2023

PIONEER® BRAND PRODUCTS & SERVICES.

PIONEER®®  MADE TO GROW™
Commitment to Farm

Your farm is your business, your livelihood, your history and your legacy. You’re committed to farm… and so are we. At Corteva Agriscience, everything we do is guided by a simple principle - we put farmers first. When we take care of you, our mutual success ensures progress for generations to come. Our commitment to farm is a promise to be by your side in good times and bad, through bumper yields and wild weather. We understand what a commitment to farm takes and we rise to meet that challenge.

In everything we do. In every moment we’re here. In every choice we make.

Commitment to Innovation

The farm is at the heart of everything we do, so when you choose a Corteva product, it’s an investment for your farm today and tomorrow. Every bag of seed and acre of crop protection we sell is a commitment we make to develop agriculture technology.

You grow. We invest.

It’s part of our commitment to farm, and it’s because we understand that we only grow when you grow.

Our Local Canadian Presence

Headquartered in Calgary, Alberta, we have over 10 local advanced technology centres, with 95 years of research expertise, that work closely with farmers across the country. Because we know the needs of every customer on every day is unique. Our Commitment to Farm is to provide you with the very best in seed, seed applied technologies, crop protection and digital solutions so you get the most out of every acre, both today and in the future.

NEVER ONE TO BACK DOWN FROM A CHALLENGE.

YOU’LL FACE DOUBTERS ALONG THE PATH YOU’RE BLAZING, BUT WITH PIONEER THERE IS NO DOUBT. YOUR PIONEER SALES REPRESENTATIVE IS HERE TO BACK YOU UP WITH LOCAL AGRONOMIC SUPPORT AND THE BEST GENETICS FROM OUR WORLD-LEADING INNOVATION PROGRAM TO HELP YOU GROW FURTHER THAN EVER BEFORE. LET’S BUST THROUGH.

PIONEER.COM/CANADA

Learn more at corteva.ca
Contest Rules and Regulations:
Subject in all respects to Official Rules at: www.yieldhero.pioneer.com. Contest begins 12:00 a.m. MT 8/15/22 and ends 11:59 p.m. MT 11/14/22. Open to legal residents of SK, AB, MB or BC who are age of majority+ and own or work on a farm. Void outside of the foregoing provinces.

Winners who enter via Twitter must correctly answer a time-limited mathematical skill-testing question to be eligible to win a prize. There are 30 grand prizes available to be won. Grand prize winners will be awarded a trip for two (2) to the Commodity Classic in Orlando, FL March 9-11, 2023. The approximate retail value (“ARV”) is $5000.00 (CAD) per grand prize winner.

* Date and location of the 2023 Yield Hero trip subject to change due to unforeseen circumstances.

2022 Yield Hero Contest includes Seed and Corteva Agriscience™ Crop Protection Categories

For complete contest rules and details visit: yieldhero.pioneer.com OR follow us @PioneerSeedsCA #yieldhero22

The Pioneer Yield Hero contest is an opportunity to celebrate your high yields and success! #yieldhero22

Join our growing list of heroes who grow Pioneer® brand seed products.

2021 Twitter winners

<table>
<thead>
<tr>
<th>NAME/FARM</th>
<th>TOWN</th>
<th>PROV</th>
<th>HYBRID</th>
<th>YIELD BU/AC</th>
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<tbody>
<tr>
<td>Solonenea Farms</td>
<td>Yorkton SK</td>
<td>SK</td>
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SEED AND CORTEVA AGRISCIENCE™ CROP PROTECTION CATEGORY WINNERS

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<tr>
<th>NAME/FARM</th>
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<th>PROV</th>
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<th>YIELD BU/AC</th>
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<tr>
<td>Kurt Brown</td>
<td>Rossburn MB</td>
<td>MB</td>
<td>P506MCL</td>
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<td>Graeme Minke</td>
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<td>P506ML</td>
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<td>AB</td>
<td>P506ML</td>
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2021 Pioneer Yield Hero Winners

WESTERN CANADA

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<tr>
<th>CANOLA NAME/FARM</th>
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Date and location of the 2023 Yield Hero trip subject to change due to unforeseen circumstances.

One (1) of 30 trips for two (2) to the Commodity Classic Orlando, Florida

March 9-11, 2023
PIONEER PROTECTOR® CLUBROOT HYBRIDS
Pioneer Protector® clubroot hybrids provide high yields and protection against multiple races of clubroot across Western Canada. They are for canola growers who want:

- High yields and leading-edge protection against clubroot
- To prevent disease establishment and minimize clubroot spore levels by using clubroot resistant hybrids
- Multiple sources of clubroot resistance available in Pioneer Protector® Clubroot hybrids allows for a proactive approach to clubroot management

All Pioneer Protector® brand canola hybrids will include the Pioneer Protector® clubroot trait, a critical tool against a growing disease threat to Western Canadian farmers.

PIONEER PROTECTOR® SCLEROTINIA HYBRIDS
High yields and the consistent performance of Pioneer Protector® canola hybrids with built-in resistance to the yield-robbing disease sclerotinia.

- Canola hybrids with the Pioneer Protector® Sclerotinia resistance trait are for growers looking to manage the risk of sclerotinia infection and achieve high yields by:
  - Reducing sclerotinia incidence by over 65%, as well as reducing overall severity
  - Season-long control – providing protection from sclerotinia throughout the entire growing season
  - Convenience – protection is planted with the seed
  - Peace of mind – providing increased flexibility and insurance when timing fungicide applications for additional control
  - Maximizing yield – canola seed with Pioneer Protector® Sclerotinia + a fungicide maximizes protection and reduces yield loss under severe disease pressure

YIELD, PERFORMANCE AND THE PROTECTION OF THE PIONEER PROTECTOR® TRAITS – BUST THROUGH WITH YIELD!
- Pioneer Protector® brand canola offers high-yielding, consistently-performing canola hybrids with the added benefit of the Pioneer Protector® traits that:
  - Provide solutions to various agronomic and harvest management challenges on farmer’s fields
  - Manage weed resistance with the strength of the Pioneer® canola portfolio - high yields, consistent performance and Pioneer Protector® traits available in all herbicide tolerant systems

PIONEER PROTECTOR® Brand Canola

OUT-YIELD THE DOUBTERS.
GET THE #YIELDHERO DATA AT YIELDHERO.PIONEER.COM

Yield HERO

BLAZE A NEW PATH FORWARD WITH THE ONLY CANOLA THAT COMES WITH THE PERFORMANCE OF THE PIONEER PROTECTOR® TRAITS, INCLUDING INDUSTRY-LEADING CLUBROOT AND SCLEROTINIA PROTECTION, AND HARVESTING OPTIONS. YOUR INVESTMENT IS PROTECTED WITH OUR UNSURPASSED LUMIGEN® INSECTICIDE AND FUNGICIDE SEED TREATMENTS. LET’S BUST THROUGH.

6 | Canola

Canola | 7
NEW Lumiderm® Insecticide Seed Treatment

Excellent protection against both flea beetles and cutworms
- Enhanced crucifer and striped flea beetle protection
- Excellent control of early season cutworms
- Excellent early season seedling stand establishment, vigour and biomass
- Up to 35 days of protection through the critical stages of seedling growth
- Group 28 chemistry provides an additional mode of action for powerful airborne blackleg protection
- The NEW Lumiderm fungicide seed treatment contains four effective active ingredients for industry-leading, broad-spectrum disease protection against seedling disease complex including pre and post emergence damping off, seedling blight, and root rot.

Lumiderm

LUMIDERM RESULTS

+1.4 BU/AC

-35% FLEA BEETLE DAMAGE

Shown in 137 grower demo trials.

119.3

124

Current Commercial STD

New LumiGEN Canola ST + Lumiderm

PLANT STAND COUNTS (20 – 25 DAE)

The Lumigen Canola Package provides proven, industry-leading protection from critical diseases & insects in canola.

NEW LumiGEN® Fungicide & Insecticide Seed Treatments for Canola

Clearfield® canola hybrids provide you with access to premium marketing opportunities and more.

Have you heard about Clearfield canola?
Clearfield canola offers producers differentiated marketing and resistance management opportunities. It provides producers an alternative mode of action option and flushing weed control in one pass.

Why choose the Clearfield canola production system?
- Access to premium Identity Preserved marketing program options
- An alternative mode of action to manage previous crop volunteers, including volunteer canola
- Includes Ares® SN herbicide for one-pass, flushing weed control that delivers reliable post-emergent control of grass and broadleaf weeds.

Choose hybrids that work best for your operation
The Clearfield canola production system gives you the flexibility to select hybrids that fit your farm. Pioneer® brand seeds offer high-yielding canola hybrids in a variety of maturities, resistance to disease and with superior agronomic traits.

Clearfield canola hybrids offer the potential to access premium Identity Preserved marketing opportunities. Visit Pioneer.com/Canada for a full list of available hybrids.

Add an alternative mode of action to your herbicide rotation
The Clearfield canola production system provides increased crop rotation and herbicide options for maximum rotational flexibility. You have the option to utilize group 2 chemistry, such as Ares SN or Amity® WDG herbicides, to balance herbicide rotations and introduce an alternative mode of action to manage previous crop volunteers, including volunteer canola, in tight canola rotations.

Key weeds controlled
- Wild Oats
- Volunteer Cerads (Barley, Canary Seed, Spring and Durum Wheat, Oats)
- Wild Buckwheat (cotyledon to 6 leaf)
- Volunteer Non-Clearfield Canola
- Chickweed
- Cleavers (1-4 whorls)
- Lamb’s quarters
- Redroot Pigweed

For full list of weeds controlled, please refer to the Ares SN or Amity WDG product labels or visit ClearfieldCanola.ca

In the Prairies Provinces except for the Peace Country of Alberta and British Columbia. In the Peace Country, the recommended herbicide option for Clearfield canola is Amity WDG.

Flushing weed control.

Even more reasons to switch to the Clearfield canola production system
- Control of glyphosate-resistant weeds
- Change resistance genetics for better management of blackleg and clubroot
- Ideal crop rotation choice when growing glyphosate-tolerant and Roundup Ready® soybeans

To learn more about Clearfield canola, visit ClearfieldCanola.ca
THERE IS SOMETHING BIG COMING IN CANOLA.

Coming soon – Optimum® GLY* from Corteva Agriscience is an advanced herbicide-tolerant trait technology designed to optimize growth. It gives you excellent yield potential, improved crop safety, enhanced weed control and a wider window of application – everyone will want a look.

Optimum® GLY from Corteva Agriscience. Learn more at OptimumGLY.corteva.ca

Optimum® GLY is an advanced herbicide-tolerant trait technology.

There is something big coming in canola!

Unlock the genetic potential of your canola with Optimum® GLY* – a herbicide-tolerant trait technology designed to deliver top yield potential and agronomic trait performance.

What does Optimum GLY canola deliver?

- **Improved crop safety.**
  Optimum GLY enables farmers to make herbicide applications at the optimal time and rate without impacting the yield potential of the hybrid.

- **Enhanced, broad-spectrum annual and perennial weed control with effective rates of glyphosate.**
  Optimum GLY offers canola producers an excellent weed control system to deliver improved annual and perennial weed control over competitive herbicide systems.

- **Greater convenience and flexibility when spraying.**
  Optimum GLY expands the window of application, allowing farmers the flexibility to time their herbicide application to maximize weed removal options. This gives producers time to cover large acres or clean up late flushes of weeds without the risk of yield impact from late-season applications.

Flexible rates and application timing up to first flower

- **Total maximum application of 2 REL/ac per season**
  - Apply as 1 application from emergence to 6-leaf stage or –
  - Apply as 2 sequential applications of up to 1 REL/ac from emergence to 1st flower
  - Sequential applications must be at least 14 days apart
  - Allows management of hard-to-control weeds and enhanced crop safety

**Weed Control Timing**

- **Plant Optimum GLY canola.**
- **Apply glyphosate herbicides. No later than 1st flower.**

**Religious Liberty**

1 REL = 360g a.e. per L. Always read and follow herbicide label directions.

RT73 = Roundup Ready® Canola.

Optimum GLY herbicide tolerance trait

RT73 - 0.5 REL/ac applied sequentially at 4 leaf and 1st flower (not a labeled application timing)

Optimum GLY herbicide tolerance trait 0.5 REL/ac sequentially applied at 4 leaf and 1st flower

*The Optimum® GLY herbicide tolerance trait will not be offered for sale or distribution until completion of field testing and applicable regulatory reviews.
### Featured Canola Hybrids

#### P505MSL
A next generation, top-performing Pioneer Protector® hybrid with high yield potential, clubroot, blackleg and sclerotinia resistance, combined with options for harvest.
- Superior yield potential
- Excellent early growth and field emergence
- Very good lodging score
- "R" for Clubroot New source (CR2)
- "R" for Clubroot vs 2F, 3H, 5I, 6M and 8N (CR1)
- "R" for Blackleg
- Suitable for all growing regions

#### P612L
A new canola hybrid with superior yield and a new source of Pioneer Protector® clubroot resistance with the LibertyLink® herbicide trait.
- Outstanding yield potential
- Very good lodging reduction score
- "R" for Blackleg
- "R" for Clubroot vs 2F, 3H, 5I, 6M and 8N (CR1)
- Suitable for all growing regions

### New

#### P506ML
A high-yielding Pioneer Protector® hybrid with clubroot, blackleg, harvesting options, and the LibertyLink® herbicide trait.
- Superior yield potential
- Excellent early growth and field emergence
- Very good lodging score
- "R" for Clubroot vs 2F, 3H, 5I, 6M and 8N (CR1)
- "R" for Blackleg
- Suitable for all growing regions with options for harvest timing

#### P612L
Available for harvest timing options.

#### 45CM39
An exceptionally high-yielding Pioneer Protector® hybrid with the clubroot trait (new source), blackleg resistance and options for harvest timing.

#### 45M35
Yield, standability and harvest options – all in one package.

#### 44H44
Excellent yield, and the Pioneer Protector® clubroot trait in an early-maturity hybrid with strong adult blackleg resistance in one package.

#### 501L
Superior yield and Pioneer Protector® clubroot protection in the LibertyLink® herbicide trait.

### Source: 2020-2021 Corteva Agriscience field and IMPACT trials as of Feb 10, 2022
**Featured Canola Hybrids**

**P508MCL**
A high-yielding Pioneer Protector® canola with the Clearfield® herbicide tolerant trait that provides resistance to blackleg and options for harvest timing.

- Excellent yield potential
- Excellent early growth and field emergence
- Very good lodging score
- "R" for Blackleg
- Suitable for all growing regions with options for harvest timing

**P509L**
An early-maturing Pioneer Protector® clubroot hybrid with shorter stature and blackleg resistance, now with the LibertyLink® herbicide trait.

- Great yield to maturity
- Excellent field emergence
- Very good lodging
- "R" for Clubroot vs 2F, 3H, 5I, 6M and 8N (CR1)
- "R" for Blackleg
- Early – mid-maturity

**NEW P514CL**
A new Pioneer Protector® clubroot hybrid with both adult and seedling blackleg resistance in one package with the Clearfield® herbicide trait.

- Excellent yield potential
- Very good lodging score
- "R" for Blackleg – Contains seedling resistant gene
- "R" for Clubroot New Source (CR5) 2F, 3H, 5I, 6M, 8N, 2B, 3A, 3D, 5X

**LumiGEN® seed treatments are designed, verified and proven to work with Pioneer seed genetics, helping farmers establish healthy, uniform crops and maximize productivity.**

1 Source: 2020-2021 Corteva Agriscience field and IMPACT trials as of Feb 10, 2022
Pod Shatter Reduction Scores

PIONEER PROTECTOR® CANOLA POD SHATTER REDUCTION SCORES ALIGN TO THE CANOLA COUNCIL OF CANADA’S SCALE TO HELP GROWERS UNDERSTAND THE SHATTER TOLERANCE OF SPECIFIC CANOLA HYBRIDS.

The Pod Shatter Reduction score for a hybrid (1–9) creates a guide for a grower to understand the pod shatter risk for each canola hybrid as an option for straight cutting.

- Hybrid performance, with respect to pod shatter, can vary across Western Canada. Talking to your local Pioneer Sales Representative or Area Agronomist can help with understanding pod shatter reduction risk level of a hybrid in your area.
- Tolerance to pod shatter will not prevent pod drop.

Canola Shatter Ratings
Relative shatter performance of canola under pressure

This represents the level of canola shatter risk (which is different from pod drop) in a canola cultivar. Values do not depict a specific percentage of shatter but allow cultivars to be considered relative to the designated checks (45H33 and L255PC) which anchor the numerical/descriptive claim based on the seed provider data. The ratings are not a promise or performance guarantee given the significant environmental effects impacting the trait as described in stewardship documents. Please consult your retailer for recommendations.
**Prospect™**

Arylate active HERBICIDE

Give your canola the best start possible with the true pre-seed weed control power of Prospect™ herbicide.

- Controls a wide range of broadleaf weeds, including cleavers (overwintered and Group 2 resistant biotypes), hemp-nettle, flixweed, narrow-leaved hawk's beard and many more
- More consistent and complete control than glyphosate alone
- Flexibility to spray at 5 gal/ac low spray water volume without giving up weed control performance
- When tank mixed with glyphosate, Prospect provides three modes of action for multi-effective mode of action (MEMOA) control of key broadleaf weeds

**Eclipse™ XC**

HERBICIDE

Superior, season-long control of tough-to-kill weeds like wild buckwheat and Canada thistle.

- Broad-spectrum weed control in both glyphosate-tolerant canola and corn for superior control of wild buckwheat and Canada thistle
- Convenient all-in-one control with 2 modes of action
- Protects canola without negatively impacting yield or maturity, unlike elevated rates of glyphosate

**Lontrel™ XC**

HERBICIDE

The most effective in-season thistle control available – right down to the roots.

- For use on a number of crops including both corn and canola
- The most effective in-season thistle control available
- Flexibility to choose your rate for optimal thistle control

**Ares™ SN**

HERBICIDE

The performance standard in weed control for Pioneer® brand canola with the Clearfield® trait.

- Consistent and reliable post-emergent weed control, including subsequent flushes
- Wide window of application on both crop and weeds
- Superior control of lamb’s quarters, wild buckwheat, cleavers and volunteer canola

**Amity™ WDG**

HERBICIDE

The herbicide option for Pioneer® brand canola with the Clearfield® trait in the Peace Country.

- Rotational flexibility for farmers in the Peace Country region of Alberta
- Broad-spectrum control for Clearfield canola
- Reliable control of tough grasses and targeted broadleaf weeds

**Surjet™**

ADJUVANT

Surjet™ Adjuvant is a blend of surfactant and petroleum hydrocarbons designed for use with Ares™ SN or Amity™ WDG herbicides.

- Rate: 0.5% v/v
- Water volume: 100L/ha or 10 US gal/ac

Need to purchase Surjet Adjuvant when applying Amity WDG

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**Choose From a Full Line-Up of Crop Protection Products to Help Secure Your Investment in Pioneer Protector® Canola**

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**Download the 2022 Corteva Agriscience Field Guide App**

The Corteva Agriscience™ 2022 Field Guide app showcases our expanded portfolio of Canadian crop protection products and is designed to help you get the most out of every acre. It's a quick access, easy and user-friendly tool that assists in choosing the right high performing products as well as the right order to tank-mix them.

**At the click of a button have access to:**

- Crop protection options
- Herbicide product quick facts
- Key product use information
- Insects and disease control solutions
- Tank mix order tool
- V/V% Calculator
- Information about the Corteva™ Flex+ Rewards program
- Links to online guides and info on our digital tools

Scan the code with your mobile device to learn more.
Pioneer® brand Optimum® AcreMax®, Optimum® AcreMax® XTreme and Qrome® Products

Maximized Yields And Simplified Refuge Compliance

Pioneer is committed to delivering integrated refuge products that provide growers with increased flexibility and convenience for insect resistance management (IRM). The Pioneer® brand integrated refuge product lineup brings multiple modes of action for insect protection, to help increase overall farm yields by reducing refuge and extending the durability of important traits.

### PESTS CONTROLLED OR SUPPRESSED

- **European Corn Borer**
- **Corn Earworm**
- **Fall Armyworm**
- **Black Cutworm**
- **Western Corn Rootworm**
- **Northern Corn Rootworm**

### DESCRIPTION

- **Optimum® AcreMax®**: Single-bag product with integrated corn borer refuge
- **Optimum® AcreMax® XTreme**: Single-bag product with integrated corn borer and corn rootworm refuge
- **Qrome®**: Single-bag product with integrated corn borer and corn rootworm refuge

### BENEFITS

- **Optimum® AcreMax®**: Ultimate simplicity, maximized farm yields, technology preservation
- **Optimum® AcreMax® XTreme**: Maximum yields, technology preservation, proven performance, multiple modes of insect protection
- **Qrome®**: Maximum yields, technology preservation, proven performance, multiple modes of insect protection

### REFUGE

- **Optimum® AcreMax®**: Integrated refuge; no separate refuge required
- **Optimum® AcreMax® XTreme**: Integrated refuge; no separate refuge required
- **Qrome®**: Integrated refuge; no separate refuge required

### REFUGE EXAMPLES

<table>
<thead>
<tr>
<th>Optimum® AcreMax®</th>
<th>Optimum® AcreMax® XTreme</th>
<th>Qrome®</th>
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<tr>
<td><img src="image1.jpg" alt="Product Image" /></td>
<td><img src="image2.jpg" alt="Product Image" /></td>
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**Out-Yield The Doubters.**

Get the #YIELDHERO data at YIELDHERO.PIONEER.COM

**Blaze Your New Path In Corn, With Genetics Bred For The West.** Choose from a diverse lineup of hybrids that finish strong and dry down fast for earlier harvests and maximum profit. Your investment is protected with our best-in-class LUMIGEN™ insecticide, fungicide and nematicide seed treatments. Because it’s all about yield. Let’s bust through.
Corn Traits and Technologies

Efficacy levels based on Pioneer university entomologist results against susceptible insect populations. Product responses can vary by location, past population, environmental conditions and agricultural practices.

**TECHNOLOGY SEGMENT IDENTIFIERS**

<table>
<thead>
<tr>
<th>TECHNOLOGY SEGMENT IDENTIFIERS</th>
<th>CORN TECHNOLOGY TRAITS</th>
<th>INSECT EFFICACY LEVELS</th>
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<tbody>
<tr>
<td>RR2</td>
<td>Roundup Ready® Corn 2</td>
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<tr>
<td>LL</td>
<td>LibertyLink®</td>
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<td>Grams®, LibertyLink®, Roundup Ready® Corn 2 (Corn Borer / Rootworm)</td>
<td>C S C C C C C C S C C C</td>
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</tbody>
</table>

-C = Controlled  S = Suppressed  Blank = Not Labeled

All scores of integrated refuge products are based upon the major component.

* 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, Pioneer recommends you implement Integrated Pest Management 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 authorized Pioneer sales representative 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.

**Lumialza™ nematicide seed treatment**

Lumialza™ nematicide seed treatment is a biological nematicide that shields corn roots from harmful nematodes for over 80 days while cooperating with beneficial organisms to enhance crop vigour and yield potential.

**NEW**

**Lumiscend™ Pro**

Fungicide Seed Treatment

Lumiscend™ Pro insecticide seed treatment delivers excellent broad-spectrum protection on key early season corn insect pests.

**NEW Lumivia™ insecticide seed treatment**

Lumivia™ insecticide seed treatment delivers excellent broad-spectrum protection on key early season corn insect pests.

Lumivia completes the LumIGEN corn package. Add Lumivia to maximize your corn protection.

1. Roots from corn plants infested with root lesion nematode Pratylenchus thornei (cv. thornei) 42 days after emergence.
2. Above ground photos of plants from untreated corn seed infested with Pratylenchus spp. Q2 DAE (left) and corn plants from seed treated with luminal at 10 ml/ha (right).
4. Source: Small Plot and Large Demo Trials from 2015 – 2016 (n=9)
Featured Grain Corn Hybrids

**P7211AM**
2050 HEAT UNITS
- Industry leader in early grain corn performance
- Fantastic yield for early maturity
- Very good test weight and grain quality
- Excellent drought tolerance scores
- Above-average stalk strength

**P7455R**
2100 HEAT UNITS
- Excellent agronomic package from planting to harvest
- Great early season vigour and emergence
- Solid mid-late stalk and root strength
- Strong grain performance across various growing conditions/soil types
- Very good test weight
- Short plant height for improved residue management

**P7389AM**
2075 HEAT UNITS
- Above average Goss Wilt score
- Above average stalks and root strength
- Good Test Weight score

**P7574AM**
2150 HEAT UNITS
- Consistent yield performance across various conditions or soil types where tested
- Well suited grain performance and maturities for Red River Valley and Southern AB
- Above average test weight
- Excellent early season vigour and emergence
- Average root and stalk strength
- Great silage characteristics with strong performance

**P7844AM**
2225 HEAT UNITS
- Very good yield potential, suited in southern Manitoba
- Good Goss's Wilt resistance

**P7861AM**
2250 HEAT UNITS
- Excellent yield performance with solid agronomic package
- Strongest Goss's Wilt rating in line-up
- Very good drought tolerance and stalk strength scores
- Excellent dual-purpose corn product with strong silage traits

**P7822AM**
2250 HEAT UNITS
- Above Average Stress emergence
- Good stalk strength
- Very good test weight
- Above average Plant height

**P7844AM**
2250 HEAT UNITS
- Very good yield potential, suited in southern Manitoba
- Good Goss's Wilt resistance

**P7861AM**
2250 HEAT UNITS
- Excellent yield performance with solid agronomic package
- Strongest Goss's Wilt rating in line-up
- Very good drought tolerance and stalk strength scores
- Excellent dual-purpose corn product with strong silage traits

**P7822AM**
2250 HEAT UNITS
- Above Average Stress emergence
- Good stalk strength
- Very good test weight
- Above average Plant height

LumiGEN® seed treatments are extensively tested across multiple years, geographies and environments. LumiGEN has become a trusted mark of assurance in seed treatments.

1. Grain corn yield data: Two-year (2020 - 2021) yield data summarized from large scale grower managed and IMPACT trials across Western Canada as of Feb 11, 2022.
## Featured Silage Corn Hybrids

### P6909R
**1950 HEAT UNITS**
- Ultra early silage corn hybrid
- Very good drought tolerance and stalk strength

### P7213R
**2050 HEAT UNITS**
- Consistent performing hybrid with balanced agronomic package
- Very good test weight
- Very good root strength
- Average stress emergence and drought tolerance
- Fast dry down

### P6910AM
**1950 HEAT UNITS**
- Very good yield for maturity
- Very good test weight
- Average Root and Stalk strength

### P7861R
**2200 HEAT UNITS**
- Excellent performing silage hybrid
- Very good stalk strength and drought tolerance
- Good Root Strength and Goss’s Wilt Resistance

### P7213R
**2050 HEAT UNITS**
- Consistent performing hybrid with balanced agronomic package
- Very good test weight
- Very good root strength
- Average stress emergence and drought tolerance
- Fast dry down

### P7958AM
**2275 HEAT UNITS**
- Optimum® AcreMax® product delivering integrated refuge for above-ground insect control
- Very good drought tolerance and root strength
- Moderate Goss’s Wilt resistance
- Excellent silage characteristics and performance

### P8047AM
**2450 HEAT UNITS**
- Dual-purpose corn product with excellent drought tolerance
- Very good stalks and root scores
- Average Goss’s Wilt resistance

### P8294AM
**2400 HEAT UNITS**
- Excellent silage characteristics and performance
- Tall plant stature
- Great late-season plant health
- Excellent early-season vigour and emergence
- Good Goss’s Wilt resistance

### P8581R
**2575 HEAT UNITS**
- Excellent stalk strength
- Very good root strength
- Above average drought tolerance
- Very good Goss’s Wilt resistance

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<th>PHY CRM</th>
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<th>PHY TO PHY</th>
<th>MAJOR STALK MATURE</th>
<th>SILK STRENGTH</th>
<th>BRITTLE STALK</th>
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** NOTES: For complete definitions and disclaimers related to product descriptions, characteristic ratings and disease ratings, and all other information contained herein, see page 6.**

* All scores of integrated refuge products are based upon the major component.

**Introductory product. Quantities may be limited.**

**CHARACTERISTIC RATINGS**

| STRESS | EMERGENCE | DROUGHT | TOLERANCE | STAYGREEN | HIGH RESIDUE | SUITABILITY | GRAIN DRYDOWN | EAR FLEX(10) | TEST WEIGHT | PLANET RESIST | GDUS TO PHY. | MATURITY | STALK STRENGTH | BRITTLE STALK | STARCH AND SUGAR, % |
|--------|-----------|---------|-----------|-----------|--------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|----------|---------------|--------------|-------------------|
| 6      | 6         | 3       | S         | S         | 3            | 9           | 3            | 4            | 3           | 4           | 3           | 46        | 6         | 9             | 5             | 5                 |
| 5      | 5         | 3       | HS        | 6         | 2           | 7           | 5            | 4            | 3           | 4           | 3           | 8          | 8         | 8             | 8             | 8                 |
| 4      | 4         | 3       | S         | S         | 4           | 7           | 5            | 4            | 3           | 4           | 3           | 11         | 6         | 8             | 8             | 8                 |
| 3      | 3         | 3       | S         | S         | 3           | 4           | 7           | 5            | 4           | 3           | 4           | 15         | 6         | 8             | 8             | 8                 |
| 2      | 2         | 2       | S         | S         | 2           | 3           | 4           | 7           | 5            | 4           | 3           | 19         | 6         | 8             | 8             | 8                 |
| 1      | 1         | 1       | S         | S         | 1           | 2           | 3           | 4           | 7           | 5            | 4           | 3           | 23         | 6         | 8             | 8             | 8                 |
| 0      | 0         | 0       | S         | S         | 0           | 1           | 2           | 3           | 4           | 7           | 5           | 4           | 27         | 6         | 8             | 8             | 8                 |

**OUTSTANDING** | **POOR** | **INSUFFICIENT DATA** | **NEW**
Crop Protection Products for Corn

**Lontral™ XC**
**HERBICIDE**

The most effective in-season thistle control available - right down to the roots.
- For use on a number of crops including corn and canola
- The most effective in-season thistle control available
- Flexibility to choose your rate for optimal thistle control

**Eclipse™ XC**
**HERBICIDE**

Broad-spectrum weed control for superior control of wild buckwheat and Canada thistle.
- Now registered for application in glyphosate-tolerant corn from the VE to V6 stage (8 leaf*)
- Convenient all-in-one herbicide solution offering superior control of a broad spectrum of weeds

**Sortan™ IS**
**HERBICIDE**

Cleaner field, higher yield potential.
- Provides moisture-activated extended control throughout the critical weed free period (VE to V4)
- Removes early season weed competition with excellent control of volunteer glyphosate-tolerant canola and wild buckwheat
- Tank mix with glyphosate for an additional mode of action, providing a great tool for resistance management

CornHerbicides.corteva.ca

**POWER OF PIONEER**

The determination and expertise of our people push us to be better for Canadian farmers. Together, we’re shaping the future of farming.

THE POWER OF AGRONOMY
- 259 Reps in the field supporting farmers.
- 6,000,000 Pioneer acres in Canada in 2021.
- 75 Years growing with Canadian farmers.

THE POWER OF SUPPORT
- 21,000 Corteva employees globally.
- 806 Corteva Canada employees.
- 20,000+ Yearly customers served.

THE POWER OF INNOVATION
- 180+ Research staff in Canada. Plus dozens of seasonal employees.
- 10 Research centres across the country.
- 157 Canola, corn and soybean products offered in 2022.

*Pioneer internal data, 2021.
Developed and Tested To Deliver Performance

Pioneer® brand A-Series soybeans are products of research innovations powered by AYT 4.0, our proprietary tool for more rapidly developing products with the highest yield potential. Our extensive localized breeding and testing program helps ensure your A-Series soybeans deliver superior yield potential in your fields.

Highest Soybean Yield Potential

With soybean products that are developed across many Western Canada growing areas, Pioneer® brand A-Series soybean have outperformed other soybean varieties across multiple years and locations.

Backed by Unparalleled Research and Development

Pioneer has the industry’s most extensive localized soybean breeding and product testing program to deliver leading yield-potential soybeans customized for your acres.

Leading Defensive Traits to Beat Local Challenges

Our molecular breeding hones the native defensive traits you need to fight SCN, SDS, white mould, Phytophthora and many other yield-robbing diseases. Pioneer rigorously tests its products for disease resistance under the toughest conditions to help ensure peak performance in your local growing conditions.

Key Benefits of Pioneer® brand A-Series Soybeans:

Multiple product choices with Roundup Ready® 2 Xtend and Enlist E3™ soybeans in all maturity groups
- Maximize yield and profitability on your soybean acres
- Provide varieties suited to all environments in Western Canada
SOYBEANS

Enlist™ weed control system will change how you think about weed management in soybeans.

Enlist E3™ soybean varieties are now available. Using the Enlist weed control system, farmers can take control of resistant and hard-to-control weeds.

WHY USE THE ENLIST WEED CONTROL SYSTEM?
- A system with new traits providing herbicide tolerance in soybeans and corn
- Herbicide solutions built on an improved form of 2,4-D that lands and stays on target, enables management of hard-to-control and resistant weeds with Group 4 herbicides
- Enlist Stewardship resources that support the use of multiple modes of action to manage resistant weeds, provide training, and promote responsible and sustainable use

Enlist E3™ Soybeans

Enlist E3 soybeans provide high-yielding soybean genetics and industry-leading triple-mode of action herbicide tolerance.

WHY USE ENLIST E3 SOYBEANS?
- Enlist E3 soybeans are tolerant to 2,4-D, glyphosate and glufosinate herbicides, which are part of a strong resistance management strategy
- Excellent crop tolerance enabling applications up to the R2 growth stage

Enlist herbicides that land and stay on target

Enlist Duo® with COLEX-D® technology

COMPLETE CONVENIENCE.
Enlist Duo provides the convenience of both 2,4-D choline and glyphosate in one formulation for control of grasses and broadleaf weeds including hard-to-control and resistant weeds.

Enlist1 with COLEX-D® technology

FLEXIBILITY AND CHOICE.
Enlist 1, a stand-alone 2,4-D choline formulation, provides the flexibility to tank-mix and adjust the rates of glyphosate or Liberty® 200 SN (glufosinate) for hard-to-control and resistant weeds.

Lumisena™

FUNGICIDE SEED TREATMENT
- Most advanced seed-applied technology to protect against phytophthora
- Improves soybean emergence, vigour and root growth to maximize stand and yield potential
- The only seed-applied technology that delivers residual protection across multiple stages of the phytophthora pathogen’s life cycle
- Lumisena is a group 49, a new class of chemistry for superior disease protection

Learn more at EnlistCanada.ca

Lumiderm™

INSECTICIDE SEED TREATMENT
- Broad spectrum protection from early season insect pests including bean leaf beetles, soybean aphid and now registered for cutworms
- Excellent seedling protection delivers a more uniform, healthy stand to maximize yield potential

Lumiderm insecticide seed treatment + Lumisena fungicide seed treatment results in healthier, more abundant soybean stands.

Learn more at EnlistCanada.ca

Lumiderm complements Lumisena fungicide seed treatment and completes the LumiGEN soybean package. Add Lumiderm to maximize your soybean protection.
## Featured Soybean Varieties

### P001A48X
**2300 HEAT UNITS**
- Excellent field emergence and early growth scores
- Excellent harvest standability
- Very good anti-shatter score
- Good plant height

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<th>Source</th>
<th>Yield 1</th>
<th>Yield 2</th>
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0.5 BU/AC INCREASE

### P002A63R
**DEKALB® DK8003-29**

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### P003A97X
**2350 HEAT UNITS**
- Early maturity soybean with high yield potential
- Very good field emergence and harvest standability
- Cyst Nematode resistance (PI88788)
- Above average iron chlorosis rating

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0.3 BU/AC INCREASE

### P005A27X
**NEW**
**2400 HEAT UNITS**
- Very good early growth
- 1C gene for phytophthora field tolerance
- Very good harvest standability
- Average canopy width

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### P005A59E
**NEW**
**2400 HEAT UNITS**
- High-yielding mid-maturity variety
- Excellent harvest standability
- Very good field emergence and anti-shatter score
- Average plant height for maturity
- Performs well on heavy soils

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<td>32.8 bu/ac</td>
<td>32.4 bu/ac</td>
<td>32.4 bu/ac</td>
<td>32.4 bu/ac</td>
<td>32.4 bu/ac</td>
<td>32.4 bu/ac</td>
<td>32.4 bu/ac</td>
</tr>
</tbody>
</table>

0.5 BU/AC INCREASE

### P005A83X
**2375 HEAT UNITS**
- Good canopy width soybean with very good yield potential
- Excellent field emergence and anti-shatter scores
- Good iron chlorosis rating
- Cyst Nematode resistance (Peking source)
- Very good harvest standability
- Performs well on heavy soils

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Yield 1</th>
<th>Yield 2</th>
<th>Source 1</th>
<th>Yield 3</th>
<th>Source 2</th>
<th>Yield 4</th>
<th>Source 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>P005A83X</td>
<td>5 locations</td>
<td>36.1 bu/ac</td>
<td>35.1 bu/ac</td>
<td>35.1 bu/ac</td>
<td>35.1 bu/ac</td>
<td>35.1 bu/ac</td>
<td>35.1 bu/ac</td>
<td>35.1 bu/ac</td>
</tr>
</tbody>
</table>

1.0 BU/AC INCREASE

### P006A37X
**2425 HEAT UNITS**
- High-yielding mid-maturity variety
- Excellent harvest standability
- Very good field emergence and anti-shatter score
- Average canopy width
- Performs well on heavy soils

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Yield 1</th>
<th>Yield 2</th>
<th>Source 1</th>
<th>Yield 3</th>
<th>Source 2</th>
<th>Yield 4</th>
<th>Source 3</th>
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</thead>
<tbody>
<tr>
<td>P006A37X</td>
<td>23 locations</td>
<td>33.1 bu/ae</td>
<td>32.7 bu/ac</td>
<td>32.7 bu/ac</td>
<td>32.7 bu/ac</td>
<td>32.7 bu/ac</td>
<td>32.7 bu/ac</td>
<td>32.7 bu/ac</td>
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</tbody>
</table>

0.0 BU/AC INCREASE

### P00A49X
**2525 HEAT UNITS**
- Very good field emergence and iron chlorosis rating
- Good harvest standability
- Average field phytophthora tolerance (1C gene)
- Cyst Nematode resistance (source PI88788)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Yield 1</th>
<th>Yield 2</th>
<th>Source 1</th>
<th>Yield 3</th>
<th>Source 2</th>
<th>Yield 4</th>
<th>Source 3</th>
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<tbody>
<tr>
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<td>13 locations</td>
<td>38.0 bu/ae</td>
<td>38.7 bu/ac</td>
<td>38.7 bu/ac</td>
<td>38.7 bu/ac</td>
<td>38.7 bu/ac</td>
<td>38.7 bu/ac</td>
<td>38.7 bu/ac</td>
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</tbody>
</table>

0.1 BU/AC INCREASE

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* Soybean yield data: Two-year (2020-2021) yield data summarized from large-scale, grower managed and IMPACT trials across Western Canada as of Nov 8, 2021.
| VARIETY/BRAND* | RELATIVE MATURITY | RELATIVE MATURE | TECHNOLOGY SEGMENT | FIELD EMERGENCE | PHYTOTOXICITY | RAINFALL TOLERANCE | DOWNEY MILDEW | WHITE MOLD | SUDAN N. SYNDROME | SCN SOURCE | CYST NEMATODE RACE 1 | CYST NEMATODE RACE 2 | CYST NEMATODE RACE 3 | CYST NEMATODE RACE 5 | CYST NEMATODE RACE 14 | CANOPY WIDTH | PLANT HEIGHT FOR MATURITY | % PROTEIN @ 13% MOISTURE | % OIL @ 13% MOISTURE | SEED SIZE RANGE | PURPLE SEED COLOR | HILA COLOR | POD COLOR |
|----------------|------------------|-----------------|-------------------|----------------|-------------|------------------|--------------|----------|-----------------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|--------------------|----------------------|---------------------|----------------------|-------------------|
| P001A24E™ | 0.0 | E3 | 6 | 8 | - | 6 | 4 | 34.50 | 19.80 | 2400-3500 | G | BF | TN |
| P001A48X™ | 0.1 | R2 | 7 | 8 | 1c | 5 | 6 | 4 | - | 3 | 2 | 4 | 34.36 | 20.68 | 2600-3200 | T | TN | TN |
| P003A97X™ | 0.3 | R2 | 6 | 7 | 1k | 4 | 6 | 4 | 988788 | 8 | 6 | 5 | 4 | 34.47 | 21.04 | 2600-3200 | L | G | BR |
| P005A59E™ | 0.5 | E3 | 7 | 7 | 1c | 5 | 6 | 4 | 34.37 | 19.97 | 2300-2700 | L | BR | BR |
| P005A83X™ | 0.5 | R2 | 7 | 8 | 1c | 5 | 6 | 5 | PI88788 | 8 | 6 | 4 | 34.42 | 19.97 | 2300-2700 | L | BR | BR |
| P006A37X™ | 0.6 | R2 | 7 | 7 | 1c | 5 | 6 | 4 | 34.37 | 19.97 | 2300-2700 | L | BR | BR |
| P00A49X™ | 0.0 | R2 | 6 | 7 | 1c | 5 | 6 | 4 | PI88788 | 8 | 6 | 4 | 34.42 | 19.97 | 2300-2700 | L | BR | BR |
| P00A75X™ | 0.0 | R2 | 6 | 7 | 1c | 5 | 6 | 4 | PI88788 | 8 | 6 | 4 | 34.42 | 19.97 | 2300-2700 | L | BR | BR |

NOTES
*Introductory product. Quantities may be limited.
Reflects preliminary data. Subject to change when additional data becomes available.
All Pioneer products denoted with * are brand names.

Knowledge is Power. Strengthen your own farm knowledge by asking your Pioneer rep about Granular Insights. Scan the code to learn more.
### Alfalfa

#### Ratings

<table>
<thead>
<tr>
<th>Product</th>
<th>Herbicidal System</th>
<th>Relative Maturity</th>
<th>Yield</th>
<th>Emergence</th>
<th>Dr. Down</th>
<th>Oats O.C. Score</th>
<th>Oats Fertility</th>
<th>Plant Height</th>
<th>Neck Strength</th>
<th>Rust Resistance</th>
<th>Root Rot Tolerance</th>
<th>Root Rot</th>
<th>Vascular C.</th>
<th>Verticillium</th>
<th>Phomopsis</th>
<th>Midge Score</th>
<th>Downy Mildew Race Resistance</th>
<th>Test Weight</th>
<th>Hull Score</th>
<th>PCT O3</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ALFALFA</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Product:**
- **P63ME80** ExpressSun
  - 38 7 6 6 7 8 8 7 6 7 7 5 6 6 6 1-4 7 4 5
- **63A21**
  - 29 7 8 7 4 8 9 7 8 7 1 4 4 3 3 1 6 4 5

**High-Oleic**
- **P63HE501** ExpressSun
  - 35 8 6 7 6 7 6 7 7 5 6 7 1-4 8
- **P63HE60**
  - 37 6 6 7 8 8 6 7 6 7 7 5 6 6 6 1-4 8 5

**Mid-Oleic (NUSUN® Oil)**
- **P63ME80** ExpressSun
  - 38 7 6 6 7 8 8 7 6 7 7 5 6 6 6 1-4 7 4 5

**Linoleic (Conventional Oil)**
- **63A21**
  - 29 7 8 7 4 8 9 7 8 7 1 4 4 3 3 1 6 4 5

**All Pioneer products denoted with ™ are brand names, in which case it is comprised of more than one Pioneer brand variety.**

**Notes**
- For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 48.

### Sunflower

#### Ratings

<table>
<thead>
<tr>
<th>Variety or Brand</th>
<th>Hericides Resistance</th>
<th>Forage Yield</th>
<th>Fall Dorsancy</th>
<th>Winter Hardiness</th>
<th>Stand Persistence</th>
<th>Stand Stability or Lodging</th>
<th>Relative Forage Quality Index</th>
<th>Milk / Beef Yield Per Acre</th>
<th>Disease Resistance Index</th>
<th>Relative Beef Yield</th>
<th>Multi-Race Root and Crown Diseases</th>
<th>Vascular Wilt Diseases</th>
<th>Aphid Resistance</th>
<th>Aphanothece Root Rot (Race 1)</th>
<th>Aphanothece Root Rot (Race 2)</th>
<th>Bacterial Wilt</th>
<th>Fusarium Wilt</th>
<th>Verticillium Wilt</th>
<th>Stem Remotode</th>
<th>Northern Root Rot</th>
<th>Nematode</th>
<th>Pea Aphid</th>
<th>Potato Aphid</th>
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</table>
Sila-Bac® brand Forage Additives
Crop-Specific Options Using Patented and/or Proprietary Bacterial Strains

<table>
<thead>
<tr>
<th>Sila-Bac® Brand Inoculants</th>
<th>Sila-Bac® Brand Nutrivail® Feed Technology</th>
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<tbody>
<tr>
<td>ALFALFA</td>
<td>11CFT</td>
</tr>
<tr>
<td>CORN</td>
<td>11AFT</td>
</tr>
<tr>
<td>CEREALS</td>
<td></td>
</tr>
<tr>
<td>HIGH-MOISTURE CORN</td>
<td>11GFT</td>
</tr>
<tr>
<td>GRASS/CEREAL</td>
<td></td>
</tr>
<tr>
<td>HIGH-MOISTURE CORN</td>
<td>11B91</td>
</tr>
<tr>
<td>ALFALFA</td>
<td>11H50</td>
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<tr>
<td>CEREALS</td>
<td></td>
</tr>
<tr>
<td>ALFALFA SILAGE</td>
<td></td>
</tr>
</tbody>
</table>

**IMPROVES FERMENTATION AND REDUCES DRY MATTER LOSS**
- X X X X X X X X

**IMPROVES NUTRIENT CONSERVATION**
- X X X X X X X X

**SIGNIFICANTLY REDUCES HEATING ON BUNKER/PILE**
- X X X X X X X X

**HELPS REDUCE HEATING IN ENTIRE TMR**
- X X X X X X X X

**IMPROVES FIBRE DIGESTIBILITY**
- X X X X X X X X

**Sila-Bac® Brand Inoculants**
- Improves dry matter digestibility
- Reduces dry matter loss
- Promotes faster, more efficient fermentation
- Helps improve alfalfa silage nutritional quality

**Rapid React aerobic stability technology**
- contains a proprietary bacterial strain that quickly goes into action, making feed ready in just 7 days

**Benefits include:**
- Faster access to your most valuable input
- A consistently cool bunker face
- Extended bunker life

**Extended bunklife**
- Helps improve alfalfa silage nutritional quality

**Notes**
- For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 49.
- *Rapid React* aerobic stability technology
- **Patented, proprietary and unique L. buchneri strain found only in Nutrivail® Technology products proven to improve rate of fiber digestibility
- † Improved aerobic stability and reduced heating is relative to untreated silage. Actual results may vary. The effect of any silage inoculant is dependent upon management at harvest, storage and feedout. Factors such as moisture, maturity, chop length and compaction will determine inoculant efficacy.

---

# Featured Sila-Bac brand Inoculants

11CFT
- CORN FIBRE TECHNOLOGY
- Multi-strain with L. buchneri
- Improves fibre digestibility
- Enables higher corn silage inclusion rates
- Reduces shrink and improves bunkerlife of the silage face during feedout

11AFT
- ALFALFA FIBRE TECHNOLOGY
- Multi-strain with L. buchneri
- Improves fibre digestibility
- Improves forage energy density to help reduce supplemental feeding cost

11GFT
- GRASS FIBRE TECHNOLOGY
- Multi-strain with L. buchneri
- Improves fibre digestibility
- Improves forage energy density to help reduce supplemental feeding cost
- Improves grass/cereal fermentation

11B91
- HIGH-MOISTURE CORN
- Multi-strain with L. buchneri
- Improves fermentation
- Retains nutrient content and enhances digestibility of ensiled high-moisture corn
- Provides improved bunkerlife and stable feed in 7 days

11H50
- ALFALFA SILAGE
- Improves dry matter digestibility
- Reduces dry matter loss
- Promotes faster, more efficient fermentation
- Helps improve alfalfa silage nutritional quality

---

**Sila-Bac® Brand Inoculants**
- 11C33, 11G22 and 11B91 – now with Rapid React aerobic stability technology – provide you with earlier aerobic stability for silage consistency and faster access to new crop feed, allowing maximum flexibility when managing feed inventory.
**ELIGIBLE CATEGORIES**

- **PRE-SEED HERBICIDES**
  - Korrex II
  - Liquid Achieve™ SC
  - Attain™ XC
  - Acapela™
  - Cresift™
  - Amity™ WDG
- **GRASS HERBICIDES**
  - Simplicity™
  - Cirpreme™ XC
  - Exhilarate™
  - Area™ SN
- **BROADLEAF HERBICIDES**
  - PrePass™ FLEX
  - OctTain™ XL
  - Prestige™ XL
  - Eclipse™ XC
- **FUNGICIDES**
  - PrePass™ XC
  - Pixxaro™
  - Prominex™
- **CANOLA & CORN HERBICIDES**
  - Prospect™
  - Lumisena™ fungicide seed treatment
  - Lumivia™ CPL insecticide seed treatment
  - Prism™ SG herbicide
- **CROSS SPECTRUM HERBICIDES**
  - Avenza™
  - Rexade™
  - Rezuvant™/Rezuvant™ XL
  - Tandem™
  - Tridem™

**BONUS SEED CATEGORY**

- Delegate™ insecticide
- eNtrench™ NXTGEN nitrogen stabilizer
- Enlist™ 1 herbicide
- Enlist Duo™ herbicide
- Grazon™ XC herbicide
- Lumisena™ fungicide seed treatment
- Lumivia™ CPL-insecticide seed treatment
- Primo™ 5G herbicide
- N-Serve™ nitrogen stabilizer
- Reclaim™ II herbicide
- Restore™ II herbicide
- Utrosha™ N nutrient efficiency biostimulant
- VP480

**Program Savings**

- **SEED BOOSTER** (Min. 300 acres)
  - 3%
  - When you purchase Pioneer® brand seed, you save on your Corteva Agriscience® crop protection purchases and will receive an additional eligible category.

- **EARLY BOOK**
  - 3%
  - Book by March 15, 2022 (Early book starting Sept 1, 2021)

<table>
<thead>
<tr>
<th>PROGRAM TIER</th>
<th>2 CATEGORIES</th>
<th>3 CATEGORIES</th>
<th>4 OR MORE CATEGORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CORE</strong></td>
<td>3%</td>
<td>3%</td>
<td>3%</td>
</tr>
<tr>
<td><strong>CORE PLUS</strong></td>
<td>4%</td>
<td>7%</td>
<td>11%</td>
</tr>
<tr>
<td><strong>PLUS</strong></td>
<td>5%</td>
<td>8%</td>
<td>12%</td>
</tr>
</tbody>
</table>

**Max Savings**

- 3%
- 12%
- 18%

**LUMIVIA™ CPL INSECTICIDE SEED TREATMENT BONUS**

- SAVE 30% on Lumivia™ CPL matching acres with 2 of the following product categories: pre-seed, grass, broadleaf and/or cross spectrum. See reverse for eligible brands (min. 300 acres).

**Eligible program period:**

- September 01, 2021 – August 31, 2022
Hybrids and varieties with the Ready® and Roundup ® are registered trademarks. Labeled Roundup herbicide should only be used according to the herbicide label. Labeled herbicides should only be used in accordance with the Product Use Guide (PUG) or the digit following the decimal showing operation and local conditions.

AMT - Optimum® Ameza® insect protection system with YGBS, HY, RR, LL, HX1, AMT. Contains the Agrisure® RW trait, the Bt trait, and the Herculex® I trait in EPA-designated cotton-growing counties, a 20% separate corn refuge must be planted with Optimum Ameza® Xtreme products. AMX - Optimum® Ameza® Xtreme - Contains a single-integrated refuge solution for above- and below-ground insect resistance. GWRS - Optimum® Ameza® insect protection system with YGBS, HY, RR, LL, HX1, AMT. Contains the Agrisure® RW trait, the Bt trait, and the Herculex® I trait in EDA-designated cotton-growing counties, a 20% separate corn refuge must be planted with Optimum Ameza® Xtreme products. AML - Optimum® Ameza Lepta® products with the Amla® insect protection system for integrated refuge solution for above-ground insect resistance. AML is not compatible with EDA-designated cotton-growing counties, a 20% separate corn refuge must be planted with Optimum Ameza Lepta® products. AVL - Optimum® Ameza® - Leptra® - Insect protection system with Amla® treatment for resistance to corn rootworm. AML - Optimum® Ameza® Lepta® products with the Amla® insect protection system for integrated refuge solution for above-ground insect resistance. AML is not compatible with EDA-designated cotton-growing counties, a 20% separate corn refuge must be planted with Optimum Ameza Lepta® products. AVL, YGbC,H, Hx,RLL,R, Optimum® Leptra® - Insect protection system with Amla® treatment for resistance to corn rootworm. AML - Optimum® Ameza® - Leptra® - Insect protection system with Amla® treatment for resistance to corn rootworm. HX - Herculex® XTREME contains the Herculex® I (2005) gene, the LibertyLink® gene and the GAL7 gene. HX - Herculex® - The insect protection system with Amla® treatment for resistance to corn rootworm. HX - Herculex® XTREME - The insect protection system with Amla® treatment for resistance to corn rootworm. YGBC, HY, RR, LL - Optimum® LibertyLink® gene, the LibertyLink® gene and the GAL7 gene. YGBS, HY, RR, LL - Optimum® LibertyLink® gene, the LibertyLink® gene and the GAL7 gene. YGC, HY, RR, LL - Optimum® LibertyLink® gene, the LibertyLink® gene and the GAL7 gene. YGbC, HY, RR, LL - Optimum® LibertyLink® gene, the LibertyLink® gene and the GAL7 gene.
SOYBEAN FOOTNOTES CONTINUED...

Enlist E3® soybeans contain the Enlist E3 trait that provides for use of flufosinate and 2,4-D herbicides targeting Coleo-D® technology when applied according to label directions. Following the ban, the only 2,6-D containing herbicide products that may be used with Enlist™ crops are products that feature Coleo-D technology and are expressly labelled for use in conjunction with Enlist™ soybeans and certain other crops. The Coleo-D technology is not authorized for use in conjunction with Enlist™ or Enlist E3 soybeans.

WARNING: Enlist E3 soybeans are tolerant of over-the-top applications of glufosinate, glufosinate and 2,6-D herbicides targeting Coleo-D® technology. Enlist E3 soybeans do not contain Coleo-D technology and are not authorized for use in conjunction with Enlist™ soybeans.

Enlist™ soybeans are tolerant of over-the-top applications of glufosinate, glufosinate and 2,6-D herbicides targeting Coleo-D® technology. Enlist™ soybeans do not contain Coleo-D technology and are not authorized for use in conjunction with Enlist™ soybeans.

References...