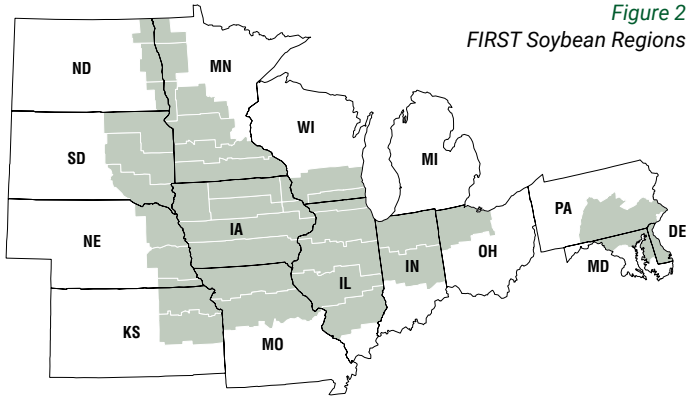


Figure 2
FIRST Soybean Regions



Test locations are selected to represent the geographic diversity within a region. Ideal sites have uniform, well-drained soils where farmer hosts use standard production practices for the area. Typically, all tests at a location are conducted adjacent to each other to minimize yield variance between tests.

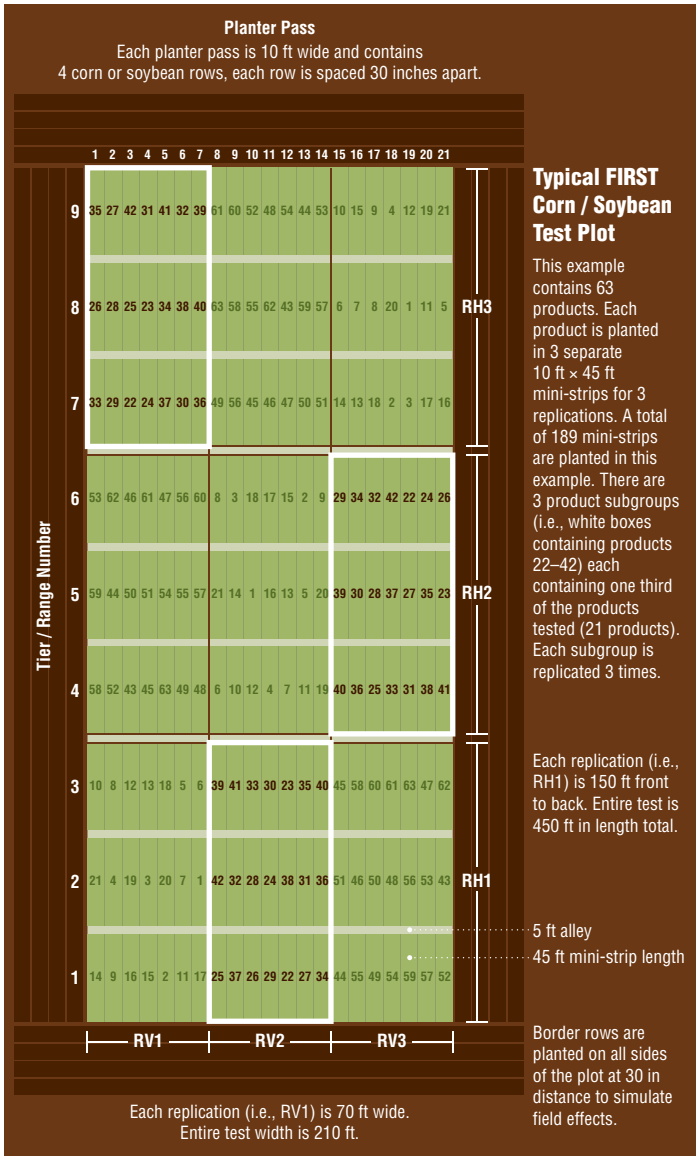
Seed companies and/or seed distributors are invited to submit their most promising seed products within specified test maturity limits to desired test regions. They provide high-quality seed from commercial lots and fees to enter FIRST tests. The only exceptions are check products (CK after product names, i.e. A1234 CK), chosen by FIRST Managers to bridge results between early- and full-season tests, and Grower Comparison products (GC after the product name), often provided by host farmers for their knowledge as test space permits.

Products are replicated three times minimum per test and grouped in sub-blocks arranged in replication blocks from front to back and side to side. This provides more precision in yield measurement and flexibility should a disruptive event (i.e., standing water) require elimination of non-uniform test areas.

FIRST Field Managers package, randomize, and plant seeds into host grower fields using slightly modified commercial planting equipment to facilitate mini strip research. Individual plots (a.k.a. mini-strips) contain four corn rows spaced 30-inches apart, 45 feet in length (Figure 3). Soybean is planted in four rows spaced 30-inches apart or seven 15-inch spaced rows. Soil insecticide is typically applied to corn at planting. Seeding rate is based on standard area practices.

FIRST Managers measure yield from the center two corn rows or all soybean rows using customized commercial self-propelled combines. Grain from each plot is electronically weighed and moisture content measured. Soybean grain is sampled from one replicate per test for protein and oil content analysis.

Figure 3 FIRST Test Plot Layout



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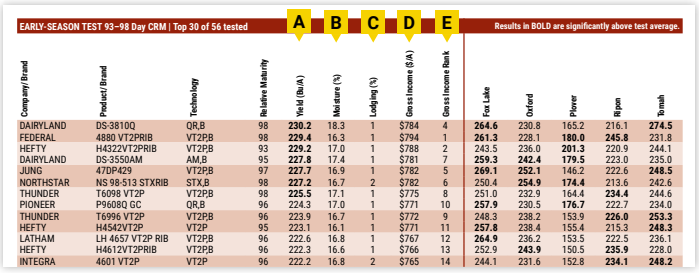
PERFORMANCE SUMMARIES

FIRST *Corn Grain and Soybean Top 30 Harvest Reports* are designed to identify high-yielding products at a single location. These reports are posted to www.firstseedtests.com generally within 2 days of harvest and provide product information, yield and agronomic results.

The *Corn Grain and Soybean Top 30 Region Summary* reports *(Figures 4 & 5)* identify products that consistently deliver top performance across a region by averaging product results from all test locations. These corn and soybean regional reports display grain Yield (Bu/A), grain Moisture (%), Lodging (%) and Gross Income ($/A) averaged over all locations, presented alongside individual site yield results. This report is available shortly after the last *Harvest Report* for a region becomes available at www.firstseedtests.com.

In both reports, products are first ranked by Gross Income ($/A). The 30 highest ranked Gross Income ($/A) products are sorted by Yield (Bu/A) for public presentation. Nearly all tests include more than 30 products but only the Top 30 products are reported.

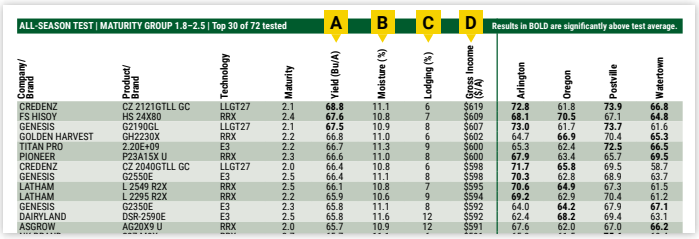
Figure 4 Corn Grain Performance Summary



EARLY-SEASON TEST 93–98 Day CRM | Top 30 of 56 tested — A B C D E — Results in BOLD are significantly above test average.

Company/Brand	Product/Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Fox Lake	Oxford	Plover	Ripon	Tomah
DAIRYLAND	DS-3810Q	QR,B	98	**230.2**	18.3	1	$784	4	**264.6**	230.8	165.2	216.1	**274.5**
FEDERAL	4880 VT2PRIB	VT2PB	98	**229.4**	16.3	1	$794	1	**261.3**	228.1	**180.0**	**245.8**	231.8
HEFTY	H4322VT2PRIB	VT2PB	93	**229.2**	17.0	1	$788	2	243.5	236.0	**201.3**	220.9	244.1
DAIRYLAND	DS-3550AM	AM,B	95	**227.8**	17.4	1	$781	7	**259.3**	**242.4**	**179.5**	223.0	235.0
JUNG	470P429	VT2PB	97	**227.7**	16.9	1	$782	5	**269.1**	**252.1**	146.2	222.6	**248.5**
NORTHSTAR	NS 98-513 STXRIB	STX,B	98	**227.2**	16.7	2	$782	6	250.4	**254.9**	**174.4**	213.6	242.6
THUNDER	T6098 VT2P	VT2PB	98	**225.5**	17.1	1	$775	8	251.0	232.9	164.4	**234.4**	244.6
PIONEER	P9608Q GC	QR,B	96	224.3	17.0	1	$771	10	**257.9**	230.5	**176.7**	222.7	234.0
THUNDER	T6996 VT2P	VT2PB	96	223.9	16.7	1	$772	9	248.3	238.2	153.9	**226.0**	**253.3**
HEFTY	H4542VT2P	VT2P	95	223.1	16.1	1	$771	11	**257.8**	238.4	155.4	215.3	**248.3**
LATHAM	LH 4657 VT2P RIB	VT2PB	96	222.6	16.8	1	$767	12	**264.9**	236.2	153.5	222.5	236.1
HEFTY	H4612VT2PRIB	VT2PB	96	222.3	16.6	1	$766	13	252.9	**243.9**	150.5	**235.9**	228.0
INTEGRA	4601 VT2P	VT2P	96	222.2	16.8	2	$765	14	244.1	231.6	152.8	**234.1**	**248.2**

Figure 5 Soybean Performance Summary



ALL-SEASON TEST | MATURITY GROUP 1.8–2.5 | Top 30 of 72 tested — A B C D — Results in BOLD are significantly above test average.

Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Arlington	Oregon	Postville	Watertown
CREDENZ	CZ 2121GTLL GC	LLGT27	2.1	**68.8**	11.1	6	$619	**72.8**	61.8	**73.9**	**66.8**
FS HISOY	HS 24X80	RRX	2.4	**67.6**	10.8	7	$609	**68.1**	**70.5**	67.1	**64.8**
GENESIS	G2190GL	LLGT27	2.1	**67.5**	10.9	8	$607	**73.0**	61.7	**73.7**	61.6
GOLDEN HARVEST	GH2230X	RRX	2.2	66.8	11.0	6	$602	64.7	**66.9**	70.4	**65.3**
TITAN PRO	2.20E+09	E3	2.2	66.7	11.3	9	$600	65.3	62.4	**72.5**	**66.5**
PIONEER	P23A15X U	RRX	2.3	66.6	11.0	8	$600	**67.9**	63.4	65.7	**69.5**
CREDENZ	CZ 2040GTLL GC	LLGT27	2.0	66.4	10.8	6	$598	**71.7**	**65.8**	69.5	58.7
GENESIS	G2550E	E3	2.5	66.4	11.1	8	$598	**70.3**	62.8	68.9	63.7
LATHAM	L 2549 R2X	RRX	2.5	66.1	10.8	7	$595	**70.6**	**64.9**	67.3	61.5
LATHAM	L 2295 R2X	RRX	2.2	65.9	10.6	9	$594	**69.2**	62.9	70.4	61.2
GENESIS	G2350E	E3	2.3	65.8	11.1	8	$592	64.0	**64.2**	67.9	**67.1**
DAIRYLAND	DSR-2590E	E3	2.5	65.8	11.6	12	$592	62.4	**68.2**	69.4	63.1
ASGROW	AG20X9 U	RRX	2.0	65.7	10.9	12	$591	67.6	62.0	67.0	**66.2**

PERFORMANCE MEASUREMENTS

A **Yield (Bu/A)** — Harvested grain weight and grain moisture are used to convert yield results to bushels per acre at 15% moisture (base moisture) for corn and 13% moisture for soybean. Grain shrinkage is additionally applied to product yields exceeding the base moisture.

B **Moisture (%)** — A calibrated electronic sensor measures moisture content of harvested grain.

C **Lodging (%)** — Estimated percentage of corn plants leaning more than 45° from vertical or stalks broken below the ear at harvest. Encompasses both stalk and root lodging. Estimated soybean plant leaning (0% = all plants vertical, 100% = all plants flat on the ground).

D **Gross Income ($/A)** — Harvested crop value in dollars per acre is derived by multiplying crop yield and price per bushel minus drying costs, if any, to reach base moisture. Each Harvest Report and Performance Summary details specific crop price and drying costs.

E **Gross Income Rank** — Gross Income values are sorted from high to low then numbered consecutively (1, 2, 3…) from highest to lowest value. Ties are broken based on higher yield, lower lodging and lower moisture values.

STATISTICS REPORTED

Least Significant Difference (LSD) is provided on all replicated results to facilitate valid product comparisons. Statistically, the LSD value is the minimum difference needed between two products to declare that one product is greater than another. FIRST calculates LSD at the 10% level (p = 0.10). Product yield differences equal or greater than the LSD (0.10) value would have been greater one versus the other nine times out of 10 (90% probability). Typically, low LSD values indicate high-quality test results. However, keep in mind that LSD values increase as: test yield level increases, p values decrease [i.e. LSD (0.05) value > LSD (0.10) value > LSD (0.25) value] and as data variability increases. Just because LSD values are higher in some tests vs. others does not mean the results are low quality. Multiple factors have a role in LSD value magnitude.

Coefficient of Variance (CV) measures the average difference between the replications of a test entry, averaged for all the entries in the test, then divided by the average of all observations recorded and expressed as a percentage. Higher values indicate more unexplained variability in proportion to the test average than lower values. Researchers within the seed industry may drop yield data from consideration when CV's are above 15% because the unexplained variance is high or the yield level is low or both. Low yield levels at a test site do not estimate yield potential well, nor are there as many or as great a difference between hybrids and varieties compared to higher yield conditions.

Data Rejected — If a data table has "Data Rejected" stamped across it, we have deemed this data is highly variable and of very poor quality, typically due to weather or uncontrolled factors. Rejection decisions are based on statistical analysis of yield results. Data with very high CV and/or low F-test values (the ratio of variability between entry averages divided by the variability between entry replications) are often rejected.

OTHER INFORMATION

Estimated Maturity (corn only) — Product maturity is determined by linear regression comparison of harvest grain moisture and company stated relative maturity (RM). Products with estimated maturity exceeding the test maximum by at least 1 RM are identified in italics. These products may have an unfair yield advantage over peers due to later maturity.

Bold Identified Means — These product means are significantly better than the test average for that measured parameter.

Check Product (CK) — When early- and full-season tests are conducted at a site, an identical check product is planted in both tests. Check yield results allow growers to comparatively view product performance in both early- and full-season tests. No product yield adjustments are made based on check performance.

Grower Comparison (GC) products — These products, identified with a "GC" product name suffix, are often supplied by growers hosting test sites and included when space permits. Grower comparison products allow direct comparison to products in our tests.

United Soybean Board (USB) Products (soybean only) — Products identified with a "§" product name suffix are funded by soybean checkoff dollars. This program strives to gather yield and grain composition results from genetics that otherwise would not be available.

For more yield results visit www.firstseedtests.com
FIRST does not make product endorsements.

TECHNOLOGY CODE LEGEND

Product Suffix Key

CK	Check product found in early- and full- season tests
GC	Grower Comparison product from farmer cooperator or field manager
§	United Soybean Board sponsored entry

Corn Seed Technology Key

CODE	DESCRIPTION
3010	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
3011	Agrisure® 3011 (CB,RW,LL,GT)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
A	Agrisure® Artesian®
AT	Agrisure® Total (CB,HXX,RW,LL,GT), formerly Agrisure® 3122
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax® 1 (HXT,LL,RR2)
AML	Optimum® AcreMax® Leptra (Vip,YGCB,HX,LL,RR2)
AQ	Optimum® AQUAmax®
CONV	conventional corn
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
DVZ	DuracadeViptera™ Z3 (Vip,CB,VTP,RW,RW2,LL,GT), formerly Agrisure Duracade® 5332
DG	DroughtGard®
E	Enlist™ (2,4-D, glyphosate, fop tolerance)
GT	Agrisure® GT
GTA	Agrisure® GTA
PC	PowerCore™ (HX,VT2P)
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax® (VT3P,HXX)
STXP	SmartStax® PRO (VT3P,HXX)
TRE	Trecepta®
VT2P	VT Double PRO®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220

Soybean Seed Technology Key

CODE	DESCRIPTION
CONV	Conventional
E3	Enlist E3® (2,4-D, choline, glyphosate, LL)
LLGT27	LibertyLink® GT27®
RR	glyphosate tolerant (formerly Roundup Ready)
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

CODE	SOYBEAN CYST NEMATODE DESCRIPTION
NA	information is not available
S	susceptible
MR	moderate resistance
R	resistant

FIRST would like to thank the United Soybean Board for support and funding for the soybean entry and quality reporting program.

PRODUCTS TESTED

For the complete list of products, visit www.firstseedtests.com/archive/national-summary-reports/2022-program-guide/

Site Description: MITH *(See corn results table on page 6)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average Stand × 1,000	Average Yield	Yield History Bu/A	Yield History Years
Brown City	Dwight Bartle	loam	conventional	wheat/clover	160	11-May	22-Oct	33.0	232.7	206.0	10
Decker	Lyle Martin	sandy loam	conventional	sugarbeet	174	11-May	9-Nov	33.2	213.9	226.3	4
Midland	Chris Histed	loamy sand	conventional	soybeans	208	12-May	10-Nov	32.9	205.1	192.4	6
Reese	Robert Rau	loam	conventional	wheat	200	12-May	10-Nov	32.9	225.3	198.9	4
Silverwood	John Ferkowicz	loamy sand	conventional	wheat	175	11-May	9-Nov	33.0	228.7	219.9	4
									MITH	194.0	10

Site Description: MISO *(See corn results table on page 7)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average Stand × 1,000	Average Yield	Yield History Bu/A	Yield History Years
Charlotte	Jim & Dennis Orr	loam	no-till	wheat	170	20-May	7-Nov	32.3	211.2	159.3	13
Hanover	Stuart Welden	sandy loam	no-till	soybeans	191	17-May	6-Nov	32.6	202.7	208.8	4
Mason	Tony Igl	loam	no-till	soybeans	190	20-May	8-Nov	32.8	228.1	173.8	14
Reading	Tom Schroeder	loamy sand	conventional	soybeans	185	17-May	4-Nov	32.6	243.6	186.1	17
Riga	Bill Bierman	clay loam	no-till	soybeans	220	12-May	8-Nov	33.0	225.8	189.3	13
									MISO	173.6	15

Site Description: INNO *(See corn results table on page 8)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average Stand × 1,000	Average Yield	Yield History Bu/A	Yield History Years
Fort Wayne	John Kurtz	silty clay loam	conventional	soybeans	193	13-May	21-Oct	32.3	264.2	–	new site
Howe	Carl Quirin	sandy loam	conventional	soybeans	150	15-May	4-Nov	33.1	217.8	179.5	11
Valparaiso	Jeff Herrold	sandy loam	no-till	soybeans	167	28-Apr	14-Oct	32.7	222.9	192.5	4
Wabash	Andy Prickett	silt loam	conventional	soybeans	200	23-May	11-Nov	33.0	197.3	201.4	4
Wolcott	Troy Furrer	loam	strip till	soybeans	200	28-Apr	10-Oct	33.4	253.4	206.6	17
									INNO	186.6	21

Site Description: OHNW *(See corn results table on page 9)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average Stand × 1,000	Average Yield	Yield History Bu/A	Yield History Years
Archbold	John King	sandy loam	conventional	soybeans	180	13-May	27-Oct	32.9	260.6	246.8	6
Caledonia	Gerald Seckles	silty clay loam	no-till	soybeans, rye cover crop	175	14-May	2-Nov	33.0	243.8	204.1	15
Dola	Jerry McBride	silty clay loam	no-till	soybeans	186	14-May	28-Oct	32.6	242.0	186.0	5
McComb	Lee Newcomer	silty clay loam	conventional	soybeans	220	25-May	3-Nov	32.4	244.0	191.6	10
Tiffin	Joe Steyer	sandy loam	conventional	wheat	202	2-May	1-Nov	31.1	257.7	207.0	12
									OHNW	186.0	19

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2018–2022

FIRST Region	Average Yield by Year (Bu/A) 2022	2021	2020	2019	2018	Since Inception Bu/A	#Years
MITH	220.9	241.1	–	173.8	212.8	194.0	10
MISO	222.5	210.3	184.9	174.2	201.0	173.6	15
INNO	231.0	208.8	203.7	182.0	200.0	186.6	21
OHNW	249.6	242.5	191.4	244.9	230.1	186.0	19

For more yield results visit www.firstseedtests.com
FIRST does not make product endorsements.

Corn Results: MITH *(See site description on page 5)*

ALL-SEASON TEST | 93–103 Day CRM | Top 30 of 48 tested — **Results in BOLD are significantly above test average.**

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Brown City	Decker	Midland	Reese	Silverwood
Dairyland	DS-4219AM	AM	102	**239.8**	19.7	1	$1,578	1	234.5	**239.2**	**234.8**	235.8	**254.8**
Renk	RK590VT2P	VT2P	98	**236.4**	18.6	8	$1,566	2	**245.6**	225.5	**226.2**	234.0	**250.7**
Dyna-Gro	D40VC41RIB	VT2P	100	**235.3**	19.6	1	$1,550	9	240.2	227.0	**227.2**	234.2	**247.8**
Legacy	LC474-20	TRE	97	**235.1**	18.3	1	$1,560	4	**243.7**	**235.5**	**227.8**	220.1	**248.4**
M & W Seeds	MW 97A VT2P	VT2P	97	**235.1**	17.7	1	$1,566	3	**245.8**	**239.3**	219.7	232.1	238.4
M & W Seeds	45V21	VT2P	103	**234.9**	19.1	5	$1,552	7	**245.2**	226.9	218.5	**238.5**	245.8
Renk	RK600VT2P	VT2P	100	**234.3**	19.8	3	$1,540	10	242.1	**231.7**	211.7	**239.7**	246.3
Pioneer	P9823Q GC	QR	98	**234.0**	17.8	2	$1,558	5	242.7	228.7	208.9	**242.4**	**247.5**
Integra	4993 TRERIB	TRE	99	**234.0**	18.1	2	$1,555	6	231.5	227.6	**234.2**	226.3	**250.4**
Rob-See-Co	D98-43	TRE	98	**233.1**	17.9	5	$1,551	8	235.2	**241.7**	**234.6**	211.7	242.6
Dyna-Gro	D36VC66RIB	VT2P	97	230.5	18.4	1	$1,530	11	241.5	220.7	212.0	233.0	245.5
Renk	RK579DGVT2P	VT2PDG	99	230.0	18.2	2	$1,528	12	**247.3**	229.1	222.2	218.3	233.4
M & W Seeds	46T29	VT2P	99	229.1	17.8	1	$1,526	13	242.3	216.5	215.3	236.4	235.3
Legacy	LC-4248 SS	STX	100	228.7	19.1	3	$1,512	16	216.3	231.1	**239.3**	237.7	219.3
Dairyland	DS-3900AM	AM	99	228.2	18.8	1	$1,510	18	239.1	222.9	213.2	223.1	242.7
Legacy	LC451-21	VT2P	95	228.0	17.6	4	$1,520	14	**243.5**	229.4	216.2	226.0	224.8
Integra	4601 VT2PRIB	VT2P	96	227.5	18.1	2	$1,511	17	**247.6**	222.6	208.3	229.8	229.0
Renk	RK597SSPRO	STXP	99	227.3	17.8	2	$1,512	15	**251.7**	**231.8**	189.6	225.9	237.5
Augusta	A2050 VT2P	VT2P	100	226.9	19.2	2	$1,497	19	243.0	218.7	217.8	**239.4**	215.5
Dairyland	DS-3727AM	AM	97	224.7	18.7	2	$1,487	22	**244.7**	**234.6**	201.8	206.8	235.7
Dairyland	DS-4018AM	AM	101	224.4	19.1	2	$1,482	23	227.5	**242.5**	205.8	226.9	219.2
Rob-See-Co	RC4518-VT2P	VT2P	94	224.1	17.8	6	$1,492	20	238.6	**231.6**	193.3	219.2	237.9
Legacy	LC-5217 SS	STX	102	223.9	19.0	3	$1,480	25	226.6	214.2	222.6	222.4	233.7
Dyna-Gro	D34VC93	VT2P	94	223.6	17.7	2	$1,489	21	236.9	229.2	190.5	233.2	228.1
Renk	RK615SSTX	STX	102	223.6	20.1	1	$1,469	29	220.1	220.0	220.3	**239.9**	217.7
Integra	5052 VT2PRIB	VT2P	100	223.0	18.7	1	$1,476	26	234.2	226.6	193.8	223.8	236.6
Dairyland	DS-4014Q	QR	100	222.9	19.2	5	$1,471	28	**244.8**	213.1	199.2	236.6	220.7
M & W Seeds	MW 98A TRE	TRE	98	222.8	18.0	1	$1,481	24	228.3	220.7	209.9	219.4	235.5
Renk	RK561DGVT2P	VT2PDG	95	221.3	17.8	2	$1,473	27	232.2	211.5	206.8	220.4	235.6
Golden Harvest	G97A36-V	V	97	220.9	18.1	1	$1,469	30	237.6	220.7	195.5	237.1	213.9
Averages =				221.1	18.5	3	$1,466		232.5	213.9	205.1	225.3	228.4
LSD (0.10) =				10.8	0.4	4.9			10.5	17.6	19.7	12.7	18.1

Corn Results: MISO *(See site description on page 5)*

EARLY-SEASON TEST | 97–103 Day CRM | Top 30 of 48 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Charlotte	Hanover	Mason	Reading	Riga
Dyna-Gro	D43VC81RIB	VT2P	103	**241.0**	17.1	1	$1,610	1	**230.8**	219.7	**248.8**	269.9	**235.9**
FS InVision	FS 5098V RIB	VT2P	100	**236.9**	16.9	2	$1,586	2	222.9	**230.9**	226.9	268.0	**235.9**
Augusta	A2050 VT2P	VT2P	100	**234.7**	16.7	1	$1,573	3	**228.2**	**233.5**	232.8	249.4	229.6
Specialty	30DT192	TRE	100	**233.7**	16.9	1	$1,564	4	222.7	218.6	224.5	264.4	**238.2**
Dairyland	DS-4219AM	AM	102	**232.9**	17.5	1	$1,553	6	215.9	212.2	229.1	266.9	**240.3**
Rob-See-Co	D98-43	TRE	98	232.1	16.5	1	$1,557	5	**234.7**	205.6	227.4	265.5	227.2
Rob-See-Co	D01-90	VT2P	101	232.0	16.8	1	$1,553	7	222.9	206.4	**241.3**	260.3	229.0
M & W Seeds	MW 103A VT2P	VT2P	103	231.2	17.2	2	$1,544	9	218.4	208.0	**237.4**	258.9	233.5
Renk	RK600VT2P	VT2P	100	231.1	16.6	1	$1,549	8	**224.9**	217.7	226.5	262.2	224.3
Specialty	33D552	VT2P	103	231.0	17.9	1	$1,537	14	215.3	221.0	229.0	255.1	**234.9**
Wyckoff	2210 SS RIB	STX	102	230.5	17.2	1	$1,540	10	216.7	**224.3**	231.1	253.0	227.3
Legacy	LC-4248 SS	STX	100	230.2	17.1	1	$1,539	12	218.6	217.8	232.2	265.0	217.6
Wyckoff	2300 DGVT2P RIB	VT2PDG	103	230.1	16.9	1	$1,538	13	208.4	204.9	235.0	267.3	**234.7**
Dairyland	DS-4018AM	AM	101	229.8	17.2	1	$1,536	17	**225.3**	196.0	231.7	268.4	227.9
FS InVision	FS 4927T RIB	TRE	99	229.5	16.4	1	$1,539	11	208.0	213.5	226.1	**273.5**	226.7
Wyckoff	2250 VT2P RIB	VT2P	101	229.5	16.8	1	$1,536	15	212.0	212.7	229.4	267.8	225.8
M & W Seeds	45V21	VT2P	103	229.2	16.7	1	$1,536	16	216.8	**221.3**	228.2	253.7	226.2
Rob-See-Co	D99-08	VT2P	99	229.0	16.9	1	$1,532	18	222.8	204.6	231.8	265.1	220.5
Dairyland	DS-3900AM	AM	99	228.8	17.1	1	$1,530	20	**224.2**	206.9	233.2	257.1	222.8
Integra	5280 VT2PRIB	VT2P	102	227.4	17.1	1	$1,520	22	217.5	187.5	230.3	262.8	**239.1**
Legacy	LC-5319	STX	103	227.1	17.4	1	$1,515	24	216.0	203.9	223.1	256.6	**236.1**
Renk	RK615SSTX	STX	102	227.1	17.2	1	$1,517	23	205.3	199.1	234.9	265.7	230.8
Wyckoff	2170 TRE RIB	TRE	98	226.9	16.4	1	$1,522	21	200.3	216.0	230.9	257.7	229.9
Rob-See-Co	RC5134-PCE	PC	101	226.4	17.5	1	$1,510	27	212.4	**226.7**	227.8	237.6	227.6
Specialty	27D728	VT2P	97	225.8	16.4	1	$1,515	25	207.6	204.8	225.7	**270.6**	220.4
Renk	RK579DGVT2P	VT2PDG	99	225.3	16.4	2	$1,511	26	216.4	209.5	217.8	257.6	225.3
Renk	RK597SSPRO	STXP	99	224.8	16.4	2	$1,508	28	213.8	198.4	235.1	259.3	217.4
FS InVision	FS 5115X RIB	STX	101	224.5	17.1	1	$1,501	31	208.3	210.0	216.9	262.6	224.9
M & W Seeds	46T29	VT2P	99	224.1	16.3	1	$1,504	29	208.0	211.4	230.7	243.2	227.3
M & W Seeds	MW 98A TRE	TRE	98	224.0	16.4	1	$1,503	30	210.1	207.7	222.3	245.9	234.1
Pioneer	P0035AM CK	AM	100	229.5	17.4	1	$1,531	19	217.9	212.3	224.1	263.0	230.3
Averages =				225.8	17.0	1	$1,510		213.1	206.5	227.7	257.2	224.3
LSD (0.10) =				6.7	0.3	0.7			10.8	14.5	7.7	12.8	10.2

FULL-SEASON TEST | 104–107 Day CRM | Top 30 of 36 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Charlotte	Hanover	Mason	Reading	Riga
Renk	RK710DGVT2P	VT2PDG	107	**227.3**	18.1	1	$1,510	1	213.8	205.9	234.8	**252.3**	229.6
Renk	RK715SSTX	STX	105	**226.5**	17.9	1	$1,507	3	205.8	200.2	**241.2**	**249.2**	236.3
Wyckoff	2483 VT2P RIB	VT2P	105	**225.7**	17.1	1	$1,509	2	217.3	**211.5**	224.8	**245.2**	229.9
Wyckoff	2582 VT2P RIB	VT2P	107	**225.7**	17.9	1	$1,501	4	212.9	205.7	226.8	241.7	**241.5**
FS InVision	FS 5594X RIB	STX	105	224.4	17.8	1	$1,494	5	212.1	**215.6**	231.2	229.1	234.0
Integra	5719 VT2PRIB	VT2P	107	224.0	18.2	1	$1,488	8	219.8	204.0	229.8	234.3	232.2
M & W Seeds	44V42	VT2P	107	223.8	18.1	3	$1,487	9	204.4	**213.3**	228.7	239.5	233.2
Rob-See-Co	D05-16	VT2P	105	223.7	17.4	2	$1,492	7	212.3	188.1	237.6	**250.5**	230.2
Integra	5533 STXRIB	STX	105	222.3	18.1	2	$1,477	13	197.9	208.3	235.3	232.3	237.6
FS InVision	FS 5525VDG RIB	VT2P	105	222.1	17.0	1	$1,485	10	212.0	191.5	228.5	239.9	238.5
Integra	5443 DGVT2PRIB	VT2PDG	104	221.6	17.3	1	$1,480	11	212.1	206.3	228.3	228.9	232.6
Renk	RK625DGVT2P	VT2PDG	104	221.2	17.1	1	$1,479	12	212.9	203.8	236.5	216.0	236.7
Legacy	LC554-21	VT2PDG	105	220.0	16.9	1	$1,472	14	211.3	197.5	235.4	223.1	232.8
Augusta	A4759-3111	3111	109	219.7	18.6	1	$1,456	17	215.8	**210.6**	225.1	224.0	223.3
Augusta	A3655 VT2P	VT2P	104	219.5	17.1	1	$1,467	15	210.7	201.2	236.5	212.1	236.8
Wyckoff	2515 VT2P RIB	VT2P	107	219.4	18.6	1	$1,454	19	212.1	196.5	228.4	224.3	235.9
Rob-See-Co	RC5768-VT2P	VT2P	107	219.3	18.8	1	$1,451	20	211.9	202.8	231.7	222.3	227.7
Legacy	LC541-22	STX	104	219.1	18.0	1	$1,456	16	206.4	199.0	**240.4**	227.1	222.8
Dairyland	DS-4510Q	QR	105	218.6	17.8	3	$1,456	18	217.5	183.6	237.5	211.8	**242.8**
Dairyland	DS-4567Q	QR	105	216.9	18.1	1	$1,441	21	195.4	**211.0**	223.0	221.9	233.0
Wyckoff	2440 SS RIB	STX	106	216.6	18.2	2	$1,438	23	198.4	206.3	234.6	210.3	233.5
Pioneer	P0720Q GC	QR	107	215.5	19.0	1	$1,424	28	210.8	193.4	224.4	215.1	233.8
Specialty	37D832	VT2P	107	215.4	18.6	1	$1,426	26	190.7	198.9	231.0	227.3	229.0
Specialty	34D651	VT2P	104	215.3	17.1	1	$1,439	22	205.9	199.4	230.4	233.4	207.5
Dyna-Gro	D47SS93	STX	107	215.2	18.0	1	$1,430	25	198.4	186.3	235.8	226.7	228.6
Dyna-Gro	D44DC73RIB	VT2PDG	104	214.4	17.2	1	$1,432	24	217.7	183.6	227.5	218.4	224.9
Legacy	LC564-20	PC,E	106	213.9	17.9	1	$1,423	29	**224.2**	198.0	228.1	206.2	213.3
Wyckoff	2335 SS RIB	STX	104	213.6	17.4	1	$1,425	27	216.1	186.3	227.1	226.9	211.5
Golden Harvest	G07G73-D	D	107	212.4	18.6	1	$1,407	30	193.3	200.8	222.2	224.0	221.8
FS InVision	FS 5725X RIB	STX	107	209.7	17.8	2	$1,395	31	205.8	183.8	233.8	222.8	202.2
Pioneer	P0035AM CK	AM	100	224.1	17.7	1	$1,493	6	**221.2**	207.7	237.4	220.2	233.9
Averages =				217.7	17.9	1	$1,448		208.4	198.1	229.0	225.3	227.9
LSD (0.10) =				7.3	0.4	2.2			12.8	11.7	10.3	18.2	11.7

Corn Results: INNO *(See site description on page 6)*

EARLY-SEASON TEST | 103–108 Day CRM | Top 30 of 40 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Fort Wayne	Howe	Valparaiso	Wabash	Wolcott
Renk	RK774VT2P	VT2P	108	**245.9**	17.9	1	$1,635	2	**279.5**	218.4	**232.6**	**218.8**	**280.3**
Purple Ribbon	23A08	VT2P	108	**245.0**	19.0	1	$1,618	3	**281.0**	219.4	**230.4**	**228.5**	**265.6**
Integra	5443 DGVT2PRIB	VT2PDG	104	**244.2**	16.8	1	$1,635	1	**281.7**	**230.4**	217.7	216.2	**275.2**
Integra	5802 VT2PRIB	VT2P	108	**242.3**	18.2	1	$1,609	4	268.6	228.1	227.3	214.2	**273.6**
Wyckoff	2584 VT2P RIB	VT2P	108	**241.8**	18.7	1	$1,600	5	272.1	217.6	**232.2**	**218.0**	**269.0**
Dairyland	DS-4510Q	QR	105	**240.3**	17.8	1	$1,599	6	**284.7**	214.1	**230.8**	212.7	259.0
Specialty	37D832	VT2P	107	239.7	18.2	1	$1,591	7	**286.0**	217.8	221.4	197.2	**276.1**
FS InVision	FS 5815V RIB	VT2P	108	238.7	17.9	1	$1,588	8	**285.3**	**230.1**	225.7	207.4	245.1
Wyckoff	2632 SS RIB	STX	108	238.3	18.7	1	$1,577	14	259.7	**230.6**	**231.7**	203.9	**265.7**
Ebberts	7209TR RIB	TRE	108	237.8	18.3	1	$1,577	13	**279.7**	217.5	216.1	212.9	262.9
Augusta	A1359 VT2P	VT2P	108	237.7	18.8	1	$1,572	15	271.8	219.9	228.8	202.9	**265.3**
Dyna-Gro	D45TC55	TRE	105	237.2	17.2	1	$1,584	10	266.8	**232.8**	227.2	203.3	255.8
Pioneer	P0035AM GC	AM	100	236.6	17.3	1	$1,580	12	**281.7**	222.6	**231.5**	203.3	244.0
Specialty	38D871	VT2P	108	236.4	18.5	1	$1,566	17	275.4	227.3	213.1	204.1	261.9
FS InVision	FS 5525VDG RIB	VT2P	105	236.3	16.6	1	$1,584	9	265.4	**230.2**	214.1	**216.6**	255.2
Wyckoff	2583 TRE RIB	TRE	108	235.5	18.1	1	$1,564	18	270.4	225.6	224.6	199.1	257.9
Dairyland	DS-4878AM	AM	108	235.4	18.3	1	$1,561	20	275.5	204.8	**229.4**	205.0	262.2
Dyna-Gro	D48SS50RIB	STX	108	235.2	18.5	1	$1,558	21	265.1	222.9	228.7	192.5	**266.9**
Specialty	33D552	VT2P	103	235.1	17.4	1	$1,569	16	276.7	226.6	209.1	208.6	254.3
Dyna-Gro	D48VC84	VT2P	108	234.9	18.1	1	$1,561	19	255.7	227.2	**232.8**	207.9	251.0
Great Heart	HT-6822VT2P	VT2P	108	234.0	18.0	1	$1,556	22	**278.5**	**231.1**	228.0	198.1	234.7
Renk	RK710DGVT2P	VT2PDG	107	233.3	17.7	1	$1,553	23	273.1	226.1	216.3	200.5	250.7
Ebberts	6138VT2P RIB	VT2P	108	232.9	18.2	1	$1,545	26	271.2	221.7	219.9	198.3	253.2
Wyckoff	2515 VT2P RIB	VT2P	107	232.7	17.9	1	$1,548	25	256.6	**229.9**	225.3	193.1	258.6
Integra	5719 VT2PRIB	VT2P	107	232.4	17.5	1	$1,549	24	268.1	216.9	219.1	199.6	258.5
Renk	RK700SSTX	STX	108	231.0	18.1	1	$1,534	27	274.3	214.9	211.3	206.0	248.7
Wyckoff	2440 SS RIB	STX	106	229.8	17.6	1	$1,531	29	267.3	208.3	212.8	**221.8**	238.9
Augusta	A4759-3111	3111	109	229.0	17.6	1	$1,527	30	258.8	223.3	213.7	212.6	236.7
Dyna-Gro	D43VC81RIB	VT2P	103	228.9	16.9	1	$1,532	28	251.7	224.4	224.2	202.8	241.2
FS InVision	FS 5725X RIB	STX	107	227.7	17.3	1	$1,519	31	260.5	220.3	220.8	186.4	250.6
Pioneer	P0720Q CK	QR	107	238.2	18.2	1	$1,582	11	269.1	214.7	225.3	211.5	**270.7**
Averages =				232.4	18.0	1	$1,545		266.0	219.2	220.5	203.1	253.2
LSD (0.10) =				7.7	0.5	ns			12.3	9.4	8.6	13.4	10.3

FULL-SEASON TEST | 109–112 Day CRM | Top 30 of 40 tested — Results in BOLD are significantly above test average.

Wyckoff	2679 DGVT2P RIB	VT2PDG	112	**248.3**	20.7	2	$1,621	1	**277.6**	**226.7**	**241.6**	**226.1**	**269.3**
FS InVision	FS 6017V RIB	VT2P	110	**243.8**	18.5	1	$1,615	2	276.5	**231.5**	229.1	**214.3**	**267.5**
Ebberts	6883DGVT2P RIB	VT2PDG	112	**240.6**	20.1	1	$1,578	4	269.3	**224.6**	230.2	205.0	**273.9**
Specialty	39G569	VT2PDG	109	**239.1**	18.6	1	$1,582	3	**288.3**	**228.2**	228.0	193.3	257.6
Specialty	42D843	VT2P	112	**238.9**	21.3	2	$1,554	7	268.1	**225.0**	228.6	200.1	**272.4**
Wyckoff	2711 VT2P RIB	VT2P	112	**238.2**	21.1	1	$1,552	9	**280.7**	218.5	231.1	192.4	**268.5**
Dairyland	DS-5095AM	AM	110	237.4	19.8	1	$1,560	5	270.9	219.8	233.0	204.5	259.0
Augusta	A1961 TRE	TRE	111	235.8	19.0	1	$1,557	6	276.0	223.2	227.8	195.0	257.1
FS InVision	FS 6194V RIB	VT2P	111	235.1	18.9	1	$1,553	8	267.1	219.9	232.0	199.7	256.6
Ebberts	6220VT2P RIB	VT2P	110	234.7	19.4	1	$1,546	10	262.0	217.5	229.1	**208.7**	256.0
Wyckoff	2669 SS RIB	STX	111	234.3	20.6	2	$1,531	13	273.9	220.0	**234.8**	193.2	249.6
Specialty	41A392	STX	111	233.6	19.6	1	$1,537	11	258.4	216.7	229.9	203.8	259.2
Wyckoff	2678 VT2P RIB	VT2P	111	232.7	20.0	1	$1,527	16	262.7	223.5	232.0	189.8	255.6
Specialty	41DT911	TRE	111	232.6	19.2	1	$1,533	12	267.0	223.8	217.4	193.0	262.0
FS InVision	FS 6025X RIB	STX	110	232.6	19.9	4	$1,529	15	264.3	221.5	225.9	200.8	250.3
ProHarvest	82P29 VT2PRIB	VT2P	112	231.0	20.1	1	$1,514	19	273.4	222.0	222.4	185.3	251.8
Great Heart	HT-7148TRE	TRE	111	230.5	20.3	1	$1,508	22	252.5	222.1	**237.6**	175.1	**265.1**
Great Heart	HT-7044VT2P	VT2P	110	230.4	19.2	1	$1,519	18	256.6	223.5	232.4	176.4	262.9
Dairyland	DS-5250AM	AM	112	229.9	19.6	1	$1,512	20	267.2	213.3	223.6	188.6	257.0
Purple Ribbon	23A09	VT2P	109	229.8	18.6	1	$1,521	17	261.9	222.9	223.5	193.6	247.2
ProHarvest	79P87 SSRIB	STX	109	229.5	19.3	1	$1,512	21	248.8	209.6	229.0	**207.3**	253.0
Purple Ribbon	23A12	VT2PDG	112	229.5	21.0	2	$1,495	25	256.2	219.9	226.4	185.9	259.1
Ebberts	7722TR RIB	TRE	112	227.8	19.3	1	$1,501	23	268.8	219.2	221.8	181.9	247.4
Augusta	A7162 VT2P	VT2P	112	227.7	20.2	2	$1,492	27	256.1	221.9	229.2	178.4	252.8
NK Brand	NK1082-DV	DV	110	227.2	19.4	1	$1,496	24	260.2	213.0	227.7	191.9	243.0
Dairyland	DS-5144Q	QR	111	226.5	19.2	1	$1,494	26	**278.1**	203.0	215.6	195.8	240.2
Dairyland	DS-5279Q	QR	112	225.4	20.6	1	$1,474	30	**279.3**	203.3	229.2	173.8	241.5
NK Brand	NK1188-D	D	111	224.9	19.1	1	$1,484	28	255.6	209.2	221.5	189.5	248.7
Wyckoff	2667 DGVT2P RIB	VT2PDG	111	224.6	20.5	1	$1,470	31	210.1	**230.1**	**235.0**	184.9	262.8
Renk	RK801SSTX	STX	110	224.4	19.0	1	$1,482	29	255.2	205.2	217.2	188.2	256.2
Pioneer	P0720Q CK	QR	107	230.8	18.4	1	$1,530	14	258.8	204.3	233.9	**208.7**	248.1
Averages =				229.9	19.7	1	$1,511		263.1	216.5	225.2	190.9	254.1
LSD (0.10) =				8.1	0.6	0.8			13.7	7.5	9.1	15.2	10.7

Corn Results: OHNW *(See site description on page 6)*

EARLY-SEASON TEST | 103–108 Day CRM | Top 30 of 32 tested — Results in BOLD are significantly above test average.

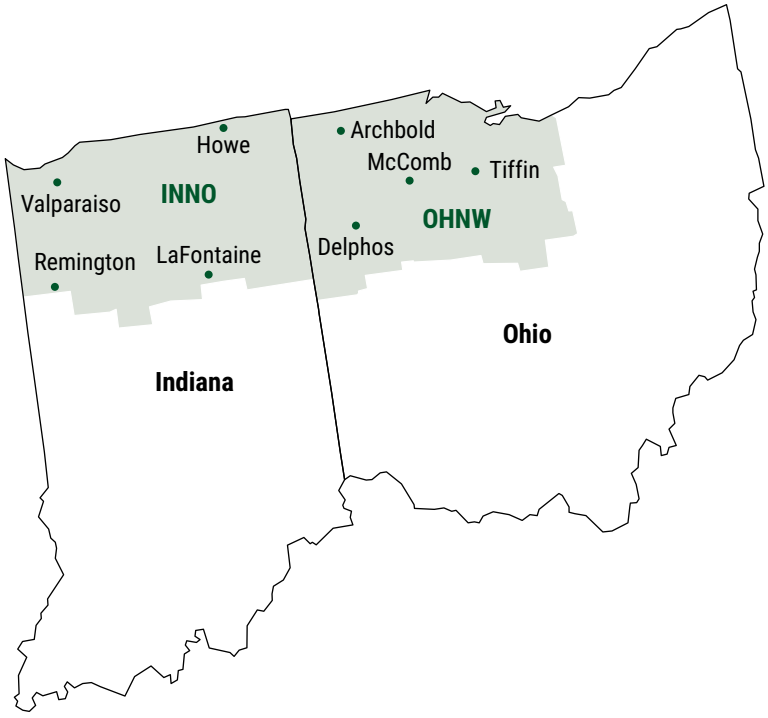
Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Archbold	Caledonia‡	Dola	McComb	Tiffin
Wyckoff	2632 SS RIB	STX	108	**259.2**	17.6	1	$1,729	1	261.8	**263.8**	249.1	240.9	**280.7**
Rob-See-Co	RC5768-VT2P	VT2P	107	**256.7**	17.0	1	$1,718	2	264.8	251.9	**254.5**	250.3	262.1
Seed Consultants	SC1042Q	QR	104	**254.2**	16.8	1	$1,703	3	**272.2**	242.5	246.2	240.1	**269.9**
FS InVision	FS 5815V RIB	VT2P	108	**254.0**	17.8	1	$1,692	6	**274.6**	252.2	247.8	231.3	264.2
Wyckoff	2515 VT2P RIB	VT2P	107	253.5	16.7	1	$1,698	4	265.1	234.5	250.4	**256.5**	261.2
Wyckoff	2583 TRE RIB	TRE	108	252.4	16.9	1	$1,690	7	263.8	234.8	248.8	243.3	**271.5**
FS InVision	FS 5725X RIB	STX	107	251.2	16.4	1	$1,687	8	266.7	**257.8**	240.5	231.8	259.0
Integra	5802 VT2PRIB	VT2P	108	250.5	17.2	1	$1,673	10	260.8	212.5	**258.9**	245.3	**274.8**
Ebberts	7209TR RIB	TRE	108	250.2	17.4	1	$1,670	12	253.3	242.1	244.7	244.9	266.1
Integra	5533 STXRIB	STX	105	250.0	16.5	1	$1,677	9	237.6	242.8	248.0	**261.2**	260.3
Ebberts	6138VT2P RIB	VT2P	108	249.3	16.6	1	$1,672	11	257.5	239.5	**254.7**	236.2	258.7
Rob-See-Co	RC6038-DV	DV	108	248.4	19.2	1	$1,641	17	262.1	228.1	**252.4**	232.3	**267.3**
Wyckoff	2584 VT2P RIB	VT2P	108	247.9	17.6	1	$1,653	14	254.9	249.1	**252.0**	228.6	255.1
Renk	RK625DGVT2P	VT2PDG	104	247.7	15.9	1	$1,667	13	267.0	235.4	242.5	249.3	244.5
Renk	RK774VT2P	VT2P	108	245.3	16.7	1	$1,644	16	246.7	247.8	236.6	235.1	260.3
FS InVision	FS 5525VDG RIB	VT2P	105	244.8	15.8	1	$1,646	15	255.4	234.0	242.5	249.6	242.6
Renk	RK710DGVT2P	VT2PDG	107	244.4	16.5	1	$1,640	18	259.9	238.6	234.1	238.3	251.4
Dyna-Gro	D45TC55	TRE	105	244.0	16.4	1	$1,638	19	260.9	222.8	249.1	232.9	254.3
Dyna-Gro	D44DC73RIB	VT2PDG	104	242.5	15.5	1	$1,634	20	263.0	225.7	233.2	241.4	249.2
Wyckoff	2440 SS RIB	STX	106	242.4	16.5	1	$1,626	22	252.3	232.4	226.4	**256.7**	244.2
Integra	5443 DGVT2PRIB	VT2PDG	104	242.1	15.8	1	$1,630	21	259.3	232.3	240.9	227.0	251.2
Seed Consultants	SC1071AM	AM	107	241.4	17.0	1	$1,615	23	265.1	206.6	231.4	236.9	**267.3**
Golden Harvest	G08R52-V	V	108	240.2	17.7	1	$1,601	25	246.0	239.8	237.6	237.6	240.1
Integra	5719 VT2PRIB	VT2P	107	239.7	16.5	1	$1,608	24	252.7	215.8	240.1	236.3	253.6
NK Brand	NK0696-D	D	106	239.3	17.8	1	$1,594	28	252.3	216.1	235.7	236.8	255.8
Renk	RK700SSTX	STX	108	238.8	17.3	1	$1,595	27	264.0	213.1	234.6	237.1	245.4
Renk	RK715SSTX	STX	105	238.3	16.5	1	$1,599	26	254.7	238.8	229.4	227.0	241.6
Rob-See-Co	RC5323-DV	DV	103	238.1	17.1	1	$1,592	29	256.4	232.0	232.1	224.9	245.1
FS InVision	FS 5829V RIB	VT2P	108	237.7	17.4	1	$1,588	31	260.6	218.8	226.3	227.7	255.2
Rob-See-Co	D05-16	VT2P	105	236.2	16.2	2	$1,588	30	246.9	236.9	229.1	225.9	242.4
Pioneer	P0720Q CK	QR	107	**254.0**	17.5	1	$1,695	5	265.4	254.8	242.9	241.1	265.8
Averages =				245.8	16.9	1	$1,646		258.5	234.8	241.6	239.1	255.0
LSD (0.10) =				8.2	0.4	ns			9.1	21.0	9.7	12.3	11.9

FULL-SEASON TEST | 109–112 Day CRM | Top 30 of 36 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Archbold	Caledonia‡	Dola	McComb	Tiffin
FS InVision	FS 6017V RIB	VT2P	110	**269.1**	17.9	1	$1,790	1	**272.0**	**273.1**	**264.1**	**264.0**	**272.3**
Wyckoff	2711 VT2P RIB	VT2P	112	**263.3**	19.9	1	$1,731	2	**270.5**	258.6	248.4	**269.1**	269.9
Seed Consultants	SC1112AM	AM	111	**261.0**	19.2	1	$1,723	3	268.7	262.3	250.3	248.4	**275.5**
Golden Harvest	G11V76-AA	AA	111	260.0	19.4	1	$1,715	5	269.4	**265.6**	241.8	248.0	**275.3**
Augusta	A1961 TRE	TRE	111	259.9	18.4	1	$1,723	4	266.5	255.7	**254.5**	257.8	264.7
Golden Harvest	G10L16-DV	DV	110	259.7	19.7	1	$1,709	6	254.0	255.3	**259.8**	**260.2**	269.0
Wyckoff	2667 DGVT2P RIB	VT2PDG	111	259.6	20.7	1	$1,699	9	268.0	252.0	**257.0**	253.8	267.4
FS InVision	FS 6025X RIB	STX	110	258.4	19.0	1	$1,708	7	266.1	**268.3**	241.7	254.1	261.7
Ebberts	6220VT2P RIB	VT2P	110	257.2	18.7	1	$1,704	8	262.8	263.6	251.8	249.8	258.4
Seed Consultants	SC1093AM	AM	109	256.5	19.7	1	$1,688	12	**271.6**	256.2	233.3	249.7	271.6
NK Brand	NK1082-DV	DV	110	256.1	19.9	1	$1,684	15	258.8	251.8	249.2	245.2	**275.6**
Dyna-Gro	D51VC67RIB	VT2P	110	255.8	19.1	1	$1,690	11	261.4	256.5	**256.5**	248.3	256.5
Dyna-Gro	D49VC53	VT2P	109	255.5	18.5	1	$1,694	10	262.3	257.5	**255.6**	242.1	259.9
FS InVision	FS 6225L1 EZR	AA	112	255.3	18.9	1	$1,688	13	262.2	234.1	**256.2**	251.9	271.9
Rob-See-Co	D12-49	VT2P	112	255.0	19.7	1	$1,678	19	254.2	257.5	245.2	254.0	264.0
NK Brand	NK1188-D	D	111	254.3	18.6	1	$1,685	14	263.7	248.9	237.7	252.0	269.2
FS InVision	FS 6194V RIB	VT2P	111	254.1	19.1	1	$1,679	18	256.6	260.1	250.0	246.9	257.1
Ebberts	7722TR RIB	TRE	112	253.9	18.6	1	$1,682	17	258.3	**269.4**	245.7	**258.8**	237.2
Seed Consultants	SC1122Q	QR	112	253.5	19.9	1	$1,667	21	263.3	258.9	234.4	249.2	261.7
Golden Harvest	G12S75-D	D	112	253.2	20.8	1	$1,656	24	**270.4**	236.2	233.0	255.9	270.6
Renk	RK805VT2P	VT2P	110	253.0	17.9	1	$1,684	16	257.0	259.9	239.5	254.9	253.9
Wyckoff	2678 VT2P RIB	VT2P	111	252.4	18.9	1	$1,670	20	259.5	235.3	240.9	250.5	**276.1**
Wyckoff	2679 DGVT2P RIB	VT2PDG	112	251.7	19.4	1	$1,659	23	**269.8**	262.2	226.6	243.2	256.6
Augusta	A4961-5122-EZ	D	111	251.0	20.9	1	$1,641	27	259.6	230.5	240.2	251.0	**274.0**
Ebberts	6883DGVT2P RIB	VT2PDG	112	251.0	18.8	1	$1,661	22	259.8	252.5	241.0	240.9	260.8
Augusta	A6262	VT2P	112	248.4	19.9	1	$1,633	29	247.8	248.0	232.7	251.1	262.2
Renk	RK821SSTX	STX	111	247.7	18.5	1	$1,642	25	257.5	253.2	234.6	245.4	247.8
Renk	RK801SSTX	STX	110	247.1	18.3	1	$1,641	26	256.3	236.2	239.0	236.0	268.3
Renk	RK830SSTX	STX	112	245.0	18.3	1	$1,626	30	254.6	253.5	238.4	240.5	237.8
Rob-See-Co	D10-16	VT2P	110	244.8	18.5	1	$1,623	31	264.2	242.5	238.4	232.9	245.8
Pioneer	P0720Q CK	QR	107	246.7	18.2	1	$1,638	28	265.2	239.3	235.4	241.9	251.5
Averages =				253.0	19.2	1	$1,670		262.3	251.5	242.2	248.3	260.3
LSD (0.10) =				7.3	0.5	ns			7.3	13.4	11.9	10.5	12.0

‡3 replications early-season test.

For more yield results visit www.firstseedtests.com
FIRST does not make product endorsements.



Site Description: INNO *(See soybean results table on page 11)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand × 1,000	Yield	Bu/A	Years
Howe	David Larimer	sandy loam	conventional	corn	–	30-May	25-Oct	110.4	66.4	63.7	10
LaFontaine	Rod Lines	silt loam	conventional	corn	–	23-May	19-Oct	130.8	52.3	51.1	1
Remington	Ron Hathaway	silt loam	conventional	corn	–	22-May	23-Oct	130.1	62.6	57.4	2
Valparaiso	Matt Goetz	sandy loam	conventional	corn	–	30-May	29-Oct	122.6	47.4	65.6	3
									INNO	**60.1**	**19**

Site Description: OHNW *(See soybean results table on page 11)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand × 1,000	Yield	Bu/A	Years
Archbold	William Shininger	loam	conventional	corn	–	4-Jun	29-Oct	129.3	65.6	62.8	3
Delphos	Steve Buettner	silty clay	conventional	corn	–	3-Jun	26-Oct	134.0	65.0	62.9	2
McComb	Lee Newcomer	silty clay loam	conventional	corn	–	25-May	–	–	lost	55.9	5
Tiffin	Joe Steyer	sandy loam	conventional	soybeans	–	25-May	24-Oct	110.7	65.6	63.5	5
									OHNW	**54.4**	**11**

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2018–2022

	Average Yield by Year (Bu/A)					Since Inception	
FIRST Region	2022	2021	2020	2019	2018	Bu/A	#Years
INNO	57.1	61.5	57.9	58.3	71.3	60.1	19
OHNW	65.4	70.2	56.11	–	52.73	54.4	11

Soybean Results: INNO *(See site description on page 10)*

ALL-SEASON TEST | MATURITY GROUP 2.4–3.4 | Top 30 of 72 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Howe	LaFontaine	Remington	Valparaiso
Dyna-Gro	S31EN91	E3	3.1	**63.1**	10.7	2	$808	71.6	**57.8**	**72.0**	50.9
Wyckoff	W2570E3	E3	2.5	**62.8**	10.6	1	$804	**73.2**	**60.8**	67.1	50.0
Xitavo	XO 3131E	E3	3.1	**62.1**	10.8	2	$796	71.1	**58.1**	67.3	**52.0**
Dairyland	DSR-3499E	E3	3.4	**62.1**	10.7	2	$795	65.4	**61.7**	**70.3**	50.9
Wyckoff	W3171E3	E3,ST	3.1	**60.8**	10.8	1	$779	**75.1**	53.4	64.5	50.4
Apex	AE2930	E3	2.9	**60.7**	10.6	2	$778	69.9	**55.8**	**68.0**	49.3
Dairyland	DSR-3365E	E3	3.3	**60.7**	10.6	2	$777	69.6	**55.4**	66.4	**51.4**
ProHarvest	3.10E+38	E3	3.1	**60.5**	10.5	2	$775	66.7	**57.3**	67.1	50.8
DONMARIO	DM28E52	E3	2.8	**60.4**	10.6	2	$773	**75.1**	50.9	63.8	**51.6**
Dyna-Gro	S33EN42	E3	3.3	59.8	10.5	2	$767	69.8	**59.1**	60.1	50.4
Partners Brand	PB3422E3 GC	E3	3.4	59.7	10.4	2	$765	63.9	**58.2**	65.7	51.0
Wyckoff	W3221E3	E3	3.2	59.5	10.7	2	$762	68.6	54.1	**71.0**	44.4
NK Brand	NK33-W2E3S	E3,ST	3.3	59.5	10.9	2	$762	66.8	52.0	**68.4**	50.8
Ebberts	E3151 E3	E3	3.1	59.3	10.9	2	$760	64.7	**56.9**	64.6	51.0
Xitavo	XO 2832E	E3	2.8	59.1	10.8	1	$757	68.2	**55.4**	63.8	49.0
Pioneer	P31T64E U	E3	3.1	59.1	10.7	2	$756	71.5	51.2	66.7	46.8
NK Brand	NK30-B2E3	E3	3.0	59.1	11.0	1	$757	68.8	53.6	64.6	49.3
FS HiSOY	HS 31E20	E3,ST	3.1	58.9	10.4	1	$755	**71.9**	55.1	61.7	47.0
Asgrow	AG27XF3 U	RXF	2.7	58.8	10.5	2	$753	70.9	49.1	**68.2**	47.1
Ebberts	E3370 E3	E3	3.2	58.5	10.4	2	$749	69.2	51.0	64.9	48.9
Dairyland	DSR-2717E	E3	2.7	58.4	10.6	2	$749	65.0	54.2	66.0	48.5
NK Brand	NK24-A2E3S	E3,ST	2.4	58.4	10.5	1	$748	**74.4**	49.6	62.1	47.4
Golden Harvest	GH3373E3S U	E3,ST	3.3	58.4	10.8	2	$748	65.7	53.2	66.4	48.2
Stine	31EF23 U	E3	3.1	58.2	10.8	1	$746	**72.6**	54.4	59.0	46.8
Xitavo	XO 3483E	E3,ST	3.4	58.1	10.9	2	$744	65.7	52.6	63.3	50.7
Apex	AE3330S	E3	3.3	58.0	10.4	1	$744	65.9	53.0	61.7	**51.6**
Golden Harvest	GH3043E3	E3	3.0	58.0	10.7	2	$743	63.5	55.1	62.6	50.9
Stine	26EF23 U	E3	2.6	58.0	10.7	1	$743	69.0	53.1	61.6	48.3
Genesis	G2570ES	E3,ST	2.5	57.5	10.5	1	$736	69.1	50.9	63.5	46.3
Dairyland	DSR-3256E	E3,ST	3.3	57.3	10.4	2	$734	62.9	53.4	**67.5**	45.4
Averages =				57.2	10.6	1	$732	66.4	52.3	62.6	47.4
LSD (0.10) =				2.8	0.4	0.7		5.3	2.9	4.8	3.8

Soybean Results: OHNW *(See site description on page 10)*

ALL-SEASON TEST | MATURITY GROUP 2.4–3.4 | Top 30 of 48 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Archbold	Delphos	McComb*	Tiffin
Stine	31EF23 U	E3	3.1	**70.7**	11.0	1	$901	**70.3**	**69.5**	–	**72.2**
FS HiSOY	HS 28E10	E3	2.8	**70.1**	11.2	1	$894	67.3	**70.7**	–	**72.4**
Xitavo	XO 2832E	E3	2.8	**69.3**	11.2	1	$883	**70.5**	**68.6**	–	68.7
Genesis	G2960E	E3	2.9	**68.3**	11.2	1	$871	**70.7**	66.4	–	67.8
Asgrow	AG28XF3 U	RXF	2.8	67.7	10.7	1	$863	**70.6**	64.0	–	68.5
Seed Consultants	SC 7302E	E3	3.0	67.5	11.1	1	$860	65.4	67.3	–	69.8
Ebberts	E2960 E3	E3	2.9	67.4	11.1	1	$860	64.6	**71.6**	–	66.1
FS HiSOY	HS 31E20	E3,ST	3.1	67.2	10.9	1	$856	66.1	66.9	–	68.5
Genesis	G2570ES	E3,ST	2.5	67.1	11.0	1	$856	66.7	67.1	–	67.5
Partners Brand	PB3422E3 U	E3	3.4	66.6	11.1	1	$850	68.5	66.1	–	65.3
NK Brand	NK30-B2E3 U	E3	3.0	66.3	11.0	1	$846	63.1	67.6	–	68.2
Ebberts	E2671 E3	E3	2.6	66.3	11.1	1	$844	64.1	64.6	–	70.0
Stine	26EF23 U	E3	2.6	66.2	11.1	1	$844	63.7	65.5	–	69.4
Ebberts	E3370 E3	E3	3.2	66.0	10.9	1	$841	67.3	65.8	–	64.9
Xitavo	XO 3483E	E3,ST	3.4	65.8	10.9	1	$839	64.8	62.9	–	69.8
Xitavo	XO 2501E	E3	2.5	65.8	11.1	2	$839	64.7	65.3	–	67.3
Golden Harvest	GH3132E3 U	E3	3.1	65.6	11.0	1	$837	66.4	65.9	–	64.6
NK Brand	NK31-M7E3	E3	3.1	65.6	11.0	1	$836	68.5	64.1	–	64.1
Stine	26EC32 U	E3	2.6	65.5	10.9	1	$836	63.3	65.0	–	68.3
Seed Consultants	SC 7322E	E3	3.2	65.5	11.0	1	$835	64.0	64.5	–	68.0
Seed Consultants	SC 7311E	E3	3.1	65.5	11.0	1	$835	63.9	67.2	–	65.3
Pioneer	P31T64E U	E3	3.1	65.5	11.1	1	$835	67.6	64.3	–	64.5
Xitavo	XO 3402E	E3	3.4	65.2	11.0	1	$832	66.7	68.2	–	60.8
Ebberts	E3151 E3	E3	3.1	65.2	11.1	1	$831	67.0	67.0	–	61.5
Golden Harvest	GH3373E3S U	E3,ST	3.3	65.1	10.9	1	$830	67.5	64.0	–	63.8
Golden Harvest	GH2818E3	E3	2.8	64.9	11.0	1	$827	63.9	65.2	–	65.6
FS HiSOY	HS 32F10	RXF	3.2	64.9	10.7	1	$827	64.5	66.3	–	63.8
NK Brand	NK33-W2E3S	E3,ST	3.3	64.8	11.1	2	$825	66.7	66.6	–	60.9
Xitavo	XO 2613E	E3	2.6	64.7	11.2	1	$825	65.0	63.5	–	65.5
Asgrow	AG33XF3 U	RXF	3.3	64.7	10.7	1	$825	64.3	63.1	–	66.6
Averages =				65.4	11.0	1	$834	65.6	65.0		65.5
LSD (0.10) =				2.9	0.2	ns		3.4	3.2		4.8

*McComb: lost to accidental mis-application of herbicide.

For more yield results visit www.firstseedtests.com
FIRST does not make product endorsements.

GET RESULTS

first

farmers' independent research of seed technologies

★★★★★

What I like about using FIRST is that it's independent research. They have no horse in the race.

Mark Uittenbogaard
Iowa farmer

★★★★★

I really like seeing what different brands, varieties, and traits do in the field.

Ed Iverson
Minnesota Farmer

★★★★★

FIRST's unbiased data tells us which corn varieties are going to perform best and in what way.

Darren Walter
Illinois Farmer

★★★★★

What Farmers say about FIRST trials

PRODUCT RESULTS

Check the complete results for each product tested in FIRST trials. Reports includes the overall wins, trial results, locations, and links to Harvest Reports and Region Summaries.

HARVEST REPORTS

See the head-to-head performance of corn and soybean seed products in the same conditions. Make informed decisions about next year's seed purchase using the most trusted independent trials in America.

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