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2020 Performance Summary

PENNSYLVANIA & MID-ATLANTIC

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Mid Atlantic Independent Technology Service

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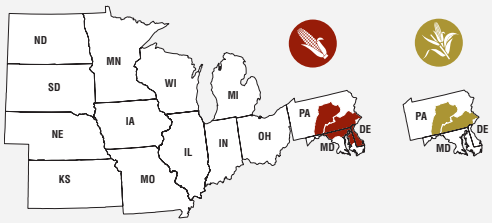
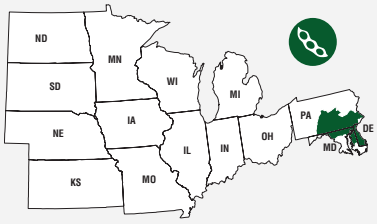
December 2020





This season had a very nice start, and with few exceptions, the planting conditions were excellent. The sites in these regions were planted by June 2, except one double crop soybean site at Preston, MD. Apart from cooler weather in our southern most site in Pungoteague, VA and some wet conditions at silage sites Lebanon and Nottingham, PA, emergence and early vigor were great in corn grain, silage, and soybean locations from Pennsylvania through the Mid-Atlantic.

Central Pennsylvania saw very dry periods through July and early August that caused stress in all three crops. Soybeans seemed to handle the dry weeks alright, and yields were still good in southeast PA. Rains in August helped finish the silage plots and saved yields in grain. Silage harvest and laboratory analysis information was available by mid September. Overall soybean yields were excellent in both regions, while corn grain regional averages were mixed compared to the last 5 years.

This season was one of some personal adversity with an injury during the harvest season that kept me out of the field for a time. With excellent support from farmers I work with and others to help us harvest, we still finished well.

We thank all the host farmers for your continued efforts and help with the FIRST program. We are grateful for participation from seed sponsors who choose to showcase their products in independent yield testing. FIRST is proud to offer this information on yield performance to help growers and seedsmen select the best products for operations in Pennsylvania and the Mid-Atlantic.

Rob Kauffman

FIRST Testing Methodology and Procedures

TESTING PROGRAM

Our testing program compares corn and soybean seed product yield and agronomic performance in grower fields across 15 states: Delaware, Illinois, Indiana, Iowa, Kansas, 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.

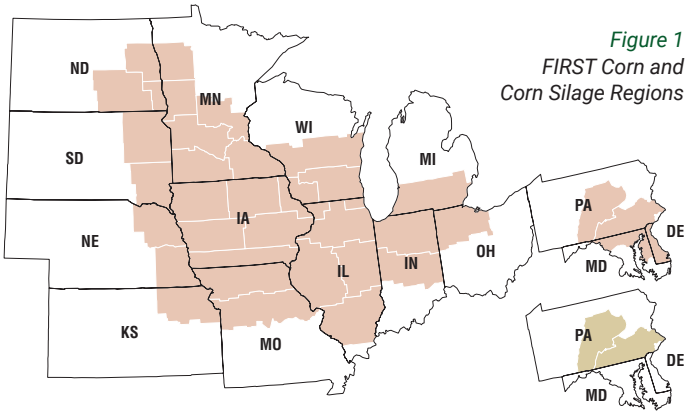


Figure 1
FIRST Corn and Corn Silage Regions

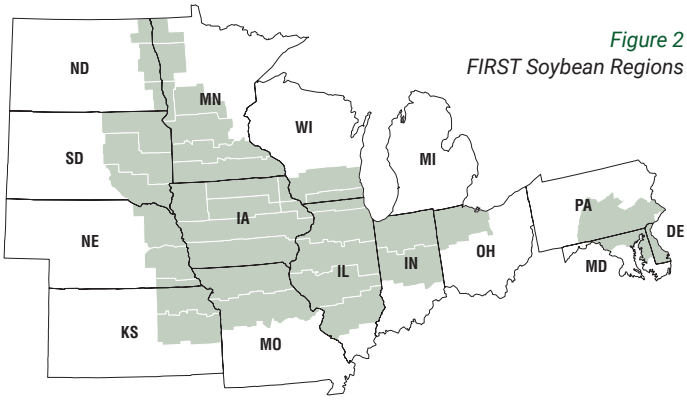


Figure 2
FIRST Soybean Regions

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.

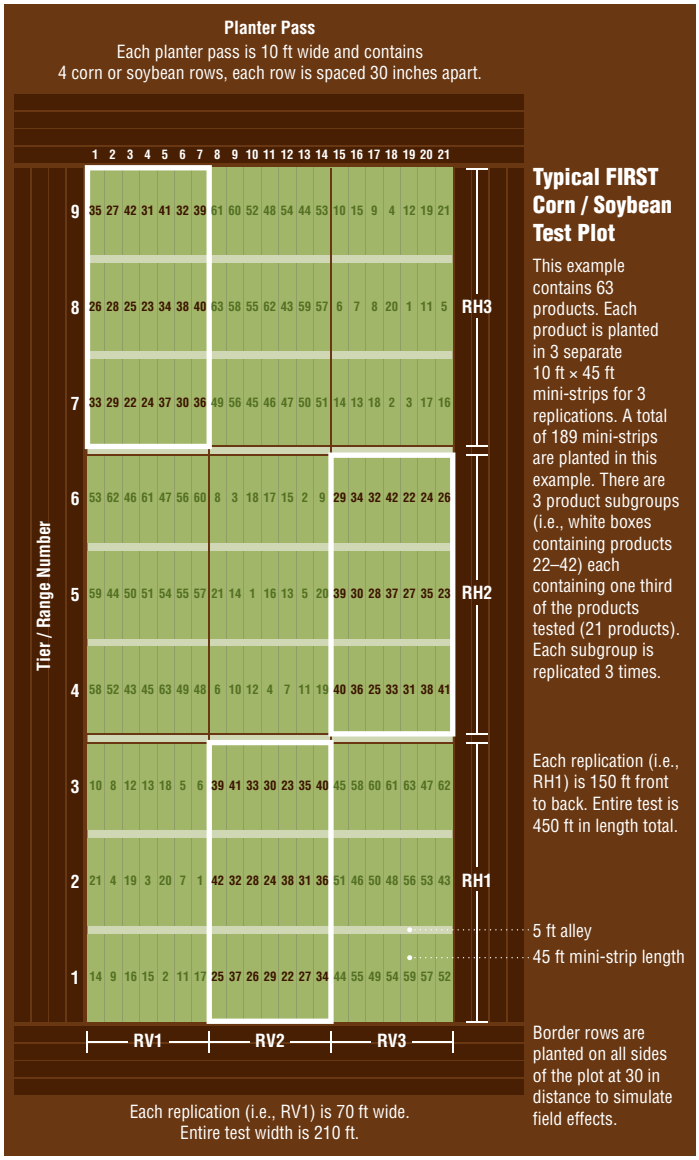
Seed companies and/or seed distributors are invited to submit their most promising seed products within specified test maturity limits to desired test regions (See pages 21–24 & 35–37). They provide high-quality seed from commercial lots and fees to enter FIRST tests. The only exceptions are check products (CK after product names, i.e. ×1234 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 Performance 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) as well as Protein (%) and Oil (%) content in soybean only, 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. The Performance Summary Reports are compiled here for 2020 Pennsylvania & Mid-Atlantic.

Figure 4 Corn Grain Performance Summary

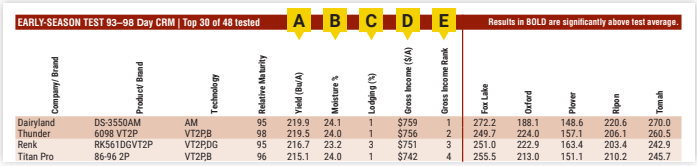
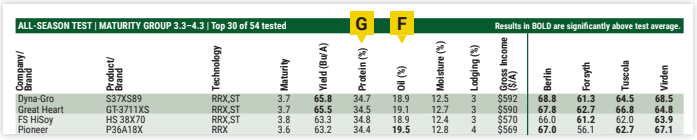


Figure 5 Soybean Performance Summary



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.

F **Oil (%)** — Soybean oil content at 13% grain moisture determined by near infrared reflectance spectroscopy (NIR).

G **Protein (%)** — Soybean protein content at 13% grain moisture determined by NIR.

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

Test Comments — The FIRST manager will provide comments and observations for each test site. This insight on weather patterns, plant health and soil conditions provide context to the data and underscore the challenges and opportunities the test entries were able to overcome or exploit.

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
3000GT	Agrisure® 3000GT (CB,RW,LL,GT)
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)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)
5222	Agrisure® Duracade® 5222 (Vip,CB,HX,RW,RW2,LL,GT)
A	Agrisure® Artesian®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)
AMT	Optimum® AcreMax®TRIsect (HX,RW,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)
AQ	Optimum® AQUAmax®
B	Blend - RIB or EZ refuge
CB	Agrisure® Corn Borer
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
DG	Genuity® DroughtGard®
E	Enlist™ (2,4-D, glyphosate, fop tolerance)
GT	Agrisure® GT
HX	Herculex® 1, contains LL
HX,RR2	Herculex® 1, Roundup Ready 2 Corn
HXRW	Herculex® Rootworm, contains LL
HXT	Herculex® Xtra (HX,HXRW,LL)
HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
LL	LibertyLink®
CONV	conventional corn
OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
OL	Optimum® Leptra® VYHR (Vip,YGCB,HX,LL,RR2)
OT	Optimum® TRIsect® CHR (HX,RW,LL,RR2)
PC	PowerCore™ (HX,VT2P)
QR	Qrome™
RR2	Roundup Ready® 2 Corn
RW	Agrisure® Rootworm
STX	SmartStax® (VT3P,HXX)
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple PRO®
YGCB	YieldGard® Corn Borer

Corn Seed Treatment Key

ABBREVIATION	DESCRIPTION
na	not available
AC	Acceleron®, unspecified
AC250,In	Acceleron® 250, Intego
AC250	Acceleron® 250
AC,P1	Acceleron® 1250
AC,P2	Acceleron® Poncho 250
PC,P2,B360	Acceleron® Poncho 250 with B-360 SAT
AC,P2,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron® 250, Stamina, StepUp
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5	Acceleron® Poncho 500
AC,P5,B360	Acceleron® Poncho 500 with B-360 SAT
AC,P5,St,SU	Acceleron® Poncho 500, Stamina, StepUp
AC,P5V	Acceleron®,Poncho 500/Votivo
AC,P5V,B-300	Acceleron® Poncho 500/Votivo with B-300 SAT
AC,P5V,B360	Acceleron® Poncho 500/Votivo with B-360 SAT
AC,P5V,EDC-B	Acceleron®,Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron®,Elite Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron® Poncho 500/Votivo, Stamina, StepUp
ACi	ACi Acceleron® Standard Insecticide-Fungicide
ACb	Acceleron® B-300 SAT
AVC	Avicta® Complete Corn
AVC,C1	Avicta® Complete 1250
AVC,C2	Avicta® Complete 250
AVC,C2,St,SU	Avicta® Complete 250, Stamina, StepUp
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C2,Vi,St,SU	Avicta® Complete 250, Vibrance®, Stamina, StepUp
AVC,C5	Avicta® Complete 500
AVC,C5,Vi	Avicta® Complete 500, Vibrance®
BPS	Burrus PowerShield
C2	Cruiser® 250
CM,C1	CruiserMaxx® 1250
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Innoculant
CM,C2,St,SU	CruiserMaxx® 250, Stamina, StepUp
CM,C2,Vi	CruiserMaxx® 250 with Vibrance®
CM,C5	CruiserMaxx® 500
CM,C5,Vi	CruiserMaxx® 500 with Vibrance®
CM,MQ,C2	CruiserMaxx® Cruiser® 250, Maxim® Quattro
HC	Hefty Complete
Lum	LumiGEN™
Lum,P1V	LumiGEN Poncho 1250/Votivo
Lum,P5V	LumiGEN Poncho 500/Votivo
MQ	Maxim® Quattro
MQ,P1V	Maxim® Quattro, Poncho 1250/Votivo
MSC	Miller Hybrids ShieldCoat™, Vertex
P1	Poncho 1250
P1V	Poncho 1250/Votivo
P1V,Lu	Poncho 1250/Votivo, Lumisena™
P5	Poncho 500
P5V	Poncho 500/Votivo
SU,St	StepUpZn, Stamina
ZN	Winfield United Advanced Coating® Zn

Soybean Seed Technology Key

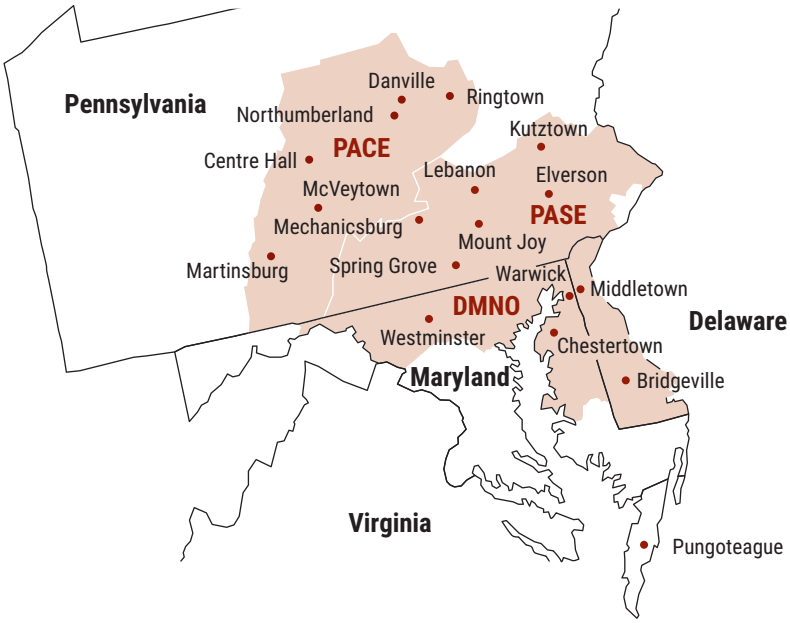
CODE	DESCRIPTION
E	Enlist (2,4-D, glyphosate)
E3	Enlist E3™ (2,4-D, glyphosate, LL)
G27	GT27 (glyphosate, isoxaflutole)
LG27	LibertyLink® GT27™
LL	LibertyLink®
LL,ST	LibertyLink®, sulfonylurea tolerant
None	no trait, conventional
P	Plenish® (glyphosate, high oleic)
RR	glyphosate tolerant (formerly Roundup Ready)
RR,ST	glyphosate and sulfonylurea tolerant
RR2Y	Roundup Ready 2 Yield®
RR2Y,ST	Roundup Ready 2 Yield®, sulfonylurea tolerant
RRX	Roundup Ready 2 Xtend®
RRX,ST	Roundup Ready 2 Xtend®, sulfonylurea tolerant

Soybean Seed Treatment Key

ABBREVIATION	DESCRIPTION
na	not available
A2020	Alert 2020 (Partners Brand Seed)
AC	Acceleron®, unspecified
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO™
ACI,SA	Acceleron® Standard Insecticide-Fungicide, Saltro
ACi,SA,B-200	Acceleron® Standard fungicide + insecticide, Saltro, Acceleron® B-200 SAT (Dry Seed Finisher)
AM	ApronMaxx®
ASfi,IL	AgriShield F+I, ILeVO™, inoculant
BPS-SDS	Burrus PowerShield® SDS
CMB,EX	CruiserMaxx Beans®, Excalibre-SA™
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx®, Vibrance®, Saltro
DST	Dominance 2 ST
EQV,SA	Equity VIP, Saltro
EX	Excalibre-SA™ (ABM)
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro
HCS	Hefty Complete Soybeans
IS,Ri	Intego Suite, Rizolex
Lum	LumiGEN™
Lum,IL	LumiGEN™ plus ILeVO™
Lum,Lu	LumiGEN, Lumisena™
Lum,Lu,IL	LumiGEN, Lumisena™, ILeVO™
PG+	Profit Guard +
PS	MAS Pro-Shield
PV,IL	Poncho®/Votivo®, ILeVO™
PV,IL,OB	Poncho®/Votivo®, ILeVO™, Obvius Plus
RP	Radius Premium (Local Seed Co)
SA	Saltro®
SA,A,R,G	Saltro®, Allegiance FL, Redigo 480, Gaucho 600
SS	SoyShield
SS+	SoyShield Plus
Treated	Treated, unspecified
Untreated	No seed treatment
VFI,SA	Virile Fungicide+Insecticide, Saltro® (BCS Consulting)
ViM,NO	Vibrance Maxx, Nodulator Pro
W	Warden® CX
YPP	YP Pro™, QuickRoots
YPP,T	YP Pro™, Trilex®

Soybean Cyst Nematode (SCN) Resistance Rating

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



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 Stand × 1,000	Average Yield	Yield History Bu/A	Yield History Years
Centre Hall	Wade Wolfe	silt loam	minimum	corn, 2+ yr	195	19-May	4-Nov	33.7	142.2	187.7	16
Danville	Rich & Stan Crone	sandy clay loam	minimum	corn	230	22-May	24-Oct	33.7	204.6	184.1	17
Martinsburg	Marcus Martin	silty clay loam	no-till	soybean	210	12-May	6-Oct	34.9	193.5	179.6	18
McVeytown	Charles Groff	silty clay	no-till	soybean	148	1-Jun	4-Nov	33.7	145.6	167.8	13
Northumberland	Scott Shoop	silt loam	no-till	soybean	270	20-May	2-Dec	33.3	226.7	209.4	15
Ringtown	Scott Careyva	silty clay loam	no-till	soybean	225	13-May	14-Nov	34.5	239.3	230.5	11
									PACE	**178.0**	**19**

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 Stand × 1,000	Average Yield	Yield History Bu/A	Yield History Years
Elverson	Dave Mast	silt loam	no-till	soybean	199	21-May	8-Dec	34.4	190.7	198.1	17
Kutztown	Jon Stutzman	silty clay loam	no-till	pumpkin	275	26-May	10-Dec	36.1	209.2	216.2	15
Lebanon	Steve Wenger	silty clay loam	minimum	corn, 2+ yr	251	5-May	2-Oct	33.9	259.6	200.8	16
Mechanicsburg	Daryl Alger	silt loam	no-till	soybean	250	21-May	3-Nov	NR	NR	281.6	1
Mount Joy	John Conley	clay loam	no-till	soybean	278	13-May	28-Oct	35.2	267.8	–	1
Spring Grove	Jim Bange	silty clay loam	no-till	soybean	230	15-May	5-Nov	34.5	220.5	210.0	12
									PASE	**192.4**	**19**

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 Stand × 1,000	Average Yield	Yield History Bu/A	Yield History Years
Bridgeville, DE	Ken Arney	sandy loam	minimum	soybean	200	14-May	7-Oct	35.1	247.4	214.1	16
Chestertown, MD	Tom Mason	sandy loam	no-till	soybean	229	30-May	7-Dec	34.1	193.0	179.3	11
Middletown, DE	Bill Alfree	sandy loam	minimum	soybean	311	8-May	14-Oct	34.6	246.6	201.0	15
Pungoteague, VA	Larry Custis	sand	no-till	wheat/soybean	145	4-May	21-Sep	29.2	172.7	189.7	6
Warwick, MD	Jonathan Quinn	sandy loam	no-till	wheat/soybean	215	25-May	4-Dec	34.6	215.6	178.3	18
Westminster, MD	Doug Armagost	silty clay loam	no-till	soybean	205	29-May	17-Nov	33.5	222.7	195.9	15
									DMNO	**182.3**	**19**

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2016–2020

FIRST Region	Average Yield by Year (Bu/A) 2020	2019	2018	2017	2016	Since Inception Bu/A	Since Inception #Years
PACE	192.0	214.4	175.3	223.2	184.2	178.0	19
PASE	229.6	246.9	207.7	238.6	173.5	192.4	19
DMNO	216.3	208.5	186.0	228.4	229.5	182.3	19

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

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

ALL-SEASON TEST 99–109 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	Centre Hall	Danville	Martinsburg	McVeytown	Northumberland	Ringtown
HUBNER	H6287RCSS	STX,B	104	**203.9**	18.3	19	$932	1	**172.6**	206.9	**216.7**	146.6	227.7	252.7
DYNA-GRO	D45TC55	TRE	105	**203.9**	19.5	8	$931	2	147.8	**235.8**	194.0	154.2	233.1	258.3
LOCAL SEED	LC0297 SSXRIB	STX,B	102	202.2	18.6	10	$924	3	**178.3**	206.8	**209.6**	142.0	**241.3**	235.2
DEKALB	DKC59-82RIB GC	VT2P,B	109	201.3	20.0	10	$916	4	140.8	**227.4**	200.9	146.5	**248.5**	243.5
SEED CONSULTANTS	SCS1071AM	AM,B	107	200.0	20.0	10	$911	5	148.2	209.7	186.9	152.6	**247.6**	254.8
SEED CONSULTANTS	SCS1091AM	AM,B	109	199.4	21.9	7	$899	6	140.1	200.0	195.9	**167.8**	**244.7**	248.0
DYNA-GRO	D44SS54 GC	STX	104	196.8	18.9	13	$896	8	**160.5**	211.2	**221.8**	124.9	230.4	232.1
DEKALB	DKC58-64RIB GC	STX,B	108	196.6	19.5	15	$892	10	**174.4**	187.6	**217.7**	152.3	231.4	216.4
MID-ATLANTIC	MA8066	VT2PDG	106	196.2	19.3	7	$894	9	**181.4**	192.6	196.9	142.3	222.6	241.1
MID-ATLANTIC	MA8039	VT2P	103	196.0	18.1	14	$898	7	**161.3**	206.8	199.7	123.9	217.4	**266.9**
HUBNER	H6390RCSS	STX,B	108	195.9	20.2	8	$888	11	155.5	202.6	200.3	139.2	224.9	252.9
DYNA-GRO	D49SS70	STX	109	195.3	20.5	14	$885	13	149.7	202.6	199.0	138.8	236.6	245.0
AUGUSTA	1059	3110	109	194.9	21.2	7	$883	14	117.8	**220.0**	177.6	**171.7**	221.5	**260.5**
HUBNER	H6225RCSS	STX,B	102	194.6	18.4	16	$888	12	**175.0**	204.1	**216.1**	143.7	208.5	220.3
MID-ATLANTIC	MA8091VT2P	VT2P	109	193.7	21.3	14	$880	16	121.5	**217.8**	179.3	154.4	**244.5**	245.1
PIONEER	P0806AM GC	AM,B	108	193.2	19.9	9	$878	17	129.3	212.1	202.1	143.5	230.4	241.9
NK BRAND	NK1082-5222A-EZR	5222A,B	110	191.9	21.0	14	$870	20	146.4	216.7	178.4	132.3	**244.0**	233.4
CHEMGRO	6505RDP	VT2P,B	105	191.9	17.9	10	$880	15	134.1	202.8	196.6	151.6	231.5	234.5
PIONEER	P0963AM GC	AM,B	109	191.6	20.9	6	$869	21	149.9	196.7	185.0	139.7	**244.1**	234.4
LOCAL SEED	LC0488 VT2PRIB	VT2P,B	104	191.4	18.0	13	$877	18	143.3	191.8	192.2	157.3	224.1	240.0
AUGUSTA	4759	3111	108	191.4	20.6	11	$866	22	119.1	200.6	208.3	140.8	227.6	251.9
AUGUSTA	1060	3330	109	190.9	21.5	10	$860	25	134.2	**230.4**	203.5	130.0	208.4	238.9
CHEMGRO	6605RDP	VT2P,B	106	190.8	18.7	14	$873	19	121.4	194.8	188.4	147.8	222.5	**270.1**
NK BRAND	NK0886-5122-EZR	5122,B	108	189.5	21.3	12	$856	27	126.7	198.4	187.4	152.4	231.4	240.8
CHEMGRO	6395RDP	VT2P,B	103	188.5	17.6	10	$865	23	124.0	189.9	204.3	135.0	220.3	257.7
AUGUSTA	4757	VT2P	107	188.2	19.8	14	$859	26	123.7	192.8	170.4	**170.0**	233.4	239.1
HUBNER	H05G716	VT2PDG	105	188.1	17.3	22	$864	24	139.9	215.0	201.2	141.0	209.1	222.3
LOCAL SEED	LC0607 TCRIB	TRE,B	106	188.0	19.0	25	$856	28	134.4	180.6	204.6	147.2	233.5	227.6
LOCAL SEED	LC0999 VT2PRIB	VT2P,B	109	187.5	20.9	11	$847	30	134.4	198.0	202.8	134.5	217.5	237.8
AUGUSTA	4958-3120	3120,B	108	185.5	18.8	18	$851	29	144.5	214.9	150.6	155.9	211.2	235.9
Averages =				192.0	19.6	13	$874		142.2	204.6	193.5	145.7	226.7	239.3
LSD (0.10) =				11.0	1.3	6.1			16.3	12.5	15.1	14.2	13.6	19.9

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

ALL-SEASON TEST 105–115 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	Elverson	Kutztown	Lebanon	Mechanicsburg#	Mount Joy	Spring Grove
CHEMGRO	7505RDP	VT2P,B	115	**250.2**	22.5	4	$1,099	1	**204.6**	**231.3**	**276.5**	208.9	**288.4**	**250.5**
HUBNER	H6456RCSS	STX	109	**245.7**	22.1	4	$1,079	2	**202.6**	216.3	**286.3**	171.9	276.6	**246.8**
DEKALB	DKC62-53RIB GC	VT2P,B	112	**241.9**	21.1	4	$1,070	3	**202.9**	229.6	**276.2**	161.9	264.8	235.9
LOCAL SEED	LC1488 VT2PRIB	VT2P,B	114	**241.2**	21.1	5	$1,067	4	**214.6**	216.3	**275.2**	160.7	275.6	224.1
AUGUSTA	4463	VT2P	112	238.9	21.8	10	$1,054	7	200.4	210.3	264.1	**223.0**	264.3	**255.7**
LOCAL SEED	LC0999 VT2PRIB	VT2P,B	109	238.6	20.5	7	$1,057	6	189.1	220.6	**281.2**	162.3	261.3	**240.9**
HUBNER	H6390RCSS	STX,B	108	238.1	20.4	5	$1,057	5	185.6	**238.3**	**274.0**	191.8	259.8	232.8
DEKALB	DKC59-82RIB GC	VT2P,B	109	237.7	20.7	8	$1,053	8	192.6	218.2	270.3	193.6	**294.8**	212.4
DYNA-GRO	D55VC80	VT2P	115	237.3	24.0	2	$1,034	11	198.7	229.6	254.6	201.9	267.4	235.9
LOCAL SEED	LC1398 VT2PRIB	VT2P,B	113	237.0	22.0	6	$1,043	9	**202.7**	222.0	263.2	193.7	273.6	223.4
MID-ATLANTIC	MA8128VT2P	VT2P	112	235.8	21.3	10	$1,040	10	190.8	188.5	268.1	**237.2**	**280.8**	**250.8**
AUGUSTA	1165 GC	VT2P	115	234.6	24.0	4	$1,023	16	**206.0**	215.1	258.7	180.3	**284.0**	209.0
LOCAL SEED	LC1497 DGVT2P	VT2PDG,B	114	234.1	21.7	5	$1,034	12	**214.1**	215.5	259.4	171.2	267.3	214.5
MID-ATLANTIC	MA8141DGVT2P	VT2PDG	114	234.1	22.8	3	$1,025	15	192.1	205.8	269.5	**227.4**	**282.2**	221.1
SEED CONSULTANTS	SCS1091AM	AM,B	109	233.9	20.9	5	$1,034	13	189.2	202.9	**277.8**	**223.4**	266.7	233.0
HUBNER	H6763RCSS	STX,B	115	233.6	22.1	5	$1,030	14	195.6	218.9	253.7	200.7	276.4	223.5
SEED CONSULTANTS	SCS1141AM	AM,B	114	232.4	22.9	9	$1,020	18	195.9	215.8	249.5	136.0	272.2	228.5
DYNA-GRO	D52VC63	VT2P	112	231.9	21.9	5	$1,022	17	181.3	**232.2**	256.1	118.1	277.2	212.8
MID-ATLANTIC	MA8106	VT2P	109	231.5	21.4	11	$1,020	19	189.1	211.6	267.6	166.8	272.8	216.3
PIONEER	P1077AM GC	AM,AQ,B	110	231.2	21.9	10	$1,019	21	191.5	228.5	260.9	177.8	260.3	214.9
CHEMGRO	7305RDP	VT2P,B	113	230.8	21.1	6	$1,020	20	192.6	191.3	260.1	189.1	271.7	238.2
LOCAL SEED	LC1289 VT2PRIB	VT2P,B	112	229.4	22.2	5	$1,008	26	191.8	221.8	262.1	112.1	278.3	193.1
SEED CONSULTANTS	SCS1087AM	AM,B	108	229.4	20.6	7	$1,013	22	168.1	204.6	**274.7**	**224.1**	268.4	231.1
AUGUSTA	1060	3330	109	228.7	21.1	4	$1,013	23	195.5	217.1	258.6	159.6	261.4	210.8
SEED CONSULTANTS	SCS1111Q	QR,B	111	228.5	21.5	6	$1,009	25	181.7	197.8	246.2	161.0	257.5	**259.4**
LOCAL SEED	LC1009 VT2PRIB	VT2P,B	110	227.3	20.9	7	$1,005	27	183.5	207.2	264.1	194.7	263.4	218.4
HUBNER	H6692RCSS	STX	112	227.2	20.1	7	$1,011	24	186.2	223.5	260.4	215.2	263.9	202.2
AUGUSTA	7162	VT2P	112	226.9	22.1	9	$996	30	189.1	198.5	260.2	141.0	**283.0**	203.6
CHEMGRO	6819D5Z	5222,B	108	225.9	20.3	14	$1,005	28	190.3	222.9	257.9	161.4	255.6	203.0
LOCAL SEED	LC0708 VT2PRIB	VT2P,B	107	225.0	19.7	11	$1,002	29	177.1	210.2	259.2	191.6	271.1	207.4
Averages =				231.0	21.9	6	$1,012		190.7	209.2	259.6	181.9	267.9	220.5
LSD (0.10) =				8.0	0.9	3.8			10.5	21.0	13.2	35.7	11.9	18.6

results rejected, not included in summary

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

ALL-SEASON TEST 106–116 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	Bridgeville	Chestertown	Middletown	Pungoteague	Warwick	Westminster
HUBNER	H09G056	VT2PDG	109	**238.9**	17.6	3	$1,074	1	**271.2**	**214.1**	**283.7**	177.1	235.7	**251.7**
DEKALB	DKC59-82RIB GC	VT2P,B	109	**237.7**	17.5	5	$1,069	2	**264.0**	**211.2**	259.9	**201.4**	**256.7**	233.0
MID-ATLANTIC	MA8117	TRE	111	**235.4**	17.3	3	$1,060	3	**268.8**	**208.5**	272.5	183.5	**246.2**	233.1
DYNA-GRO	D55VC80	VT2P	115	**234.8**	19.0	8	$1,049	4	246.7	**218.2**	**276.3**	181.3	**245.4**	**240.7**
HUBNER	H4828RC2P	VT2P	116	**229.8**	18.7	9	$1,027	5	250.2	198.1	267.3	179.4	**244.0**	**239.8**
HUBNER	H4763RC2P	VT2P,B	115	**228.8**	18.6	13	$1,024	6	241.2	**210.2**	253.4	191.0	230.3	**246.5**
CHEMGRO	7505RDP	VT2P,B	115	**227.8**	18.5	4	$1,017	7	257.4	**211.9**	253.8	**195.8**	226.7	220.9
MID-ATLANTIC	MA8141DGVT2P	VT2PDG	114	**227.6**	19.3	1	$1,012	12	262.9	197.4	260.3	186.3	225.7	232.8
MID-ATLANTIC	MA8091VT2P	VT2P	109	**227.0**	18.2	8	$1,016	9	251.5	195.5	257.8	189.8	231.5	**236.2**
AUGUSTA	7162	VT2P	112	226.2	18.2	7	$1,014	11	248.2	186.0	**284.1**	165.9	233.3	**239.9**
GREAT HEART	HT-7425DGVT2P	VT2PDG,B	114	226.0	19.0	3	$1,008	13	**266.2**	**211.7**	260.6	168.5	230.7	218.0
MID-ATLANTIC	MA8106	VT2P	109	225.4	16.8	10	$1,017	8	261.0	199.3	251.2	173.9	218.4	**248.5**
HUBNER	H4890RC2P	VT2P,B	117	225.2	19.7	10	$1,000	17	234.6	193.7	**278.3**	188.0	221.9	**234.7**
DEKALB	DKC62-53RIB GC	VT2P,B	112	224.8	17.4	5	$1,015	10	256.6	**207.1**	272.9	142.4	**240.9**	228.9
MORCORN	MC 4319	VT2P	113	224.2	19.0	4	$1,002	16	247.9	196.4	269.4	155.9	**236.7**	**238.8**
MID-ATLANTIC	MA8128VT2P	VT2P	112	223.7	17.6	14	$1,004	15	**263.7**	173.5	271.8	173.0	**245.9**	214.3
PIONEER	P1077AM GC	AM,AQ,B	110	222.8	17.5	12	$1,004	14	**271.5**	**209.8**	228.9	161.3	224.6	**240.8**
LOCAL SEED	LC1577 VT2PRIB	VT2P,B	115	222.5	18.5	9	$997	20	**275.3**	206.4	212.8	173.9	234.0	232.3
HUBNER	H4390RC2P	VT2P,B	108	222.3	17.5	7	$1,000	18	259.4	205.5	259.5	163.5	224.1	221.7
MORCORN	MC 4255	VT2P	112	221.5	18.1	12	$990	21	252.7	**212.7**	274.0	185.7	204.1	199.8
SEED CONSULTANTS	SCS1087AM	AM,B	108	221.2	16.5	8	$999	19	**263.4**	194.4	256.0	173.2	216.5	223.5
AUGUSTA	7168	VT2P	116	220.8	21.2	1	$973	29	**265.1**	199.3	264.4	165.0	227.8	203.2
MORCORN	MC 4670	TRE	116	220.0	18.7	18	$984	23	242.6	203.0	246.3	174.5	226.8	226.5
MID-ATLANTIC	MA8158	STX	1115	219.6	19.4	9	$978	27	249.2	188.0	262.8	171.4	**237.4**	209.0
LOCAL SEED	LC1009 VT2PRIB	VT2P,B	110	219.6	16.9	9	$990	22	**266.4**	183.2	253.9	163.6	213.3	**237.2**
SEED CONSULTANTS	SCS1111Q	QR,B	111	218.9	17.2	8	$984	25	**264.8**	191.2	237.4	188.5	217.5	214.3
AUGUSTA	4463	VT2P	112	218.8	17.5	11	$981	26	262.6	168.4	233.0	**199.7**	224.1	224.9
SEED CONSULTANTS	SCS1121AM	AM,B	112	218.5	17.8	8	$984	24	249.1	194.3	234.8	160.3	236.5	**236.2**
DYNA-GRO	D52VC63	VT2P	112	217.3	18.1	19	$971	30	249.1	183.2	261.0	181.4	217.5	211.4
AXIS	62A28 GC	VT2P,B	112	217.2	18.0	10	$974	28	246.1	198.2	217.6	191.0	231.1	219.1
Averages =				216.3	18.1	11	$969		247.4	193.0	246.6	172.7	215.6	222.6
LSD (0.10) =				9.9	0.4	5.5			15.6	13.4	28.1	19.5	21.1	11.0

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
AUGUSTA | Augusta Seed Corporation www.augustaseed.com PO Box 899, Verona, VA 24482 | (540) 886-6055					
1059	3110	109	N	AVC,C5	IAWCa, INCEa, KSNEa, NCTSb, OHNWb, PACE
1060	3330	109	N	CM,C2	ILSOa, INCEa, INNOb, OHNWb, PACE, PASE
1165	VT2P	115	N	CM,C2	DMNO
4463	VT2P	112	N	CM,C1	DMNO, INCEb, PASE
4757	VT2P	107	N	AC,P5V	IANCb, NCTSb, PACE
4759	3111	108	N	CM,C2	PACE
4958-3120	3120,B	108	Y	CM,C2	IAECa, ILECa, ILWCa, OHNWa, PACE
7162	VT2P	112	N	CM,C1	DMNO, PASE
7168	VT2P	116	N	AC,P1V	DMNO
AXIS | Axis Complete, LLC (Axis Seed) www.axiscomplete.com 3955 Floraville Rd, Waterloo, IL 62298 | (618) 979-9938					
62A28 GC	VT2P,B	112	Y	AC	DMNO
CHEMGRO | Chemgro Seeds, Inc. www.chemgro.com PO Box 218, East Petersburg, PA 17520 | (800) 346-4769					
6395RDP	VT2P,B	103	Y	AC,P2	PACE
6505RDP	VT2P,B	105	N	AC,P2	PACE
6605RDP	VT2P,B	106	N	AC,P2	PACE
6819D5Z	5222,B	108	N	CM,C5,Vi	DMNO, PACE, PASE
7095RDP	VT2P,B	110	N	AC,P2	DMNO, PASE
7305RDP	VT2P,B	113	N	AC,P2	DMNO, PASE
7505RDP	VT2P,B	115	N	AC,P2	DMNO, PASE
DEKALB | DeKalb Brand (Bayer CropScience) www.dekalb.com 800 N Lindbergh Blvd, St. Louis, MO 63167 | (800) 768-6387					
DKC58-64RIB GC	STX,B	108	Y	na	ILECa, NCTSb, PACE
DKC59-82RIB GC	VT2P,B	109	Y	na	DMNO, PACE
DKC62-53RIB GC	VT2P,B	112	Y	na	DMNO, KSNEa, MOCEa, MONOa, NESEa, PASE
DYNA-GRO | Dyna-Gro Seed (Nutrien Ag Solutions) www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 | (970) 685-3300					
D44SS54 GC	STX	104	N	AC,P5V,EDC-B	PACE
D45TC55	TRE	105	N	AC,P5V,EDC-B	INNOa, PACE
D49SS70	STX	109	N	AC,P5V,EDC-B	ILECa, ILNOa, ILWCa, NCTSb, PACE
D52VC63	VT2P	112	N	AC,P5V,EDC-B	DMNO, PASE
D55VC80	VT2P	115	N	AC,P5V,EDC-B	DMNO, ILECb, ILSOb, ILWCb, PASE
GREAT HEART | Great Heart Seed www.greatheartseed.com 220 W Washington St, Paris, IL 61944 | (877) 243-2071					
HT-7425DGVT2P	VT2PDG,B	114	Y	na	DMNO, ILSOb
HT-7462VT2P	VT2P,B	114	Y	na	DMNO
HUBNER | Hubner Seed (Bayer CropScience) www.hubnerseed.com 10280 W State Rd 28, West Lebanon, IN 47991 | (800) 328-4428					
H05G716	VT2PDG	105	N	AC,P5V	PACE
H09G056	VT2PDG	109	N	AC,P5V	DMNO
H4390RC2P	VT2P,B	108	Y	AC,P5V	DMNO
H4692RC2P	VT2P,B	112	Y	AC,P5V	DMNO
H4763RC2P	VT2P,B	115	Y	AC,P5V	DMNO
H4828RC2P	VT2P	116	N	AC,P5V	DMNO
H4890RC2P	VT2P,B	117	Y	AC,P5V	DMNO
H6225RCSS	STX,B	102	Y	AC,P5V	PACE
H6287RCSS	STX,B	104	Y	AC,P5V	PACE, PASE
H6390RCSS	STX,B	108	Y	AC,P5V	PACE, PASE
H6456RCSS	STX	109	N	AC,P5V	PASE
H6663RCSS	STX,B	113	Y	AC,P5V	PASE
H6692RCSS	STX	112	N	AC,P5V	PASE
H6763RCSS	STX,B	115	Y	AC,P5V	PASE

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
LOCAL SEED | Local Seed Company, LLC www.localseed.com 802 Rozelle St, Memphis, TN 38104 | (901) 260-6000					
LC0297 SSXRIB	STX,B	102	Y	RA	INNOa, MISOa, OHNWa, PACE
LC0488 VT2PRIB	VT2P,B	104	Y	RA	INNOa, MISOb, OHNWa, PACE
LC0607 TCRIB	TRE,B	106	N	RA	INCEa, INNOa, MISOb, OHNWa, PACE
LC0708 VT2PRIB	VT2P,B	107	N	RA	DMNO, PASE
LC0999 VT2PRIB	VT2P,B	109	Y	RA	INCEa, INNOb, OHNWb, PACE, PASE
LC1009 VT2PRIB	VT2P,B	110	Y	RA	DMNO, INCEa, INNOb, OHNWb, PASE
LC1289 VT2PRIB	VT2P,B	112	Y	RA	DMNO, INCEb, INNOb, OHNWb, PASE
LC1398 VT2PRIB	VT2P,B	113	Y	RA	DMNO, INCEb, PASE
LC1488 VT2PRIB	VT2P,B	114	Y	RA	DMNO, INCEb, PASE
LC1497 DGVT2P	VT2PDG,B	114	Y	RA	DMNO, INCEb, PASE
LC1577 VT2PRIB	VT2P,B	115	Y	RA	DMNO
MID-ATLANTIC | Mid-Atlantic Seeds, Inc. www.midatlanticseeds.com 204 St, Charles Way #163E, York, PA 17402 | (800) 854-6251					
MA5024	5222,B	102	N	na	PACE
MA5155	3111	115	N	na	DMNO, PASE
MA8008	VT2P	100	N	na	PACE
MA8039	VT2P	103	N	na	PACE
MA8066	VT2PDG	106	N	na	PACE, PASE
MA8091VT2P	VT2P	109	N	na	DMNO, PACE, PASE
MA8106	VT2P	109	N	na	DMNO, PACE, PASE
MA8117	TRE	111	N	na	DMNO
MA8128VT2P	VT2P	112	N	na	DMNO, PASE
MA8141DGVT2P	VT2PDG	114	N	na	DMNO, PASE
MA8158	STX	1115	N	na	DMNO, PASE
MORCORN | Distributed Exclusively by Meherrin Ag & Chemical Severn NC www.meherrinag.com/ 413 Main St, Severn, NC 27877 | (800) 775-0333					
MC 3952	VT2P	109	N	AC,P1	DMNO
MC 4255	VT2P	112	N	AC,P1	DMNO
MC 4319	VT2P	113	N	AC,P1	DMNO
MC 4670	TRE	116	N	AC,P5	DMNO
NK BRAND | NK Brand (Syngenta) www.nkseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 | (800) 258-0521					
NK0886-5122-EZR	5122,B	108	Y	AVC,C5,Vi	IAECa, IANCb, ILNOa, PACE, WISOb
NK0968-3000GT	3000GT	109	N	AVC,C5,Vi	PACE
NK1082-5222A-EZR	5222A,B	110	Y	AVC,C5,Vi	DMNO, IAECa, IANCb, IANWb, ILECa, ILNOb, ILWCa, INNOb, NCTSb, NENEa, NESEa, PACE, PASE
NK1239-5122-EZR	5122,B	112	Y	AVC,C5,Vi	DMNO, IAECb, ILECb, ILNOb, ILSOb, ILWCb, MOCEb, MONOb, NENEb, NESEa, PASE
NK1460-5222-EZR	5222,B	114	Y	AVC,C5,Vi	DMNO, IAECb, IASOb, IAWCb, ILECb, ILSOb, ILWCb, INCEb, NESEb, PASE
PIONEER | DuPont Pioneer (Corteva Agriscience) www.pioneer.com PO Box 454, Johnston, IA 50131 | (800) 247-6803					
P0806AM GC	AM,B	108	Y	na	PACE
P0963AM GC	AM,B	109	Y	na	PACE
P1077AM GC	AM,AQ,B	110	Y	na	DMNO, MOCEa, MONOa, NESEa, PASE
SEED CONSULTANTS | Seed Consultants, Inc. (Corteva Agriscience) www.seedconsultants.com 648 Miami Trace Rd SW, Washington Court House, OH 43160 | (800) 708-2676					
SCS1069AM	AM,B	106	Y	na	DMNO, PACE
SCS1071AM	AM,B	107	Y	na	OHNWa, PACE
SCS1087AM	AM,B	108	Y	na	DMNO, PASE
SCS1091AM	AM,B	109	Y	na	OHNWb, PACE, PASE
SCS1111Q	QR,B	111	Y	na	DMNO, OHNWb, PASE
SCS1121AM	AM,B	112	Y	na	DMNO, OHNWb, PASE
SCS1141AM	AM,B	114	Y	na	DMNO, PASE

Site Description: PACE *(See corn results table on page 10)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average Stand × 1,000	Average Yield (ton/ac)	Average Milk (lb/ac)
Centre Hall, PA	Wade Wolfe	silt loam	minimum	corn, 2+ yr	180	19-May	8-Sep	33.3	20.4	22,010
Martinsburg, PA	Gerald Smith	silty clay loam	no-till	corn, 2+ yr	225	12-May	12-Sep	35.0	22.7	25,110
Mifflintown, PA	David Graybill	silty clay loam	no-till	soybean	190	19-May	31-Aug	34.4	19.4	21,307
New Bloomfield, PA	Steve Adams	silty clay loam	conventional	corn, 2+ yr	210	27-May	18-Sep	33.0	19.1	21,514

Site Description: PASE *(See corn results table on page 10)*

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average Stand × 1,000	Average Yield	Average Milk (lb/ac)
Greencastle, PA	Steve Rudolf	silty clay loam	minimum	corn	259	15-May	7-Sep	34.8	32.5	35,430
Lebanon, PA	Marlon High	silty clay loam	minimum	corn	275	16-May	14-Sep	32.9	28.3	31,395
Mount Joy, PA	Mike Brubaker	silt loam	minimum	corn, 2+ yr	215	26-May	10-Sep	32.7	22.6	25,217
Nottingham, PA	Alan Mason	silty clay loam	minimum	corn, 2+ yr	215	28-May	9-Sep	33.5	22.3	24,080

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

Corn Silage Results: PACE *(See site description on page 9)*

Top 30 of 45 Products Tested | 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†	Technology†	CRM	Yield at 70% H_2O (Tons/A)	Stand (x1,000)	Dry Matter (%)	Crude Protein (% DM)	Starch: Total (% DM)	Starch: In Situ Digestable 0 h (%)	Starch: In Situ Digestable 7 h (%)	NEL (Mcal/lb)	NDF (% DM)	NDFd (% of NDF) 30 h	uNDF (%DM) 240 h	Milk/Ton DM†† (Lbs)	Milk/Ton DM†† Rank	Milk/ Acre (Lbs)↓
HUBNER	H6755RCSS	STX,B	114	**23.6**	34	35.3	7.9	38.3	15.4	67.12	0.8	36.9	35.2	9.2	3,643	3	27,642
CHANNEL	210-98STXRIB	STX,B	112	**24.1**	34.4	35.3	7.9	36.8	10.9	67.13	0.8	38.5	36.9	9.6	3,576	19	27,431
SEEDWAY	SW6760 GENSS (RIB)	STX,B	112	**23.6**	33.9	35.5	8.1	38.7	10.5	65.39	0.8	37.2	35.7	9.3	3,590	15	27,329
SEED CONSULTANTS	SCS 1111Q	QR,B	111	**23.2**	34.1	34	8.3	36.7	14.7	69.13	0.8	38	38.8	9	3,575	20	26,543
SEEDWAY	SW6790 GENVT2P (RIB)	VT2P,B	112	21.4	33.8	38.5	8	40.4	10.9	63.06	0.8	35.3	35.4	8.5	3,656	1	26,352
SEEDWAY	SW6630 GENSS (RIB)	STX,B	109	**21.9**	33.8	35.5	7.7	38	14.3	67.17	0.8	37.3	37.6	9.1	3,640	4	26,322
SEED CONSULTANTS	SCS 1141AM	AM,B	114	**22.5**	33.9	35	8	36	13	67.26	0.8	38.9	38.4	9.2	3,543	26	25,752
AUGUSTA	5663	3000GT	113	21.7	33.8	34.6	8.2	35	12.2	68.01	0.8	39.6	39	9.7	3,568	22	25,389
LOCAL SEED	LC1488 SSXRIB	STX,B	114	21	33.8	36.9	8.2	38.6	8.9	64.16	0.8	36.6	37.6	8.7	3,611	10	25,375
HUBNER	H6390RCSS	STX,B	108	21	34.3	40	7.9	**42.4**	12.9	65.73	0.8	33.9	34.7	8.6	3,602	13	25,260
LOCAL SEED	LC0999 VT2PRIB	VT2P,B	109	20	34	38.5	7.8	**41.3**	12.6	65.8	0.8	35.1	35.4	9	3,618	7	25,037
DYNA-GRO	D55VC80	VT2P	115	21.7	34.6	34.5	8.1	35.2	10.8	66.44	0.8	39.5	38.1	9.5	3,574	21	24,846
AUGUSTA	1165	VT2P	115	20.2	33.5	33.8	8.3	36	13.4	66.06	0.8	38.4	37.6	9.3	3,625	6	24,636
MID-ATLANTIC	MA8128-VT2PRIB	VT2P,B	112	19.5	33.4	38.1	8	39.4	10	64.16	0.8	36.1	36.3	8.6	3,615	8	24,518
CHEMGRO	6819D5Z	5222,B	108	20	35	41.1	8	40.2	11.5	65.64	0.8	35.5	35.8	9.1	3,581	17	24,469
CHEMGRO	7305RDP	VT2P,B	113	20.8	32.5	38.4	8	38.2	10.5	65.33	0.8	37.3	37.1	9.1	3,568	22	24,440
NK BRAND	NK0968-3000GT	3000GT	109	19.9	33.8	39.7	8.2	38.7	11.7	64.58	0.8	36.6	38.3	9	3,532	28	24,386
LOCAL SEED	LC0708 VT2PRIB	VT2P,B	107	20.8	35.2	38	8.1	39.3	11.8	65.29	0.8	36.1	36.6	9.1	3,564	24	24,330
SEED CONSULTANTS	SCS 1071AM	AM,B	107	19.5	33.5	36.9	7.9	38.6	15.6	67.99	0.8	36.8	38.3	8.9	3,589	16	24,328
HUBNER	H6257RCSS	STX,B	104	19.9	35	39	8.2	39.7	13	65.38	0.8	34.7	37	8.5	3,651	2	24,289
AUGUSTA	4463	VT2P	113	20.2	33.3	37.3	7.8	39.6	11.7	64.29	0.8	36.3	35.9	8.9	3,605	12	24,153
DYNA-GRO	D53VC33	VT2P	113	20.1	33.7	36.9	8	37.3	9.2	65.03	0.8	38.1	37.1	9.3	3,533	27	23,726
SEEDWAY	SW6540 GENVT2P (RIB)	VT2P,B	107	18.4	34.3	39.1	8.2	40.4	9.7	63.05	0.8	34.2	34.9	8.9	3,606	11	23,553
NK BRAND	NK1460-5222-EZR	5222,B	114	19.5	34.1	35.6	8.1	39.4	10.1	66.67	0.8	36.7	38.2	9.3	3,531	29	23,253
MID-ATLANTIC	MA8141	VT2PDG	114	20	35.2	33.6	8.1	35	12.4	66.77	0.8	39	36.5	9.7	3,543	25	23,245
CHEMGRO	7658G3	3000GT,B	116	21.2	32.9	37.2	7.9	37	8.3	65.79	0.8	38.8	38.7	9.4	3,611	9	22,923
AUGUSTA	1060	3330,B	110	18.7	33.4	37.8	8.3	37.4	12.6	65.23	0.8	37.2	38.3	9.1	3,596	14	22,896
AUGUSTA	4463C	CONV	113	17.5	33.8	38.1	8.1	40.2	9.6	63.88	0.8	36	37.2	9	3,637	5	22,301
NK BRAND	NK1205-3120-EZR	3120,B	112	17.9	34.5	34.2	8.3	35.9	9.2	66.4	0.8	38.2	39.8	9.4	3,527	30	21,854
SEED CONSULTANTS	SCS 1069YHR	OI	106	16.4	34.5	36.7	8.1	37.6	10.1	65.49	0.8	37.4	37.7	9.4	3,579	18	21,292
Average				**20.4**	**34**	**36.5**	**8.1**	**37.2**	**11.3**	**66.6**	**0.8**	**37.8**	**37.6**	**9.3**	**3,549**		**24,174**
LSD(0.10)				1.5		ns	ns	4.1	ns	3.46	0	3.6	ns	ns	129		ns
C.V.				14.4		14.1	7.3	10.4	50.2	5	4.9	9	9.6	21.1	3.5		25.7

Corn Silage Results: PASE *(See site description on page 9)*

Top 30 of 45 Products Tested | 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†	Technology†	CRM	Yield at 70% H_2O (Tons/A)	Stand (x1,000)	Dry Matter (%)	Crude Protein (% DM)	Starch: Total (% DM)	Starch: In Situ Digestable 0 h (%)	Starch: In Situ Digestable 7 h (%)	NEL (Mcal/lb)	NDF (% DM)	NDFd (% of NDF) 30 h	uNDF (%DM) 240 h	Milk/Ton DM†† (Lbs)	Milk/Ton DM†† Rank	Milk/ Acre (Lbs)↓
CHEMGRO	7789RSX	STX,B	117	**27.2**	1	35.2	8.3	40.8	14.2	61.07	0.8	34.5	33.3	8.5	3,706	5	29,888
AUGUSTA	9967	3000GT	117	**26.5**	1	34.6	7.9	41.5	13.3	64.67	0.8	34.8	36.7	8.2	3,647	12	29,729
HUBNER	H6763RCSS	STX,B	115	**27.7**	1	36.8	8.4	39.2	10	58.63	0.8	36.2	30.6	9.9	3,652	11	29,542
SEEDWAY	SW6760 GENSS (RIB)	STX,B	112	**27.4**	1	37	8.7	42.1	12.4	60.53	0.8	33.2	33	9	3,748	1	29,360
SEEDWAY	SW8100 GENSS	STX,B	117	27	1	37.4	8.1	39	5.4	58.9	0.8	37.9	31.1	11.1	3,528	25	28,540
HUBNER	H6890RCSS	STX,B	117	**27.4**	1	35.5	8.4	36.8	6.2	59.17	0.7	38.4	31	10.5	3,495	28	28,507
DYNA-GRO	D55VC80	VT2P	115	**28.7**	1	35.7	8.3	38.7	6.8	62.23	0.8	37.1	35.9	9.3	3,592	15	28,490
SEEDWAY	SW6630 GENSS (RIB)	STX,B	109	25.6	1	37.1	7.9	41.6	16.3	60.83	0.8	33.5	32.5	8.8	3,728	3	28,375
AUGUSTA	4463	VT2P	113	27.4	1	39.9	8.1	44.9	12.5	57.9	0.8	31.5	30.9	7.9	3,710	4	28,337
LOCAL SEED	LC1688 SSXRIB	STX,B	116	26.2	1	34.4	8.4	**38.5**	13	61.83	0.8	36	34	9.3	3,703	6	27,569
MID-ATLANTIC	MA5165	3000GT	116	26.2	1	35	7.8	**41.5**	10.3	64.13	0.8	34.9	37	8.6	3,608	14	27,501
HUBNER	H6663RCSS	STX,B	113	27.1	1	34.8	7.9	38.2	9.3	63.43	0.8	37.2	33.4	10.2	3,537	24	27,370
HUBNER	H6755RCSS	STX,B	114	27.2	1	33.9	8	37.2	12	64.33	0.8	38	32.7	10	3,556	20	26,960
CHEMGRO	7658G3	3000GT,B	116	26.3	1	35.2	8.1	37.6	7.3	63.1	0.8	37.9	38	9.8	3,555	21	26,908
LOCAL SEED	LC1308 TCRIB	TRE,B	113	26.2	1	35.8	8.2	41	8.4	61.43	0.8	34.9	32.8	9.2	3,629	13	26,654
DYNA-GRO	D57VC17	VT2P	117	25.8	1	37.1	8.3	39.1	5.9	60.7	0.8	36.6	32.6	10.9	3,563	18	26,614
AUGUSTA	1165	VT2P	115	26	1	34.5	8.5	39.9	15.1	63.27	0.8	34.9	37	8.7	3,748	2	26,332
LOCAL SEED	LC1488 SSXRIB	STX,B	114	25.5	1	36.8	8.1	28	10.3	59.93	0.8	33.2	31.4	8.4	3,688	8	26,307
LOCAL SEED	LC1898 TC	TRE	118	26.5	1	38	8.4	38.1	11.3	59.63	0.8	37.3	30.9	10.6	3,557	19	26,251
AUGUSTA	4463C	CONV	113	25.1	1	39.1	8.2	42.8	10.4	61.07	0.8	33.3	34.2	8.4	3,693	7	26,123
NK BRAND	NK1573-5222-EZR	5222,B	115	25.5	1	32.6	8.3	38.1	7	64.97	0.8	36.7	38.4	9.3	3,546	23	26,004
CHEMGRO	7305RDP	VT2P,B	113	24.6	1	38.1	8.1	42.4	8.6	58.53	0.8	33.9	30	8.9	3,687	9	25,807
SEED CONSULTANTS	SCS 1121AM	AM,B	112	25.4	1	33	8.5	38.6	12.1	64.57	0.8	35.4	36.3	9.2	3,589	16	25,486
SEEDWAY	SW6790 GENVT2P (RIB)	VT2P,B	112	24.6	1	38	8	42.3	9.3	60.1	0.8	34.2	32.4	8.5	3,665	10	25,458
SEED CONSULTANTS	SCS 1141AM	AM,B	114	25.9	1	33.6	8.1	37.4	10.3	64.27	0.8	37.5	37.3	9.2	3,512	26	25,032
SEED CONSULTANTS	SCS 1158AM	AM,B	115	26.1	1	34.2	8.2	37.3	10.6	62.57	0.8	37.8	35.9	9.5	3,570	17	24,736
LOCAL SEED	LC1806 VT2PRIB	VT2P,B	117	25.3	1	34.2	8.7	36	6.3	62.33	0.8	38.4	34.5	11.1	3,493	30	24,726
NK BRAND	NK1460-5222-EZR	5222,B	114	25.4	1	36.9	7.9	41.3	10.2	64.37	0.8	34.8	32.5	9.7	3,546	22	24,569
SEED CONSULTANTS	SCS 1188AM	AM,B	118	24.8	1	35.2	8.8	37.8	9	59.77	0.8	36.2	31.3	10.8	3,499	27	24,148
MYCOGEN	UNI14D38	STX	114	21.4	1	33.3	8.3	32.2	8	71.2	0.7	40.5	42.4	8.4	3,495	29	22,110
Average			**26.4**	**1**	**35**	**8.3**	**37.8**	**9.2**	**62.36**	**0.8**	**36.8**	**34.7**	**9.7**	**3,552**	**22**		**26,044**
LSD(0.10)			1.1		ns	ns	ns	4.1	ns	ns	ns	3.9	ns	154			ns
C.V.			7.9		15.5	4.8	18.2	41.9	6.9	5.7	11.1	10.8	15	4.1			17.3

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
AUGUSTA | Augusta Seed Corporation www.augustaseed.com PO Box 899, Verona, VA 24482 | (540) 886-6055					
1060	3330,B	110	Y	na	PACE
1064	CONV	114	N	na	PACE, PASE
1165	VT2P	115	N	na	PACE, PASE
4463	VT2P	113	N	na	PACE, PASE
4463C	CONV	113	N	na	PACE, PASE
5663	3000GT	113	N	na	PACE
9967	3000GT	117	N	na	PASE
CHANNEL | Channel Brand (Bayer CropScience) www.channel.com 800 N Lindbergh Blvd, St. Louis, MO 63167 | (800) 768-6387					
210-98STXRIB GC	STX,B	112	Y	na	PACE
CHEMGRO | Chemgro Seeds, Inc. www.chemgro.com PO Box 218, East Petersburg, PA 17520 | (800) 346-4769					
6819D5Z	5222,B	108	Y	na	PACE
6859V3	3111	108	N	na	PACE
7305RDP	VT2P,B	113	Y	na	PACE, PASE
7658G3	3000GT,B	116	Y	na	PACE, PASE
7789RSX	STX,B	117	Y	na	PASE
7799D5Z	5222,B	117	Y	na	PASE
DYNA-GRO | Dyna-Gro Seed (Nutrien Ag Solutions) www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 | (970) 685-3300					
D53VC33	VT2P	113	N	na	PACE
D55VC80	VT2P	115	N	na	PACE, PASE
D57VC17	VT2P	117	N	na	PASE
HUBNER | Hubner Seed (Bayer CropScience) www.hubnerseed.com 10280 W State Rd 28, West Lebanon, IN 47991 | (800) 328-4428					
H6257RCSS	STX,B	104	Y	na	PACE
H6390RCSS	STX,B	108	Y	na	PACE
H6663RCSS	STX,B	113	Y	na	PACE, PASE
H6755RCSS	STX,B	114	Y	na	PACE, PASE
H6763RCSS	STX,B	115	Y	na	PASE
H6890RCSS	STX,B	117	Y	na	PASE
LOCAL SEED | Local Seed Company, LLC www.localseed.com 802 Rozelle St, Memphis, TN 38104 | (901) 260-6000					
LC0607 TCRIB	TRE,B	106	Y	na	PACE
LC0708 VT2PRIB	VT2P,B	107	Y	na	PACE
LC0999 VT2PRIB	VT2P,B	109	Y	na	PACE
LC1289 VT2PRIB	VT2P,B	112	Y	na	PACE
LC1308 TCRIB	TRE,B	113	Y	na	PASE
LC1488 SSXRIB	STX,B	114	Y	na	PACE, PASE
LC1506 VT2PRIB	VT2P,B	115	Y	na	PACE, PASE
LC1688 SSXRIB	STX,B	116	Y	na	PASE
LC1806 VT2PRIB	VT2P,B	117	Y	na	PASE
LC1898 TC	TRE	118	N	na	PASE
MASTERS CHOICE | Masters Choice www.seedcorn.com 305 W Vienna St, Anna, IL 62906 | (866) 444-1044					
MC6733 GC	3000GT	117	N	na	PASE

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
MID-ATLANTIC | Mid-Atlantic Seeds, Inc. www.midatlanticseeds.com 204 St, Charles Way #163E, York, PA 17402 | (800) 854-6251					
MA5083	3010	108	N	na	PACE
MA5165	3000GT	116	N	na	PASE
MA5166	3111	116	N	na	PACE, PASE
MA8128-VT2PRIB	VT2P,B	112	N	na	PACE
MA8141	VT2PDG	114	N	na	PACE, PASE
MA8158	STX,B	115	N	na	PASE
MYCOGEN | Mycogen Seeds (Corteva Agriscience) www.dowagro.com/mycogen 9330 Zionsville Rd, Indianapolis, IN 46268 | (800) MYCOGEN					
TMR2H708 GC	CONV	108	N	na	PACE
UNI06D58 GC	CONV	106	N	na	PACE
UNI14D38 GC	STX	114	N	na	PASE
NK BRAND | NK Brand (Syngenta) www.nkseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 | (800) 258-0521					
NK0968-3000GT	3000GT	109	N	na	PACE
NK1205-3120-EZR	3120,B	112	Y	na	PACE
NK1239-5122-EZR	5122,B	112	Y	na	PACE
NK1460-5222-EZR	5222,B	114	Y	na	PACE, PASE
NK1523-3220-EZR	3220,B	115	Y	na	PASE
NK1573-5222-EZR	5222,B	115	Y	na	PACE, PASE
NK1677-3110	3110	116	N	na	PACE, PASE
NK1748-3110	3110	117	N	na	PASE
NK1808-3111	3111	118	N	na	PASE
SEED CONSULTANTS | Seed Consultants, Inc. (Corteva Agriscience) www.seedconsultants.com 648 Miami Trace Rd SW, Washington Court House, OH 43160 | (800) 708-2676					
SCS 1069YHR	OI	106	N	na	PACE
SCS 1071AM	AM,B	107	Y	na	PACE
SCS 1111Q	QR,B	111	Y	na	PACE
SCS 1121AM	AM,B	112	Y	na	PACE, PASE
SCS 1141AM	AM,B	114	Y	na	PACE, PASE
SCS 1158AM	AM,B	115	Y	na	PASE
SCS 1188AM	AM,B	118	Y	na	PASE
SEEDWAY | Seedway, LLC www.seedway.com 1734 Railroad Place, Hall, NY 14463 | (800) 836-3710					
SW5440 GENSS (RIB)	STX,B	105	Y	AC,P5V	PACE
SW6540 GENVT2P (RIB)	VT2P,B	107	Y	AC,P5V	PACE
SW6630 GENSS (RIB)	STX,B	109	Y	AC,P5V	PACE, PASE
SW6760 GENSS (RIB)	STX,B	112	Y	AC,P5V	PACE, PASE
SW6790 GENVT2P (RIB)	VT2P,B	112	Y	AC,P5V	PACE, PASE
SW8100 GENSS	STX,B	117	Y	AC,P5V	PASE
SW8109 VIP3111	3111	117	N	CM,C1	PASE

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

Site Description: PASE *(See soybean results table on page 00)*

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
Duncannon	Glenn Ebersole	silty clay loam	minimum	corn	84	27-May	21-Nov	175.5	59.9	–	new site
Martinsburg	Jim Smith	silt loam	conventional	corn	–	1-Jun	20-Nov	155.9	59.4	55.7	6
Milton	Scott Shoop	sandy clay loam	no-till	corn	–	20-May	10-Oct	152.0	70.3	–	new site
Mount Joy	Curt & Mike Buckwalter	silty clay loam	no-till	corn	–	19-May	9-Oct	133.7	89.3	51.2	3
									PASE	**57.3**	**7**

Site Description: DMNO *(See soybean results table on page 00)*

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
Chestertown	Tom Mason	sandy loam	no-till	oat	–	30-May	–	NR	NR	52.2	3
Preston	Roger Schmick	sandy loam	no-till	corn	–	25-May	10-Nov	138.5	72.5	57.3	10
Preston-Double Crop	Roger Schmick	sandy loam	no-till	rye	–	29-Jun	28-Nov	147.8	52.8	57.3	10
Westminster, MD	Doug Armagost	silty clay loam	no-till	corn	19	29-May	9-Nov	152.3	72.4	64.6	6
									DMNO	**58.5**	**7**

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2016–2020

FIRST Region	Average Yield by Year (Bu/A) 2020	2019	2018	2017	2016	Since Inception Bu/A	Since Inception #Years
PASE	69.7	61.1	41.4	46.7	51.4	57.3	7
DMNO	65.9	53.9	55.0	50.0	55.1	58.5	7

Soybean Results: PASE *(See site description on page 00)*

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	Milton	Mount Joy
CHEMGRO	C3354E	E3	3.3	**75.0**	11.1	6	$779	64.9	**64.7**	72.7	**97.5**
MID-ATLANTIC	MAS3220E3	E3	3.2	**74.5**	11.2	4	$774	62.4	**64.6**	69.2	**101.7**
CREDENZ	CZ 3660GTLL	LLGT27	3.6	**74.1**	11.2	6	$770	**67.8**	60.1	69.9	**98.6**
SEEDWAY	3393	E3	3.3	73.5	10.9	9	$765	**67.3**	63.5	69.8	93.3
SEED CONSULTANTS	SC 7311E	E3	3.1	73.4	10.8	7	$763	63.8	**63.8**	73.7	92.2
CHEMGRO	C3152RX	RRX	3.1	73.2	10.7	7	$761	64.9	57.8	75.1	**95.2**
HUBNER	H36-28R2X	RRX	3.6	72.8	11.1	6	$755	63.0	58.6	**79.5**	89.9
LG SEEDS	LGS3777RX GC	RRX	3.7	72.4	10.8	14	$753	**66.6**	59.4	70.6	93.0
SEED CONSULTANTS	SC 7280E	E3	2.8	72.4	10.3	3	$752	57.8	**65.1**	73.6	93.0
NK BRAND	S35-K9X U	RRX	3.5	72.1	10.5	3	$749	63.1	59.3	71.0	**94.9**
PIONEER	P31T64E U	E3	3.1	72.1	10.5	6	$748	53.3	62.4	**78.7**	93.9
PIONEER	P32T26E U	E3	3.2	72.0	10.9	8	$748	59.8	60.1	**77.1**	91.1
PIONEER	P28T14E U	E3	2.8	71.9	10.2	3	$747	58.5	**64.3**	67.4	**97.4**
HUBNER	H35-27R2X	RRX	3.5	71.5	11.0	7	$743	57.4	62.4	**78.3**	88.0
LOCAL SEED	ZS3496GL	LLGT27	3.4	71.4	10.9	3	$743	63.0	61.9	70.6	90.2
SEED CONSULTANTS	SC 7341E	E3	3.4	71.4	10.8	5	$742	63.3	59.9	73.8	88.5
CREDENZ	CZ 3750GTLL	LLGT27	3.7	71.3	11.2	6	$741	60.1	62.4	63.9	**98.7**
SEEDWAY	2832	RRX	2.8	71.0	10.3	7	$740	**66.2**	**66.8**	68.9	82.0
NK BRAND	S37-2E3S	E3,ST	3.7	70.9	11.2	7	$736	60.4	55.6	73.4	**94.4**
NK BRAND	S33-D7X U	RRX	3.3	70.5	10.9	12	$732	61.8	56.2	72.1	91.9
ASGROW	AG33X0 U	RRX	3.3	70.4	10.7	3	$731	62.9	55.7	73.9	89.0
CREDENZ	CZ 2760GTLL	LLGT27	2.7	70.1	10.8	2	$730	64.3	59.4	64.3	92.5
HUBNER	H33-40R2X	RRX	3.3	70.1	10.8	4	$728	61.6	56.1	76.2	86.5
LOCAL SEED	ZS2898GL	LLGT27	2.8	69.8	10.7	2	$726	62.4	58.5	71.8	86.6
SEED CONSULTANTS	SC 7381E	E3	3.8	69.8	10.8	5	$726	63.5	56.3	65.2	94.3
HUBNER	H29-19R2X	RRX	2.9	69.6	10.6	3	$723	55.7	63.1	72.0	87.6
LG SEEDS	LGS3202RX GC	RRX	3.2	69.4	10.8	12	$721	55.9	63.3	65.2	93.2
CREDENZ	CZ 3099GTLL	LLGT27	3.0	69.3	10.7	6	$720	60.2	59.3	69.2	88.5
STINE	37EC20 U	E3	3.7	69.3	11.1	7	$721	61.8	59.4	62.4	93.5
SEEDWAY	3445	RRX	3.4	69.2	10.7	3	$719	58.7	58.2	68.8	91.3
Averages =				69.7	10.8	6	$725	59.9	59.5	70.3	89.3
LSD (0.10) =				4.0	0.2	4.1		5.3	4.3	6.1	5.1

Soybean Results: DMNO *(See site description on page 00)*

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	Preston-Double Crop	Westminster
MORSOY	MS 4846	RRX	4.8	**73.1**	13.7	5	$787	–	**83.5**	**59.2**	76.5
CREDENZ	CZ 3840GTLL	LLGT27	3.8	**70.7**	14.0	9	$762	–	**82.3**	56.6	73.3
SEED CONSULTANTS	SC 7461E	E3	4.6	70.0	13.9	6	$753	–	**77.8**	56.9	75.2
CREDENZ	CZ 4539GTLL	LLGT27	4.5	69.8	13.8	4	$751	–	**84.2**	51.6	73.5
LOCAL SEED	LS4607XS	RRX,ST	4.6	69.3	14.2	7	$746	–	**77.8**	57.2	73.0
NK BRAND	S39-G2X U	RRX	3.9	69.1	14.3	14	$743	–	70.4	57.2	**79.7**
LOCAL SEED	LS4706GL	LLGT27	4.7	68.9	13.9	4	$742	–	77.3	57.2	72.2
STINE	46EB22 U	E3	4.6	68.8	13.7	5	$740	–	67.8	**59.1**	**79.5**
MID-ATLANTIC	MAS4355NRR2/STS	RR2Y,ST	4.3	68.6	14.1	7	$737	–	76.7	51.0	**78.1**
LOCAL SEED	ZS4694E3S	E3	4.6	68.5	13.7	7	$738	–	72.7	58.2	74.6
ASGROW	AG42X9 U	RRX	4.2	68.4	13.7	9	$738	–	72.8	**62.0**	70.4
SEED CONSULTANTS	SC 7390E	E3	3.9	68.3	14.2	3	$735	–	70.1	**62.0**	72.6
CREDENZ	CZ 4241GTLL	LLGT27	4.2	67.9	14.2	5	$731	–	67.3	**60.3**	76.0
CREDENZ	CZ 3930GTLL	LLGT27	3.9	67.3	14.2	10	$724	–	69.6	57.6	74.7
LOCAL SEED	LS3906GL	LLGT27	3.9	67.2	14.0	9	$723	–	**81.2**	52.9	67.5
HUBNER	H46-29R2X	RRX	4.6	67.0	14.0	7	$722	–	75.4	56.5	69.1
MID-ATLANTIC	MAS4666GT	GT	4.6	66.8	13.9	13	$718	–	68.9	52.0	**79.5**
MORSOY	MS 4800	E3	4.8	66.8	14.3	8	$719	–	72.1	56.6	71.7
LOCAL SEED	LS4795XS	RRX,ST	4.7	66.7	14.1	6	$719	–	70.8	57.9	71.5
MORSOY	MS 3907	RRX	3.9	66.4	14.1	5	$715	–	72.8	52.8	73.6
STINE	40EB22 U	E3	4.0	66.1	14.2	5	$711	–	72.9	53.1	72.4
HUBNER	H42-28R2X	RRX	4.2	65.8	13.6	6	$708	–	71.1	52.5	73.8
NK BRAND	S37-2E3S U	E3,ST	3.7	65.7	14.0	8	$707	–	67.4	55.8	73.8
SEED CONSULTANTS	SC 7421E	E3	4.2	65.6	14.0	10	$705	–	68.7	53.0	75.0
LOCAL SEED	LS4299XS	RRX,ST	4.2	65.6	13.8	9	$705	–	73.5	49.8	73.4
HUBNER	H43-27R2X	RRX	4.3	65.4	14.0	12	$703	–	70.8	50.2	75.3
LG SEEDS	LGS4632RX	RRX	4.6	65.3	14.3	13	$702	–	70.8	54.0	70.9
LOCAL SEED	LS3976X	RRX	3.9	65.1	13.9	11	$700	–	72.7	48.6	74.0
ASGROW	AG38X8 U	RRX	3.8	65.1	13.9	4	$700	–	74.0	50.5	70.7
STINE	43EB20 U	E3	4.3	65.0	13.8	5	$699	–	75.4	50.1	69.6
Averages =				65.9	14.0	8	$709		72.5	52.8	72.4
LSD (0.10) =				4.4	0.3	4.4			5.0	6.1	5.5

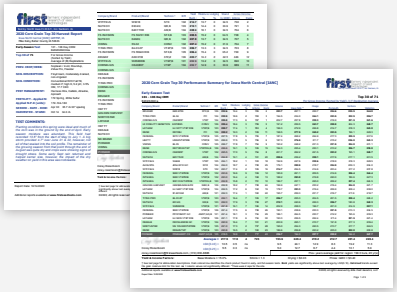
* Chestertown: lost to accidental herbicide injury

Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
ASGROW | Asgrow Brand (Bayer CropScience)					
www.asgrow.com					
800 N Lindbergh Blvd, St. Louis, MO 63167 | (314) 694-1000					
AG33X0 §	RRX	3.3	R	AC	IASO, ILNC, ILNO, ILSC, INCE, INNO, MONOa, NESE, OHNW, PASE
AG37X0 §	RRX	3.7	R	AC	ILNC, ILSC, PASE
AG38X8 §	RRX	3.8	R	na	DMNO, ILNC, ILSO, INCE, PASE
AG39X7 §	RRX,ST	3.9	R	ASfi,IL	DMNO, ILSC, ILSO, KSEC, KSNE, MOCE, NESE
AG42X9 §	RRX	4.2	R	ASfi,IL	DMNO, ILSO
CHEMGRO | Chemgro Seeds, Inc.					
www.chemgro.com					
PO Box 218, East Petersburg, PA 17520 | (800) 346-4769					
C3152RX	RRX	3.1	NA	En	PASE
C3354E	E3	3.3	NA	Untreated	PASE
C3751RXS	RRX,ST	3.7	R	En	DMNO, PASE
C3753E	E3	3.7	R	En	DMNO, PASE
CREDENZ | BASF					
www.agriculture.basf.com/us/en.html					
26 Davis Dr, Research Triangle Park, NC 27709 | (919) 547-2000					
CZ 2760GTLL	LLGT27	2.7	R	PV,IL,OB	IANCb, IANWb, IASCa, IASO, INNO, NENE, PASE, SDSE
CZ 2830GTLL	LLGT27	2.8	R	PV,IL,OB	IANCb, IANWb, IASCb, IASO, NENE, PASE, SDSE
CZ 2910GTLL	LLGT27	2.9	R	PV,IL,OB	IANCb, IASCb, IASO, PASE
CZ 3099GTLL	LLGT27	3.0	R	PV,IL,OB	IASCb, IASO, INNO, NENE, NESE, PASE
CZ 3309GTLL	LLGT27	3.3	R	PV,IL,OB	IASO, MONOa, PASE
CZ 3519GTLL	LLGT27	3.5	MR	PV,IL,OB	DMNO, IASO, MOCE, MONOa, NESE, PASE
CZ 3660GTLL	LLGT27	3.6	R	PV,IL,OB	IASO, INCE, KSNE, MOCE, NESE, PASE
CZ 3750GTLL	LLGT27	3.7	R	PV,IL,OB	INCE, KSNE, MOCE, MONOa, NESE, PASE
CZ 3840GTLL	LLGT27	3.8	MR	PV,IL,OB	DMNO, KSNE, MOCE, MONOb, NESE
CZ 3930GTLL	LLGT27	3.9	MR	PV,IL,OB	DMNO, KSEC, KSNE, MOCE, MONOb
CZ 4240GTLL	LLGT27	4.2	MR	PV,IL,OB	DMNO
CZ 4241GTLL	LLGT27	4.2	NA	PV,IL,OB	DMNO, KSEC, KSNE, MOCE, MONOb, NESE
CZ 4410GTLL	LLGT27	4.4	R	PV,IL,OB	DMNO, KSEC, KSNE, MOCE
CZ 4539GTLL	LLGT27	4.5	R	PV,IL,OB	DMNO, MOCE
HUBNER | Hubner Seed (Bayer CropScience)					
www.hubnerseed.com					
10280 W State Rd 28, West Lebanon, IN 47991 | (800) 328-4428					
H29-19R2X	RRX	2.9	R	AC	PASE
H32-29R2X	RRX	3.2	R	AC	PASE
H33-40R2X	RRX	3.3	R	AC	PASE
H35-27R2X	RRX	3.5	R	AC	PASE
H36-28R2X	RRX	3.6	R	AC	PASE
H40-29R2X	RRX	4.0	R	AC	DMNO
H42-28R2X	RRX	4.2	R	AC	DMNO
H43-27R2X	RRX	4.3	R	AC	DMNO
H46-29R2X	RRX	4.6	R	AC	DMNO
JACOBSEN | Jacobsen Hybrid Corn Company, Inc.					
www.jacobsenseed.com					
129 9th St, Lake View, IA 51450 | (800) 761-1024					
J3817GT GC	GT	3.8	R	EcTC	PASE
LG SEEDS | LG Seeds (AgReliant Genetics, LLC)					
http://www.lgseeds.com					
22827 Shissler Rd. Elmwood, IL 61529 | (800) 752-6847					
C2888RX GC	RRX	2.8	R	ASfi,IL	PASE
LGS3202RX GC	RRX	3.2	NA	ASfi,IL	ILSC, PASE
LGS3777RX GC	RRX	3.7	R	ASfi,IL	PASE
LGS3840RX	RRX	3.8	NA	ASfi,IL	DMNO
LGS4632RX	RRX	4.6	NA	ASfi,IL	DMNO
LOCAL SEED | Local Seed Company, LLC					
www.localseed.com					
802 Rozelle St, Memphis, TN 38104 | (901) 260-6000					
LS3005E3	E3	3.0	R	RP	INCE, INNO, OHNW, PASE
LS3205GL	LLGT27	3.2	R	RP	PASE
LS3207XS	RRX,ST	3.2	R	RP	INCE, INNO, OHNW, PASE
LS3606GL	LLGT27	3.6	R	RP	INCE, PASE
LS3906GL	LLGT27	3.9	R	RP	DMNO
LS3976X	RRX	3.9	R	RP	DMNO
LS4299XS	RRX,ST	4.2	R	RP	DMNO
LS4407X	RRX	4.4	R	RP	DMNO
LS4607XS	RRX,ST	4.6	R	RP	DMNO
LS4706GL	LLGT27	4.7	R	RP	DMNO
LS4795XS	RRX,ST	4.7	R	RP	DMNO
ZS2898GL	LLGT27	2.8	R	RP	INCE, INNO, OHNW, PASE
ZS3496GL	LLGT27	3.4	R	RP	INCE, INNO, OHNW, PASE
ZS3898E3S	E3	3.8	R	RP	INCE, PASE
ZS4694E3S	E3	4.6	R	RP	DMNO
MID-ATLANTIC | Mid-Atlantic Seeds, Inc.					
www.midatlanticseeds.com					
204 St, Charles Way #163E, York, PA 17402 | (800) 854-6251					
MAS2920E3	E3	2.9	NA	PS	PASE
MAS3220E3	E3	3.2	NA	PS	PASE
MAS3600E3/STS	E3	3.6		PS	PASE
MAS3717GT	E3	3.7	NA	PS	PASE
MAS4077GT/STS	RR,ST	4.0	NA	PS	DMNO
MAS4355NRR2/STS	RR2Y,ST	4.3	MR	PS	DMNO
MAS4666GT	GT	4.6	NA	PS	DMNO
MORSOY | MorSoy (MFA, Inc.)					
www.seed.mfa-inc.com/					
201 Ray Young Dr, Columbia, MO 65201 | (573) 874-5111					
MS 3907	RRX	3.9	R	PS	DMNO
MS 4616	RRX	4.6	R	PS	DMNO
MS 4800	E3	4.8	R	PS	DMNO
MS 4846	RRX	4.8	R	PS	DMNO
NK BRAND | NK Brand (Syngenta)					
www.nkseeds.com					
2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 | (800) 258-0521					
S27-M8X §	RRX	2.7	R	CMBV,SA	IANWb, IASCa, IASO, ILNO, NCSL, PASE
S33-D7X	RRX	3.3	R	CMBV,SA	DMNO, OHNW
S35-K9X §	RRX	3.5	R	CMBV,SA	DMNO, ILSC, INCE, PASE
S37-2E3S	E3,ST	3.7	MR	CMBV,SA	IASO, ILNC, ILSC, ILSO, INCE, KSNE, MOCE, MONOa, PASE
S39-G2X §	RRX	3.9	R	CMBV,SA	DMNO, ILSO, KSNE, MOCE, MONOb
PIONEER | DuPont Pioneer (Corteva Agriscience)					
www.pioneer.com					
PO Box 454, Johnston, IA 50131 | (800) 247-6803					
P28T14E §	E3	2.8	R	Lum,IL	IANCb, NENE, PASE
P31T64E §	E3	3.1	NA	Lum,IL	PASE
P32T26E §	E3	3.2	NA	Lum,IL	PASE
P39A58X §	RRX	3.9	R	Untreated	DMNO, ILSC, ILSO
P42A96X §	RRX	4.2	MR	Untreated	DMNO
P48A60X §	RRX	3.8	NA	Untreated	DMNO
SEED CONSULTANTS | Seed Consultants, Inc. (Corteva Agriscience)					
www.seedconsultants.com					
648 Miami Trace Rd SW, Washington Court House, OH 43160 | (800) 708-2676					
SC 7280E	E3	2.8	NA	Lum,IL	PASE
SC 7311E	E3	3.1	NA	Lum,IL	PASE
SC 7341E	E3	3.4	NA	Lum,IL	PASE
SC 7361E	E3	3.6	NA	Lum,IL	PASE
SC 7381E	E3	3.8	NA	Lum,IL	DMNO, PASE
SC 7390E	E3	3.9	NA	Lum,IL	DMNO
SC 7421E	E3	4.2	NA	Lum,IL	DMNO
SC 7461E	E3	4.6	NA	Lum,IL	DMNO
SC 8459X	RRX	4.5	MR	Lum,IL	DMNO
SEEDWAY | Seedway, LLC					
www.seedway.com					
1734 Railroad Place, Hall, NY 14463 | (800) 836-3710					
2832	RRX	2.8	R	AC	PASE
3393	E3	3.3	MR	AC	PASE
3445	RRX	3.4	R	AC	PASE
3566	RRX	3.5	MR	AC	PASE
STINE | Stine Seed Company					
www.stineseed.com					
22555 Laredo Trail, Adel, IA 50003 | (800) 362-2510					
33EC02 §	E3	3.3	R	VFI,SA	IASO, ILNC, ILSC, INNO, NESE, OHNW, PASE
36EB32 §	E3	3.6	R	VFI,SA	ILNC, ILSC, ILSO, INCE, KSNE, MOCE, MONOa, NESE, PASE
37EC20 §	E3	3.7	R	VFI,SA	ILSC, ILSO, INCE, MOCE, NESE, PASE
40EB22 §	E3	4.0	R	VFI,SA	DMNO, KSEC, KSNE
43EB20 §	E3	4.3	R	VFI,SA	DMNO, KSEC, KSNE, MONOb
46EB22 §	E3	4.6	R	VFI,SA	DMNO, KSEC

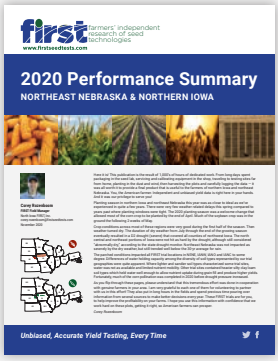
For more yield results visit www.firstseedtests.com
FIRST does not make product endorsements.

EFG, LLC
P.O. Box 1001
Urbana, IL 61803

More information available at www.firstseedtests.com



Harvest Reports and **Region Summaries** provide field and multi-county summaries of corn grain, soybean, and corn silage yield performance from locations that are representative of their areas. Find your local test results using interactive maps online. Sign up for free to receive email with links to the latest harvest reports at www.firstseedstest.com/signup/



Performance Summaries highlight the results from regions operated by our Field Managers (see introduction on the front cover). Yield performances of the Top 30 products are compiled to help you **FIND THE BEST SEED PRODUCTS** for your farm. All editions are available at www.firstseedtests.com/national-summary-reports/

NEW! Product Search provides all the yield results for individual corn grain and soybean products. Look up a product to review all of its FIRST tests including yield and yield advantage, field conditions, and report links at www.firstseedtests.com/product-search/

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