BakerAg

PIONEER®

2025 Brand Products

What's next happens here...

Baker.Ag

CORTEVA agriscience

The Long Look

The "Long Look," originally written in 1952, has reflected the Pioneer® brand business philosophy since our incorporation in 1926. While we have added and subtracted many products and services from our core seed corn business over the years, our "Long Look" has remained constant. This philosophy – our attitude toward research, production, marketing, and the worldwide network of Pioneer people – will always stay true to the four simple statements of business policy:

1. We strive to produce the **best products** on the market.
2. We **deal honestly** and **fairly** with our customers, employees, sales representatives, business associates and shareholders.
3. **We vigorously market our products without misrepresentation.**
4. We provide helpful management information to **assist customers in making optimum profits** from our products.

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>>> Important Dates

November 1st 2024
2% PIONEER Seed Early Order Discount

December 1st 2024
2024 Deferred Payment account balances due

December 11th 2024
PIONEER Seed Early Payment Deadline
Cash 25%
Defer Payment 22% (Prime-1)

February 28th 2025
TruChoice® Fund Deadline for
Corteva Chemicals and Biologicals

Since you're making an investment in the ag industry's finest corn and soybeans, we're glad to provide the service that helps you get the most from those seeds.

BAKER AG
PIONEER
SINCE 1983

- Seed Delivery
- Seed Treatments
- Granular Digital Solutions
- Data Management
- Field Plans
- Drone Imagery/Aerial Field Scouting

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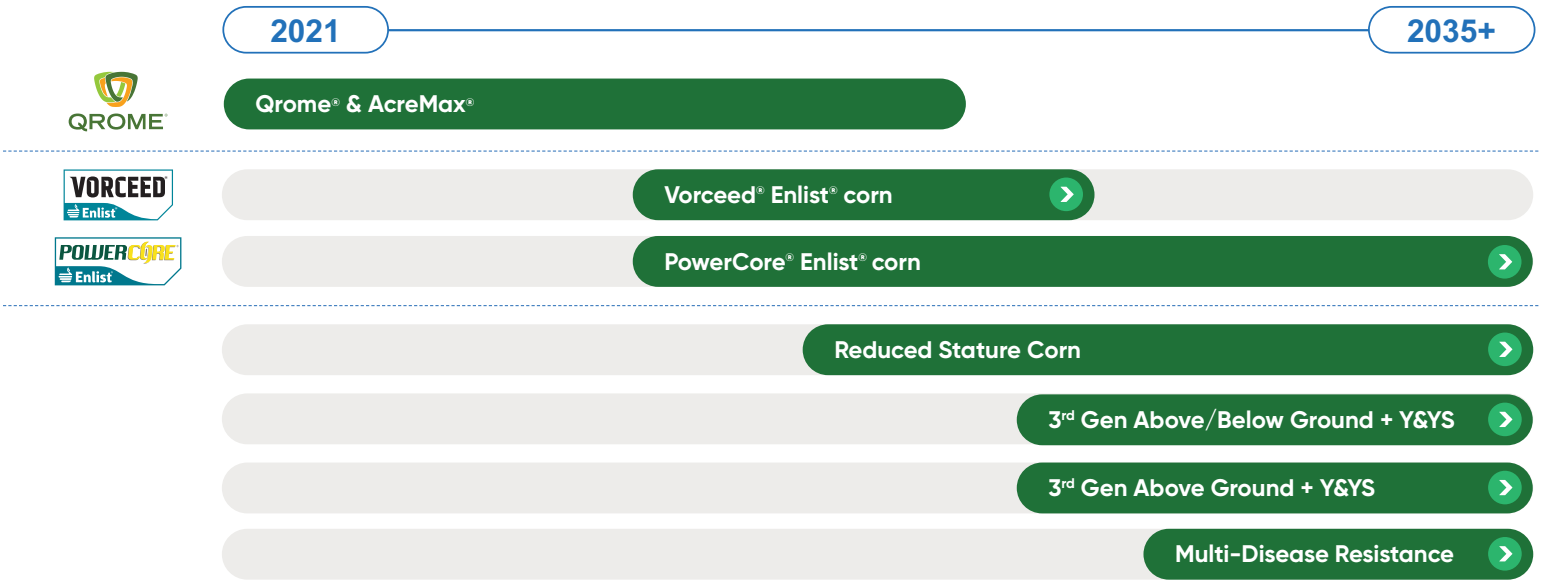
WHAT'S NEXT HAPPENS HERE

The Pioneer® corn portfolio today is comprised of elite genetics, advanced biotech trait options and best-in-class seed treatments. Future product innovations will build on our solid foundation of delivering a premium product performance through exclusive, tailored genetics and trait packages.

CORN INNOVATION: TODAY AND TOMORROW



ELITE CORN GENETICS + BEST TECHNOLOGY OPTIONS = **SUPERIOR PERFORMANCE**

Backed by an industry-leading R&D engine, the near-term pipeline will bring new technology and flexibility to farmers, with multiple long-term innovative options to follow.

RECENT PIPELINE INTRODUCTIONS

VORCEED Enlist

Enables multi-year flexibility to manage corn rootworm (CRW) acres through more options than any other CRW product with 6 modes of action to control insects and 4 modes of actions for weeds.

- 6 insect protection modes of action + 4 herbicide tolerance modes of action + enhanced yield potential and agronomics through broad germplasm compatibility
- Includes a new CRW protection mode of action in RNAi, combined with Cry3Bb1 and the proven Bt proteins in DP4114.
- With the inclusion of the Enlist® corn trait, Vorceed® Enlist® corn has tolerance to multiple herbicides, including 2,4-D choline, glyphosate, glufosinate, and FOP to allow maximum flexibility in weed management.

POWERCORE Enlist

A comprehensive trait package for above-ground pest acres and weed management options allows for peace of mind corn is protected.

- PowerCore® Enlist® corn features three modes of action for protection against broad-spectrum above-ground pests, including susceptible European corn borer, fall armyworm and Southwestern corn borer.
- Insect protection products available in a diverse lineup of high yield potential genetics across a wide range of maturities in both integrated refuge – PowerCore Enlist Refuge Advanced® corn - and structured refuge options.
- With the addition of the Enlist® corn trait, PowerCore Enlist corn has tolerance to multiple herbicides, including 2,4-D choline, glyphosate, glufosinate, and FOP to allow maximum flexibility in weed management.

POWERCORE ULTRA Enlist

A comprehensive trait package with additional technology for above ground-ground pest protection.

- Includes all the advantages and flexibility of PowerCore Enlist corn, with an additional mode of action for geographies that need additional protection against fall armyworm and western bean cutworm.
- Available in both integrated refuge – PowerCore® Ultra Enlist® Refuge Advanced® corn – and structured refuge options.

ENLIST® CORN FOR EFFECTIVE, NEIGHBOR-FRIENDLY WEED CONTROL.

Enlist CORN

- Part of the Enlist® weed control system, it enables flexible weed management with a wide application window for late-season broadleaf weed control
- Ease of use and confidence with applications of Enlist® herbicides

LONG-TERM PIPELINE OPPORTUNITIES

REDUCED STATURE CORN
- Yield stability through stress tolerances (wind)
- Corteva Agriscience is bringing new products to market that have been selected for high performance
- All season equipment access

NEW MOA LEPIDOPTERAN 3RD GEN ABOVE-GROUND PROTECTION
- Broad-spectrum control of above-ground lepidopteran pests
- Season-long protection with multiple modes of action
- New insect control proteins derived from Bt source diversify Corteva Agriscience's pipeline of proprietary Bts

NEW MOA CRW 3RD GEN BELOW-GROUND PROTECTION
- New, non-Bt protein sources protect roots by controlling corn rootworm
- Excellent efficacy against Western and Northern corn rootworm
- Corteva developed suite of proprietary traits

YIELD AND YIELD STABILITY TRAIT (Y&YS1)
- Improves grower productivity under a wide range of growing conditions, from stressed to optimal environments
- Consistent yield potential under high-stress conditions
- Corteva developed propriety technology

MULTI-DISEASE RESISTANCE TRAIT
- Delivers dominant disease resistance traits in elite hybrids
- Creates in-field management efficiencies
- Corteva-developed proprietary technology

LIBERTY LINK® Roundup Ready CORN 2 AgrisureRW AgrisureViptera

[1] Corteva Agriscience. Research studies of NDFD. Data on file, 2021.

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PIONEER® BRAND POWERCORE® ENLIST® CORN

POWERCORE® Enlist®

FLEXIBILITY
HAS NEVER LOOKED SO STRONG

BRINGING MORE YIELD POTENTIAL, PROTECTION AND FLEXIBILITY

YIELD POTENTIAL: 9.3 bu/A advantage vs. competitors offering maximized yield potential through elite genetics and agronomics

PROTECTION: Long-lasting insect control against key above-ground pests

FLEXIBILITY: Herbicide flexibility with tolerance to 2,4-D choline in Enlist® herbicides, glyphosate, glufosinate and FOP herbicide bringing a wider application window and low volatility

How does PowerCore® trait technology stack up?

Primary Pest Controlled	PowerCore® Enlist® corn	VT Double PRO® corn
Black cutworm	✓	NONE
European corn borer	✓✓✓	✓✓
Fall armyworm	✓✓✓	✓✓
Southwestern corn borer	✓✓✓	✓✓

3 modes of action

Checkmarks represent number of modes of action for control over specified pest.

* PowerCore Enlist corn requires a 5% refuge in the Corn Belt and a 20% refuge in cotton-growing areas.

Enlist™ weed control system

Economical weed control

– enhancing corn trait technology

Enlist® corn provides robust tolerance to 2,4-D choline in Enlist® herbicides, as well as glyphosate and FOP herbicides, providing more weed control options to give farmers more flexibility and choice in their field management.

Enlist® CORN

Hybrids tolerant to:			
2,4-D choline	Glyphosate	Glufosinate	FOP herbicides

Insect protection from PowerCore® or Vorceed™ trait technology

Additional benefits to the Enlist™ System

- Wider application window: no larger than V8 growth stage or 30"
- Low volatility
- Whole farm convenience

Roundup Ready CORN 2

LIBERTY LINK

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CORN ROOTWORM TECHNOLOGY OVERVIEW

Corn rootworm (CRW) damage or pressure is a concern for many farmers across the Corn Belt. With approximately 30-35 million acres of corn at risk of damage by CRW, it is important to understand new innovations in insect protection. There are two types of traits for below-ground CRW root protection: Bt and RNAi.

1. Bt proteins

Act as selective toxin and damages midgut lining of CRW larvae, leading to starvation

Speed of Action: **Faster**

- Feeding stops quickly
- Larval death in a few days

2. RNAi (RNA interference)

Interferes with translation of specific mRNA into proteins, preventing expression of critical CRW genes needed to survive

Speed of Action: **Slower** *(in laboratory studies)*

- Larval feeding continues until death
- Needs to be combined with effective Bt protein for root protection

LATEST INNOVATIONS IN INSECT PROTECTION TRAITS:

Vorceed® Enlist® corn from Corteva Agriscience™ offers industry-leading corn rootworm (CRW) protection and flexibility to manage tough weeds. Corteva is building a more durable, long-term pipeline than our competitors. We're paving the path forward to continue to offer industry leading traits that maximizes pest protection without sacrificing high-yield potential.

	QROME	VORCEED Enlist	SmartStax Pro	VT4Pro
ABOVE GROUND INSECT CONTROL	above B.t. trait MON810 (Cry1Ab)	above B.t. trait MON89034 (Cry1A.105)	above B.t. trait MON89034 (Cry1A.105)	above B.t. trait MON89034 (Cry1A.105)
	above B.t. trait DP4114 (Cry1F)	above B.t. trait MON89034 (Cry2Ab)	above B.t. trait MON89034 (Cry2Ab)	above B.t. trait MON89034 (Cry2Ab)
		above B.t. trait DP4114 (Cry1F)	above B.t. trait TC1507 (Cry1F)	above B.t. trait MIR162 (Vip3Aa20)
BELOW GROUND INSECT CONTROL	below B.t. trait DP4114 (Cry34Ab1/Cry35Ab1)	below B.t. trait DP4114 (Cry34Ab1/Cry35Ab1)	below B.t. trait DAS59122 (Cry34Ab1/Cry35Ab1)	RNAi MON87411 (DvSnf7)
	below B.t. trait MIR604 (mCry3A)	RNAi MON87411 (DvSnf7)	RNAi MON87411 (DvSnf7)	below B.t. trait MON87411 (Cry3Bb1)
		below B.t. trait MON87411 (Cry3Bb1)	below B.t. trait MON87411 (Cry3Bb1)	
HERBICIDE TOLERANCE	Glyphosate (NK603)	Glyphosate (MON87411)	Glyphosate (MON87411)	Glyphosate (MON87411)
	Glufosinate (pat)	Glufosinate (pat)	Glufosinate (pat)	
		Enlist 2,4-D (DAS40278)		
		FOPs (DAS40278)		

VORCEED® ENLIST® OFFERS MORE HIGH YIELD POTENTIAL, PEST PROTECTION AND HERBICIDE OPTION FLEXIBILITY.

A successful crop includes both maximizing yield potential and protecting yield potential with the right products, defensive traits, and agronomics. Building off the same breeding techniques as Qrome, Corteva Agriscience™ developed Vorceed® Enlist® with the Cry34Ab1/Cry35Ab1 Bt proteins (event DP4114). Corteva has worked more with the Cry34/35 protein and the events that deliver the protein than anyone. Corteva chose DP4114 for both products over 59122 for affiliated seed brands to offer our customers better agronomics, expression, and efficacy.

+7.8 bu/A

Qrome® products and Vorceed® Enlist® corn products

3 YEAR YIELD ADVANTAGE

over SmartStax, SmartStax Pro, VT Triple Pro® and VT4Pro™ competitor products.[1]

QROME® VORCEED® Enlist®

Corteva Agriscience supports a proactive, multi-year management plan for CRW population management that takes current pest levels, historical management tactics and crop rotations into account to manage CRW populations on a field-by-field basis.

	Qrome® products	Vorceed® Enlist®	*VT4Pro™*	*SmartStax® PRO*
Above- and below-ground protection	**4** MOA	**6** MOA including RNAi for CRW protection	**5** MOA including RNAi for CRW protection	**6** MOA including RNAi for CRW protection
Herbicide flexibility	**2** MOA	**4** MOA for more herbicide flexibilty	**1** MOA	**2** MOA
Germplasm compatibility	~**2**X the available germplasm with desired agronomic traits	~**2**X the available germplasm with desired agronomic traits	~**2**X the available germplasm with desired agronomic traits	Limited to germplasm compatibility with 59122
Rootworm larval control*	Enhanced with seed-applied technology package	Most complete CRW larval control package, enhanced with RNAi	Limited larval control with Bt in certain geographies, but enhanced with RNAi	Most complete CRW larval control package, enhanced with RNAi
Rootworm population management	Enhanced with crop rotation and other BMP's	Enhanced with RNAi, crop rotation and BMPs	Enhanced with RNAi, crop rotation and BMPs	Enhanced with RNAi, crop rotation and BMPs

AgrisureRW Roundup Ready CORN 2 LIBERTY LINK®

[1] Data is based on an average of 2021, 2022, 2023 comparisons made in the U.S. through Dec. 31, 2023. Comparisons are against all competitors, technology segment matched, unless otherwise stated, and within a +/-3 CRM of the competitive brand.

Multi-year and multi-location data are a better predictor of future performance. DO NOT USE THIS OR ANY OTHER DATA FROM A LIMITED NUMBER OF TRIALS AS A SIGNIFICANT FACTOR IN PRODUCT SELECTION.

* Various factors, including pest pressure, reduced susceptibility, and insect resistance in some pest populations may affect efficacy of certain corn technology products in some regions. To help extend durability of these technologies, Corteva Agriscience recommends you implement Integrated Pest Management (IPM) practices such as crop rotation, cultural and biological control tactics (including rotating sources of Bt-protected corn traits), pest scouting, and appropriate use of pest thresholds when employing management practices such as insecticide application. Qrome® products are approved for cultivation in the U.S. and Canada. They have also received approval in a number of importing countries, most recently China. For additional information about the status of regulatory authorizations, visit http://www.biotradestatus.com/

CORTEVA™ agriscience

PIONEER®

CORN TRAITS EXPLAINED

CORTEVA AGRISCIENCE™ SEED PRODUCTS OFFER EXCEPTIONAL CONTROL OF ABOVE-GROUND INSECTS

Maximize yield potential through tailored traits offering above-ground protection. Through continued investments in R&D, Corteva Agriscience has optimized the technology available for above-ground insect protection, leading to PowerCore® Enlist® and PowerCore® Ultra Enlist® products with the perfect balance of yield potential and insect defense.

	Optimum AcreMax ABOVE	POWERCORE Enlist	Optimum AcreMax ABOVE Leptra	POWERCORE ULTRA Enlist	*VTDoublePro*	*Trecepta*
ABOVE GROUND INSECT CONTROL	above B.t. trait MON810 (Cry1Ab) above B.t. trait TC1507 (Cry1F)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab) above B.t. trait TC1507 (Cry1F)	above B.t. trait MON810 (Cry1Ab) above B.t. trait TC1507 (Cry1F) above B.t. trait MIR162 (Vip3Aa)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab) above B.t. trait TC1507 (Cry1F) above B.t. trait MIR162 (Vip3Aa)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab) above B.t. trait MIR162 (Vip3Aa)
HERBICIDE TOLERANCE	Glyphosate (NK603) Glufosinate (pat)	Glyphosate (NK603) Glufosinate (pat) Enlist 2,4-D (DAS40278) FOPs (DAS40278)	Glyphosate (NK603) Glufosinate (pat)	Glyphosate (NK603) Glufosinate (pat) Enlist 2,4-D (DAS40278) FOPs (DAS40278)	Glyphosate (NK603)	Glyphosate (NK603)

AgrisureViptera · Roundup Ready CORN 2 · LIBERTY LINK®

Following burndown, Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use with Enlist® crops. Consult Enlist® herbicide labels for weed species controlled. Enlist Duo and Enlist One herbicides are not registered for use or sale in all states and counties; are not registered in AK, CA, CT, HI, ID, MA, ME, MT, NH, NV, OR, RI, UT, VT, WA and WY; and have additional subcounty restrictions in AL, GA, TN and TX, while existing county restrictions still remain in FL. All users must check "Bulletins Live! Two" no earlier than six months before using Enlist One or Enlist Duo. To obtain "Bulletins," consult epa.gov/espp/, call 1-844-447-3813, or email ESPP@epa.gov. You must use the "Bulletin" valid for the month and state and county in which Enlist One or Enlist Duo are being applied. Contact your state pesticide regulatory agency if you have questions about the registration status of Enlist® herbicides in your area. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO USE ANY PESTICIDE PRODUCT OTHER THAN IN ACCORDANCE WITH ITS LABELING. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USE IN THE STATE OF APPLICATION. USE OF PESTICIDE PRODUCTS, INCLUDING, WITHOUT LIMITATION, 2,4-D-CONTAINING PRODUCTS NOT AUTHORIZED FOR USE WITH ENLIST CROPS, MAY RESULT IN OFF-TARGET DAMAGE TO SENSITIVE CROPS/AREAS AND/OR SUSCEPTIBLE PLANTS, IN ADDITION TO CIVIL AND/OR CRIMINAL PENALTIES. Additional product-specific stewardship requirements for Enlist crops, including the Enlist Product Use Guide, can be found at www.traitstewardship.com. Agrisure® is a registered trademark of, and used under license from, a Syngenta Group Company. Agrisure® technology incorporated into these seeds is commercialized under a license from Syngenta Crop Protection AG. POWERCORE® is a registered trademark of Bayer Group. POWERCORE® multi-event technology developed by Corteva Agriscience and Bayer Group. Liberty®, LibertyLink® and the Water Droplet Design are registered trademarks of BASF. ®Roundup and Roundup Ready are registered trademarks of Bayer Group. Agrisure Viptera® is a registered trademark of, and used under license from, a Syngenta Group Company. Agrisure® technology incorporated into these seeds is commercialized under a license from Syngenta Crop Protection AG. Always follow IRM, grain marketing and all other stewardship practices and pesticide label directions. B.t. products may not yet be registered in all states. Check with your seed representative for the registration status in your state. Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents. ™ ® Trademarks of Corteva Agriscience and its affiliated companies. Always read and follow label directions. (022881) 023344-2 PIO (08/24)

CORTEVA™ agriscience

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CORN TRAITS EXPLAINED

CORTEVA AGRISCIENCE SEED PRODUCTS OFFER EXCEPTIONAL CONTROL OF CRW PESTS

Maximize yield potential through tailored traits offering above- and below-ground protection. Through continued investments in R&D, Corteva Agriscience has optimized the technology available for corn rootworm (CRW) control, leading to Qrome® and Vorceed® Enlist® products with the perfect balance of yield potential and insect defense.

	Optimum AcreMax Above Below Xtreme	Qrome	Vorceed Enlist	SmartStax Rib complete	SmartStax Pro	VT4Pro
ABOVE GROUND INSECT CONTROL	above B.t. trait MON810 (Cry1Ab) above B.t. trait TC1507 (Cry1F)	above B.t. trait MON810 (Cry1Ab) above B.t. trait DP4114 (Cry1F)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab) above B.t. trait DP4114 (Cry1F)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab) above B.t. trait TC1507 (Cry1F)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab) above B.t. trait TC1507 (Cry1F)	above B.t. trait MON89034 (Cry1A.105) above B.t. trait MON89034 (Cry2Ab) above B.t. trait MIR162 (Vip3Aa20)
BELOW GROUND INSECT CONTROL	below B.t. trait DAS59122 (Cry34Ab1/Cry35Ab1) below B.t. trait MIR604 (mCry3A)	below B.t. trait DP4114 (Cry34Ab1/Cry35Ab1) below B.t. trait MIR604 (mCry3A)	below B.t. trait DP4114 (Cry34Ab1/Cry35Ab1) RNAi MON87411 (DvSnf7) below B.t. trait MON87411 (Cry3Bb1)	below B.t. trait DAS59122 (Cry34Ab1/Cry35Ab1) below B.t. trait MON88017 (Cry3Bb1)	below B.t. trait DAS59122 (Cry34Ab1/Cry35Ab1) RNAi MON87411 (DvSnf7) below B.t. trait MON87411 (Cry3Bb1)	RNAi MON87411 (DvSnf7) below B.t. trait MON87411 (Cry3Bb1)
HERBICIDE TOLERANCE	Glyphosate (NK603) Glufosinate (pat)	Glyphosate (NK603) Glufosinate (pat)	Glyphosate (MON87411) Glufosinate (pat) Enlist 2,4-D (DAS40278) FOPs (DAS40278)	Glyphosate (MON88017) Glufosinate (pat)	Glyphosate (MON87411) Glufosinate (pat)	Glyphosate (MON87411)

AgrisureRW · Roundup Ready CORN 2 · LIBERTY LINK · Enlist CORN

Following burndown, Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use with Enlist® crops. Consult Enlist® herbicide labels for weed species controlled. Enlist Duo and Enlist One herbicides are not registered for use or sale in all states and counties; are not registered in AK, CA, CT, HI, ID, MA, ME, MT, NH, NV, OR, RI, UT, VT, WA and WY; and have additional subcounty restrictions in AL, GA, TN and TX, while existing county restrictions still remain in FL. All users must check "Bulletins Live! Two" no earlier than six months before using Enlist One or Enlist Duo. To obtain "Bulletins," consult epa.gov/espp/, call 1-844-447-3813, or email ESPP@epa.gov. You must use the "Bulletin" valid for the month and state and county in which Enlist One or Enlist Duo are being applied. Contact your state pesticide regulatory agency if you have questions about the registration status of Enlist® herbicides in your area. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO USE ANY PESTICIDE PRODUCT OTHER THAN IN ACCORDANCE WITH ITS LABELING. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USE IN THE STATE OF APPLICATION. USE OF PESTICIDE PRODUCTS, INCLUDING, WITHOUT LIMITATION, 2,4-D-CONTAINING PRODUCTS NOT AUTHORIZED FOR USE WITH ENLIST CROPS, MAY RESULT IN OFF-TARGET DAMAGE TO SENSITIVE CROPS/AREAS AND/OR SUSCEPTIBLE PLANTS, IN ADDITION TO CIVIL AND/OR CRIMINAL PENALTIES. Additional product-specific stewardship requirements for Enlist crops, including the Enlist Product Use Guide, can be found at www.traitstewardship.com. Agrisure® is a registered trademark of, and used under license from, a Syngenta Group Company. Agrisure® technology incorporated into these seeds is commercialized under a license from Syngenta Crop Protection AG. Roundup and Roundup Ready® are registered trademarks of Bayer Group. Liberty®, LibertyLink® and the Water Droplet Design are trademarks of BASF. Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents. ™ ® Trademarks of Corteva Agriscience and its affiliated companies. Always read and follow label directions. (022186) 023344-1 PIO (08/24)

CORTEVA™ agriscience

Characterizing corn insect protection technology

PIONEER®

ABOVE-GROUND INSECT PROTECTION

		European corn borer#	Southwestern corn borer#	Black cutworm	Corn earworm#	Western bean cutworm*	Fall armyworm#	Herbicide tolerance
Options in the Pioneer® brand portfolio	**Optimum® AcreMax® PRODUCTS**	+++▾	+++▾	++	+	–	++	glyphosate, glufosinate
	Optimum® AcreMax® Leptra® & Optimum® Leptra® PRODUCTS	+++▾	+++▾	+++▾	+++	+++	+++▾	glyphosate, glufosinate
	Optimum® Intrasect® PRODUCTS	+++▾	+++▾	++	+	–	++	glyphosate, glufosinate
	PowerCore® Enlist® corn PRODUCTS	+++▾	+++▾	++	+	–	++▾	2,4-D choline, glyphosate, glufosinate, FOP
	PowerCore® Ultra Enlist® corn PRODUCTS	+++▾	+++▾	+++▾	+++	+++	+++▾	2,4-D choline, glyphosate, glufosinate, FOP
Competitive products	**VT Double PRO® RIB Complete® corn**	+++▾	+++▾	–	+	–	++▾	glyphosate
	Trecepta® corn	+++▾	+++▾	+++	+++	+++	+++▾	glyphosate
	Agrisure® 3120 E-Z Refuge® corn	+++▾	+++▾	++	+	–	++	glyphosate, glufosinate
	Agrisure® 3330 E-Z Refuge® corn	+++▾	+++▾	+++	+++	+++	+++▾	glyphosate, glufosinate

+++ Excellent protection ++ Good protection + Some protection – No activity/not labelled ▾2 or more working modes of action

ABOVE- AND BELOW-GROUND INSECT PROTECTION

		Corn rootworm (western#, northern, Mexican)	European corn borer	Southwestern corn borer#	Black cutworm	Corn earworm#	Western bean cutworm#	Fall armyworm#	Herbicide tolerance
Options in the Pioneer® brand portfolio	**Qrome® PRODUCTS**	++▼	+++▼	+++▼	++	+	–	++	glyphosate, glufosinate
	Optimum® AcreMax® XTreme PRODUCTS	++▼	+++▼	+++▼	++	+	–	++	glyphosate, glufosinate
	Vorceed® Enlist® corn PRODUCTS	+++▼	+++▼	+++▼	++	+	–	++▼	2,4-D choline, glyphosate, glufosinate, FOP
Competitive products	**SmartStax® Technology**	++▼	+++▼	+++▼	++	+	–	++▼	glyphosate, glufosinate
	SmartStax® PRO Technology	+++▼	+++▼	+++▼	++	+	–	++▼	glyphosate, glufosinate
	VT4PRO™ with RNAi Technology	++▼	+++▼	+++	+++	+++	+++	+++▼	glyphosate
	Agrisure® Duracade® 5122 E-Z Refuge® corn	++▼	+++▼	+++▼	++	+	–	++	glyphosate, glufosinate

+++ Excellent protection ++ Good protection + Some protection – No activity/not labelled ▼2 or more working modes of action

Characterization from Internal Corteva Agriscience Attributes database.

Efficacy levels based on Corteva Agriscience and/or independent university entomologist results against susceptible insect populations. Product responses can vary by location, pest population, environmental conditions, and agricultural practices.

Please contact your Pioneer sales professional for information and suggestions specific to your operation. Individual results may vary.

Various factors, including pest pressure, reduced susceptibility, and insect resistance in some pest populations may affect efficacy of certain corn technology products in some regions. To help extend durability of these technologies, Corteva Agriscience recommends you implement Integrated Pest Management (IPM) practices such as crop rotation, cultural and biological control tactics (including rotating sources of Bt-protected corn traits), pest scouting, and appropriate use of pest thresholds when employing management practices such as insecticide application.You must also plant the required refuge when using these technologies. Please contact your sales professional or consult with your local university extension for more information regarding insect resistance management guidelines, best management practices and to understand whether there has been a shift in susceptibility or insect resistance with certain pests documented in your area.
* Western bean cutworm has been removed from the Corteva Agriscience product use statement for several corn products that contain Herculex® I (Cry1F) but lack another mode of action for western bean cutworm due to a wide-spread decrease in susceptibility indicating the possibility of field-evolved resistance to Cry1F in most geographies.

Western bean cutworm has been removed from the Corteva Agriscience product use statement for several corn products that contain Herculex® I (Cry1F) but lack another mode of action for western bean cutworm due to a wide-spread decrease in susceptibility indicating the possibility of field-evolved resistance to Cry1F in most geographies.

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Agrisure® and Agrisure Viptera® are trademarks of, and used under license from, a Syngenta Group Company. Agrisure® technology incorporated into these seeds is commercialized under a license from Syngenta Crop Protection AG.

Following burndown, Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use with Enlist® crops. Consult Enlist® herbicide labels for weed species controlled. Enlist Duo and Enlist One herbicides are not registered for use or sale in all states and counties; are not registered in AK, CA, CT, HI, ID, MA, ME, MT, NH, NV, OR, RI, UT, VT, WA and WY; and have additional subcounty restrictions in AL, GA, TN and TX, while existing county restrictions still remain in FL. All users must check "Bulletins Live! Two" no earlier than six months before using Enlist One or Enlist Duo. To obtain "Bulletins," consult epa.gov/espp/, call 1-844-447-3813, or email ESPP@epa.gov. You must use the "Bulletin" valid for the month and state and county in which Enlist One or Enlist Duo are being applied. Contact your state pesticide regulatory agency if you have questions about the registration status of Enlist® herbicides in your area. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO USE ANY PESTICIDE PRODUCT OTHER THAN IN ACCORDANCE WITH ITS LABELING. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USE IN THE STATE OF APPLICATION. USE OF PESTICIDE PRODUCTS, INCLUDING, WITHOUT LIMITATION, 2,4-D-CONTAINING PRODUCTS NOT AUTHORIZED FOR USE WITH ENLIST CROPS, MAY RESULT IN OFF-TARGET DAMAGE TO SENSITIVE CROPS/AREAS AND/OR SUSCEPTIBLE PLANTS, IN ADDITION TO CIVIL AND/OR CRIMINAL PENALTIES. Additional product-specific stewardship requirements for Enlist crops, including the Enlist Product Use Guide, can be found at www.traitstewardship.com.

CORTEVA™ agriscience

PIONEER®

2024-2025 LEADER PIONEER® BRAND

CORN PRODUCTS

BakerAg

P9955PCE/P9955V™ NEW

99 CRM | 99 SILK CRM

- New PowerCore/Vorceed option
- P0035 type yields with dryer grain at harvest
- Excellent Test Weight
- Position on average to above average soils

P0487PCE™ NEW /P0487

104 CRM | 103 SILK CRM

- Versatile new PowerCore option
- Great ear flex + AQUAMax drought tolerance
- Very good disease package, including Tar Spot
- Can get tall on mucky soils

P0720AM™

107 CRM | 106 SILK CRM

- Dependable hybrid for every acre in Northern IN
- Very sound disease package
- Good grain quality

P0924™/P0924WX™

109 CRM | 109 SILK CRM

- Sound, mid-season hybrid at home on any acre
- Very disease staygreen at harvest
- Well balance disease package
- Nice grain quality

P0953AM™

109 CRM | 111 SILK CRM

- Offensive mid-season hybrid
- Best used on irrigated acres or productive soils
- Great plant heath
- Average Gibberella ear rot tolerance

P1027AM ™ NEW

110 CRM | 109 SILK CRM

- Very high tip-end yield potential
- Moderate plant height with lower ear placement
- Responds very well to irrigated acres
- Average Gibberella ear rot tolerance

P0315V™ INTRO

103 CRM | 102 SILK CRM

- New AQUAMAX Vorceed hybrid
- Great option for the stressed continuous corn acre
- Strong Disease tolerance
- Versatile product placement

P04922Q™

104 CRM | 101 SILK CRM

- Sound agronomic hybrid with versatile placement
- Industry leading Tar Spot tolerance
- Great stalks and roots
- Moderate plant height is great for peat soils

P0859AM™

108 CRM | 111 SILK CRM

- Rock solid agronomics/yields to compliment/replace P0720AM
- Good root and stalk strength
- Disease package similar to P0720
- Average grain quality

P09312V™ INTRO

109 CRM | 108 SILK CRM

- Stress tolerant hybrid with top-end yield potential
- Strong stalks and roots
- Average Tar Spot tolerance so manage appropriately
- Versatile placement on all soils

P0995AM™

109 CRM | 109 SILK CRM

- Versatile hybrid for challenging soils
- Very good emergence and early season growth
- Balanced plant health package

P10477V™ NEW

110 CRM | 112 SILK CRM

- Offensive Vorceed hybrid
- Nice moderate plant stature and ear height
- Well balanced disease package
- Strong roots

P10811AM™ NEW

110 CRM | 111 SILK CRM

- Eastern adapted genetics best suited for clay soils
- Low root strength needs to be managed
- Average Tar Spot tolerance
- Average test weight

P13777PCE™ /P13777V™ INTRO

113 CRM | 112 SILK CRM

- Leader product at this maturity with improved yield/agronomics
- Very good roots and stalks
- Improved drought tolerance
- Solid disease package

P14830AML™ P14830Q™ NEW

114 CRM | 112 SILK CRM

- Offensive full season hybrid
- Moderate plant stature with good ear placement
- Good Tar Spot and NCLB tolerance
- Good grain quality

P1108Wx™

111 CRM | 110 SILK CRM

- New Waxy addition on proven genetics
- Versatile placement with strong response under irrigation
- Good plant heath package
- Very consistent hybrid

P1383AM™

113 CRM | 111 SILK CRM

- Versatile hybrid that fits all acres
- Well balance disease package
- Manage early root strenghtInsert bullet copy

P1742PCE™ NEW

117 CRM | 115 SILK CRM

- Full season yield leader
- Moderate plant/ear height not normally seen in full season corn
- Outstanding staygreen and Tar Spot tolerance
- Good grain quality

All Pioneer corn products are hybrids. All Pioneer products denoted with ™ are brand names. If corn product designated with AM, AML, AMT, AMX, AMXT, Q, V, PCE, PCUE, PWE & PWUE, it is a blend/mixture.

AM - Optimum® AcreMax® insect protection system with YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax products. **AMT** - Optimum® AcreMax® TRIsect® insect protection system with RW, YGCB, HX1, LL, RR2. Contains a single-bag refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the Bt trait, and the Herculex® I gene. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax TRIsect products. **AMX** - Optimum® AcreMax® Xtra insect protection system with YGCB, HXX, LL, RR2. Contains a single-bag integrated refuge solution for above- and below-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax Xtra products. **AMXT** (Optimum® AcreMax® XTreme) - Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the Bt trait and the Herculex® XTRA gene. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax XTreme products. **Q** (Qrome®) - Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the Bt trait, and the Herculex® XTRA gene. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Qrome products. **YGCB,HX1,LL,RR2** (Optimum® Intrasect®) - Contains the Bt trait and Herculex® I gene for resistance to corn borer. **AML** - Optimum® AcreMax® Leptra® products with AVBL, YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax Leptra products. **AVBL,YGCB,HX-1,LL,RR2** (Optimum® Leptra®) - Contains the Agrisure Viptera® trait, the Bt trait, the Herculex® I gene, the LibertyLink® gene and the Roundup Ready® Corn 2 trait. **V** – Vorceed® Enlist® products with V,LL, RR2, ENL. Contains a single-bag integrated refuge solution with multiple modes of action for above- and below-ground insects. The major component contains the Herculex® XTRA genes, the RW3 trait and the VTP trait. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted for Vorceed Enlist products. **PCE** - Powercore® Enlist® Refuge Advanced® corn products with HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Enlist Refuge Advanced products. **PCUE** - Powercore® Ultra Enlist® Refuge Advanced® corn products with AVBL, HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Ultra Enlist Refuge Advanced products. **PWUE** - PowerCore® Ultra Enlist® corn products with AVBL, HX1, VTP, ENL, LL, RR2. A separate 5% corn borer refuge in the corn belt, and a separate 20% corn borer refuge in EPA-designated cotton-growing counties must be planted PowerCore Ultra Enlist products. **HX1** - Contains the Herculex® I insect protection gene which provides protection against European corn borer, southwestern corn borer, black cutworm, fall armyworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer; and suppresses corn earworm. **HXX** - Herculex® XTRA contains the Herculex® I and Herculex® RW gene. **YGCB** – The Bt trait offers a high level of resistance to European corn borer, southwestern corn borer and southern cornstalk borer; moderate resistance to corn earworm and common stalk borer; and above average resistance to fall armyworm. **LL** - Contains the LibertyLink® gene for resistance to Liberty® herbicide. **LR** - Contains the LibertyLink® gene and the Roundup Ready® Corn 2 trait. **RR2** - Contains the Roundup Ready® Corn 2 trait that provides crop safety for over the-top applications of labeled glyphosate herbicides when applied according to label directions. **AQ** – Optimum® AQUAmax® product. **Product performance in water-limited environments is variable and depends on many factors such as the severity and timing of moisture deficiency, heat stress, soil type, management practices and environmental stress as well as disease and pest pressures. All products may exhibit reduced yield under water and heat stress. Individual results may vary.**

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CORTEVA™ agriscience

Suitability Ratings for North Central Indiana Corn Products - 2025

Updated: Jun 24, 2024

Pioneer Hybrid/Brand***	CRM (Silk CRM)	Planting Populations		Characteristic and Disease Ratings				High Yield	Variable Yield	Low Yield	Early Planting	Corn on Corn	Late Harvest	Tar Spot	Fungicide Response		Product Management Suggestions
		Yield Level	Recommendation for 30 inch rows												GLS	NCLB	
P0035AM™	100 (98)	120-160 Bu	28,000	Emergence	5	Drought	9	HS	HS	HS	HS	S	S	7	HP	MP	Both offensive and defensive 100 day corn coupling fuller season corn type yields with AquaMax stress tolerance. Very good tar spot tolerance due to it's staygreen, but manage green snap potential.
		160-200 Bu	31,000	Roots	6	Staygreen	8										
		200-240 Bu	35,000	Stalks	5	NCLB	5										
		>240 Bu	38,000	Brittle	3	GLS	4										
P0421AM™	104 (98)	120-160 Bu	28,000	Emergence	6	Drought	6	HS	S	S	HS	HS	S	7	MP	LP	Early silking hybrid with great roots and stalks. Has shown very good Tar Spot tolerance and fits muck and irrigated soils of Northern IN particularly well with its outstanding roots and moderate height.
		160-200 Bu	31,000	Roots	8	Staygreen	6										
		200-240 Bu	34,000	Stalks	6	NCLB	5										
		>240 Bu	37,500	Brittle	6	GLS	4										
P0487 P0487PCE™ P0487Q™	104 (103)	120-160 Bu	25,000	Emergence	5	Drought	9	HS	HS	HS	S	HS	S	6	MP	LP	High yielding hybrid any acre with good late season health. Good Tar Spot tolerance, outstanding drought tolerance, and pleanty of ear flex make it a top candidate for variable Northern IN soils.
		160-200 Bu	28,500	Roots	5	Staygreen	5										
		200-240 Bu	31,000	Stalks	5	NCLB	6										
		>240 Bu	34,500	Brittle	6	GLS	5										
P04922Q	104 (101)	120-160 Bu	25,500	Emergence	6	Drought	7	S	HS	HS	S	HS	S	8	MP	LP	Highest rated Tar Spot tolerance of any hybrid we sell. Great combination of stong roots, stalks, and drought tolerance make it a perfect fit on all Northern Indiana soils.
		160-200 Bu	28,000	Roots	7	Staygreen	5										
		200-240 Bu	31,000	Stalks	7	NCLB	6										
		>240 Bu	34,500	Brittle	5	GLS	4										
P0720 P0720AM™ P0720Q™ P0720WX™	107 (106)	120-160 Bu	31,000	Emergence	5	Drought	8	HS	HS	HS	S	MA	HS	7	HP	LP	Leader Product! Exceptional roots provides outstanding drought tolerance supporting placement on sand ground and in heavy clay soils. Strong stalks with average NLB. Manage GLS. Rapid drydown.
		160-200 Bu	32,000	Roots	7	Staygreen	6										
		200-240 Bu	35,500	Stalks	6	NCLB	6										
		>240 Bu	37,000	Brittle	4	GLS	4										
P0859AM™	108 (111)	120-160 Bu	31,000	Emergence	4	Drought	7	HS	HS	HS	S	S	HS	5	MA	MP	Package on the farm with P0720AM and P0953AM. Showed great versatility under stress with very high top end potential. Solid disease package with great stalks at harvest.
		160-200 Bu	32,000	Roots	6	Staygreen	7										
		200-240 Bu	35,500	Stalks	7	NCLB	6										
		>240 Bu	37,000	Brittle	6	GLS	5										
P0924 P0924Q™ P0924WX™	109 (109)	120-160 Bu	28,500	Emergence	6	Drought	7	HS	HS	S	S	HS	S	6	MP	LP	High yielding triple stack, waxy, and non-GMO hybrid with great agronomics. Above average roots and brittle tolerance. Good test weight. Moderate resistance to GLS and above average Tar Spot resistance and Tar Spot.
		160-200 Bu	31,000	Roots	6	Staygreen	6										
		200-240 Bu	33,500	Stalks	5	NCLB	6										
		>240 Bu	36,000	Brittle	6	GLS	5										
P0953AM™	109 (111)	120-160 Bu	27,000	Emergence	5	Drought	6	HS	S	MA	S	S	S	5	MP	MP	More fit to top-end yielding soils or under irrigation. Shorter plant stature, low ear placement, dark green canopy. Above average stalks and roots. Keep populations moderated, even under higher yield potential.
		160-200 Bu	29,000	Roots	6	Staygreen	6										
		200-240 Bu	31,000	Stalks	6	NCLB	6										
		>240 Bu	33,000	Brittle	6	GLS	5										
P0995AM™	109 (109)	120-160 Bu	29,000	Emergence	5	Drought	9	S	HS	HS	S	S	S	5	MP	MP	Lead stress hybrid with good drought tolerance and solid agronomics. Wide area adaptation on tough variable soils. Moderate resistance to GLS and Tar Spot.
		160-200 Bu	31,000	Roots	5	Staygreen	6										
		200-240 Bu	33,000	Stalks	5	NCLB	5										
		>240 Bu	35,000	Brittle	6	GLS	5										
P1027AM™	110 (109)	120-160 Bu	27,000	Emergence	4	Drought	6	HS	S	MA	S	S	S	6	MA	MP	**YIELD LEADER.** High yielding AM with very high yield potential. Make sure to place on well drained, good soils or under irrigation. Good Tar Spot tolerance.
		160-200 Bu	30,000	Roots	6	Staygreen	6										
		200-240 Bu	32,000	Stalks	5	NCLB	6										
		>240 Bu	34,000	Brittle	6	GLS	5										
P10811AM™	110 (111)	120-160 Bu	27,000	Emergence	5	Drought	6	HS	S	S	HS	S	S	4	MP	MP	NEW High yielding hybrid with weaker root strength. Best kept on tighter soils that can anchor the plants better and manage the lower Tar Spot tolerance.
		160-200 Bu	30,000	Roots	4	Staygreen	8										
		200-240 Bu	32,500	Stalks	6	NCLB	6										
		>240 Bu	35,000	Brittle	7	GLS	4										
P1108Wx	111 (110)	120-160 Bu	29,000	Emergence	6	Drought	7	HS	HS	S	S	HS	S	6	MP	MP	Agronomically sound hybrid with tremendous yield and consistent performance across all environmenents. Moderate plant stature with strong stalks and an all around strong disease package.
		160-200 Bu	31,000	Roots	5	Staygreen	7										
		200-240 Bu	33,000	Stalks	6	NCLB	5										
		>240 Bu	35,000	Brittle	6	GLS	5										

Suitability Ratings for North Central Indiana Corn Products - 2025

Updated: Jun 24, 2024

Pioneer Hybrid/Brand***	CRM (Silk CRM)	Planting Populations		Characteristic and Disease Ratings				High Yield	Variable Yield	Low Yield	Early Planting	Corn on Corn	Late Harvest	Tar Spot	Fungicide Response		Product Management Suggestions
		Yield Level	Recommendation for 30 inch rows												GLS	NCLB	
P1136AM™	111 (112)	120-160 Bu	29,000	Emergence	5	Drought	6	HS	HS	S	S	S	S	6	MP	MP	**YIELD LEADER**. Widely adapted mid-season hybrid for the well drained, mid to highly productive acre. Strong stalks and roots, especially late roots. Good foliar disease package. Very nice grain quality/TW.
		160-200 Bu	32,000	Roots	6	Staygreen	5										
		200-240 Bu	34,000	Stalks	5	NCLB	5										
		>240 Bu	37,000	Brittle	5	GLS	5										
P1170AM™	111 (111)	120-160 Bu	26,500	Emergence	5	Drought	7	S	HS	HS	S	S	S	6	MA	MA	**STRESS HYBRID**. Southern adapted mid-season hybrid providing solid stress potential and top-end yields. Best kept off loose, loamy soils due to lower root and willowing score. Very consistent performance on challenged soils.
		160-200 Bu	30,000	Roots	5	Staygreen	7										
		200-240 Bu	32,000	Stalks	6	NCLB	6										
		>240 Bu	34,500	Brittle	5	GLS	5										
P1185 P1185AM™ P1185Q™	111 (110)	120-160 Bu	28,000	Emergence	4	Drought	7	HS	S	S	S	HS	S	6	HP	LP	Stable hybrid for most acres across Northern IN. Short stature plant with tremendous root strength, standability, and Tar Spot resistance. High test weight and exceptional grain quality. Manage GLS.
		160-200 Bu	30,000	Roots	7	Staygreen	6										
		200-240 Bu	32,000	Stalks	6	NCLB	6										
		>240 Bu	34,000	Brittle	6	GLS	4										
P1197 P1197AM™ P1197WX™	111 (113)	120-160 Bu	28,000	Emergence	5	Drought	6	HS	S	S	S	HS	HS	6	MP	LP	Industry leading consistency with proven performance; on both high yield and variable soils. Dependable agronomics. Tremendous staygreen with above average resistance to Tar Spot.
		160-200 Bu	30,000	Roots	5	Staygreen	8										
		200-240 Bu	32,000	Stalks	7	NCLB	6										
		>240 Bu	35,000	Brittle	5	GLS	5										
P1222 P1222AM™	112 (114)	120-160 Bu	28,000	Emergence	6	Drought	6	HS	HS	S	S	S	S	5	MP	MP	Best performance on moderate to high yield soils. Strong overall agronomic package. Above average stalks and roots. Great staygreen with moderate resistance to GLS and Tar Spot.
		160-200 Bu	30,000	Roots	6	Staygreen	7										
		200-240 Bu	32,000	Stalks	6	NCLB	5										
		>240 Bu	34,000	Brittle	4	GLS	5										
P1359 P1359WX™	113 (113)	120-160 Bu	28,000	Emergence	6	Drought	6	HS	S	MA	S	S	HS	5	MP	LP	Top-end yield, and agronomics. A taller, robust plant. Strong stalks. Excellent staygreen. Best on well drained soils and manage average Tar Spot tolerance.
		160-200 Bu	30,000	Roots	6	Staygreen	8										
		200-240 Bu	32,000	Stalks	7	NCLB	5										
		>240 Bu	34,000	Brittle	6	GLS	5										
P1383AM™	113 (112)	120-160 Bu	27,000	Emergence	6	Drought	6	HS	HS	S	HS	S	S	5	MP	MP	FULL SEASON YIELD LEADER. Eastern adapted hybrid bringing top-end yield, stability, and stress tolerance over P1222 & P1359. Solid disease package, standability, and intactness.
		160-200 Bu	30,000	Roots	5	Staygreen	6										
		200-240 Bu	32,000	Stalks	6	NCLB	6										
		>240 Bu	34,000	Brittle	6	GLS	5										
P13777PCE™	113 (111)	120-160 Bu	27,000	Emergence	5	Drought	7	HS	HS	S	HS	S	S	5	MP	MP	Full season new compliment to P1383AM with strong roots and solid agronomics. Broad adaptation with the exception of wet farms.
		160-200 Bu	30,000	Roots	7	Staygreen	6										
		200-240 Bu	32,000	Stalks	6	NCLB	5										
		>240 Bu	34,000	Brittle	6	GLS	5										
P14830AML™ P14830Q™	114 (111)	120-160 Bu	27,000	Emergence	5	Drought	6	S	S	S	S	S	S	5	MA	MA	**NEW FULL SEASON YIELD LEADER**. Very solid agronomic scores with versatile placement. Brings a step-change in yield versus other hybrids in this maturity.
		160-200 Bu	30,000	Roots	6	Staygreen	5										
		200-240 Bu	32,000	Stalks	5	NCLB	5										
		>240 Bu	34,000	Brittle	5	GLS	5										
P1742Q™ P1742PCE™	117 (117)	120-160 Bu	27,000	Emergence	6	Drought	6	HS	S	S	HS	HS	HS	7	MP	HP	**FULL SEASON YIELD LEADER.** Yield standard in full season hybrids on a nice hight plant and moves north out of zone will. Industry best Tar Spot tolerance.
		160-200 Bu	30,000	Roots	7	Staygreen	7										
		200-240 Bu	32,000	Stalks	6	NCLB	5										
		>240 Bu	34,000	Brittle	4	GLS	6										

Product Positioning and Management Recommendations are made from personal observations. Product Population recommendations are based on Pioneer population data taking hybrid performance and agronomic scores into consideration. Product Ratings: HS = Highly Suitable, S = Suitable, MA = Manage Appropriately, HP = High Probability, MP = Moderate Probability, LP = Low Probability

AcreMax AcreMax QROME AcreMax AQUAmax HX HX LIBERTY LINK AgrisureRW AgrisureViptera

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HYBRID FAMILY: Hybrid family identifies products that have the same base genetics. Manage products within the same family similarly.

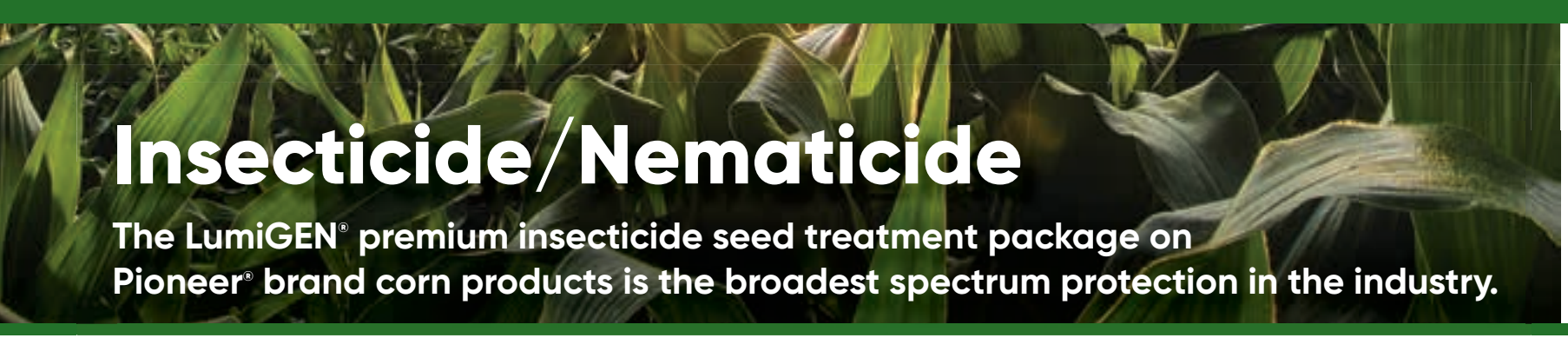
Fungicide

The LumiGEN® seed treatment package on Pioneer® brand corn products is the most robust protection in the industry.

PIONEER®

	Trade Name	Active Ingredients	Pythium	Rhizoctonia	Fusarium	Head smut	Seed-borne Diseases
LumiGEN® Seed Treatments	Lumiscend™ Pro fungicide seed treatment	Metalaxyl	●				
		Ethaboxam	●				
		Inpyrfluxam		●	●		
	Lumiflex™ fungicide seed treatment	Ipconazole		●	●	●	●
	L-2012 R biofungicide	Bacillus amyloliquefaciens strain MBI 600		●	●		
		Number of Modes of Action	**2**	**3**	**3**	**1**	**1**
Acceleron® - Enhanced Disease Control	Acceleron® DC-309	Metalaxyl	●				
	Acceleron® D-342	Prothioconazole		●	●		
	Acceleron® D-281	Fluoxastrobin			●*	●*	●
	Acceleron® D-310	Ethaboxam	●				
		Number of Modes of Action	**2**	**1**	**2**	**1**	**1**
NK®/Golden Harvest® corn standard	Maxim® Quattro seed treatment	Mefenoxam	●				
		Azoxystrobin	●	●	●		
		Fludioxonil		●			●
		Thiabendazole			●	●	●
	Vibrance® seed treatment	Sedaxane		●			
	Vayantis	Picarbutazox	●				
		Number of Modes of Action	**3**	**3**	**2**	**1**	**2**

* suppression only



Insecticide/Nematicide

The LumiGEN® premium insecticide seed treatment package on Pioneer® brand corn products is the broadest spectrum protection in the industry.

PIONEER®

INSECTICIDE SEED TREATMENTS CHARACTERIZATION

Pest	Premium Package Lumialza® bio-nematicide Lumivia® 250 Lumisure® 250	Enhanced CRW Package Lumialza® bio-nematicide Lumisure® 1250	Bayer Option Poncho® Votivo® 500	Cruiser® 500
Corn Nematodes	+++	+++	++	–
Wireworm	+++	++++	+++	+++
Cutworm	++++	++	+[1]	+[1]
Fall Armyworm	++++	–	–	–
Seed Corn Maggot	+++	+++	+++	+++
White Grub	+++	++++	+++	+++
Grape Colaspis	+++	+++	++	++
Billbug	++	+++	–	–
Flea Beetle	++	+++	+++	+++
Corn Rootworm	–	++	–	–
	LumiGEN seed treatment			

- No Control or not labeled
+ Feeding reduction ++ Average protection +++ Above average protection ++++ Excellent protection
[1] labeled for control

Lumivia® insecticide seed treatment, Lumialza® bio-nematicide and Lumisure® 1250 and 250 are part of the LumiGEN technologies package available on Pioneer brand corn.
Poncho® products are included in Acceleron® seed applied solutions.
Cruiser® products are available on NK® corn.

Lumialza®

NEMATICIDE SEED TREATMENT

- Expanding Bio-barrier shields roots
- 80+ days of root growth protection
- Activity against all key nematode species
- Yield improvement of 3.7 bu/a under low nematode pressure & 9.0 bu/a when under heavy nematode pressure*

Lumiflex™ SEED TREATMENT FUNGICIDE
Lumivia® INSECTICIDE SEED TREATMENT
Lumiscend™ Pro FUNGICIDE SEED TREATMENT
Lumisure® INSECTICIDE SEED TREATMENT
Lumialza® NEMATICIDE SEED TREATMENT

The information described in these charts is based on a review of product labels and research trials. These comparisons include base rates. Additional seed treatment options are available with all brands compared.

Acceleron® is trademark of Bayer.

NK®, Maxim® Quattro, Cruiser® and Vibrance™ are registered trademarks of Syngenta.

Poncho® and Votivo® are registered trademarks of BASF.

Contact your local Corteva Agriscience retailer or representative for details and availability in your state.

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The information presented here is not an offer for sale. This is not intended as a substitute for the product label for the product(s) referenced herein. The information contained in this technical document is based on the latest to-date technical information available to Corteva Agriscience, and Corteva Agriscience reserves the right to update the information at any time.

* Lumialza® nematicide seed treatment vs. non-nematicide seed treatment utilizing the same insecticide and fungicide recipe in seed applied technology replicated and strip trial data. Yields ranged from 3 to 9 bu/a depending on nematode species and population, in 184 low stress and 54 moderate to high stress locations. Individual results may vary.

Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.

Z SERIES SOYBEANS

PIONEER®

A **NEW ERA** IN SOYBEAN PERFORMANCE

Pioneer® brand Z-Series Soybeans – a new class of soybean genetics, that's in a class of its own. Our soybean research consistently leads the industry with cutting-edge innovation and years of comprehensive testing to bring farmers top-end performance.

Z-SERIES SOYBEANS ZONE OF SUCCESS

MORE YIELD

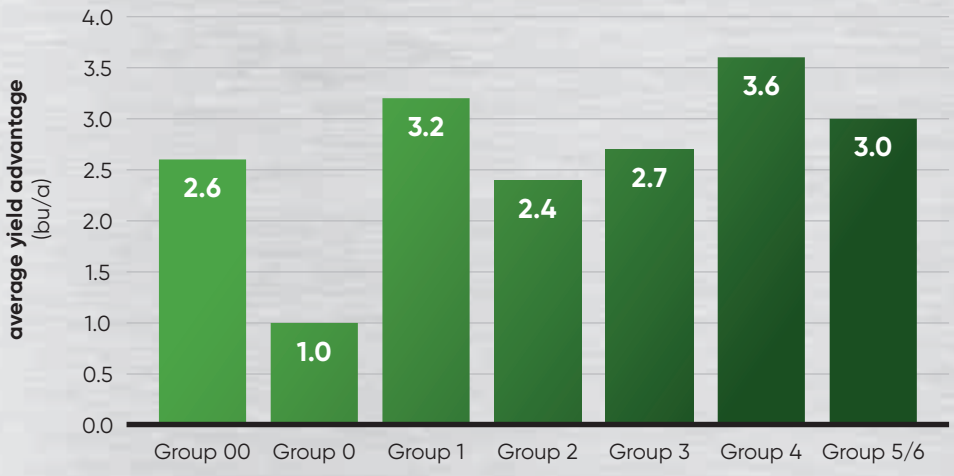
Exclusive varieties delivering breakthrough genetic gains and unleashing game-changing yields.

Plant the leader!

2.7 bu/a yield advantage vs. current A-Series Soybeans

Additional $35.00/per acre return on investment

Average Z-Series Soybeans yield advantage over A-Series Soybeans
(by maturity group)



MORE CONSISTENT AGRONOMICS & ENHANCED DISEASE PROTECTION

Bred for offensively strong defensive traits. Nearly 10,000 IMPACT™ and on-farm local trials from 2020-2023 to rigorously test varieties under various conditions so they can thrive in every grower's unique local conditions.

Increased scores in Sudden Death Syndrome (SDS), white mold, iron deficiency chlorosis and lodging resistance over current varieties.

Lodging Resistance	SDS	Iron Chlorosis	White Mold
0.3	0.5	0.5	0.6

13 new varieties with Peking Source SCN resistance for increased SCN resistance management.

EXCLUSIVE, SUPERIOR GENETICS

Over 50 varieties in Group 00 to Group 6. 100% exclusive! Only in a Pioneer soybean bag. Varieties with the leading soybean trait technology, Enlist E3® soybeans.

Enlist E3® SOYBEANS

Pioneer: America's #1 Soybean Brand

"We don't look for one hit wonders. We look for stability and yield performance across a wide area."

– Les Kuhlman, Soybean Breeder

From A to Z, we got you covered!
The new era in soybean performance is here.

2024-2025 LEADER PIONEER® BRAND

SOYBEAN PRODUCTS

BakerAg

P18Z01E™ NEW
1.8 RM | PEKING SCN
- New ultra-early yield leader
- Stout agronomic package
- Improved charcoal rot for sandy soils
- ≈ 3 bushel advantage over P18A73E

P21Z71E™ NEW
2.1 RM | PI88788 SCN
- New early season racehorse
- Has stress tolerance but may shrink on stressed soils
- Average White Mold tolerance
- ≈ 4 bushel advantage over P23A40E

P23Z82E™ NEW
2.3 RM | PEKING SCN
- Strong standing/versatile line for the 25A16 acre
- Good white mold tolerance
- Highly tolerant to Brown Stem Rot and SDS
- ≈ 1 bushel advantage over P18A73E

P25A16E™
2.5RM | PEKING SCN
- Dependable early option for every acre
- Outstanding standability
- Very good white mold tolerance

P28Z30E™ NEW
2.8 RM | PI88788 SCN
- Very complete agronomic package in a high yield variety
- Good stress tolerance
- Strong Phytopthora package for tight/wet soils
- ≈ 3 bushel advantage over P25A16E

P28Z89E™ NEW
2.8 RM | PEKING SCN
- Offensive new variety with a strong agronomic package
- Outstanding late season standability
- Good white mold tolerance
- ≈ 3 bushel advantage over P25A16E

P31Z03E™ NEW
3.1 RM | PI88788 SCN
- Versatile option for all Northern IN acres
- Good stress tolerance and ability to move on wet/tight soils
- Average standability and Frog Eye tolerance
- 1 bushel advantage over P30A75E

P32Z91E™ NEW
3.2 RM | PEKING SCN
- Eastern adapted variety with very high yield potential
- Outstanding standability with good White Mold tolerance
- Strong Emergence package
- 2 bushel advantage over P31A73E

CORTEVA agriscience

Enlist E3 SOYBEANS

STS® herbicide tolerant trait

BOLT

All Pioneer products denoted with ™ are brand names.

** Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

Components of LumiGEN® seed treatments for soybeans are applied at a Corteva Agriscience ™ production facility or by an independent sales representative of Corteva Agriscience or its affiliates. Not all sales representatives offer treatment services, and costs and other charges may vary. See your sales representative for details. Seed applied technologies exclusive to Corteva Agriscience and its affiliates.

IMPORTANT: Product responses are variable and subject to any number of environmental, disease and pest pressures. Please use this information as only part of your product positioning decision. Individual results may vary.

Trait ratings provide key information useful in selection and management of Pioneer® brand products in your area. Scores are based on testing through 2023 harvest and were the latest available at time of printing. Some scores may change after 2024 harvest. Information and ratings are based on average performance across area of adaptation under normal conditions, over a wide range of both climate and soil types and may not predict future results. Refer to www.pioneer.com or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product and for product placement and management suggestions specific to your operation and local conditions.

NUMERIC RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait.

RELATIVE MATURITY: Shows the relative maturity group rating, with the digits preceding the decimal representing the general maturity group, and the digit following the decimal showing relative maturity within the group on a scale of 0 to 9, with 0 early and 9 late. For example, a soybean product with a relative maturity rating of 1.8 would be a late product in Group 1 maturity.

TECHNOLOGY SEGMENT:

Varieties with the STS® trait are tolerant to certain sulfonylurea (SU) herbicides. This technology allows post-emergent applications of DuPont™ Synchrony® XP and DuPont™ Classic® herbicides without crop injury or stress (see herbicide product labels). NOTE: A soybean variety with a herbicide tolerant trait does not confer tolerance to all herbicides. Spraying herbicides not labeled for a specific soybean variety will result in severe plant injury or plant death. Always read and follow herbicide label directions and precautions for use.

Varieties with Enlist E3® technology (E3): The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies L.L.C.

Always follow stewardship practices in accordance with the Product Use Guide (PUG) or other product-specific stewardship requirements including grain marketing and pesticide label directions**. Varieties with BOLT® technology** provide excellent plant-back flexibility for soybeans following application of sulfonylurea (SU) herbicides such as DuPont™ LeadOff® or DuPont™ Basis® Blend as a component of a burndown program or for double-crop soybeans following SU herbicides such as DuPont™ Finesse® applied to wheat the previous fall.

FIELD EMERGENCE: Rating based on speed and strength of emergence in sub-optimal temperatures.
1-3 = Below Average; **4-6** = Average; **7-9** = Excellent.

PHYTOPHTHORA RESISTANCE GENE:
(-) = No specific gene for resistance.
Rps1^^ = Contains Rps1c or Rps1k Phytophthora resistance.
Rps 1a = Provides resistance to races 1, 2, 10, 11, 13-18, 24, 26, 27, 31, 32, 36, 38, 48, 50-52, 54-55.
Rps 1c = Provides resistance to races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36, 38, 41, 42, 44, 48, 50, 52, 54, 55.
Rps 1k = Provides resistance to races 1-11, 13-15, 17, 18, 21-24, 26, 36-38, 42-44, 46-55.
Rps 6 = Provides resistance to races 1-4, 10, 12, 14-16, 18-21, 25, 28, 33-35, 38-48, 52-54.
Rps 3a = Resistant to races 1-5, 8-9, 11, 13-14, 16, 18, 23, 25, 28-29, 31-35, 39-41, 43-45, 47-52, 54.
Rps 3c = Resistant to races 1-4, 10-16, 18-36, 38-54.

PHYTOPHTHORA FIELD TOLERANCE: Products with high tolerance scores have demonstrated an ability to thrive in the presence of Phytophthora races to which they lack specific resistance. In some products, tolerance is expressed only after the early seedling growth stage, making such products susceptible to damping off during emergence and early seed growth.

BROWN STEM ROT: HT = Highly Tolerant; **MT** = Moderately Tolerant; **MS** = Moderately Susceptible.

WHITE MOLD: Scores based on Pioneer research observations of comparative white mold tolerance among various soybean products across multiple locations and years. All products are capable of developing white mold symptoms under severe infestations. To our knowledge, there are no totally resistant products in the industry. However, differences exist in the ability of products to tolerate white mold (i.e., the rate at which the infection develops and the extent of damage it causes). These scores reflect those differences.

SCN RESISTANCE SOURCE: There are three sources of genetic resistance to SCN currently deployed in the marketplace: PI88788; PI548402 (also known as Peking); PI437654 (also known as Hartwig); **R** = Resistant to SCN but the source of that resistance is not yet identified.

SOYBEAN CYST NEMATODE [SCN]: Resistance to each of the major SCN races is scored on a 1-9 scale. **9** = Excellent resistance; **8-7** = Very good resistance; **6** = Good resistance; **5** = Average resistance; **4** = Below average resistance; **3-2** = Susceptible; **1** = Highly susceptible; to the specific race indicated.

CHARCOAL ROT: A fungal disease that is enhanced by hot and dry conditions, especially during reproductive growth stages. Scores based on Pioneer research observations of the comparative ability to tolerate infection from the charcoal rot pathogen among various soybean products.

STEM CANKER:
"RES" = provides resistance.
"SUS" = no specific gene for resistance.

CERCOSPORA: A fungal disease that is enhanced by wet periods followed by hot and dry conditions, especially during reproductive growth stages. Scores based on Pioneer research observations of the comparative ability to tolerate infection from the Cercospora kikuchii pathogen among various soybean products.

CHLORIDE SENSITIVITY: All soybeans take in chloride (Cl^-), a water soluble salt, via the plants' roots. Chloride moves freely within damp or wet soils. This can be an issue in soils with higher levels of Cl^- by allowing harmful concentrations of Cl^- to accumulate in the tops of plants, or the "growing point," which can lead to a condition known as "chlorosis" and result in injury to soybean plants by stunting the plant's growth.

- **EXC** - Excluder varieties have the ability to identify and exclude Cl^-, inhibiting the movement of Cl^- into the growing point and reducing the likelihood of stunting due to chlorosis.
- **INT** - Intermediate varieties translocate Cl^-, slowing the rate at which Cl^- reaches the growing point of the plant. Intermediate varieties are less susceptible to chlorosis and its effects than Includer varieties and are more susceptible to the effects of chlorosis than Excluder varieties.
- **INC** - Includer varieties readily translocate Cl^- to the growing point of the plant, increasing the risk of stunting due to chlorosis.

CANOPY WIDTH: 9 = Extremely bushy; **1** = Very narrow.

PLANT HEIGHT FOR MATURITY: 9 = Tall; **1** = Short.

PLANT HABIT: IND = INDETERMINATE-type soybeans grown in Group 00-4 regions. These plants typically continue to grow as they flower, resulting in a longer pod fill time. You may find nearly mature seeds at the bottom of a plant that is still flowering at the top. DET = DETERMINATE soybeans grown in Group 5 and later maturities. These plants typically stop growing once they begin to flower, and all flowering occurs within a more defined timeframe.

FLOOD TOLERANCE: Tolerance to standing water or saturated soils which are typically found at the low end of surface irrigated fields or in the low lying areas of fields after a heavy rain event. The score is a measure of the variety's potential to continue normal growth and photosynthesis when placed under those environmental conditions for up to one week.

% PROTEIN AT 13% MOISTURE: Compare data within table only. Values can vary widely by growing season and region.

% OIL AT 13% MOISTURE: Compare data within table only. Values can vary widely by growing season and region.

SEED SIZE RANGE: Expressed in seeds per pound under normal growing conditions. Range is calculated over multiple years and locations. Since seed size may vary by growing season and region, check the "seeds/pound" information printed on the bag.

FLOWER COLOR: P = Purple; **W** = White.

PUBESCENCE COLOR: T = Tawny; **G** = Gray; **L** = Light tawny; **M** = Mixed.

HILA COLOR: BL = Black; **BR** = Brown; **TN** = Tan; **G** = Gray; **IB** = Imperfect black; **BF** = Buff; **Y** = Yellow (Clear); **M** = Mixed.

POD COLOR: BR = Brown; **TN** = Tan.

Note: U.S. patents, Plant Variety Protection Act (PVPA) applications and certificates, or other limitations on use may be used to protect Pioneer brand soybean products from unauthorized growing, selling or use of the seed. These protections help assure that growers will continue to have access to new and improved products through the research efforts of plant scientists in the years ahead.

The purpose of this guide is to assist you in managing herbicide programs with Pioneer® brand soybeans. Pioneer uses molecular markers, lab, and/or field testing to evaluate soybean variety tolerance to several herbicides.

- Research has shown good correlation between molecular markers and varietal response to **preplant or pre-emergence applications** of the PPO herbicides sulfentrazone and saflufenacil, but low correlation with response to the PPO herbicide flumioxazin (e.g. Afforia, Enlite, Envive, Trivence, Surveil, and Valor) when the herbicides are used at normal field rates.
- Research has also shown good correlation between lab assays and field tolerance to preplant and preemergence applications of metribuzin.
- Research has also shown good correlation between molecular markers and tolerance to preplant or preemergence applications of rimsulfuron.

Please note that these ratings are not correlated with tolerance to exposure or application of these herbicides after soybean emergence. Metribuzin, rimsulfuron, and all PPO herbicides can injure soybeans when applied after emergence. Crop injury can also occur when metribuzin or PPO-treated soils are splashed onto soybean stems, cotyledons, or foliage.

Challenging environments such as heavy rainfall during seed germination or seedling emergence; sandy soils, soils low in organic matter or high pH soils; or during periods of excessively cold, hot, dry or wet weather can result in higher herbicide activity or reduced crop tolerance. In such cases, crop injury may occur on varieties rated as having acceptable tolerance to the herbicide. University research indicates herbicides within an herbicide class may vary in their degree of crop selectivity. The potential for herbicide injury may also be impacted by the labeled herbicide rate used and the method or timing of application.

Herbicides that contain **Sulfentrazone and Saflufenacil** include Spartan brands, Authority brands, Sonic, Optill, Optill PRO, Sharpen, and Verdict. **Always read and follow herbicide label directions.**

Herbicides that contain **Metribuzin** include DuPont™ Canopy® Blend herbicide, DuPont™ Trivence® herbicide, Sencor, Axiom, Boundary, Domain, and Authority MTZ. **Always read and follow herbicide label directions.**

The following herbicide sensitivity ratings are for sulfentrazone, saflufenacil, and metribuzin:

- **Adequate Tolerance.** Available research and/or field observations suggest this herbicide is unlikely to result in material crop injury to this particular variety under normal circumstances.
- **Requires Careful Management.** Available research and/or field observations suggest this herbicide may exhibit crop injury to this particular variety in challenging environments.
- **Response Warning.** Available research and/or field observations suggest this herbicide has a high potential for crop injury to this variety.
- **Insufficient Data.** Additional testing is needed to evaluate this variety.

Herbicides that contain **Rimsulfuron** include DuPont™ LeadOff® and Basis® Blend. **Always read and follow herbicide label directions.**

The following herbicide sensitivity ratings are for rimsulfuron:

++++ Varieties with BOLT® technology. Growers may apply DuPont™ LeadOff® or Basis® Blend herbicides 0 days or more prior to planting this particular variety.

+++ Varieties with the STS® gene. This particular variety has a shorter plant-back interval for DuPont™ LeadOff® and Basis® Blend herbicides. See product labels for details on plant-back intervals.

++ High degree of rimsulfuron tolerance. Available research and/or field observations suggest these herbicides are unlikely to result in material crop injury to this particular variety under normal circumstances. See product labels for details on plant-back intervals.

+ Low degree of rimsulfuron tolerance. Available research and/or field observations suggest these herbicides have a high potential for crop injury to this particular variety. Do not plant this particular variety into rimsulfuron-treated fields within 10 months of application if soil is excessively cold or wet or if soil pH exceeds 6.5. Soil temperature should be >50° F and trending warmer. See product labels for details on plant-back intervals.

CORTEVA™ agriscience

Enlist E3 Soybean Suitability Ratings for North Central Indiana - 2025

Updated: June 26, 2024

Pioneer® Variety	RM	Tech. Segment	Characteristic and Disease Ratings								Poorly Drained Soils	Drought-Prone Soils	Irrigated	Early Planting	Wide Rows	Product Management Suggestions
P18Z01E	18	E3 Z-Series	Emergence	7	PRR	1k	SDS	7	Canopy Width	5	S	S	HS	HS	HS	PEKING. Excellent choice for the early planting/early maturity system that fits every acre and moves south well. Solid disease packa with outstanding tolerance to SDS, BSR, and WM
			Height	4	PFT	4	WMD	5	Metribuzin	●						
			Standability	7	FEY	9	SCN	PK	PPO Tolerance	●						
P21Z71E	21	E3 Z-Series	Emergence	7	PRR	1k	SDS	6	Canopy Width	4	S	S	HS	HS	S	Peking. New offensive early superstar with tremendous yield punch. Steer towards better soils/irrigated acres where the moderate plant height and excellent standability can thrive.
			Height	5	PFT	5	WMD	4	Metribuzin	●						
			Standability	7	FEY	8	SCN	PK	PPO Tolerance	●						
P23Z82E	23	E3 Z-Series	Emergence	7	PRR	1k	SDS	5	Canopy Width	5	HS	HS	HS	HS	S	Eastern corn belt adapeted genetics with broad placement across soils and yield levels. Highly tolerant to Brown Stem Rot for sandy acres with a known history.
			Height	4	PFT	4	WMD	5	Metribuzin	●						
			Standability	8	FEY	5	SCN	PK	PPO Tolerance	●						
P25A16E	25	E3 A-Series	Emergence	7	PRR	1k	SDS	7	Canopy Width	6	HS	S	HS	HS	HS	Excellent yield stability with strong agronomics. Solid top end yield and with strength in low to moderate yield environments. Good frogeye and white mold tolerance.
			Height	4	PFT	4	WMD	6	Metribuzin	●						
			Standability	8	FEY	8	SCN	PK	PPO Tolerance	●						
P28Z30E	28	E3 Z-Series	Emergence	8	PRR	1k	SDS	6	Canopy Width	6	HS	HS	HS	S	HS	Versatile new offering with broad placement and solid agronomics. Good stress tolerance/plant height allow it to be used on challenging soils.
			Height	5	PFT	6	WMD	5	Metribuzin	●						
			Standability	8	FEY	7	SCN	PI	PPO Tolerance	●						
P28Z89E	28	E3 Z-Series	Emergence	7	PRR	1k	SDS	7	Canopy Width	6	S	S	HS	HS	HS	Offensive new Z Series line with strong agronomics. Best fit on silty and sandy soils, including irrigated acres taking advantage of it's yield potential and standability.
			Height	4	PFT	4	WMD	5	Metribuzin	●						
			Standability	8	FEY	6	SCN	PK	PPO Tolerance	●						
P31Z03E	31	E3 Z-Series	Emergence	7	PRR	1k,3a	SDS	7	Canopy Width	6	HS	HS	S	HS	HS	Rugged performer for challenging clays and sands, yet retaining the yield potential to be used broadly. Manage Frogeye Leaf Spot tolerance with a foliar fungicide.
			Height	6	PFT	MV	WMD	4	Metribuzin	●						
			Standability	7	FEY	3	SCN	PI	PPO Tolerance	●						
P32Z91E	32	E3 Z-Series	Emergence	7	PRR	1k,3a	SDS	6	Canopy Width	6	S	HS	HS	S	HS	Unique new Peking line that offers top standability, high yield potential, and outstanding phytopthora tolerance. Manage Frogeye Leaf Spot tolerance with a foliar fungicide.
			Height	5	PFT	MV	WMD	5	Metribuzin	●						
			Standability	9	FEY	3	SCN	PK	PPO Tolerance	●						
P33A62E	33	E3 A-Series	Emergence	7	PRR	1c	SDS	5	Canopy Width	4	HS	HS	S	S	HS	Proven genetics with versatile placement in all environments. Good plant height when on stressed soils with good standability on productive soils.
			Height	6	PFT	4	WMD	4	Metribuzin	●						
			Standability	7	FEY		SCN	PI	PPO Tolerance	●						
P35Z76E	35	E3 Z-Series	Emergence	7	PRR	1k	SDS	6	Canopy Width	6	HS	HS	HS	HS	HS	Z Series line with well know eastern genetics that lend well for all soils and yield levels. Lead mid to full three maturity variety.
			Height	5	PFT	5	WMD	4	Metribuzin	●						
			Standability	8	FEY	7	SCN	PI	SU Tolerance	●						
P37Z06E	37	E3 Z-Series	Emergence	7	PRR	1k	SDS	6	Canopy Width	4	HS	S	S	HS	S	Shorter, great standing new late 3 offering with very solid agronomics. Can go on any soil type with wide adaptation across the corn belt.
			Height	4	PFT	5	WMD	4	Metribuzin	●						
			Standability	9	FEY	6	SCN	PI	SU Tolerance	●						

SUITABILITY RATINGS: HS = Highly Suitable, S = Suitable, M = Manage. The environment in which the variety is planted heavily influences variety yield performance. Proper placement is important for optimum performance. Use this guide along with suggestions from your DuPont Pioneer account manager, field agronomist or local sales professional. IMPORTANT: Positioning information is based upon historical observations and analysis of traits by DuPont Pioneer Agronomists and Research Managers. Individual product responses are variable and subject to a variety of environmental, disease and pest pressures. Please use this information as only one component of your product positioning decision. Refer to www.pioneer.com/products or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer® brand product.

PRR (Phytopthora Resistance)
PFT (Phytopthora Field Tolerance
FEY (Frog Eye Leaf Spot)
SDS (Sudden Death Syndrome)
WMD (White Mold)
SCN (Soybean Cyst Nematode tolerance, PK=Peking & PI=PI88788
Metribuzin and SU Tolerance (● Adequate Tolerance, ■ Response Warning, ▼ Requires Careful Management

*** Trait Scores on products are not final and subject to change.**

P18Z01E™ brand

Enlist E3 SOYBEANS

RELATIVE MATURITY: 1.8

MANAGEMENT INSIGHTS:

- Peking SCN resistance coupled with above average white mold tolerance.
- Outstanding SDS tolerance with above average iron deficiency chlorosis tolerance, and very good charcoal rot tolerance.
- Nice plant stature with average plant height with good canopy closure.

Area of Adaptation

Suitability and Placement Guide

Highly Suitable | Suitable | Manage Appropriately | Poor Suitability

- Delayed or Late Harvest
- Drought-Prone Soils
- Early Planting/Cold Soils
- High Yield Environments
- Irrigation
- Poorly Drained Soils
- SCN-Prone Environments
- SDS-Prone Environments
- White Mold-Prone Environments
- No-Till/Reduced Till/High Residue
- High pH Soils/Soils Prone to Iron Chlorosis

	Trait	Score
Agronomics	Harvest Standability	7
	Field Emergence	6
	Plant Height for Maturity	4
	Canopy Width	6
	Rimsulfuron Tolerance	++
	Metribuzin Tolerance	
	Sulfentrazone/Saflufenacil Tol.	
Disease and Nematode Pests	Phytophthora Field Tolerance	4**
	Brown Stem Rot	HT
	Iron Chlorosis	5
	White Mold	5
	Sudden Death Syndrome	8**
	Stem Canker	RES
	Frogeye Leaf Spot	6**
	Charcoal Rot	6
	Phytophthora Resistance Gene	1K
	SCN Resistance Source	Peking

RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

Z SERIES SOYBEANS

PIONEER.

P21Z71E™ brand

Enlist E3 SOYBEANS

RELATIVE MATURITY: 2.1

MANAGEMENT INSIGHTS:

- Offensive early group 2 leader with strong performance across yield environments.
- Outstanding harvest standability with very good iron deficiency chlorosis tolerance.
- Peking SCN resistance with very good SDS tolerance.
- Good phytophthora field tolerance with the 1k gene make this a good option for poorly drained soils.

Suitability and Placement Guide

Highly Suitable	Suitable	Manage Appropriately	Poor Suitability

■■■■	Delayed or Late Harvest
■■■□	Drought-Prone Soils
■■■□	Early Planting/Cold Seasons
■■■■	High Yield Environments
■■■■	Irrigation
■■■□	Poorly Drained Soils
■■■■	SCN-Prone Environments
■■■■	SDS-Prone Environments
■■■□	White Mold-Prone Environments
■■■□	No-Till/Reduced Till/High Residue
■■■■	High pH Soils/Soils Prone to Iron Chlorosis

Area of Adaptation

Trait Score

Agronomics	Harvest Standability	8
	Field Emergence	7
	Plant Height for Maturity	4
	Canopy Width	6
	Rimsulfuron Tolerance	++
	Metribuzin Tolerance	●
	Sulfentrazone/Saflufenacil Tol.	●
Disease and Nematode Pests	Phytophthora Field Tolerance	5**
	Brown Stem Rot	MT
	Iron Chlorosis	6
	White Mold	4
	Sudden Death Syndrome	6**
	Stem Canker	RES
	Charcoal Rot	4
	Frogeye Leaf Spot	8**
	Phytophthora Resistance Gene	1K
	SCN Resistance Source	Peking

RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

Z SERIES SOYBEANS

PIONEER.

P23Z82E™ brand

Enlist E3 SOYBEANS

RELATIVE MATURITY: 2.3

MANAGEMENT INSIGHTS:

- Yield leader with Peking SCN resistance and excellent harvest standability.
- Above average iron deficiency chlorosis and white mold tolerance.
- High tolerance to brown stem rot.

Area of Adaptation

Suitability and Placement Guide

Highly Suitable	Suitable	Manage Appropriately	Poor Suitability

- Delayed or Late Harvest
- Drought-Prone Soils
- Early Planting/Cold Seasons
- High Yield Environments
- Irrigation
- Poorly Drained Soils
- SCN-Prone Environments
- SDS-Prone Environments
- White Mold-Prone Environments
- No-Till/Reduced Till/High Residue
- High pH Soils/Soils Prone to Iron Chlorosis

Trait Score

Agronomics	Harvest Standability	8
	Field Emergence	7
	Plant Height for Maturity	4
	Canopy Width	5**
	Rimsulfuron Tolerance	++
	Metribuzin Tolerance	
	Sulfentrazone/Saflufenacil Tol.	
Disease and Nematode Pests	Phytophthora Field Tolerance	4**
	Brown Stem Rot	HT
	Iron Chlorosis	5
	White Mold	5
	Sudden Death Syndrome	5**
	Stem Canker	RES
	Charcoal Rot	5
	Frogeye Leaf Spot	5**
	Phytophthora Resistance Gene	1K
	SCN Resistance Source	Peking

RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

P25A16E™ brand

Enlist E3 SOYBEANS

A SERIES SOYBEANS

RELATIVE MATURITY: 2.5

MANAGEMENT INSIGHTS:

- High yield potential product with Peking SCN resistance.
- Very good sudden death syndrome tolerance.
- Average white mold and iron deficiency chlorosis tolerance.
- Excellent tolerance to frogeye leaf spot..

Area of Adaptation

Suitability and Placement Guide

Highly Suitable	Suitable	Manage Appropriately	Poor Suitability
Delayed or Late Harvest			
Drought-Prone Soils			
Early Planting/Cold Soils			
Field Prone to Lodging			
High Yield Environments			
Irrigation			
Poorly Drained Soils			
SCN-Prone Environments			
SDS-Prone Environments			
White Mold-Prone Environments			
No-Till/Reduced Till/High Residue			
High pH Soils/Soils Prone to Iron Chlorosis			

Trait Score

Agronomics

Harvest Standability	8
Field Emergence	7
Canopy Width	6
Plant Height for Maturity	5
Rimsulfuron Tolerance	++
Metribuzin Tolerance	
Sulfentrazone/Saflufenacil Tol.	

Disease and Nematode Pests

Phytophthora Field Tolerance	4**
Brown Stem Rot Marker Predicted	MT
Iron Chlorosis	5
White Mold	5**
Sudden Death Syndrome	7**
Charcoal Rot	4**
Frogeye Leaf Spot	8**
Phytophthora Resistance Gene	1k
SCN Resistance Source	Peking

RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

Scan the code for additional Pioneer brand A-series Enlist E3® soybean varieties.

Z SERIES SOYBEANS

PIONEER.

P28Z30E™ brand

Enlist E3 SOYBEANS

RELATIVE MATURITY: 2.8

MANAGEMENT INSIGHTS:

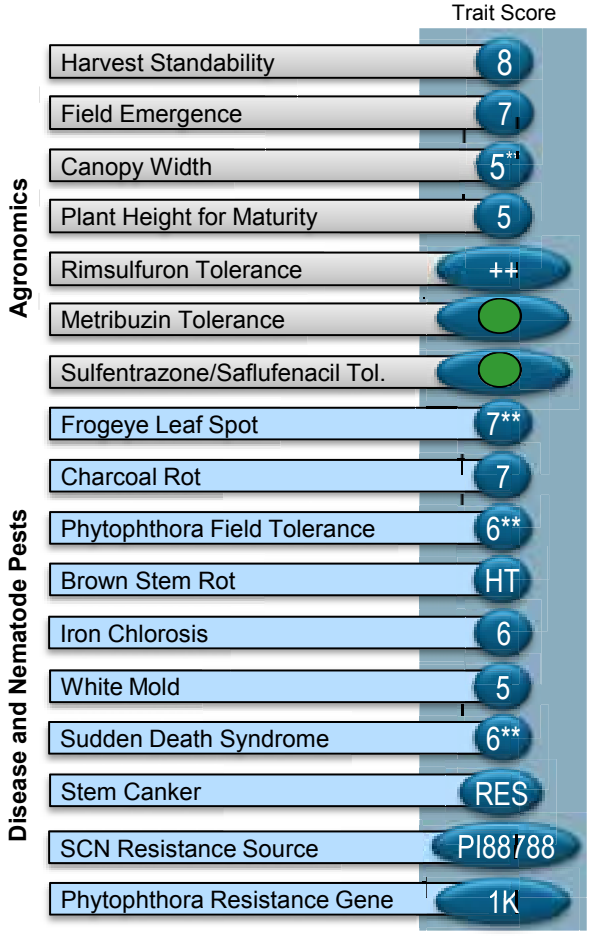
- Widely-adapted leader, Offensive-Group 2 variety with very good tolerance to iron deficiency chlorosis, brown stem rot, SDS, and charcoal rot.
- Above average white mold tolerance & exceptional harvest standability make this variety a great choice for high yield environments.
- Very good phytophthora field tolerance with the 1k gene make this a good option for poorly drained soils.

Area of Adaptation

Suitability and Placement Guide

Highly Suitable	Suitable	Manage Appropriately	Poor Suitability

■■■■	Delayed or Late Harvest
■■■■	Drought-Prone Soils
■■■□	Early Planting/Cold Soils
■■■■	Field Prone to Lodging
■■■■	High Yield Environments
■■■■	Irrigation
■■■■	Poorly Drained Soils
■■■■	SCN-Prone Environments
■■■■	SDS-Prone Environments
■■■■	White Mold-Prone Environments
■■■□	No-Till/Reduced Till/High Residue
■■■■	High pH Soils/Soils Prone to Iron Chlorosis



RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

P28Z89E™ brand

RELATIVE MATURITY: 2.8

MANAGEMENT INSIGHTS:

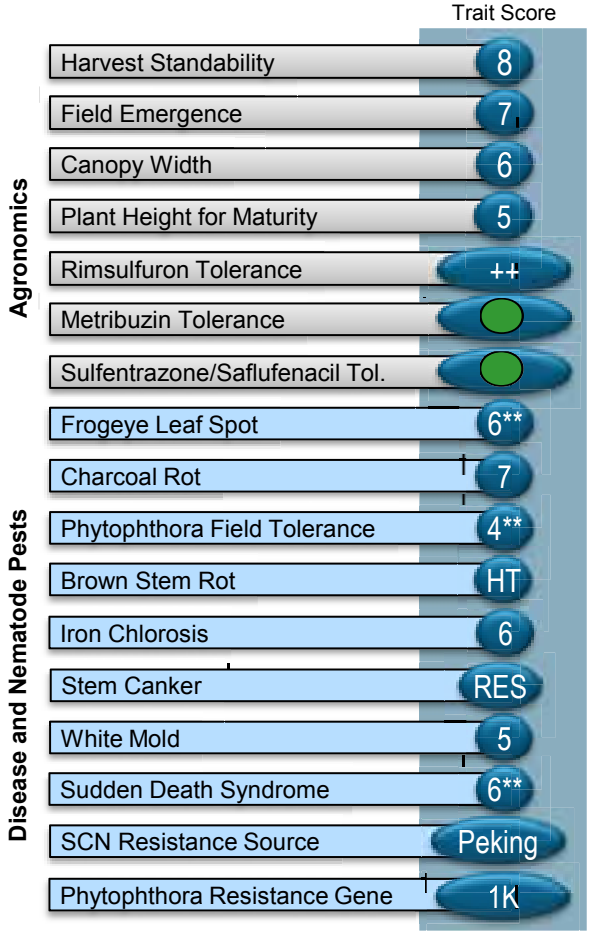
- Widely-adapted leader, Offensive-Group 2 variety with Peking SCN resistance.
- Above average white mold tolerance & exceptional harvest standability make this variety a great choice for high yield environments.
- Very good tolerance to iron deficiency chlorosis, brown stem rot, SDS, and charcoal rot.

Area of Adaptation

Suitability and Placement Guide

Highly Suitable	Suitable	Manage Appropriately	Poor Suitability

- Delayed or Late Harvest
- Drought-Prone Soils
- Early Planting/Cold Soils
- Field Prone to Lodging
- High Yield Environments
- Irrigation
- Poorly Drained Soils
- SCN-Prone Environments
- SDS-Prone Environments
- White Mold-Prone Environments
- No-Till/Reduced Till/High Residue
- High pH Soils/Soils Prone to Iron Chlorosis



RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

P31Z03E™ brand

RELATIVE MATURITY: 3.1

MANAGEMENT INSIGHTS:

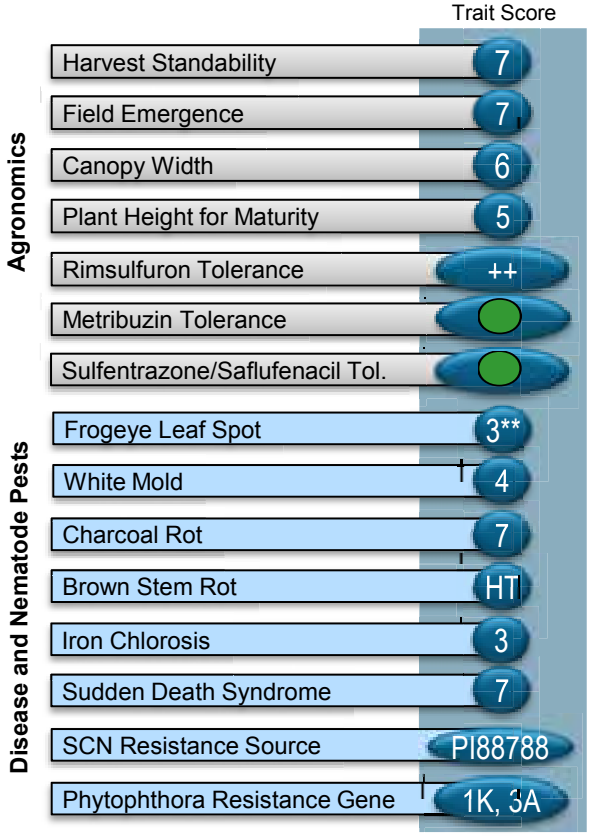
- Widely-adapted Enlist E3 variety with strong yield performance and very good tolerance to charcoal rot and brown stem rot.
- Double-stacked Phytophthora genes and strong SDS tolerance makes this a good early planting option.
- Avoid fields with a history of iron deficiency chlorosis.

Area of Adaptation

Suitability and Placement Guide

Highly Suitable | Suitable | Manage Appropriately | Poor Suitability

- Delayed or Late Harvest
- Drought-Prone Soils
- Early Planting/Cold Soils
- Field Prone to Lodging
- High Yield Environments
- Irrigation
- Poorly Drained Soils
- SCN-Prone Environments
- SDS-Prone Environments
- White Mold-Prone Environments
- No-Till/Reduced Till/High Residue
- High pH Soils/Soils Prone to Iron Chlorosis



RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

Z SERIES SOYBEANS

PIONEER.

P32Z91E™ brand

Enlist E3 SOYBEANS

RELATIVE MATURITY: 3.2

MANAGEMENT INSIGHTS:

- Exceptional harvest standability & above average white mold tolerance make this variety a great choice for high yield environments.
- Outstanding yield potential with Peking SCN protection and very good tolerance to brown stem rot.
- Double-stacked Phytophthora genes make this a good early planting option.

Area of Adaptation

Suitability and Placement Guide

Highly Suitable	Suitable	Manage Appropriately	Poor Suitability

■■■■	Delayed or Late Harvest
■■■□	Drought-Prone Soils
■■■□	Early Planting/Cold Soils
■■■■	Field Prone to Lodging
■■■■	High Yield Environments
■■■■	Irrigation
■■■■	Poorly Drained Soils
■■■■	SCN-Prone Environments
■■■■	SDS-Prone Environments
■■■■	White Mold-Prone Environments
■■■□	No-Till/Reduced Till/High Residue
■□□□	High pH Soils/Soils Prone to Iron Chlorosis

	Trait	Score
Agronomics	Harvest Standability	9
	Field Emergence	7
	Canopy Width	6**
	Plant Height for Maturity	5
	Rimsulfuron Tolerance	++
	Metribuzin Tolerance	
	Sulfentrazone/Saflufenacil Tol.	
Disease and Nematode Pests	Frogeye Leaf Spot	3**
	Charcoal Rot	5
	Sudden Death Syndrome	6
	Brown Stem Rot	HT
	Iron Chlorosis	3
	White Mold	5
	SCN Resistance Source	Peking
	Phytophthora Resistance Gene	1K, 3A

RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait. Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.

BUILT FOR SUCCESS

LumiGEN® Soybean Seed Treatment

PIONEER®

We continue to deliver on farmer needs

Our powerful LumiGEN® soybean seed treatment leads the industry in yield protection against early-season diseases and insects.

PREMIUM PACKAGE

Fungicide Seed Treatment Package

- LumiTreo™ fungicide seed treatment
- Lumiante® fungicide seed treatment
- Sebring® metalaxyl
- L-2030 G biofungicide

Insecticide Seed Treatment

- Phalanx™ insecticide seed treatment

+

Enhanced Vigor and Insect Protection

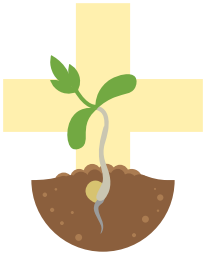
- Lumiderm® insecticide seed treatment

Proven Disease Protection

LumiTreo™ features oxathiapiprolin, the active ingredient in Lumisena®, providing the best protection against *Phytophthora sojae*, the #1 yield-robbing soybean disease. Lumiante® provides superior pythium control with added Phytophthora ssp. protection.

Biofungicide and Stimulant

Our biological provides early season protection against Rhizoctonia and Fusarium while enhancing root and plant growth.

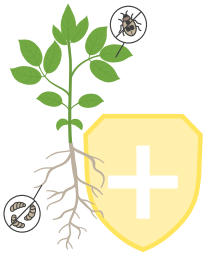


5 Effective Modes of Action

Multiple modes of action against key diseases helps maximize yield potential with healthy uniform stand establishment.

Powerful Insect Protection

Protection against early-season insect feeding. Pairing Lumiderm® with Phalanx™ insecticide seed treatment offers two modes of action against key early season pests, including aphids, bean leaf beetles, seed corn maggot, white grub, thrips and wireworm.



Protection Against Key Diseases With LumiGEN® Soybean Seed Treatment

Brand Name	Active Ingredients	Phytophthora	Pythium	Rhizoctonia	Fusarium	Phomopsis
LumiTreo™	Oxathiapiprolin	x				
	Ipconazole			x	x	x
	Picoxystrobin		x	x	x	
Lumiante®	Ethaboxam	x	x			
Sebring®	Metalaxyl	x	x			
L-2030 G Biofungicide				x	x	
Number of Modes of Action		**3**	**3**	**3**	**3**	**1**

Lumisena® FUNGICIDE SEED TREATMENT
LumiTreo™ FUNGICIDE SEED TREATMENT
Lumiante® FUNGICIDE SEED TREATMENT
Lumiderm® INSECTICIDE SEED TREATMENT
Phalanx™ INSECTICIDE SEED TREATMENT

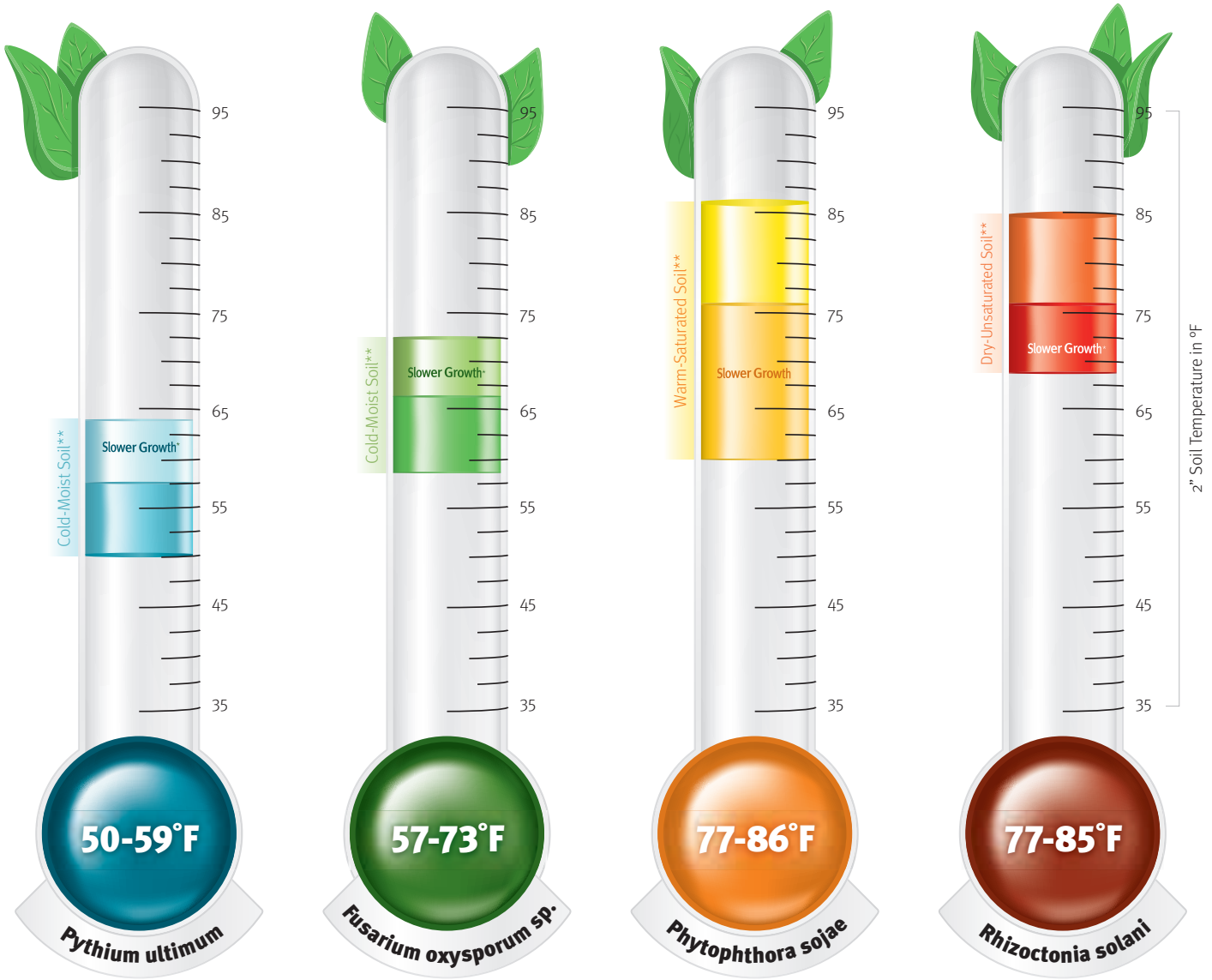
CORTEVA™ agriscience

LumiGEN® Seed Treatments

Understanding Soil Temperatures and Their Impact on the Development of Soybean Root Pathogens

PIONEER®

Protect emergence, promote early-season growth and provide an extra level of disease protection with seed treatment offerings from Pioneer. Ask your Pioneer sales representative about Lumisena® fungicide seed treatment that provides the best protection from Phytophthora for healthier, more vigorous soybeans stands and higher yield potential.



CORTEVA™ agriscience

* Optimal soil temperatures identified in the Compendium of Soybean Diseases, 3rd Edition.
** Soil type field observations were taken by L. Osborne in South Dakota from 2005-2011.

Components of LumiGEN® for soybeans are applied at a Corteva Agriscience production facility, or by an independent sales representative of Corteva Agriscience or its affiliates. Not all sales representatives offer treatment services, and costs and other charges may vary. See your sales representative for details. Seed applied technologies exclusive to Corteva Agriscience and its affiliates.

PIONEER® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.

TruChoice®

A BETTER WAY TO BUY CROP PROTECTION

Save up to 15%

on Corteva Agriscience™ crop protection products

FUND
your TruChoice® offer prepay account*

EARN up to 15%

SPEND
prepay funds on over 100 leading crop protection products

KEY PRODUCTS INCLUDE:

HERBICIDE

- FulTime® NXT
- Kyro™
- Resicore®
- SureStart®II
- Quelex®
  Arylex™ active
- Tarzec®
  Arylex™ active
- Enlist One®
  COLEX-D® technology
- EverpreX®
- Sonic®
- Surveil®
- Trivence®

FUNGICIDE

- Aproach®
  Onmira™ active
- Aproach® Prima
- Viatude™
  Onmira™ active

INSECTICIDE

- Ridgeback®
  Isoclast™ active

NITROGEN STABILIZER

- Instinct NXTGEN®
  Optinyte™ technology
- N-Serve®
  Optinyte™ technology

biologicals

- Sosdia® Stress
- Utrisha® N
- Utrisha® P

For a full list of eligible crop protection products, visit TruChoice.corteva.us
For more information, contact your local Pioneer sales representative for more information.
TruChoice Support Team: (800) 922-2368

* A minimum of $5,000 deposit is needed to open a TruChoice prepay account.

Enlist One® herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist One herbicide is the only 2,4-D product authorized for use in Enlist crops. Always read and follow label directions.

FulTime® NXT is a Restricted Use Pesticide. FulTime NXT, Kyro™, Resicore® and SureStart® II are not registered for restricted use in all states. FulTime NXT, Kyro™, Resicore® and SureStart® II are not available for sale, distribution or use in Nassau and Suffolk counties in the state of New York. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions.

Quelex®, Tarzec®, Aproach®, Aproach® Prima, Viatude™, Ridgeback®, Zeropro® herbicide, Stack®, Corvell®, Finesse®, Instinct NXTGEN®, Utrisha® N and Utrisha® P are not registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions.

N-Serve® 24: Do not fall-apply anhydrous ammonia south of Highway 16 in the state of Illinois. Always read and follow label directions.

Sosdia® Stress elastic strikes: nitrapyrin is not registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions.

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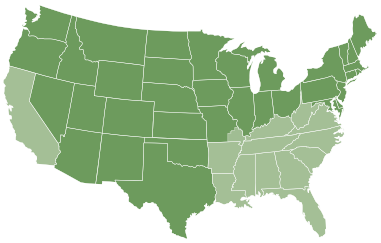
2025 TruChoice® Offer

PIONEER®

TruChoice®

TruChoice® offer, a better way to buy Corteva Agriscience crop protection products.



CROP PROTECTION SAVINGS

	Earn	Qualification
Prepay Savings	**10%** Cash or **5%** Credit Savings applied upfront to retail invoice	Fund a TruChoice prepay account, with a minimum of $5,000, by Feb 28, 2025
	PLUS	
Pioneer Customer Bonus	**5%** Additional Savings Savings applied upfront to retail invoice	Reach Infinity Platinum or Gold level
Total Savings	**15%** Cash or **10%** Credit	

See the 100+ eligible crop protection products at **TruChoice.Corteva.us**

1. **INVOICE,** pay, and achieve Infinity Platinum or Gold level status on your Pioneer® brand products with your Pioneer Sales Representative by **Jan 17, 2025**

2. **FUND** your TruChoice prepay account with a minimum of $5,000 with your Pioneer sales representative or on Pioneer.com by **Feb 28, 2025** to qualify

3. **EARN** savings on Corteva Agriscience™ crop protection products
- PREPAY SAVINGS
- PIONEER CUSTOMER BONUS

4. **SPEND** your TruChoice prepay funds on participating Corteva crop protection products for upfront savings!

General program provisions

Sign your Grower Prepay Agreement via your local Pioneer® sales representative or by logging on to Pioneer.com

1. Earn TruChoice® offer Prepay Savings (cash and financing) by funding a prepay account from Oct 1, 2024 - Feb 28, 2025. Spend your TruChoice prepay account funds at any authorized retailer; transactions must be entered into TruChoiceOnline.com between Nov 15, 2024 - Sept 30, 2025.
2. Any amount of prepay funds can be used towards your Corteva Agriscience™ crop protection products; however a minumum of $5,000 deposited plus the prepay savings applied must be spent to retain any prepay savings.
3. Retailers must meet reporting requirements (Report EDI, Ending Inventory and Grower Point of Sale (GPOS) in order to participate in TruChoice. each year.
4. Any quantities of qualifying products purchased during the offer period which are subsequently returned to the Pioneer agents or retailers are not eligible for the incentives, nor will they count toward the required minimum(s).
5. The Pioneer Customer Bonus are available to customers whose business operations are based in AZ, CO, CT, DE, ID, IL, IN, IA, KS, ME, MD, MA, MI, MN, MO (excluding Bootheel counties of Bollinger, Butler, Cape Girardeau, Carter, Dunklin, Iron, Madison, Mississippi, New Madrid, Oregon, Pemiscot, Perry, Reynolds, Ripley, St Francois, Ste Genevieve, Scott, Shannon, Stoddard, and Wayne), MT, NE, NH, NJ, NM, NV, NY, ND, OH, OK, OR, PA, RI, SD, TX, UT, VT, WA, WI and WY.
6. Earn the **Pioneer Customer Bonus** by:
    A. Qualifying as an Infinity Platinum or Gold level customer by Jan 17, 2025. Contact your Pioneer sales representative for more information on how to qualify for Platinum or Gold levels.
    B. Funding a TruChoice prepay account with your **Pioneer sales representative** or on **pioneer.com** from Oct 1, 2024 - Feb 28, 2025.
    C. Spend your Pioneer Customer Bonus with your prepay account funds at any participating retailer; transactions must be entered into TruChoiceOnline. com between Nov 15 2024 and Sept 30, 2025.
7. Pioneer Customer Bonus cannot be combined with any other Corteva Agriscience brand customer bonus.
8. A complete list of participating products is published on TruChoice.Corteva.us.
9. TruChoice prepay cash payments can be accepted by the Pioneer sales representative or Online: Depositing funds online is easy, secure, and convenient at Pioneer.com.
10. TruChoice financing is available by working with your Pioneer sales representative to initiate financing through The TruChoice financing program enables customers of Corteva Agriscience through its subsidiary PHI Financial Services, Inc., to finance their approved crop protection product purchases. Cash can be applied to a registered TruChoice prepay account to avoid loan approval.
11. Have approved deferred payment loan with adequate credit limit. TruChoice financing for Corteva Agriscience crop protection opens Nov 15, 2024.
    A. For TruChoice financing rates in your area, contact the TruChoice support team at 1-800-922-2368.
    B. Subject to credit approval and program requirements.
12. Participation in this program is subject to any terms, conditions and procedures that Corteva Agriscience may, at its discretion, change from time to time.
13. Grower must use the transacted TruChoice products on their own and/or rented acres. Corteva may suspend or terminate Grower's participation in TruChoice if Grower resells products purchased under the TruChoice Offer.

TruChoice Financing

Ask your local Pioneer sales representative about the flexible options available through TruChoice financing.

TruChoice support team: **1-800-922-2368**

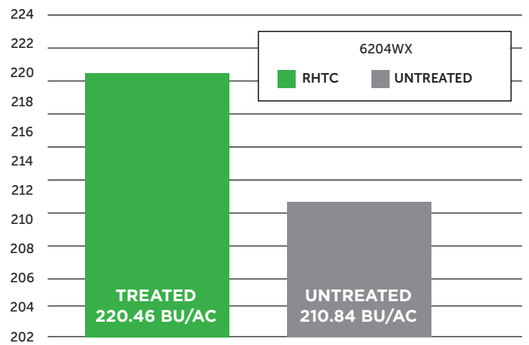
https://www.pioneer.com/us/tools-services/truchoice-offers.html

RESULTS FROM THE FIELD

CORN YIELD RESULTS

Input Cost	$14.00/ac
Yield Increase	+9.62 bu
Grain Income	$4.81/bu
Per Acre Income Increase	$46.27/ac
Per Acre Revenue Increase	$32.27/ac

CORN YIELD RESULTS



UNTREATED TREATED

"We saw larger root mass, larger ears, and kernel size this year. It was just huge. It's very smooth, anyone just wanting to try a biological product it doesn't get any easier. Off the top of my head, besides the basic idea of fertilizer, there are not many things you can add that bring a faster, easier, ROI, than REVLINE® HOPPER THROTTLE™."

-Clay Garrett, Brown County, OH

UNTREATED TREATED

"Corn rootworm is something that on a farm by farm basis, guys need to be aware of at all times. When you're talking corn rootworm damage, it feels like if you have the wrong trait in the wrong place, you're talking 30 to 40 bushel. But to be able to kind of man up a current trait with something like GUARD X™, that's going to be phenomenal for customers as far as really maximizing hybrid performance."

-John Tiarks, Underwood, IA

1-833-637-4783 (MERISTEM)
meristemag.com

MERISTEM CROP PERFORMANCE

"Meristem Crop Performance is not Pioneer or Corteva products"

REVLINE® HOPPER THROTTLE™ CORN PORTFOLIO

POWERED BY

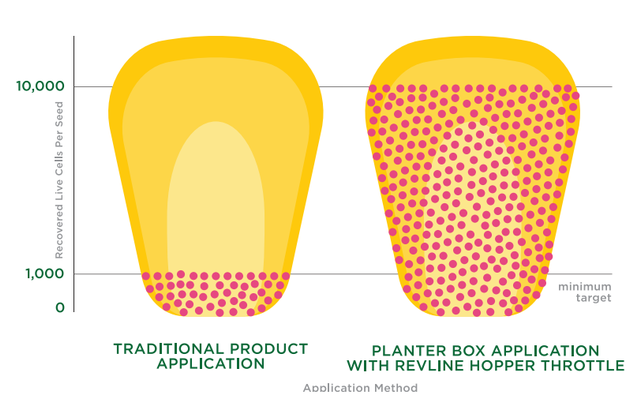
BIO-CAPSULE™ TECHNOLOGY
PLANTER BOX INNOVATION DELIVERY SYSTEM

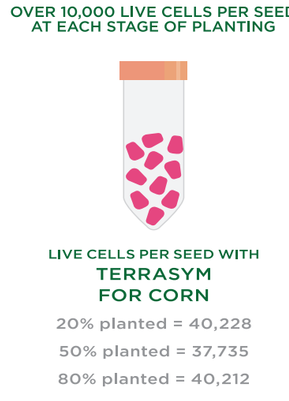
NUTRIENT & MICROBIAL PLANTER BOX DELIVERY SYSTEM

BIO-CAPSULE™ technology: the first tool to deliver biologicals safely to the furrow. Meristem's patented delivery system makes it happen—**more bushels for less.**

BIO-CAPSULE = MORE LIVE CELLS PER SEED

To confirm even product distribution, seed lubricant plus the Terrasym biological was applied per grower standard practice. AIP agronomists collected seed samples at various progress points during planting (20%, 50%, and 80% completion). New Leaf Symbiotics scientists assessed the seed samples to confirm the living microbes found in Terrasym products were evenly distributed across large-scale commercial fields. Over 10,000 live cells per seed were found at each stage of planting, 10x more than traditional applications.





MERISTEM CROP PERFORMANCE **MORE BUSHELS FOR LESS**

BIO-CAPSULE™ BENEFITS

REVLINE® HOPPER THROTTLE™ CORN is powered by BIO-CAPSULE TECHNOLOGY - a patented delivery system that helps farmers save time, labor and fuel. The BIO-CAPSULE carrier system allows for the addition of multiple biological solutions safely packaged for convenient deployment at planting.

WITHIN THE BIO-CAPSULE™

Azotobacter chroococcum	Free-living, nitrogen-fixing bacteria that can contribute significantly to plant nutrition and growth. Bacteria in this genus also can synthesize natural plant hormones and can stimulate microbes in the rhizosphere.
Azotobacter vinelandii	Nitrogen-fixing bacteria which can take up nitrogen from air. Azotobacter species can convert atmospheric nitrogen to ammonia.
Trichoderma harzianum	Fungal microorganism well known for its positive association with plant roots supporting plant health by improving root architecture and positively influencing plant nutrient uptake.
Bacillus amyloliquefaciens	Grows with plant roots and forms a long-lasting active biofilm on fine root hairs resulting in an excellent biofertilizer that can activate soil nutrients by changing the forms of soil elements.
Bacillus subtilis	Grows with plant roots and forms a long-lasting active biofilm on fine root hairs resulting in an excellent biofertilizer that can activate soil nutrients by changing the forms of soil elements.
Bacillus licheniformis	Solubilizes soil phosphorous and enhance nitrogen utilization, as well as promotes plant growth.
Bacillus pumilus	Enhances plant-boron uptake by nutrient availability in the soil and has been documented to increase nitrogen uptake in plants.
Bacillus megaterium	Resilient bacterium that is known to produce phosphate-fixing and potassium-fixing fertilizers.

Terrasym® Methylobacterium gregans	A proven, industry-leading biostimulant PPFM strain that generates massive root structures.

POWERED BY ETHER™ ENZYME TECHNOLOGY	ETHER Enzyme Technology is designed to work with live microbes to activate nutrient availability more quickly in the soil through the combination of two enzymes, mannanase and lipase, and ETHER 18% active carbon dramatically improves the availability of phosphorus (P) and potassium (K) and provides a gateway for faster colonization of biologicals.

GUARD X	GUARD X is a multiple-mode-of-action indirect bioinsecticide to mitigates corn rootworm damage. GUARD X interacts with the plant to prime the plant's ISR immune defense system. The GUARD X treated root produces chemicals which confuse or repel CRW larvae,making it harder for the larvae to find the corn roots. GUARD X provides root regrowth and recovery stimulation for when larvae reach the root and feed. *GUARD X EPA No. 95699-2-9552*

Meristem rop` Performance Products are not part of Pioneer or Corteva

HT CORN with GUARD X

PAIL BASE:
- 80/20 talc, graphite, iron (Fe) and manganese (Me) blend, with 1.35 lbs IONLOCK™ Zinc

BIO-CAPSULEs:
- Red: GUARD X bioinsecticide

RHT CORN

PAIL BASE:
- 80/20 talc, graphite, iron (Fe) and manganese (Me) blend, with 1.35 lbs IONLOCK™ Zinc

BIO-CAPSULEs:
- Blue: 8-pack biofertility and N-fixing microbes
- White: 6.25 oz Terrasym

RHT CORN with ETHER & GUARD X

PAIL BASE:
- 80/20 talc, graphite, iron (Fe) and manganese (Me) blend, with 1.35 lbs IONLOCK™ Zinc

BIO-CAPSULEs:
- Blue: 8-pack biofertility and N-fixing microbes
- White: 6.25 oz Terrasym
- Green: ETHER Enzyme Technology

RHT CORN with GUARD X

PAIL BASE:
- 80/20 talc, graphite, iron (Fe) and manganese (Me) blend, with 1.35 lbs IONLOCK™ Zinc

BIO-CAPSULEs:
- Blue: 8-pack biofertility and N-fixing microbes
- White: 6.25 oz Terrasym
- Red: GUARD X bioinsecticide

RHT CORN with ETHER & GUARD X

PAIL BASE:
- 80/20 talc, graphite, iron (Fe) and manganese (Me) blend, with 1.35 lbs IONLOCK™ Zinc

BIO-CAPSULEs:
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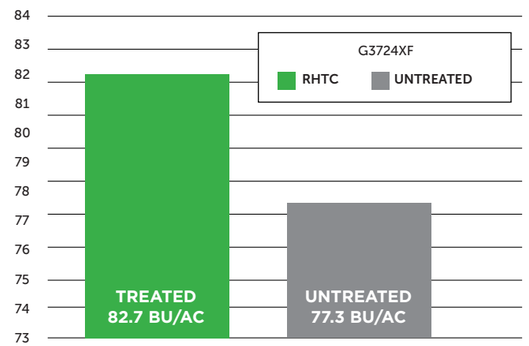
- White: 6.25 oz Terrasym
- Green: ETHER Enzyme Technology
- Red: GUARD X bioinsecticide

RESULTS FROM THE FIELD

SOYBEAN YIELD RESULTS

Input Cost	$14.00/ac
Yield Increase	+5.4 bu
Grain Income	$13.07/bu
Per Acre Income Increase	$70.58/ac
Per Acre Revenue Increase	$56.58/ac

SOYBEAN YIELD RESULTS



UNTREATED TREATED

UNTREATED TREATED

"What we did differently on the soybean crop in 2023 is that every acre got REVLINE® HOPPER THROTTLE™. We're starting to experiment, starting to learn about the biology and how it's related to fertility, and we're picking up some yield increases. We're having a great soybean harvest so far."

-Gary Barton, Wysocki Farms, WI

"You've got live bugs when you punch those pails and mix it up. A lot of other products those bugs aren't even alive by the time you mix the product. But with the REVLINE® HOPPER THROTTLE™ technology that they use to keep things seperate, it makes all of the difference. I don't think there's any product like it on the market."

-John Torrance, Gladstone, IL

1-833-637-4783 (MERISTEM)
meristemag.com

MERISTEM CROP PERFORMANCE

REVLINE® HOPPER THROTTLE™ SOYBEAN PORTFOLIO

REVLINE® HOPPER THROTTLE™ SOYBEAN PLANTER BOX TREATMENT

REVLINE® HOPPER THROTTLE™ SOYBEAN PLANTER BOX TREATMENT POWERED BY ETHER™

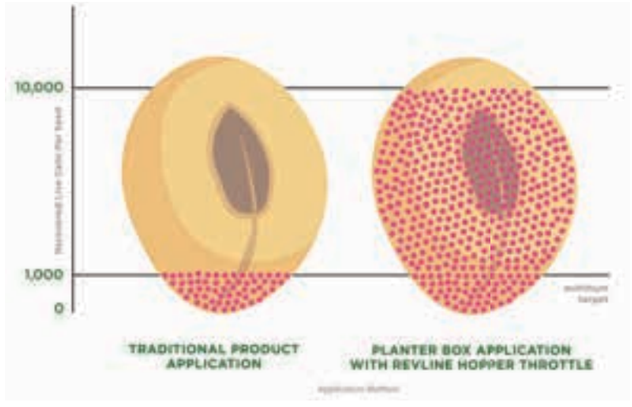
POWERED BY BIO-CAPSULE TECHNOLOGY™
PLANTER BOX INNOVATION DELIVERY SYSTEM

NUTRIENT & MICROBIAL PLANTER BOX DELIVERY SYSTEM

BIO-CAPSULE™ technology: the first tool to deliver biologicals safely to the furrow. Meristem's patented delivery system makes it happen—**more bushels for less.**

BIO-CAPSULE = MORE LIVE CELLS PER SEED

To confirm even product distribution, seed lubricant plus the Terrasym biological was applied per grower standard practice. AIP agronomists collected seed samples at various progress points during planting (20%, 50%, and 80% completion). New Leaf Symbiotics scientists assessed the seed samples to confirm the living microbes found in Terrasym products were evenly distributed across large-scale commercial fields. Over 10,000 live cells per seed were found at each stage of planting, 10x more than traditional applications.



OVER 10,000 LIVE CELLS PER SEED AT EACH STAGE OF PLANTING

LIVE CELLS PER SEED WITH TERRASYM FOR SOYBEAN

20% planted = 39,914
50% planted = 38,312
80% planted = 38,591

MERISTEM CROP PERFORMANCE **MORE BUSHELS FOR LESS**

BIO-CAPSULE™ BENEFITS

WITHIN THE BIO-CAPSULE™

Azotobacter chroococcum	Free-living, nitrogen-fixing bacteria that can contribute significantly to plant nutrition and growth. Bacteria in this genus can also synthesize natural plant hormones and stimulate microbes in the rhizosphere.
Azotobacter vinelandii	Nitrogen-fixing bacteria which can take up nitrogen from air. Azotobacter species can also convert atmospheric nitrogen to ammonia.
Azospirillum brasilense	Rhizobacteria which is able to increase plant growth by fixing atmospheric N nonsymbiotically and by producing plant growth substances such as plant hormones (auxins).
Azospirillum lipoferum	Rhizobacteria known for its phytohormone production and nitrogen-fixing ability.
Paenibacillus azotofixans	Nitrogen-fixing bacterium which competitively colonizes plant roots and enhances plant growth by several direct mechanisms including phosphate solubilization, nitrogen fixation, degradation of environmental pollutants, and hormone production.
Trichoderma harzianum	Fungal microorganism well known for its positive association with plant roots—supporting plant health by improving root architecture and positively influencing plant nutrient uptake.
Bacillus amyloliquefaciens	Grows with plant roots and forms a long-lasting active biofilm on fine root hairs, resulting in an excellent biofertilizer that can activate soil nutrients by changing the forms of soil elements.
Thiobacillus ferrooxidans	Oxidizes iron as an energy source to support autotrophic growth and produces ferric iron as well as oxidizing sulfur—producing sulfates useful for the plant.
Bacillus subtilis	Solubilizes soil phosphorus and enhances nitrogen utilization, as well as promotes plant growth.
Bacillus licheniformis	Improves soil micro-ecology and increases fertilizer use efficiency. This bacterium grows with plant roots and provides season-long benefits.
Bacillus pumilus	Enhances plant-boron uptake through nutrient availability in the soil and has been documented to increase nitrogen uptake in plants.
Bacillus megaterium	Resilient bacterium that is known to produce phosphate-fixing and potassium-fixing fertilizers.

Terrasym® Methylobacterium gregans	A proven, industry-leading biostimulant PPFM strain that generates massive root structures.

RACEREADY™ Bradyrhizobia Inoculant	A proprietary triple-stack that accelerates early-season nodulation for maximum nutrient uptake.

POWERED BY ETHER™ ENZYME TECHNOLOGY	ETHER Enzyme Technology is designed to work with live microbes to activate nutrient availability more quickly in the soil through the combination of two enzymes, mannanase and lipase and 18% active carbon. ETHER dramatically improves the availability of phosphorus (P) and potassium (K) and provides a gateway for faster colonization of biologicals.

REVLINE® HOPPER THROTTLE™ SOYBEAN is powered by **BIO-CAPSULE TECHNOLOGY™** - a patented delivery system that helps farmers save time, labor and fuel. The **BIO-CAPSULE** carrier system allows for the addition of multiple biological solutions safely packaged for convenient deployment at planting.

RHT SOYBEAN

PAIL BASE:
- 80/20 talc, graphite, iron (Fe) and manganese (Me) blend, with 0.43 lbs IONLOCK™ Zinc

BIO-CAPSULEs:
- Blue: 8-pack biofertility and N-fixing microbes
- White: 5 oz Terrasym
- Black: RACEREADY™ Bradyrhizobia inoculant

RHT SOYBEAN with ETHER

PAIL BASE:
- 80/20 talc, graphite, iron (Fe) and manganese (Me) blend, with 0.43 lbs IONLOCK™ Zinc

BIO-CAPSULEs:
- Blue: 8-pack biofertility and N-fixing microbes
- White: 5 oz Terrasym
- Green: ETHER Enzyme Technology
- Black: RACEREADY™ Bradyrhizobia inoculant

Untreated Treated

Untreated Treated

PIONEER DIGITAL EXPERIENCE

powered by Granular Insights

Enjoy best-in-class product management and highest return on investment when you combine local knowledge, expertise, and service with our technology.

HARNESS PIONEER EXPERTISE ALL SEASON LONG

Field by Field Crop Plans

Stay on track with tailored seed, crop protection, and nutrient crop plans.

- Your local team pairs product and agronomy expertise to create crop plans – i.e. corn on corn fields using Qrome® products or heavy cyst nematodes fields using Peking SCN source varieties with ILEVO® seed treatment.

On-Demand Reports

Generate Planning, As-Planted, Growing Season and Harvest reports.

- Place planning reports in the tractor, share planting reports, and review performance with your Pioneer team to create next year's plans.

Variable Rate Seeding Prescriptions

Customized corn and soybean seeding prescriptions.

- Push the max in high corn yielding areas and reduce costs on the drought prone areas.

Planting Data Connectivity & Upload

A single place to store, visualize, and utilize data captured in field.

- Your local team knows where Pioneer® brand products are planted to service you efficiently and discuss end of year results.

Agronomic Map Layers

Visualize Soils, Varieties, Seeding Rates, Planting Dates, Yields and Moistures.

- Use Lasso to eliminate headlands and zero in on the true field performance or easily compare a subfield area of your field across map layers.

Field Notes & Observations

Observe, capture and share field notes between you and the Pioneer team.

- Geolocated notes and photos let you know which fields are trending favorably and where decisions need to be made.
- Optimize silage harvest and request silage staging reports from your Pioneer team.

Satellite Imagery

Satellite imagery combined with geo-location technology to diagnose.

- Get a bird's eye view and compare imagery and yield layer to understand impacts to yield results.

Harvest Data Connectivity & Upload

A single place to store and visualize the seasons results.

- Connect the yield monitor to Granular Insights via Wireless Data Transfer (John Deere Operations Center,™ Ag Leader® AgFiniti,® & CaseIH AFS Connect™).

Analyze Performance

Analyze machine data to understand field and product performance.

- See a holistic view of yield via field, soil and variety. Drill deeper into the results and compare two varieties by field, seeding rate, soil, and planting date to understand performance.

Notes

BAKER AG

PIONEER

SINCE 1983

www.baker.ag

Keith, Jake, Tim Baker

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