

# first TRIALS

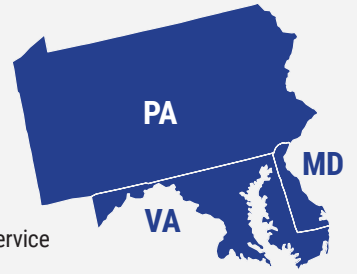
INDEPENDENT CORN AND  
SOYBEAN YIELD TESTING

## Pennsylvania & Mid-Atlantic Edition



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PACE, PASE, DMNO Corn and Soybeans



# 2023 Performance Summary

# 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.

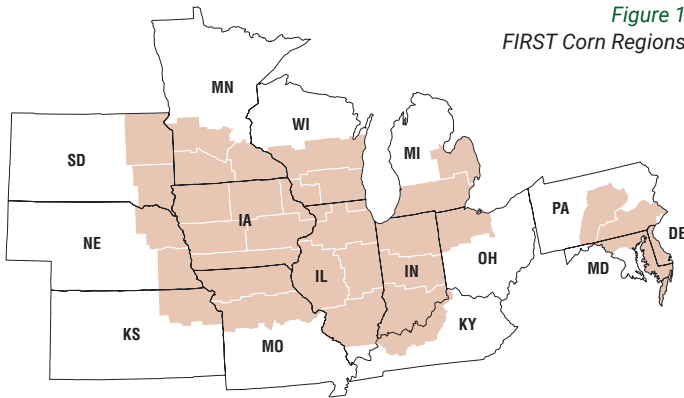


Figure 1  
FIRST Corn Regions

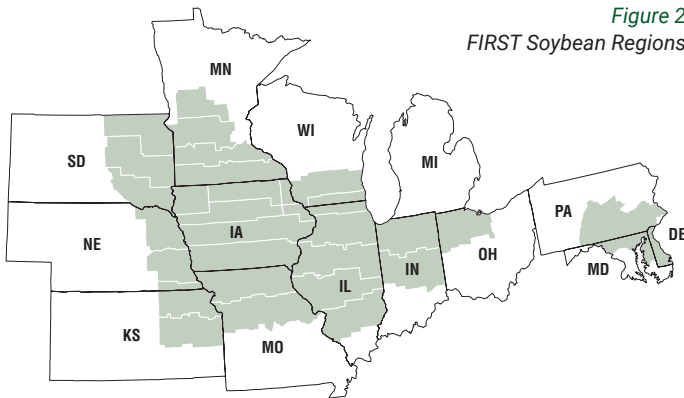


Figure 2  
FIRST Soybean Regions

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.

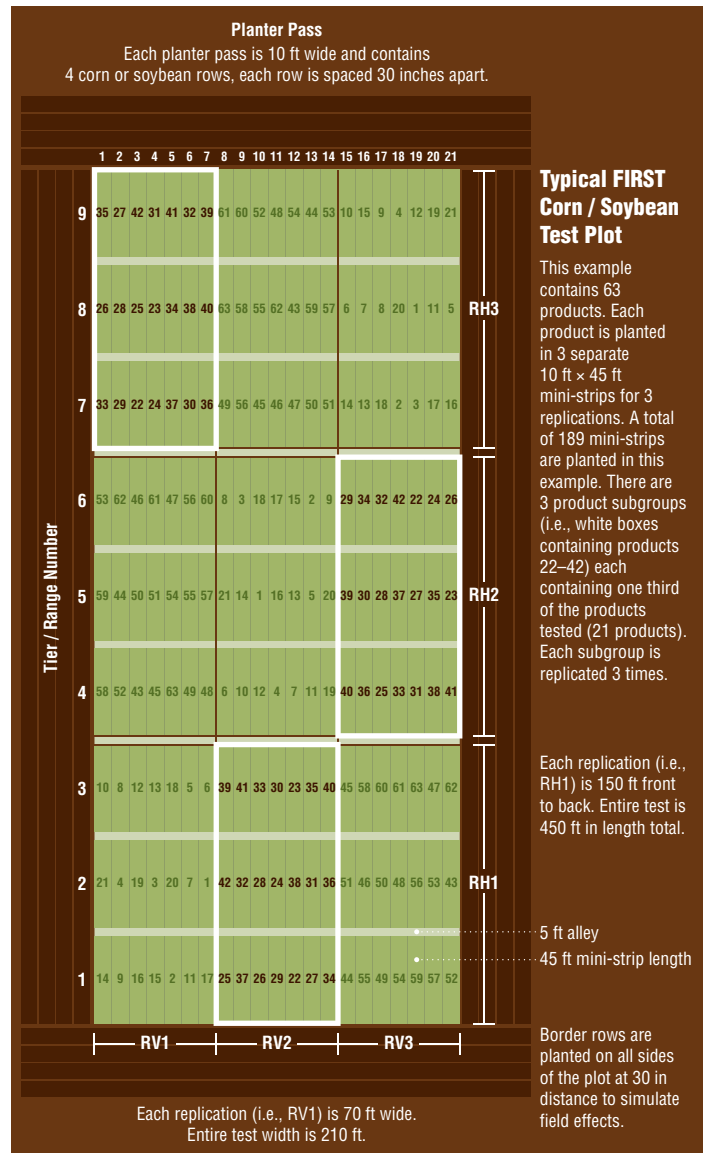
Products are replicated three times minimum per test and grouped in sub-blocks arranged in replication blocks from front to back and side to

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



## 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](http://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](http://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	Ear Lake	Oxford	Prever	Ripon	Summit
DAIRYLAND	DS-38100	QR.B	98	<b>230.2</b>	18.3	1	\$784	4	<b>264.6</b>	238.8	165.2	216.1	<b>274.5</b>
FEDERAL	4880 VT2PRB	VT2PB	98	<b>229.4</b>	17.4	1	\$784	4	<b>261.3</b>	228.1	<b>180.0</b>	<b>245.8</b>	231.8
HEFTY	H432VT2PRB	VT2PB	93	<b>229.2</b>	17.0	1	\$788	2	243.5	236.0	<b>201.3</b>	220.9	244.1
DAIRYLAND	DS-3550AM	AM.B	95	<b>227.8</b>	17.4	1	\$781	7	<b>259.3</b>	<b>242.4</b>	<b>179.5</b>	223.0	235.0
JUNG	470R429	VT2PB	97	<b>227.7</b>	16.9	1	\$782	5	<b>269.1</b>	232.1	146.2	222.5	<b>248.5</b>
NORTHSTAR	NS-98-513 STXRIB	STX.B	98	<b>227.2</b>	16.7	2	\$782	6	250.4	<b>254.9</b>	<b>174.4</b>	213.6	242.6
THUNDER	T6098 VT2P	VT2PB	98	<b>225.5</b>	17.1	1	\$775	8	251.0	232.9	164.4	<b>234.4</b>	244.6
PIONEER	P9690 GC	QR.B	96	224.3	17.0	1	\$771	10	<b>257.9</b>	230.5	<b>176.7</b>	222.7	234.0
THUNDER	T6996 VT2P	VT2PB	96	223.9	16.7	1	\$772	9	248.3	238.2	153.9	<b>226.0</b>	<b>253.3</b>
HEFTY	H4542VT2P	VT2P	95	223.1	16.1	1	\$771	11	<b>257.8</b>	238.4	155.4	215.3	<b>248.3</b>
LATHAM	LH-4657 VT2P RIB	VT2PB	96	222.6	16.8	1	\$767	12	<b>264.9</b>	236.2	153.5	222.5	236.1
HEFTY	H4612VT2P	VT2PB	96	222.3	16.6	1	\$766	13	252.9	<b>245.9</b>	150.5	<b>235.9</b>	228.0
INTEGRA	4601 VT2P	VT2P	96	222.2	16.8	2	\$765	14	244.1	231.6	152.8	<b>234.1</b>	<b>248.2</b>

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	Pomona	Warrenton		
CRENZEN	CZ-2121 GTLL GC	LLGT27	2.1	<b>68.8</b>	11.1	6	\$619	<b>72.8</b>	61.8	<b>73.9</b>	<b>66.8</b>		
FS HISSOY	HS-2488B	RRX	2.2	<b>67.6</b>	10.8	7	\$599	<b>68.1</b>	<b>70.5</b>	61.1	<b>64.8</b>		
GENESIS	G2190GL	LLGT27	2.1	<b>67.5</b>	10.9	8	\$607	<b>73.0</b>	61.7	<b>73.7</b>	61.6		
GOLDEN HARVEST	GH2230X	RRX	2.2	<b>66.8</b>	11.0	6	\$602	<b>64.7</b>	<b>66.9</b>	70.4	<b>65.3</b>		
TITAN PRO	T-20E499	E3	2.3	<b>66.6</b>	11.3	9	\$600	<b>65.3</b>	62.4	<b>72.5</b>	<b>66.5</b>		
PIONEER	P23A15X U	RRX	2.3	<b>66.6</b>	11.0	8	\$600	<b>67.9</b>	63.4	65.7	<b>69.5</b>		
CRENZEN	CZ-2040 GTLL GC	LLGT27	2.0	<b>66.4</b>	10.8	6	\$598	<b>71.7</b>	<b>65.8</b>	69.5	58.7		
GENESIS	G235FE	E3	2.5	<b>66.4</b>	11.1	8	\$598	<b>70.2</b>	62.9	68.9	63.7		
LATHAM	L-2549 R2X	RRX	2.5	<b>66.1</b>	10.8	7	\$595	<b>70.6</b>	<b>64.9</b>	67.3	61.5		
LATHAM	L-2295 R2X	RRX	2.2	<b>65.9</b>	10.6	9	\$594	<b>69.2</b>	62.9	70.4	61.2		
GENESIS	G2350E	E3	2.3	<b>65.8</b>	11.1	8	\$592	<b>64.0</b>	<b>64.2</b>	67.9	<b>67.1</b>		
DAIRYLAND	DSR-2590E	E3	2.5	<b>65.8</b>	11.6	12	\$592	<b>62.4</b>	<b>68.2</b>	69.4	63.1		
ASBROW	ASB2093 U	RRX	2.0	<b>65.7</b>	10.9	12	\$591	67.6	62.0	67.0	<b>66.2</b>		

## 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.

For more yield results visit [www.firstseedtests.com](http://www.firstseedtests.com)  
FIRST does not make product endorsements.

## 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 “S” 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.

# TECHNOLOGY CODE LEGEND

## Product Suffix Key

<b>CK</b>	Check product found in early- and full- season tests
<b>GC</b>	Grower Comparison product from farmer cooperator or field manager
<b>\$</b>	United Soybean Board sponsored entry

## Corn Seed Technology Key

CODE	DESCRIPTION
<b>3010</b>	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
<b>3011</b>	Agrisure® 3011 (CB,RW,LL,GT)
<b>3110</b>	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
<b>3111</b>	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
<b>A</b>	Agrisure® Artesian®
<b>AA</b>	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
<b>AT</b>	Agrisure® Total (CB,HXX,RW,LL,GT), formerly Agrisure® 3122
<b>AM</b>	Optimum® AcreMax® (YGCB,HX,LL,RR2)
<b>AM1</b>	Optimum® AcreMax® 1 (HXT,LL,RR2)
<b>AML</b>	Optimum® AcreMax® Leptra (Vip,YGCB,HX,LL,RR2)
<b>AMT</b>	Optimum® AcreMax® TRIsect
<b>AQ</b>	Optimum® AQUAmax®
<b>CONV</b>	conventional corn
<b>D</b>	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
<b>DV</b>	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
<b>DVZ</b>	DuracadeViptera™ Z3 (Vip,CB,VTP,RW,RW2,LL,GT), formerly Agrisure Duracade® 5332
<b>DG</b>	DroughtGard®
<b>E</b>	Enlist™ (2,4-D, glyphosate, fop tolerance)
<b>GT</b>	Agrisure® GT
<b>GTA</b>	Agrisure® GTA
<b>PC</b>	PowerCore® (HX,VT2P)
<b>PCE</b>	PowerCore® Enlist® (HX,VT2P,2,4-D)

<b>QR</b>	Qrome®
<b>RR2</b>	Roundup Ready® 2 Corn
<b>STX</b>	SmartStax® (VT3P,HXX)
<b>STXP</b>	SmartStax® PRO (VT3P,HXX)
<b>TRE</b>	Trecepta®
<b>VT2P</b>	VT Double PRO®
<b>VT4P</b>	VT4Pro™ with RNAi Technology
<b>V</b>	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
<b>VZ</b>	Viptera™ Z3 (Vip,CB,VTP,LL,GT), formerly Agrisure Viptera® 3330

## Soybean Seed Technology Key

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

## Soybean Cyst Nematode (SCN) Resistance Rating

CODE	SOYBEAN CYST NEMATODE DESCRIPTION
<b>NA</b>	information is not available
<b>S</b>	susceptible
<b>MR</b>	moderate resistance
<b>R</b>	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/2023-program-guide/](http://www.firstseedtests.com/archive/national-summary-reports/2023-program-guide/)

# CORN REGIONS: PACE, PASE, DMNO



## Site Description: PACE (See corn results table on page 6)

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
Centre Hall	Wade Wolfe	silt loam	no-till	corn	195	May 23	Nov 17	30.8	213.6	185.1	20
Danville	Rich & Stan Crone	silt loam	no-till	corn	240	May 16	Nov 16	31.1	266.7	190.2	21
Martinsburg	Jim Smith	silt loam	no-till	soybeans	175	May 15	Nov 20	29.2	236.1	183.5	22
McVeytown	Charles Groff	loam	no-till	soybeans	210	May 19	Dec 8	29.0	255.0	173.8	17
Northumberland	Scott Shoop	silt loam	no-till	soybeans	220	May 16	Nov 25	31.6	278.7	209.2	19
Ringtown	Scott Careyva	silt loam	no-till	soybeans	200	June 8	Dec 01	31.4	262.3	235.1	15
								<b>PACE</b>	<b>188.08</b>	<b>22</b>	

## Site Description: PASE (See corn results table on page 6)

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
Elverson	Jim and Joe Hertzler	loam	no-till	soybeans	201	May 6	Nov 10	28.2	259.9	205.0	23
Kutztown	Jon Stutzman	silt loam	no-till	pumpkin	263	May 22	Nov 30	32.4	280.4	217.9	21
Lebanon	Frank Graybill	silt loam	no-till	corn	195	May 10	Oct 17	30.2	179.5	205.1	21
Mechanicsburg	Daryl Alger	silt loam	no-till	soybeans	225	May 5	Oct 20	30.3	260.3	252.6	5
Mount Joy	John Conley	silt loam	no-till	corn, 2+ yr	215	May 10	Nov 01	31.9	251.8	195.1	6
Spring Grove	Jim Bange	loam	minimum	soybeans	230	May 10	Oct 25	30.6	256.9	215.6	16
								<b>PASE</b>	<b>201.12</b>	<b>22</b>	

## Site Description: DMNO (See corn results table on page 7)

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
Bridgeville	Ken Arney	loamy sand	conventional	soybeans	225	May 8	Oct 10	32.6	272.6	219.8	20
Chestertown	Tom Mason	sandy loam	no-till	corn, 2+ yr	190	May 11	Nov 1	32.1	267.1	184.0	15
Cordova	Kyle Hutchinson	loam	strip till	soybeans	260	May 8	Oct 2	31.4	274.1	—	new site
Middlestown	Bill Alfree	silt loam	conventional	soybeans	235	May 11	Oct 19	31.7	264.5	200.1	21
Princess Anne	Roger Richardson	sandy loam	minimum	soybeans	188	May 12	Oct 11	28.1	212.2	185.6	2
Warwick	Jonathan Quinn	silt loam	no-till	soybeans	200	May 17	Nov 9	31.3	269.2	181.6	22
								<b>DMNO</b>	<b>190.4</b>	<b>22</b>	

## CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2019-2023

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2023	2022	2021	2020	2019	Bu/A	#Years
<b>PACE</b>	251.9	215.7	233.0	191.2	215.0	188.08	22
<b>PASE</b>	248.5	233.7	261.4	229.6	246.8	201.12	22
<b>DMNO</b>	259.8	197.8	222.1	216.2	208.2	190.4	22



# Corn Results: PACE (See site description on page 5)

ALL-SEASON TEST | 102-112 Day CRM | Top 30 of 42 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	Centre Hall	Danville	Martinsburg	McVeytown	Northumberland	Ringtown
Augusta	A1961 TRE	TRE	111	<b>276.3</b>	19.8	2	\$1,375	1	228.6	<b>296.4</b>	249.5	<b>278.7</b>	<b>323.2</b>	<b>281.3</b>
Revere	0918 VT2PRIB	VT2P	109	<b>271.4</b>	20.0	3	\$1,350	3	222.5	<b>293.8</b>	<b>265.9</b>	<b>286.0</b>	291.7	268.3
Hubner	H0881D	VT2P	108	<b>271.1</b>	19.6	3	\$1,351	2	223.3	274.9	247.4	<b>285.5</b>	<b>302.9</b>	<b>292.7</b>
Seedway	SW 1021VT	VT2P	110	<b>268.9</b>	19.7	2	\$1,339	4	226.9	<b>294.4</b>	248.7	<b>288.2</b>	285.7	269.8
Seed Consultants	SC1093AM	AM	109	<b>268.2</b>	20.5	1	\$1,330	5	<b>242.2</b>	274.6	248.0	267.0	<b>300.0</b>	<b>277.6</b>
Seed Consultants	SC1094Q	QR	109	<b>266.7</b>	19.6	3	\$1,329	6	226.8	277.3	244.8	268.5	<b>300.9</b>	<b>282.0</b>
DeKalb	DKC62-70RIB GC	VT2P	112	<b>266.5</b>	20.6	4	\$1,321	7	225.0	<b>292.6</b>	236.8	270.4	<b>302.6</b>	271.6
Chemgro	6535RDD	VT2PDG	105	<b>261.6</b>	17.4	5	\$1,316	8	<b>246.2</b>	<b>284.6</b>	237.4	256.6	282.4	262.3
Pioneer	P1136AM GC	AM	111	<b>261.0</b>	21.2	2	\$1,289	9	222.9	270.7	229.9	<b>274.7</b>	<b>300.3</b>	267.2
Hefty	H6244	STX	112	260.2	21.0	3	\$1,287	11	<b>239.4</b>	269.7	222.8	264.7	287.4	277.4
Hefty	H6064	STX	110	259.8	20.5	4	\$1,288	10	<b>230.3</b>	271.9	241.3	260.8	285.2	269.0
Hubner	H6663RCSS	STX	113	256.9	22.1	1	\$1,265	18	212.0	265.6	237.8	266.3	287.2	272.9
Seed Consultants	SC1122Q	QR	112	256.8	20.8	2	\$1,272	16	206.9	262.8	241.0	266.8	<b>294.0</b>	268.9
Seedway	SW 0711SS	STX	107	256.3	18.0	4	\$1,286	12	198.6	<b>293.4</b>	249.1	250.5	277.4	268.8
Pioneer	P0859AM GC	AM	108	255.4	19.6	2	\$1,272	15	210.2	273.9	232.2	266.4	279.5	270.0
Chemgro	6725RDP	VT2P	107	255.0	19.1	2	\$1,273	14	225.9	251.2	245.2	249.2	267.4	<b>291.1</b>
Seed Consultants	SC1112AM	AM	111	253.8	20.4	4	\$1,259	20	227.6	275.4	224.9	252.2	<b>296.2</b>	246.2
Augusta	A2061-PWE	PCE	111	253.7	20.1	2	\$1,261	19	192.8	269.3	243.3	263.2	281.0	272.5
Revere	0707 DGV2PRIB	VT2PDG	107	253.5	19.0	1	\$1,266	17	218.9	273.5	248.7	238.2	286.0	255.7
Mid-Atlantic	MA8039VT2PRIB	VT2P	103	253.2	16.8	6	\$1,279	13	204.2	264.4	245.6	249.7	288.6	266.6
Augusta	A2262-3110	3110	112	252.4	21.2	1	\$1,248	23	199.4	274.2	231.8	246.6	291.1	271.4
Pine Creek	R6018DV GC	DV	110	251.8	20.3	5	\$1,249	22	204.1	<b>288.8</b>	210.7	250.2	292.8	264.4
Mid-Atlantic	MA6032PWE	PCE	103	250.1	17.8	4	\$1,257	21	210.1	278.7	215.7	247.2	267.6	<b>281.3</b>
Chemgro	7144PC	PCE	111	249.3	19.9	2	\$1,241	27	194.4	256.8	248.2	255.8	283.7	257.0
Seedway	SW 0987VT	VT2P	109	248.5	19.9	4	\$1,236	29	223.3	239.9	247.0	238.5	286.7	255.9
Augusta	A1954 PCE	PCE	104	247.5	17.8	3	\$1,243	24	210.3	252.5	238.9	251.8	273.0	258.4
Revere	0518 VT2PRIB	VT2P	105	247.0	17.5	4	\$1,243	25	220.9	255.9	225.9	249.1	253.9	276.1
Chemgro	6434PC	PCE	104	246.8	17.6	3	\$1,241	26	211.2	240.7	236.0	259.7	266.6	266.5
Mid-Atlantic	MA8042VT2PRIB	VT2P	104	245.9	17.5	5	\$1,237	28	<b>232.5</b>	247.6	237.5	243.9	254.4	259.5
Hubner	H0475P	STXP	104	244.4	17.3	2	\$1,231	30	209.3	258.5	229.3	244.0	271.6	253.8
Averages =				252.1	19.3	3	\$1,257		213.8	266.7	236.1	255.0	278.7	262.3
LSD (0.10) =				8.3	0.6	3.1			15.1	16.4	15.5	16.8	14.4	15.2

# Corn Results: PASE (See site description on page 5)

ALL-SEASON TEST | 105-115 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	Elverson	Kutztown	Lebanon	Mechanicsburg	Mount Joy	Spring Grove
Revere	0918 VT2PRIB	VT2P	109	<b>265.4</b>	20.0	3	\$1,345	1	<b>281.8</b>	<b>302.8</b>	194.9	269.8	260.8	<b>281.9</b>
Seedway	SW 1021VT	VT2P	110	<b>264.6</b>	20.7	2	\$1,337	2	<b>286.7</b>	<b>299.3</b>	189.5	261.6	<b>268.4</b>	<b>282.2</b>
Pioneer	P1136AM GC	AM	111	<b>262.8</b>	22.1	2	\$1,320	4	268.0	<b>296.1</b>	190.6	<b>289.7</b>	264.3	268.3
DeKalb	DKC62-70RIB GC	VT2P	112	<b>262.1</b>	21.4	3	\$1,320	5	<b>290.2</b>	<b>299.9</b>	186.2	272.0	252.1	272.1
Seed Consultants	SC1093AM	AM	109	<b>261.9</b>	21.1	2	\$1,320	6	272.4	280.3	<b>210.4</b>	257.2	<b>291.3</b>	259.7
Augusta	A1961 TRE	TRE	111	<b>261.7</b>	20.3	2	\$1,325	3	270.3	<b>297.8</b>	179.6	<b>279.1</b>	259.4	<b>283.8</b>
Hubner	H09G056	VT2PDG	109	<b>259.8</b>	21.7	2	\$1,307	7	268.5	279.6	194.0	<b>287.7</b>	255.9	273.0
Revere	1307 TCRIB	TRE	113	<b>257.4</b>	21.2	3	\$1,298	8	<b>288.4</b>	288.3	172.9	269.1	249.7	<b>276.0</b>
Hefty	H6354	STX	113	<b>256.9</b>	20.9	2	\$1,297	9	270.0	284.7	171.2	<b>282.7</b>	257.9	<b>274.8</b>
Mid-Atlantic	MA8110TRECIB	TRE	111	256.4	20.6	2	\$1,297	10	272.2	289.4	181.0	268.9	253.4	<b>273.8</b>
Seed Consultants	SC1112AM	AM	111	256.1	22.4	2	\$1,285	11	271.7	<b>314.7</b>	170.6	255.3	262.2	262.3
Mid-Atlantic	MA6148PWE	PCE	114	255.0	22.9	2	\$1,275	15	244.1	287.7	<b>209.5</b>	264.6	<b>269.8</b>	254.4
Seedway	SW 1345TR	TRE	113	254.7	21.3	3	\$1,284	12	273.0	267.5	191.5	271.8	256.4	267.8
Seed Consultants	SC1122Q	QR	112	254.7	21.8	2	\$1,280	13	260.1	279.0	190.2	<b>276.5</b>	267.9	254.2
Seed Consultants	SC1134AM	AM	113	254.6	22.2	2	\$1,278	14	246.1	292.2	<b>199.0</b>	269.7	263.7	257.1
Seedway	SW 1421VT	VT2P	114	252.0	23.2	1	\$1,259	17	272.9	287.9	168.2	268.2	<b>269.0</b>	245.8
Revere	1577 VT2PRIB	VT2P	115	251.3	21.4	2	\$1,265	16	256.1	281.2	178.6	267.7	258.5	265.9
Hubner	H1330S	STX	113	249.8	22.3	1	\$1,253	18	262.4	276.7	187.0	255.1	266.9	250.7
Hubner	H6663RCSS	STX	113	249.6	23.6	2	\$1,244	23	257.2	290.6	172.6	264.9	253.9	258.5
Hefty	H6145 TRERIB	TRE	111	248.5	22.1	3	\$1,247	21	261.5	292.6	174.1	256.6	245.8	260.2
Dyna-Gro	D53VC54RIB	VT2P	113	248.5	22.9	2	\$1,243	24	268.3	284.9	162.5	260.4	251.1	263.6
Augusta	A1365-PWE	PCE	115	247.1	23.7	2	\$1,232	29	255.0	270.3	175.6	<b>282.4</b>	241.3	258.3
Dyna-Gro	D47S93	STX	107	246.7	19.9	2	\$1,252	19	258.4	275.1	<b>198.7</b>	266.2	250.6	231.2
Dyna-Gro	D53TC23RIB	TRE	113	246.7	21.5	2	\$1,242	25	266.7	278.2	175.4	255.0	249.7	255.0
Hefty	H5655	TRE	106	246.6	19.9	4	\$1,251	20	263.6	268.5	173.1	264.9	244.5	264.9
Mid-Atlantic	MA5124VIP3110	3110	112	246.4	22.9	2	\$1,232	30	255.0	285.5	176.4	256.4	251.0	254.3
Hubner	H1139S	STX	111	246.4	22.0	2	\$1,239	26	255.5	273.2	189.2	267.0	247.3	246.2
Revere	0707 DGV2PRIB	VT2PDG	107	246.2	20.3	2	\$1,247	22	236.6	266.7	<b>208.1</b>	250.1	257.7	257.8
Chemgro	7144PC	PCE	111	245.4	21.8	2	\$1,236	27	260.2	287.1	157.5	269.0	244.5	254.4
Hefty	H5944	STX	109	243.2	20.1	1	\$1,233	28	252.6	268.4	180.1	253.9	250.4	253.9
Averages =				248.1	21.7	2	\$1,248		259.9	280.4	179.5	260.6	252.0	256.9
LSD (0.10) =				8.4	0.9	1			17.7	12.6	15.8	15.2	16.2	16.4

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

ALL-SEASON TEST | 106-116 Day CRM | Top 30 of 42 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	Bridgeville	Chestertown	Cordova	Middletown	Princess Anne	Warwick
Dyna-Gro	D56TC44RIB	TRE	116	<b>282.8</b>	19.8	11	\$1,447	1	281.0	281.4	<b>300.4</b>	278.8	<b>257.3</b>	<b>298.2</b>
DeKalb	DKC62-70RIB GC	VT2P	112	<b>271.5</b>	19.3	2	\$1,392	3	279.6	<b>294.1</b>	<b>297.0</b>	259.4	213.9	285.1
Hubner	H1880D	VT2P	118	<b>270.6</b>	21.2	25	\$1,376	7	<b>292.7</b>	254.1	287.5	278.7	226.8	284.0
Seed Consultants	SC1134AM	AM	113	<b>270.5</b>	19.8	4	\$1,384	5	264.5	273.2	283.9	<b>283.4</b>	215.7	<b>302.2</b>
Hubner	H09G056	VT2PDG	109	<b>270.2</b>	18.5	4	\$1,392	2	287.7	275.0	286.0	275.4	202.4	<b>294.9</b>
Revere	0918 VT2PRIB	VT2P	109	269.2	18.6	7	\$1,385	4	272.6	281.8	288.4	254.8	221.9	<b>295.8</b>
Hubner	H13G513	VT2PDG	113	268.9	19.4	3	\$1,379	6	<b>291.9</b>	271.2	285.6	272.8	216.7	275.0
Golden Harvest	G10B61-AA	AA	110	267.7	19.4	3	\$1,373	8	276.1	270.4	283.8	<b>288.8</b>	209.4	277.7
Dyna-Gro	D53VC54RIB	VT2P	113	267.7	19.8	2	\$1,369	9	278.6	<b>287.2</b>	274.7	249.1	219.6	<b>296.8</b>
Channel	213-19STXRIB GC	STX	113	267.1	19.9	2	\$1,366	10	251.2	279.8	<b>300.6</b>	<b>285.9</b>	206.3	278.5
Mid-Atlantic	MA8136DGV2PRIB	VT2PDG	113	266.2	20.0	3	\$1,361	12	286.5	270.6	286.1	262.9	218.1	271.0
Revere	1627 TCRIB	TRE	116	265.7	20.4	31	\$1,356	14	<b>295.6</b>	270.6	278.3	269.8	<b>242.2</b>	237.5
Augusta	A1961 TRE	TRE	111	265.1	18.7	2	\$1,365	11	271.4	251.6	284.3	278.3	228.7	276.3
Augusta	A1365-PWE	PCE	115	265.0	20.3	10	\$1,353	16	275.0	265.6	267.3	271.7	<b>249.7</b>	260.7
Mid-Atlantic	MA8110TRECRIB	TRE	111	264.4	19.0	4	\$1,358	13	285.2	270.0	281.1	266.0	194.4	289.6
Seed Consultants	SC1154AM	AM	115	264.1	20.0	4	\$1,350	17	261.1	270.1	273.0	265.7	217.7	<b>297.0</b>
Revere	1307 TCRIB	TRE	113	263.8	19.1	4	\$1,354	15	268.4	275.4	275.2	269.4	200.7	<b>293.7</b>
Axis	65W75 GC	TRE	115	263.1	20.9	31	\$1,340	19	<b>291.9</b>	260.5	286.4	279.3	229.5	231.1
Augusta	A7162 VT2P	VT2P	112	261.7	19.5	8	\$1,342	18	<b>289.9</b>	274.6	268.2	268.6	217.1	251.7
Hubner	H4763RC2P	VT2P	115	261.0	20.3	11	\$1,332	20	273.0	275.1	278.8	270.8	209.8	258.2
Augusta	A2264-PWE	PCE	114	259.1	19.7	5	\$1,327	21	263.7	271.5	268.1	265.9	210.4	275.3
Chemgro	7444PC	PCE	114	259.0	19.8	5	\$1,326	22	263.4	273.5	273.7	266.4	204.2	273.1
Seed Consultants	SC1112AM	AM	111	257.8	19.1	18	\$1,324	23	278.2	260.5	269.3	255.8	228.2	254.7
Channel	214-78DGV2PRIB GC	VT2PDG	114	257.5	19.7	9	\$1,318	24	276.8	271.7	272.9	241.3	202.4	279.9
Mid-Atlantic	MA6153PWE	PCE	115	255.6	20.3	5	\$1,305	28	271.1	266.1	274.8	255.0	210.3	256.3
Pioneer	P0859AM GC	AM	108	255.3	18.5	4	\$1,316	25	255.9	260.2	286.0	268.8	198.9	262.1
Seed Consultants	SC1094Q	QR	109	255.1	19.0	4	\$1,311	27	259.5	261.0	278.6	260.5	216.4	254.8
Mid-Atlantic	MA6094PWE	PCE	109	254.8	18.7	7	\$1,311	26	<b>293.1</b>	259.4	271.4	241.4	203.7	259.8
Mid-Atlantic	MA5124VIP3110	3110	112	254.6	19.8	5	\$1,303	30	267.8	256.4	271.5	277.7	199.8	254.4
Pioneer	P1136AM GC	AM	111	254.0	19.1	13	\$1,304	29	271.6	280.1	291.8	223.6	204.9	252.2
<b>Averages =</b>				<b>260.0</b>	<b>19.7</b>	<b>8</b>	<b>\$1,331</b>		<b>272.7</b>	<b>267.1</b>	<b>274.1</b>	<b>264.5</b>	<b>211.3</b>	<b>269.2</b>
<b>LSD (0.10) =</b>				9.6	0.4	6.6			15.9	16.4	17.7	17.9	18.6	23.5

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## Site Description: **PACE** (See corn silage results table on page 9)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average			
								Stand × 1,000	Yield (ton/ac)	Milk/Ton DM (lbs)	Milk/Ac (lbs)
Centre Hall	Wade Wolfe	silt loam	no-till	corn	225	23-May	21-Sep	28.4	25.5	21.4	14
Martinsburg	Gerald Smith	silt loam	no-till	corn, 2+ yr	215	15-May	30-Sep	31.7	33.3	23.4	17
McVeytown	Charles Groff	sandy loam	conventional	corn	200	19-May	20-Sep	26.8	26.1	17.3	1
New Bloomfield	Steve Adams	silt loam	no-till	soybeans	264	19-May	22-Sep	34.0	32.5	21.9	16

## Site Description: **PASE** (See corn silage results table on page 9)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average			
								Stand × 1,000	Yield (ton/ac)	Milk/Ton DM (lbs)	Milk/Ac (lbs)
Greencastle	Steve Rudolf	silt loam	conventional	soybeans	216	18-May	4-Sep	30.0	30.2	27.6	14
Middletown	Mel and Jeff Nissley	sandy loam	no-till	corn	—	5-May	8-Sep	28.8	31.7	—	new site
Mount Joy	Mike Brubaker	silt loam	no-till	ryegrass	198	22-May	5-Sep	30.6	24.4	22.6	17
Nottingham	Alan and Paul Mason	silt loam	no-till	corn	200	17-May	11-Sep	30.2	26.3	23.1	17





# Corn Silage Results: PACE (See site description on page 8)

Top 30 of 36 Products Tested | 105-116 Day CRM  
 Yield, Average of (12) Replications | Silage Quality / Milk Production, Average of (4) Replications

Results in **BOLD** are significantly above test average.

Company/Brand	Product/Brand <sup>†</sup>	Technology <sup>‡</sup>	CRM	Yield at 65% H2O (Tons/A)	Stand (x1,000)	Dry Matter (%)	Crude Protein (% DM)	ENERGY			FIBER			Milk/Ton DM <sup>††</sup>		Milk/Acre (Lbs.)
								Starch (% DM)	In-Situ SD 7h (%)	NEL (Mcal/lb)	NDF (% DM)	(% of NDF)	uNDF 240h (% DM)	(Lbs)	Rank	
Seed Consultants	SC1094Q	QR	109	<b>30.9</b>	30.2	31.9	8.9	38.8	65.8	0.80	34.3	58.1	10.4	3,601	1	38,921
Seed Consultants	SC1154AM	AM	115	<b>31.2</b>	31.5	31.3	<b>9.0</b>	33.0	64.9	0.76	38.5	60.0	10.6	3,503	4	38,515
Seed Consultants	SC1093AM	AM	109	<b>31.4</b>	30.6	31.2	8.5	34.4	66.8	0.76	37.8	57.7	11.2	3,464	7	38,416
Seedway	SW1162VT	VT2PB	111	30.6	29.7	33.4	8.6	37.4	62.2	0.79	35.5	57.0	10.9	3,553	2	38,211
Hubner	H6663RCSS	STX	113	<b>30.9</b>	28.8	32.0	8.5	35.5	65.7	0.78	36.9	57.3	11.1	3,481	6	37,903
Seed Consultants	SCS 1122Q	QR	112	<b>31.0</b>	30.2	30.9	8.6	35.6	63.4	0.77	38.1	56.7	12.2	3,456	9	37,760
Revere	0918 SSXRIB	STX	109	<b>31.0</b>	31.3	32.4	8.4	35.7	64.9	0.77	37.5	55.5	11.8	3,445	10	37,452
Chemgro	7539D4Z	D	115	<b>31.7</b>	30.8	32.0	8.1	33.5	64.0	0.76	39.4	55.6	12.4	3,329	25	37,024
Augusta	A1165	VT2P	115	30.1	29.9	31.8	8.6	33.6	67.5	0.77	38.3	57.2	11.8	3,405	15	36,276
Augusta	A4465	DV	115	30.6	31.1	30.1	8.8	33.1	65.6	0.76	38.9	54.9	12.2	3,323	26	35,727
Chemgro	6929RSX	STX	109	29.2	30.2	33.2	8.7	35.3	60.9	0.76	37.5	55.2	11.5	3,464	8	35,717
Seed Consultants	SCS 1112AM	AM	111	29.8	31.2	30.6	8.8	34.3	69.0	0.76	38.6	55.2	12.5	3,413	13	35,673
Mid-Atlantic	MA5124 3110	3110	112	30.4	29.7	31.7	8.6	33.1	63.1	0.74	39.2	53.9	12.7	3,331	23	35,539
Hubner	H6755RCSS	STX	114	29.6	30.3	32.1	8.2	34.5	65.8	0.76	38.9	55.3	13.3	3,407	14	35,424
Seed Consultants	SC1134AM	AM	113	29.5	30.2	31.9	<b>9.0</b>	34.3	69.1	0.76	38.2	55.9	12.0	3,401	16	35,122
Hubner	H0881D	VT2P	108	29.5	29.9	32.9	8.4	34.2	63.1	0.76	38.6	55.8	11.9	3,345	21	34,853
Mid-Atlantic	MA5103D	D	110	29.5	29.7	32.2	8.1	35.5	69.1	0.77	37.9	56.0	12.3	3,367	20	34,850
Seedway	SW 0999SS	STX	109	28.1	31.2	34.6	<b>8.9</b>	36.9	58.8	0.78	36.7	56.1	11.6	3,505	3	34,591
Hubner	H6456RCSS	STX	109	29.6	30.3	31.6	8.6	32.6	63.0	0.75	40.3	54.6	13.1	3,330	24	34,549
Chemgro	7045G2Z	AA	110	29.4	29.6	33.0	8.6	34.7	62.8	0.76	38.9	54.4	12.7	3,343	22	34,398
Revere	0518 VT2PRIB	VT2P	105	28.2	29.4	36.2	8.5	38.2	63.7	0.79	35.8	55.9	10.7	3,491	5	34,389
Augusta	A1265	DV	115	28.0	30.8	32.9	8.3	37.2	65.5	0.78	36.4	54.0	12.0	3,440	11	33,961
Mid-Atlantic	MA5168DV	DV	116	28.6	28.4	30.2	<b>8.9</b>	33.3	67.2	0.78	37.2	58.2	10.1	3,368	19	33,954
Pine Creek	R6018DV	DV	110	29.0	30.2	32.6	8.6	34.4	63.7	0.76	38.6	53.9	12.8	3,320	27	33,837
Revere	1307 TCRIB	TRE	113	29.1	29.6	32.5	8.6	32.4	64.0	0.74	40.5	54.3	13.4	3,298	30	33,439
Hubner	H0475P	STXP	104	27.5	30.4	34.2	8.9	35.7	62.3	0.77	37.6	55.7	11.6	3,433	12	33,338
Augusta	A1964	3110	114	28.4	31.3	31.0	8.9	31.8	65.6	0.75	38.9	55.9	11.5	3,301	28	33,194
Mid-Atlantic	MA6153PWE	PC	115	28.6	30.3	31.0	<b>9.0</b>	30.5	63.8	0.73	40.7	55.3	12.3	3,299	29	33,037
Revere	1524 DV	DV	115	27.1	29.6	32.5	8.3	35.0	67.8	0.77	38.4	54.9	12.7	3,373	18	32,192
Hubner	H6390RCSS	STX	108	26.2	29.6	31.2	8.6	33.8	65.0	0.76	38.9	55.5	12.3	3,400	17	31,130
<b>Average =</b>				<b>29.4</b>	<b>30.2</b>	<b>32.1</b>	<b>8.6</b>	<b>34.1</b>	<b>64.90</b>	<b>0.8</b>	<b>38.5</b>	<b>55.8</b>	<b>12.0</b>	<b>3,380</b>		<b>34,911</b>
<b>LSD(0.10) =</b>				1.3		ns	0.3	ns	ns	ns	ns	ns	ns	ns		ns

# Corn Silage Results: PASE (See site description on page 8)

Top 30 of 36 Products Tested | 113-119 Day CRM  
 Yield, Average of (9) Replications | Silage Quality / Milk Production, Average of (4) Replications

Results in **BOLD** are significantly above test average.

Company/Brand	Product/Brand <sup>†</sup>	Technology <sup>‡</sup>	CRM	Yield at 65% H2O (Tons/A)	Stand (x1,000)	Dry Matter (%)	Crude Protein (% DM)	ENERGY			FIBER			Milk/Ton DM <sup>††</sup>		Milk/Acre (Lbs.)
								Starch (% DM)	In-Situ SD 7h (%)	NEL (Mcal/lb)	NDF (% DM)	(% of NDF)	uNDF 240h (% DM)	(Lbs)	Rank	
Hubner	H1872S	STX	118	<b>31.07</b>	30.6	35.9	8.5	39.4	62.0	<b>0.79</b>	33.5	53.8	11.4	3,577	1	38,991
Mid-Atlantic	MA6153PWE	PC	115	<b>30.22</b>	30.9	36.5	8.8	37.5	63.0	0.77	35.2	54.8	11.2	3,554	2	37,565
Chemgro	7539D4Z	D	115	<b>29.98</b>	30.8	35.4	8.5	36.5	65.2	0.77	36.2	54.0	11.2	3,521	4	37,050
Seed Consultants	SC1183AM	AM	118	<b>30.49</b>	31.0	33.5	8.3	33.2	65.9	0.74	39.0	56.5	11.8	3,388	21	36,366
Revere	1839 TC	TRE	116	29.41	29.8	36.0	8.1	37.5	67.3	0.76	36.5	54.0	12.3	3,498	6	36,033
Mid-Atlantic	MA8141 SSRIB	STX	116	28.97	29.8	33.7	8.9	36.3	61.3	0.77	36.2	53.0	11.9	3,493	7	35,424
Mid-Atlantic	MA5144D	D	114	<b>29.74</b>	29.4	34.5	8.4	34.8	67.2	0.76	37.2	55.8	11.9	3,392	20	35,407
Augusta	A1165	VT2P	115	29.19	29.7	35.3	8.2	34.4	66.4	0.75	38.3	54.1	12.2	3,445	10	35,358
Seed Consultants	SC1154AM	AM	115	29.03	30.0	33.6	<b>8.9</b>	32.3	65.1	0.74	38.9	57.7	11.3	3,423	13	34,719
Seed Consultants	SC1134AM	AM	113	28.19	30.0	34.9	<b>8.9</b>	35.8	64.7	0.77	36.4	54.6	11.8	3,505	5	34,602
Mid-Atlantic	MA5168DV	DV	116	28.80	29.0	32.2	8.8	33.6	68.9	0.76	38.1	55.6	11.2	3,412	16	34,505
Seedway	SW 1421VT	VT2P	114	28.87	30.6	34.5	<b>9.0</b>	34.1	62.8	0.76	37.7	55.6	12.6	3,408	17	34,348
Revere	0918 SSXRIB	STX	109	27.59	30.5	35.7	8.4	37.3	66.1	<b>0.78</b>	35.6	55.7	11.0	3,542	3	34,270
Redtail	RT 64T39-D1	D	114	28.75	28.1	34.3	8.4	33.7	67.1	0.75	38.5	56.1	12.4	3,388	22	34,071
Seedway	SW 1579SS	STX	115	28.30	29.8	33.6	<b>9.1</b>	31.9	63.0	0.74	40.5	54.9	12.1	3,428	12	34,040
Seedway	SW 1661SS	STX	116	28.63	29.4	32.4	8.6	32.3	62.8	0.73	39.8	53.2	12.8	3,375	24	33,944
Hubner	H6663RCSS	STX	113	28.43	29.9	32.8	8.2	34.7	63.4	0.76	38.0	54.2	12.8	3,405	18	33,911
Hubner	H6755RCSS	STX	114	28.18	30.2	34.1	8.1	34.9	64.1	0.75	37.9	54.3	12.9	3,412	14	33,716
Chemgro	7789RSX	STX	117	27.80	29.7	32.3	8.5	34.4	66.2	0.76	37.6	56.0	11.5	3,453	8	33,715
Brevant	B12F08Q	QR	112	28.40	29.7	32.7	<b>9.0</b>	32.5	63.4	0.75	38.7	57.1	11.8	3,363	27	33,515
Revere	1524 DV	DV	115	27.63	29.9	34.0	8.1	36.8	70.6	<b>0.77</b>	36.5	54.7	11.8	3,450	9	33,355
Hubner	H1330S	STX	113	28.23	30.0	32.8	8.4	32.2	63.8	0.74	40.0	55.6	12.6	3,378	23	33,353
Augusta	A4465	DV	115	27.93	29.4	32.9	8.6	32.9	64.4	0.74	39.5	55.1	12.2	3,364	25	32,958
Pine Creek	R6812GT	3000GT	118	27.97	30.2	33.4	8.6	32.6	63.5	0.75	39.5	54.2	12.3	3,335	29	32,770
Chemgro	7525RDP	VT2P	115	27.76	29.3	35.2	8.6	31.6	61.0	0.74	40.6	54.7	12.8	3,362	28	32,645
Masters Choice	MCT6367-D	VT2PDG	113	27.32	29.0	32.5	8.0	33.3	65.9	0.75	39.2	56.1	11.4	3,363	26	32,218
Augusta	A2064	DV	114	26.43	29.0	33.3	7.8	34.7	68.5	0.76	38.0	56.6	11.6	3,412	15	31,650
Augusta	A1265	DV	115	26.21	30.2	35.4	8.1	37.8	69.3	<b>0.77</b>	36.4	55.0	12.1	3,432	11	31,527
Revere	1307 TCRIB	TRE	113	26.35	29.1	34.5	8.3	34.6	63.4	0.74	38.7	52.5	13.1	3,394	19	31,308
Augusta	A2067	DV	117	26.38	29.5	32.6	8.7	33.1	66.5	0.75	38.9	54.1	12.4	3,311	30	30,690
<b>Average =</b>				<b>28.1</b>	<b>29.9</b>	<b>33.9</b>	<b>8.5</b>	<b>33.9</b>	<b>65.53</b>	<b>0.75</b>	<b>38.4</b>	<b>55.1</b>	<b>12</b>	<b>3,395</b>		<b>33,547</b>
<b>LSD(0.10) =</b>				1.3	1.0	ns	0.4	ns	ns	0.02	2.7	ns	ns	ns		ns

# SOYBEAN REGIONS: PASE, DMNO



## Site Description: PASE (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
Duncannon	Glenn Ebersole	silt loam	conventional	corn	–	June 5	Nov 07	139.9	66.1	59.4	4
Martinsburg	Marcus Martin	silt loam	no-till	corn, 2+ yr	–	May 15	Nov 06	131.9	63.8	61.7	10
Mount Joy	Curt & Mike Buckwalter	silt loam	minimum	corn	–	May 24	Oct 28	140.0	58.4	72.0	9
Northumberland	Scott Shoop	loam	no-till	corn	–	May 30	Nov 04	140.0	59.4	58.4	10
								<b>PASE</b>	<b>61.4</b>	<b>10</b>	

## Site Description: DMNO (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
Chestertown	Tom Mason	silt loam	no-till	corn	45	May 25	Oct 26	139.9	60.0	55.3	7
Preston	Roger Schmick	loamy sand	no-till	corn	–	May 25	Oct 30	148.4	74.1	58.8	14
Princess Anne	Kevin Anderson	silt loam	no-till	corn	–	May 26	Nov 3	139.9	69.1	66.0	3
Upperco	Doug Armacost	loam	no-till	corn	–	May 31	Nov 08	140.0	69.5	44.9	2
								<b>DMNO</b>	<b>60.0</b>	<b>10</b>	

## SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2019–2023

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2023	2022	2021	2020	2019	Bu/A	#Years
PASE	61.8	63.9	71.4	70.5	61.2	61.4	10
DMNO	68.1	56.6	63.1	65.6	53.9	60.0	10

## Soybean Results: PASE (See site description on page 10)

ALL-SEASON TEST | MATURITY GROUP 2.8-3.8 | Top 30 of 54 tested

Results in **BOLD** are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Duncannon	Martinsburg	Mount Joy	Northumberland
Stine	37EG23 §	E3	3.7	<b>73.0</b>	11.9	6	\$935	<b>76.6</b>	<b>76.4</b>	64.3	<b>74.7</b>
Stine	38EG32 §	E3	3.8	<b>71.0</b>	11.8	8	\$909	<b>72.3</b>	69.0	<b>69.1</b>	<b>73.7</b>
Xitavo	XO 3483E	E3	3.4	<b>69.1</b>	11.8	8	\$885	<b>72.6</b>	<b>73.4</b>	61.7	<b>68.5</b>
Seedway	SG 3723E3	E3	3.7	<b>68.7</b>	11.8	6	\$879	69.5	70.1	<b>69.9</b>	65.4
Hubner	H35-31XF	RXF	3.5	<b>68.0</b>	11.9	7	\$871	69.1	<b>72.0</b>	60.9	<b>70.0</b>
Pioneer	P38A28E §	E3	3.8	<b>67.7</b>	11.8	17	\$867	<b>71.9</b>	65.2	62.8	<b>70.9</b>
Pioneer	P34A65PR §	P	3.4	67.1	11.6	3	\$859	63.5	63.6	64.0	<b>77.5</b>
Innotech	IS3750E3S	E3,ST	3.7	66.5	11.6	10	\$851	67.6	66.7	<b>67.4</b>	64.3
Hubner	H38-43XF	RXF	3.8	66.1	11.9	7	\$846	66.7	65.0	62.7	<b>69.9</b>
Asgrow	AG33XF3 §	RXF	3.3	66.0	11.9	14	\$846	69.6	<b>73.6</b>	57.9	62.9
Seedway	SG 3323E3	E3	3.3	65.7	12.3	13	\$841	68.2	70.0	57.9	<b>66.6</b>
Chemgro	C3657E	E3	3.6	65.6	11.8	10	\$841	70.3	<b>73.3</b>	63.6	55.4
Xitavo	XO 3224E	E3	3.2	65.5	12.1	11	\$840	66.2	68.0	56.5	<b>71.5</b>
Mid-Atlantic	MAS3220E3	E3	3.2	65.1	12.1	12	\$832	<b>72.7</b>	68.3	<b>65.8</b>	53.5
Seedway	SG 3327XTF	RXF	3.3	65.0	12.0	10	\$833	65.5	68.9	57.3	<b>68.3</b>
Seed Consultants	SC 7364E	E3	3.6	64.6	11.9	6	\$826	69.3	60.7	63.7	64.6
Zinesto	Z3203E	E3	3.2	64.2	12.1	8	\$823	67.1	<b>71.5</b>	55.7	62.7
Zinesto	Z3303E	E3	3.3	64.2	11.7	9	\$821	64.9	57.1	<b>66.6</b>	<b>68.3</b>
Xitavo	XO 3861E	E3,ST	3.8	64.1	11.8	9	\$820	<b>77.1</b>	55.9	<b>65.8</b>	57.6
Asgrow	AG30XF4 §	RXF	3.0	63.7	12.0	6	\$816	64.5	<b>71.4</b>	56.2	62.8
Innotech	IS3188E3S	E3,ST	3.1	63.6	11.8	9	\$815	71.4	<b>71.9</b>	56.2	55.1
Stine	36FD92 §	RXF	3.6	63.4	11.8	10	\$811	70.0	62.3	61.6	59.6
Zinesto	Z3104E	E3	3.1	63.4	12.2	8	\$811	63.6	70.1	62.4	57.4
Golden Harvest	GH3724XFS	RXF,ST	3.7	63.0	11.8	13	\$808	64.5	<b>73.6</b>	58.0	56.1
Chemgro	C3357E	E3	3.3	62.8	12.2	10	\$803	66.3	61.4	61.1	62.4
Xitavo	XO 3014E	E3,ST	3.0	62.0	12.4	9	\$794	69.3	64.5	57.7	56.5
Asgrow	AG38XF3 §	RXF	3.8	61.6	12.1	6	\$789	55.6	68.6	57.7	64.5
Zinesto	Z2902E	E3	2.9	61.2	12.1	9	\$784	57.2	<b>71.2</b>	54.9	61.4
Hubner	H33-52XF	RXF	3.3	60.9	12.1	4	\$781	59.5	65.1	51.2	<b>68.0</b>
Golden Harvest	GH3373E3S §	E3,ST	3.3	60.9	12.3	9	\$781	66.8	60.8	54.4	61.8
Averages =				<b>61.9</b>	<b>12.0</b>	<b>10</b>	<b>\$793</b>	<b>66.1</b>	<b>63.8</b>	<b>58.4</b>	<b>59.4</b>
LSD (0.10) =				5.7	0.2	4.7		5.4	7.3	6.3	7.0

## Soybean Results: DMNO (See site description on page 10)

ALL-SEASON TEST | MATURITY GROUP 3.7-4.7 | 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)	Chestertown	Preston	Princess Anne	Upperco
Seed Consultants	SC 74442E	E3	4.4	<b>72.6</b>	13.0	5	\$916	60.1	73.2	<b>78.4</b>	<b>78.7</b>
Revere	4299XS	E3,ST	4.5	<b>72.5</b>	12.6	6	\$915	60.4	<b>79.8</b>	72.5	<b>77.5</b>
Seed Consultants	SC 7462E	E3	4.6	<b>72.0</b>	12.9	7	\$906	59.7	77.8	<b>79.6</b>	70.7
Xitavo	XO 3922E	E3	3.9	<b>71.9</b>	12.8	4	\$906	60.4	74.5	<b>80.5</b>	72.2
Mid-Atlantic	MAS4723E3	E3	4.7	71.4	12.8	6	\$900	60.8	<b>81.6</b>	70.4	73.0
Stine	38EG32 §	E3	3.8	71.4	12.8	6	\$900	60.7	75.6	<b>81.2</b>	68.1
Golden Harvest	GH4222XF §	RXF	4.2	71.3	12.8	3	\$899	60.7	77.9	69.9	<b>76.8</b>
Pioneer	P42T71PR §	P	4.2	71.3	12.5	9	\$899	<b>66.2</b>	73.7	75.4	70.0
Seed Consultants	SC 7412E	E3	4.1	71.2	12.6	11	\$897	<b>66.4</b>	73.6	70.7	74.0
Pioneer	P38A28E §	E3	3.8	71.0	12.8	14	\$896	<b>65.7</b>	69.5	75.0	74.0
Mid-Atlantic	MAS4423E3	E3	4.4	70.8	12.7	6	\$892	61.9	74.2	<b>77.0</b>	70.0
Hubner	H47-43XF	RXF	4.7	70.4	12.6	5	\$888	59.0	73.8	75.4	73.5
Stine	37FD02 §	RXF	3.7	70.3	12.7	4	\$884	<b>68.9</b>	75.3	67.1	69.7
Golden Harvest	GH3913XF §	RXF	3.9	70.0	12.9	9	\$882	55.6	76.6	69.8	<b>78.0</b>
Golden Harvest	GH4343XFS	RXF,ST	4.3	69.9	12.9	6	\$881	59.8	72.8	73.2	73.6
Stine	40FD29 §	RXF	4.0	69.8	12.7	6	\$880	59.9	75.3	75.4	68.7
Xitavo	XO 4772E	E3	4.7	69.3	12.8	8	\$873	63.9	75.8	69.6	68.1
Asgrow	AG38XF3 §	RXF	3.8	69.1	12.9	7	\$871	61.7	74.1	69.8	70.8
UniSouth Genetics	7434XF	RXF	4.3	68.6	13.1	5	\$865	59.9	68.0	71.6	75.0
Xitavo	XO 4132E	E3	4.1	68.4	12.6	9	\$863	57.3	71.7	74.2	70.5
Revere	4606XFS	RXF,ST	4.6	68.4	12.6	11	\$862	59.6	74.3	69.4	70.3
UniSouth Genetics	7463XF	RXF	4.6	68.3	12.7	8	\$860	59.9	74.7	70.5	68.0
Xitavo	XO 4522E	E3	4.5	68.2	12.8	7	\$860	60.1	75.2	63.9	73.8
Mid-Atlantic	MAS4320E3/STS	E3,ST	4.3	68.2	12.9	8	\$859	60.5	72.8	74.8	64.5
UniSouth Genetics	7472ETS	E3,ST	4.7	68.1	12.8	4	\$858	60.0	74.0	66.7	71.7
Mid-Atlantic	MAS4021E3	E3	4.0	68.0	12.7	10	\$856	58.3	75.0	68.3	70.2
Southern Harvest	SH 4024 E3	E3	4.0	67.8	12.8	5	\$854	58.8	77.7	65.0	69.9
UniSouth Genetics	7394XFS	RXF	3.9	67.7	12.8	9	\$853	54.3	75.2	73.3	67.9
Mid-Atlantic	MAS3884GT/LL	LLGT27	3.8	67.4	13.0	9	\$849	62.1	74.2	64.1	69.4
Xitavo	XO 4084E	E3,ST	4.0	67.3	12.9	10	\$848	61.0	77.4	61.7	69.3
Averages =				<b>68.2</b>	<b>12.8</b>	<b>7</b>	<b>\$859</b>	<b>60.0</b>	<b>74.2</b>	<b>69.1</b>	<b>69.5</b>
LSD (0.10) =				3.7	0.3	3.2		4.7	4.4	7.4	5.9

# THANK YOU!

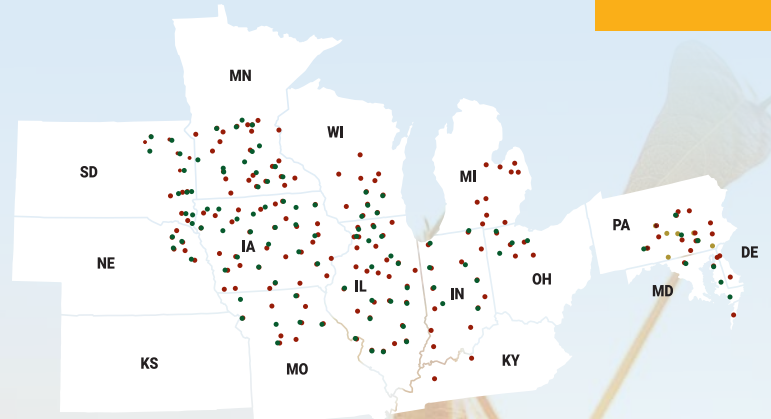
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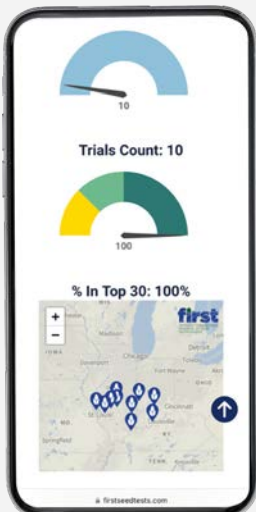
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# 2023



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