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
Win every year. Reliable performance.

You need to win every year. Our genetic predictions, along with testing in multiple locations, means reliable performance year over year.

### Above Ground Insect Protection

<table>
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<th>Heat Units</th>
<th>Conventional</th>
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<td>3100-3400</td>
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### Above & Below Ground Insect Protection

- P7211
- P7407
- P7527
- P7574
- P7861
- P7844
- P7955
- P8234
- P8294
- P8352
- P8407
- P8537
- P8820
- P8859
- P9088
- P9233
- P9301
- P9404
- P9492
- P9535
- P9608
- P9815
- P9998
- P0035
- P0045
- P0075
- P0157
- P0306
- P0404
- P0475
- P0720
- P0806
- P1097

For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 48.
Pioneer® Brand Grain Corn Products

**P8294AM™**
- **2400 HEAT UNITS**
- Improved test weight for maturity
- Excellent stalk and root strength
- Very good grain dry down
- Good drought tolerance

**P7955AM™**
- **2300 HEAT UNITS**
- Early product with good grain quality
- Excellent agronomics
- Very good test weight
- Excellent root and stalk strength

**P7211AM™**
- **2050 HEAT UNITS**
- Proven performer
- Shorter plant with high yield potential
- Very good test weight and grain quality
- Above average stalk strength

**P7574AM™**
- **2150 HEAT UNITS**
- High yield potential for maturity
- Above average test weight
- Good early season emergence
- Average root and stalk strength

**P7861AM™**
- **2250 HEAT UNITS**
- Early product with strong agronomics
- Very good stalk strength
- Above average root strength
- Excellent drought tolerance

**P8234AM™**
- **2400 HEAT UNITS**
- Above average agronomics
- Excellent stalk and root strength
- Very good grain dry down
- Good drought tolerance

**P7521AM™**
- **2125 HEAT UNITS**
- Early product with good agronomics
- Above average stalk strength
- Excellent dual-purpose hybrid
- Tall plant

**P8034**
- **Conventional 2325 HEAT UNITS**
- Improved test weight for maturity
- Above average stalk strength
- Excellent dual-purpose hybrid
- Tall plant

**P7005AM™**
- **2000 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 70 74 77 3 7 5 4 6 7 9 3 6 4 4 3 HP

**P7211AM™**
- **2050 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 72 70 74 6 5 4 3 7 6 7 3 4 4 5 5 MP

**P7455R**
- **2100 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 74 74 75 8 8 5 4 6 5 7 3 4 7 5 MP

**P7417AM™**
- **2125 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 74 76 77 5 5 4 5 6 4 5 3 5 5 5 6 LP

**P7417R**
- **2125 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 74 76 77 5 5 4 5 6 4 5 3 5 5 5 6 LP

**P7574AM™**
- **2150 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 75 77 5 5 6 6 4 5 6 5 6 5 6 4 HP

**P7527AM™**
- **2225 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 78 78 78 7 6 4 5 7 3 5 6 6 5 6 LP

**P7527R**
- **2225 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 78 78 78 7 6 4 5 7 3 5 6 6 5 6 LP

**P7527**
- **2225 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 78 78 78 7 6 4 5 7 3 5 6 6 5 6 LP

**P7955AM™**
- **2300 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 79 74 75 8 8 5 4 6 5 3 4 4 7 5 MP

**P8034R**
- **2325 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 80 82 85 8 8 4 5 6 7 5 4 4 4 4 7 LP

**P8034LR**
- **2325 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 80 82 85 8 8 4 5 6 7 5 4 4 4 4 7 LP

**P8234**
- **2400 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 82 85 8 8 4 5 6 7 5 4 4 4 4 7 LP

**P8294AM™**
- **2400 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 82 82 85 8 8 4 5 6 7 5 4 4 4 4 7 LP

**P8294**
- **2400 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 82 82 85 8 8 4 5 6 7 5 4 4 4 4 7 LP

**P8234AM™**
- **2400 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 82 85 8 8 4 5 6 7 5 4 4 4 4 7 LP

**P8234LR**
- **2400 HEAT UNITS**
- Market Segment: Grain Marketing
- Technology Segment: Heat Units
- CRM: 82 85 8 8 4 5 6 7 5 4 4 4 4 7 LP

NOTES

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All Pioneer® brand corn products are available with Lumivia™ insecticide seed treatment which offers excellent protection against key early season corn pests. Lumivia™ is not considered a Class E pesticide under Ontario Regulation 131/09 of the Pesticides Act. Select Pioneer® brand corn products are available treated with high-rate seed treatment (Poncho® 1250 + VOTiVO™ / clothianidin) which are Class E pesticides. For more information, talk with your Pioneer sales representative.

Pioneer® brand corn products are developed with the very latest in advanced breeding and research technologies. Our products come from the largest corn breeding effort in Canada, with local research centres in Tavistock, Ontario and Coteau-du-Lac, Quebec.
**Featured Pioneer® Brand Grain Corn Products**

- **P8407AM™**
  - **2,450 HEAT UNITS**
  - High yield potential with excellent agronomics
  - Excellent disease resistance
  - Proven agronomics for wide variety of acres
  - Very good Northern Leaf Blight tolerance

- **P8537AM™**
  - **2,550 HEAT UNITS**
  - Solid performer
  - Tall plant
  - Significant drought tolerance
  - Above average tolerance to Northern Leaf Blight

- **P8736AM™**
  - **2,575 HEAT UNITS**
  - Leader platform for maturity
  - Excellent stability
  - Proven agronomics for wide variety of acres
  - Very good Northern Leaf Blight tolerance

- **P8820AM™**
  - **2,600 HEAT UNITS**
  - Leader platform for maturity
  - Excellent stability
  - Proven agronomics for wide variety of acres
  - Very good Northern Leaf Blight tolerance

- **P9188AM™**
  - **2,650 HEAT UNITS**
  - Leader platform for maturity
  - Excellent stability
  - Proven agronomics for wide variety of acres
  - Very good Northern Leaf Blight tolerance

**NOTES**

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

▲ These products are approved for cultivation in Canada and grain from these products has received approval in several importing countries. Single events from these products are approved for import into the European Union (EU), however stacked events are not approved. For more information see page 48, footnote 3.

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**UNMATCHED EXPERTISE**

Your Pioneer sales representative, backed by a team of local agronomists, is ready to help you select the right products and push the boundaries to bring your operations to the next level.
### Featured Pioneer® Brand Grain Corn Products

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<th>P9233AM™</th>
<th>P9301AM™</th>
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<tr>
<td>2725 HEAT UNITS</td>
<td>2750 HEAT UNITS</td>
<td>2825 HEAT UNITS</td>
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<tr>
<td>Great yield for maturity</td>
<td>Yield potential plus agronomics</td>
<td>Competitive product for maturity</td>
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<tr>
<td>• Balanced agronomics for a variety of environments</td>
<td>• Good foliar disease package</td>
<td>• Strong root and stalk strength</td>
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<td>• Earlier silking for maturity</td>
<td>• Good stability</td>
<td>• Very good agronomics</td>
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<td>• Good stability in drought situations</td>
<td>• Strong test weight</td>
<td>• High drought tolerance</td>
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### RATINGs

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### NOTES

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- **OUTSTANDING**
- **POOR**
- **INSUFFICIENT DATA**
- **NEW**

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### Corn Herbicides

Corn herbicides from Corteva Agriscience fit the way you grow corn so you can spend less time worrying about unwanted, yield-robbing weeds. Our corn herbicides offer dependability and application flexibility to deal with the unexpected.
3000 HEAT UNITS
Exciting product with solid agronomics
• Excellent drought tolerance
• Strong root strength
• Above average emergence under stress

P0075AM™
3050 HEAT UNITS
Leader platform for maturity
• Great yield to moisture performance
• Sound root strength
• Stable performance across a wide geography

P0157AMXT™
3100 HEAT UNITS
Great yield to moisture performance
• Solid agronomics
• Exceptional root strength
• Above average test weight

P0306Q™

2950 HEAT UNITS
Optimum® AcreMax® Leptra™ insect protection
• Built-in protection from western bean cutworm
• Solid agronomics
• Above average grain quality and test weight

P9946AML™
2950 HEAT UNITS
Leader product for maturity
• Great yield to moisture performance
• Sound root strength
• Stable performance across a wide geography

P9998AM™
2950 HEAT UNITS
Optimum® AcreMax® Leptra™ insect protection
• Built-in protection from western bean cutworm
• Solid agronomics
• Above average grain quality and test weight

P9996AML™

2900 HEAT UNITS
Optimum® AcreMax® Leptra™ insect protection
• Built-in protection from western bean cutworm
• Solid agronomics
• Above average grain quality and test weight

P9998AM™

3000 HEAT UNITS
New product with Optimum® AQUAmax® trait
• Delivers increased yield potential
• Excellent drought tolerance with Optimum® AQUAmax® trait
• Above average agronomics

P0035AM™

2975 HEAT UNITS
Optimum® AcreMax® Leptra™ insect protection
• Built-in protection from western bean cutworm
• Solid agronomics
• Above average grain quality and test weight

P9946AML™

2975 HEAT UNITS
Optimum® AcreMax® Leptra™ insect protection
• Built-in protection from western bean cutworm
• Solid agronomics
• Above average grain quality and test weight

P9996AML™

Pioneer® Brand Product
Market Segment
Technology Segment
Grain Marketing
Heat Units
CRM
Silk CRM
Physiological CRM
Stalk Strength
Root Strength
Stress Emergence
Staygreen
Drought Tolerance
Grain Drydown
Test Weight
Plant Height
Husk Cover
Ear Height
Mid-Season Brittle Stalk
Northern Leaf Blight (NLB)
Foliar Fungicide Response (NLB)
Gibberella Ear Rot
Anthracnose Stalk Rot

RATINGS

P9946
Conventional 3000 99 97 103 6 7 5 5 7 5 4 5 6 6 6 6 LP 6 4
P9946AML™ 2950 99 97 103 6 7 5 5 7 5 4 5 6 6 6 6 LP 6 4
P9998
AQ Conventional 2900 99 99 98 6 6 4 4 9 3 6 4 4 4 5 5 MP 4 4 5
P9998AM™ 2900 99 99 98 6 6 4 4 9 3 6 4 4 4 5 5 MP 4 4 5
P9998a™ AQ 3000 99 99 98 6 6 4 4 9 3 6 4 4 4 5 5 MP 4 4 5
P0035AM™ AQ 3000 100 98 5 6 5 8 9 8 5 5 5 3 5 MP 5 4
P0035a™ AQ 2975 100 98 5 6 5 8 9 8 5 5 5 3 5 MP 5 4
P0075 Conventional 2975 100 103 104 6 6 5 8 5 5 5 5 6 6 LP 5 5 4
P0075AML™ 3000 100 103 104 6 6 5 8 5 5 5 5 6 6 LP 5 5 4
P0075a™ AQ 3000 100 103 104 6 6 5 8 5 5 5 5 6 6 LP 5 5 4
P0157 AQ Conventional 3000 101 102 102 5 7 5 4 9 5 6 4 7 4 5 5 MP 4 4 4
P0157AM™ AQ 3000 101 102 102 5 7 5 4 9 5 6 4 7 4 5 5 MP 4 4 4
P0157AMXT™ AQ 3050 101 102 102 5 7 5 4 9 5 6 4 7 4 5 5 MP 4 4 4
P0306AM™ AQ 3100 103 101 104 6 8 5 6 9 5 6 3 6 4 4 5 MP 4 4 4
P0306a™ AQ 3100 103 101 104 6 8 5 6 9 5 6 3 6 4 4 5 MP 4 4 4

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

### Features of the Grain Corn Products

- **New AcreMax® product with high yield potential**
  - Above average stalks and roots
  - Exceptional drought tolerance
  - Very competitive test weight

- **Qrome® product with high yield potential**
  - Exceptional drought tolerance via Optimum™ AQUAmax® trait
  - Strong stalks and roots
  - Above average tolerance to Northern leaf blight

- **AcreMax® product with high yield potential**
  - Above average stalks and roots
  - Exceptional drought tolerance
  - Very competitive test weight

- **Full-season product with good agronomics**
  - Offers diversity for full season maturity
  - Excellent root strength
  - Excellent drought tolerance

- **Conventional product with high yield potential**
  - Very good plant health
  - Defensive product with stable yields across soil types
  - Outstanding drought tolerance

### Delegate Offers:

- **Rapid Knockdown and Long Lasting Control of Western Bean Cutworm and European Corn Borer in Corn.**
  - Fast and effective control of Western Bean Cutworm and European Corn Borer by either contact or ingestion
  - Important Integrated Pest Management tool with its unique Group 5 mode of action
  - Low use rates
  - Translaminar activity provides extra protection against insects that feed from the underside of leaves
  - Long-lasting residual control
  - Favourable environmental profile with minimal effects on beneficials

### Notes:

- These products are approved for cultivation in Canada and grain from these products has received approval in several importing countries. Single events from these products are approved for import into the European Union (EU), however stacked events are not approved. For more information see page 48, footnote 3.
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Pioneer® brand Qrome® corn products deliver proven insect protection and agronomic performance to help unlock yield potential.

Our next generation of seed corn products are here. Pioneer® brand Qrome® products feature proprietary technology compatible with a broad range of our elite germplasm, giving growers more high-performance product options. Qrome products provide proven above-and-below-ground insect protection from pests like European corn borer and corn rootworm. Combined with industry leading seed treatments on high yielding products, Qrome is designed to help you get more out of each acre.

Advanced above and below ground trait technology

Proprietary molecular stack technology in Qrome products offers improved integration across a broad range of Corteva Agriscience germplasm. Along with a more efficient breeding process, this means more high-performance above and below ground insect control product options.

Enhanced Yield Result

In extensive research testing across a broad range of Corteva’s genetic platforms, Qrome delivered a significant yield improvement. In 2018 and 2019 on-farm trials, Qrome products averaged an 11.7 bu/ac¹ advantage over all competitive products tested.

Trusted performance and protection

Qrome products include a unique molecular stack of proven Bt proteins from the Herculex® I and Herculex® RW traits, providing enhanced overall agronomic performance. Along with Corteva’s most advanced technology for above-and-below-ground insect protection, Qrome products deliver outstanding control with two modes of action against corn rootworm.

11.7 BU/AC¹

AVERAGE ADVANTAGE
over all competitive products tested during 2018 and 2019 on-farm trials.

Talk to your local Pioneer sales representative to learn more about Qrome products or visit: pioneer.com/Canada

Look for a Pioneer® brand Qrome field near you.

¹ 2018 and 2019 Qrome® product performance data is based on the average of 489 locations in the United States and Canada through Nov. 13, 2019 for applicable products with Canadian maturity. Comparisons are against all competitors within a +/- 3 CRM with a minimum of 5 comparisons. Product responses are variable and subject to any number of environmental, disease and pest pressures. Individual results may vary. Multi-year and multi-location data are a better predictors of future performance. DO NOT USE THIS OR ANY OTHER DATA FROM A LIMITED NUMBER OF TRIALS AS A SIGNIFICANT FACTOR IN PRODUCT SELECTION.
**NEW**

- Outstanding protection against key early season corn pests
- Provides seedling protection to develop uniform and healthy stands that maximize yield potential
- Simplifies your seed treatment decision by delivering the control of key pests
- Offers a favourable environmental profile

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

Key benefits
- Outstanding protection against key early season corn pests
- Provides seedling protection to develop uniform and healthy stands that maximize yield potential
- Simplifies your seed treatment decision by delivering the control of key pests
- Offers a favourable environmental profile

**Protection Against Key Early Season Insect Pests**

* Suppression only

**Lumivia™ Efficacy Comparison on Key Corn Pests**

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<tr>
<th>Insect Pests</th>
<th>Lumivia™ 500</th>
<th>Cruiser® / Poncho 250®</th>
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**LumiGEN® Seed Treatments: Built for Your Success with our Genetics**

- A mark of assurance in seed treatments.
  - You choose a seed treatment package to help assure a successful season. In turn, you should feel assured that those seed treatments perform as expected, and work well with the genetics you’re planting.
  - LumiGEN seed treatments are exclusive to the seeds brands of Corteva Agriscience, and represents the value of the seed applied technologies available on Pioneer® brand genetics.

**Get the story on our LumiGEN products:**

- DESIGNED for our genetics
- VERIFIED on our genetics
- PROVEN in the field with our genetics

*For complete definitions and disclaimers related to product descriptions, characteristic ratings and disease ratings, and all other information contained herein, see pages 48 & 49*
Innovation at Corteva Agriscience

OUR PURPOSE:
To enrich the lives of those who produce and those who consume, ensuring progress for generations to come.

For us, growth is more than just a mindset.

Our R&D organization strives to be the best at designing, discovering and developing innovations that create value for farmers and deliver consumer benefits in planet-friendly ways.

Key Sources of Differentiation

**Germplasm**
Developed through 90–plus years of expertise, our germplasm library is unparalleled in its breadth and depth and is focused squarely on helping farmers improve their performance and profitability.

**Targeted Breeding**
Targeted breeding tools such as CRISPR enable us to explore the development of improved crops in years instead of decades, both in our labs and by licensing our industry-leading intellectual property to other innovators.

**Digital Tools**
We combine the latest advances in technologies, artificial intelligence, data analytics and agronomic insights to give farmers timely, actionable data they can use to make more informed decisions and make their operations less complex.

**Environmental Impact and Sustainability**
With more Green Chemistry Awards than any other company, we’re building on our industry leadership in natural and naturally derived products by continuing to research new ways of helping farmers conserve the land that sustains them.

**Integrated Solutions**
Our industry-leading capabilities across seeds, crop protection and digital tools enable us to provide solutions that together create more value for farmers than any solution could on its own.

**QUICK FACTS**
Our open and agile agriculture research organization brings together worldwide resources:
- 2,000 scientists and researchers
- 3 innovation hubs
  - Johnston, Iowa
  - Indianapolis, Indiana
- 150+ multi-platform R&D facilities in 32 countries
- 100+ crops

**INDUSTRY LEADING CAPABILITIES**

**Seed**
- Genomics and breeding systems
- Biotech
- Advanced phenotyping

**Crop Protection**
- Chemistry discovery
- Formulation and process chemistry
- Natural products

**Digital Tools**
- Data analytics
- Predictive agriculture tools
- Farm management software

**CLEAR INNOVATION PRINCIPLES**
- Market driven
- Disciplined and accountable
- Built to differentiate
- Global yet local
- Focused on productivity

**Defend all around. Best defensive trait packages.**

Delivering the highest yield potential, best defensive package and most herbicide-tolerant trait options to your farm with Pioneer® brand soybeans.
Symbol indicates above average resistance to: Soybean Cyst Nematode

All Pioneer® brand soybean products are available with Cyantraniliprole insecticide seed treatment which offers excellent protection against key early season pests. Seed treated with this insecticide seed treatment is not considered a Class E pesticide under the Ontario Regulation 63/09 of the Pesticides Act. For more information, talk with your Pioneer sales representative.

### Featured Pioneer® Brand Soybean Products

#### P03A11X™
- **2600 HEAT UNITS**
- New performance level for maturity
- Excellent early season emergence
- Exceptional white mould tolerance

#### P05A35X™
- **2675 HEAT UNITS**
- Solid variety with good agronomics
- Average white mould tolerance
- Exceptional harvest standability and anti-shattering

#### P06A48X™
- **2675 HEAT UNITS**
- Excellent yield potential brings new level of performance
- Strong field emergence
- Excellent harvest standability

#### P07A18X™
- **2700 HEAT UNITS**
- Strong early season emergence
- Moderate plant height with above average canopy width
- Moderate white mould tolerance

#### P09A62X™
- **2750 HEAT UNITS**
- Exciting yield potential
- Very consistent performance
- Above average white mould tolerance

#### P12T94E™
- **2825 HEAT UNITS**
- Strong early season emergence
- Respectable white mould tolerance
- Solid harvest standability

### Soybean Herbicides
Soybean herbicides from Corteva Agriscience deliver the powerful control needed to ease your weed anxieties, help you be a better steward of the land and improve your operation. Explore how our solutions can help you manage your fields for better productivity and yield opportunity.

### TAKE CONTROL OF YOUR FIELDS
**Featured Pioneer® Brand Soybean Products**

- **P13A89X™**
  - 2850 Heat Units
  - Very good early season emergence
  - Peking source of SCN resistance
  - Strong harvest standability
  - Heat Units: 2650-3250

- **P15A63X™**
  - 2925 Heat Units
  - Strong SDS tolerance
  - Moderate canopy width
  - Solid harvest standability
  - Heat Units: 2600-3200

- **P16A84X™**
  - 2925 Heat Units
  - High emergence
  - Very good canopy width
  - Peking source of SCN resistance
  - Heat Units: 2250-2850

- **P16T71E™**
  - 2925 Heat Units
  - High emergence
  - Very good canopy width
  - Peking source of SCN resistance
  - Heat Units: 2250-2850

- **P19T39R2™**
  - 3000 Heat Units
  - Enlist E3™ variety
  - New performance level for maturity
  - Above average SDS tolerance
  - Dependable harvest standability
  - Heat Units: 2250-2850

- **P20A22x™**
  - 3025 Heat Units
  - Exciting yield potential at maturity
  - Above average white mould tolerance
  - Exceptional emergence
  - Heat Units: 2200-2800

**NOTES**

- *Pending registration*
- **For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 62.

- **OUTSTANDING**
- **POOR**
- **INSUFFICIENT DATA**

- Symbol indicates above average resistance to Soybean Cyst Nematode (SCN), All Pioneer® brand soybean products are available with Cyplantrolpyre insecticide seed treatment which offers excellent protection against key early season pests. Seed treated with this insecticide seed treatment is not considered a Class E pesticide under the Ontario Regulation 65/99 of the Pesticides Act. For more information, talk with your Pioneer sales representative.
### Featured Pioneer® Brand Soybean Products

| Pioneer® Brand Product | Herbicide Resistance | SCN Resistance Source | Heat Units | Relative Maturity | Field Emergence | Phytophthora Tolerance | White Mold | Canopy | Respectable SDS Tolerance | Stacked Phytophthora Resistance Gene | Phytophthora Field Tolerance | Sudden Death Syndrome | Yield Potential | Stability | Canopy Width | Harvest Standability | Plant Height for Maturity | % Protein (At 13% Moisture) | % Oil (At 13% Moisture) | Hila Colour | Seed Size Range | RATINGS |
|------------------------|----------------------|-----------------------|-----------|------------------|----------------|------------------------|-----------|--------|--------------------------|-----------------------------------|--------------------------|------------------------|----------------|-----------|---------------|------------------------|--------------------------|------------------------|-------------|--------------|----------|
| **P20T95™**            | PI88788              | 3025                  | 22        | 7                | 6              | 3                     | 7         | 9      | 4               | 5                     | 5               | 33.0                   | 20.9                  | IB        | 2200–2800     |
| **P23A32™**            | PI88788              | 3100                  | 23        | 7                | 1k             | 5                     | 6         | 8      | 3               | 6                     | 7               | 34.0                   | 20.4                  | BL        | 2550–3150     |
| **P24A80™**            | PI88788              | 3125                  | 24        | 7                | 1k             | 5                     | 6         | 8      | 6               | 5                     | 8               | 34.0                   | 19.8                  | BL        | 2700–3300     |
| **P24T76™**            | PI88788              | 3125                  | 24        | 7                | “c”            | 5                     | 4”       | 9      | 3               | 6                     | 7               | 34.0                   | 20.1                  | BR        | 2450–3050     |
| **P25A68™**            | Peking               | 3150                  | 25        | 7                | 1k             | 4                     | 9         | 9      | 5               | 6”                   | 7               | 33.0                   | 20.7                  | BL        | 2900–3500     |
| **P25A96L™**           | Peking               | 3150                  | 25        | 7                | 1k             | 4                     | 9         | 9      | 5               | 6                     | 8               | 4                     | 33.0                   | BR        | 2400–3000     |
| **P26A34™**            | PI88788              | 3175                  | 26        | 9                | 1k             | 3a                    | 7         | 7”    | 7               | 5                     | 7               | 34.0                   | 20.1                  | BL        | 2000–2600     |
| **P26T57™**            | PI88788              | 3175                  | 26        | 7                | 1k             | 4                     | 5”       | 7”    | 9               | 4                     | 7               | 4                     | 33.0                   | BR        | 2650–3250     |
| **P27A17™**            | Peking               | 3200                  | 27        | 6                | 1k             | 3                     | 5         | 9      | 9               | 3                     | 6               | 5                     | 33.0                   | BR        | 2650–3250     |
| **P28T14™**            | PI88788              | 3225                  | 28        | 7                | -               | 4                     | 4”       | 1”    | 9               | 4                     | 6               | 7                     | 33.0                   | IB        | 3050–3650     |
| **P29A25™**            | PI88788              | 3250                  | 29        | 7                | 1k             | 5                     | 6         | 9      | 6               | 5                     | 7               | 6                     | 34.0                   | BR        | 2350–2950     |
| **P30T99™**            | PI88788              | 3275                  | 30        | 7                | 1k             | 6                     | 5”       | 1”    | 9               | 4                     | 6               | 7                     | 34.0                   | IB        | 2300–2900     |
| **P31A22™**            | PI88788              | 3300                  | 31        | 7                | 1k             | 6                     | 8         | 9      | 4               | 5                     | 6               | 5                     | 34.0                   | BR        | 2200–2800     |
| **P31A95™**            | PI88788              | 3300                  | 31        | 7                | 1k             | 5                     | 5         | 8      | 4               | 6                     | 6               | 6                     | 33.0                   | BR        | 2200–2800     |
| **P32T26™**            | PI88788              | 3325                  | 32        | 8                | 1c             | 7                     | 5”       | 1”    | 9               | 4                     | 6               | 6                     | 34.0                   | BF        | 2250–2850     |

**NOTES**

*Pending registration.
** For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 49.

Symbol indicates above average resistance to Soybean Cyst Nematode.

All Pioneer® brand soybean products are available with Cyranotrol® insecticide seed treatment which offers excellent protection against key early season pests. Seed treated with this insecticide seed treatment is not considered a Class E pesticide under the Ontario Regulation 63/09 of the Pesticides Act. For more information, talk with your Pioneer sales representative.

### One-of-a-Kind Protection

Acapela protects against white mould, Asian soybean rust, frogeye leafspot and septoria brown spot in soybeans.

### Unique Movement Properties

Acapela is a broad-spectrum fungicide that quickly and efficiently surrounds, penetrates and protects the leaf and stem.

### Exceptional Performance

Acapela provides outstanding disease management for healthier crops and higher yield potential.

**Acapela™ is a Group 11 Fungicide that Manages White Mould in Soybeans.**

**Fungicide**

**Acapela™** is a Group 11 fungicide that manages white mould in soybeans.
Enlist™ and Enlist™ 1 are powerful tools as part of the Enlist™ Weed Control System

- Colex-D technology helps ensure that Enlist herbicides land and stay on target.
- Wide window of application from pre-plant burndowns up to the R2 stage (full flower).
- Designed to be used with complimentary herbicides as part of a Program Approach to manage a wide range of hard-to-control and resistant weeds like:
  - Canada fleabane
  - Common Lamb's-quarters
  - Common ragweed
  - Eastern Black Nightshade
  - Giant ragweed
  - Pigweed species
  - Velvetleaf
  - Waterhemp

**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.

**FREE TLE AND CHOICE.**

Enlist E3 soybeans are tolerant to 2,4-D, glyphosate and glufosinate herbicides, which are part of a strong resistance management strategy.

**WHAT GOES INTO IT**

- 2,4-D choline with Colex-D Technology
- Latest formulation science
- Proprietary manufacturing process

**WHAT IT DELIVERS**

- Near zero volatility
- Minimal potential for drift
- Low odor
- Improved handling characteristics

**Program approach**

- Enlist Duo™ and Enlist™ 1 are designed to be used with complimentary herbicides as part of a Program Approach to manage a wide range of hard-to-control and resistant weeds.
- **Enlist Duo™ and Enlist™ 1** are powerful tools as part of the Enlist™ Weed Control System.
- **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.
- **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.
- **Design**
- **Science**
- **Improvement**
- **Enlist Canada.ca
**Lumisena™ + Lumiderm™: The Perfect Combo for Soybean Protection**

**Lumiderm™ INSECTICIDE SEED TREATMENT**

**Key Benefits**
- Broad spectrum protection from early season insect pests including bean leaf beetle and soybean aphid
- Excellent seedling protection delivers uniform, healthy stands to maximize yield potential
- A new mode of action with a favourable environmental profile
- Simplifies your seed treatment decision

**Protection against early season insects**
- Lumiderm contains a unique Group 28 insecticide
- Provides soybean seedlings with extended protection against bean leaf beetle and soybean aphids

**Lumisena™ FUNGICIDE SEED TREATMENT**

**Key Benefits**
- Most advanced seed-applied technology to protect against phytophthora
- Enhances emergence and vigour to maximize yield potential
- Improves soybean plant stands
- New class of chemistry for improved above and below ground disease control

**Protection against phytophthora**
- Phytophthora is the #1 disease in soybeans that can significantly reduce yields
- Lumisena® fungicide seed treatment offers an entirely new mode of action to provide the best protection against phytophthora
- Seed treatment research has demonstrated that Lumisena® will provide greater protection against phytophthora than existing seed treatments

**Visit us at**
SoybeanProtection.corteva.ca

**Lumiderm™ and Lumisena™ Strip Trial**
Kelburn Farm, MB

**Demo Strip Trials Data (Average of 8 locations, 2 Reps/location)**

**Herbicide Management Guide**

**NOTES**
- **New**
- Requires careful management
- Requires tolerance
- Insufficient data

**Herbicide Sensitivity Rating**

<table>
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<tr>
<th>Herbicide</th>
<th>Relative Maturity</th>
<th>Resistance Rating</th>
<th>Sensitivity Rating</th>
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**CANOLASILAGE CORN**

**Soybeans**

**Herbicide Sensitivity Rating**

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When it comes to forages, Pioneer has an unrivaled ability to provide livestock producers with the best products, people and solutions through every stage of silage production. The Silage Zone® resource combines proven products, unmatched support and forage management solutions to help deliver the highest quality forages for your livestock operation.
Introducing Pioneer® brand BMR products

If higher milk production is what you’re after, there’s no comparison. Pioneer® brand BMR corn silage offers outstanding fibre digestibility, which leads to higher feed consumption among high producing cows. It’s high-quality for better cow performance.

Higher Digestibility for Peak Performance
• BMR hybrids have less lignin content and average 7-percentage points higher 24 hour fibre digestibility than competitor’s non-BMR corn silage.
• When fed to high producing dairy cows, BMR corn silage can increase dry matter intake which may result in great milk production.

Better Overall Health & Milk Production
• Feeding high quality, high forage diets can help improve the overall health of a dairy herd.
• University of Wisconsin-Madison studies* show that using BMR versus standard corn silage can increase milk production by 1.5 kgs per day.
• BMR hybrids have lower levels of undigested fibre (uNDF) than standard corn silage hybrids – a critical attribute for improving forage intake and dairy cow performance.

Improved Forage Yield Potential
• Recent genetic advancements and new BMR hybrid offerings have improved forage yield potential, while enhancing drought tolerance, disease resistance, and standability for more reliable forage production.
• To capture the improved yield and quality potential, plan to manage BMR hybrids using the very best planting and agronomic practices available.

Our team of forage experts are available for on-farm support all season. To learn more about the best BMR options for your operation contact your local Pioneer sales representative or visit pioneer.com/Canada/SilageZone

- Top Feed. High-quality with high yield potential.

For top performance, you need high-quality, high-yielding silage. With unrivaled selection and proven genetics, our silage products outperform to match your needs and maximize your production.

<table>
<thead>
<tr>
<th>Pioneer® brand BMR hybrids</th>
<th>2500–2800 Heat Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>P9482SXE™</td>
<td>2500–2800 Heat Units</td>
</tr>
<tr>
<td>P9648SX™</td>
<td>2500–2800 Heat Units</td>
</tr>
<tr>
<td>P0256AMXT™</td>
<td>2800–3100 Heat Units</td>
</tr>
<tr>
<td>P0677AMX™</td>
<td>2800–3100 Heat Units</td>
</tr>
</tbody>
</table>

*Comparing fibre digestibility (NDFD–30hr) of BMR hybrids and standard corn silage hybrids in university corn silage hybrid comparison trials in WI, PA, NY (31 site-years).

1.5 KILOGRAMS OF MILK PER DAY
## Featured Pioneer® Brand Silage Corn Products

### P7527AM™
- **2000-2300 HEAT UNITS**
- Excellent early maturity silage option
  - Exceptional silage yield potential
  - Outstanding starch and sugar percentage
  - Impressive fibre digestibility

### P8294AM™
- **2300-2600 HEAT UNITS**
- New product with good silage yield potential
  - Excellent dual-purpose product
  - Outstanding milk per acre
  - Tall plant

### P9377AMXT™
- **2500-2800 HEAT UNITS**
- New early maturity BMR product
  - Brings higher fibre digestibility
  - Excellent stalk strength
  - Requires 5% block refuge

### P9482SXE™
- **2500-2800 HEAT UNITS**
- New early maturity BMR product
  - Higher whole plant digestibility
  - Floury starch with above average starch and sugar percentage
  - Requires 5% block refuge

### P9648SX™
- **2500-2800 HEAT UNITS**
- New early maturity BMR product
  - Higher whole plant digestibility
  - Floury starch with above average starch and sugar percentage
  - Requires 5% block refuge

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### NOTES

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

*These products are approved for cultivation in Canada and grain from these products has received approval in several importing countries. Single events from these products are approved for import into the European Union (EU); however stacked events are not approved. For more information see page 48, footnote 3.

All Pioneer® brand corn products are available with Lumivox® insecticide seed treatment which offers excellent protection against key early season pests. Lumivox® is not considered a Class E pesticide under Ontario Regulation 65/09 of the Pesticides Act. Select Pioneer® brand corn products are available treated with high-rate seed treatment (Poncho® 1250 + VOTiVO™ / clothianidin) which are Class E pesticides. For more information, talk with your Pioneer sales representative.

### PROOF IN THE FEED BUNK

High-quality Pioneer® brand corn silage products deliver optimal tonnage and starch performance season after season. Farmers are seeing consistent performance using our superior corn silage products, coupled with the best management practices and local experts.
New AcreMax Xtreme® BMR for corn-on-corn acres
• Exceptional fibre digestibility
• Above average silage yield potential
• Medium plant height

P0256AMXT™

2700–3100 HEAT UNITS
Silage-specific product with excellent quality
• Exceptional fibre digestibility and starch content
• Very good forage quality
• Superb milk/beef per ton

P0306Q™

2800–3100 HEAT UNITS
Proven BMR product
• Strong agronomics with the BMR gene
• Excellent digestibility
• Excellent milk per ton

P0677AMX™

3100–3400 HEAT UNITS
Excellent dual-purpose product
• Exceptional drought tolerance with AQUAmax® trait
• Outstanding milk per ton
• Impressive starch and sugar percentage

P0242AMXT™

2700–3000 HEAT UNITS
New Grome™ product for corn-on-corn acres
• Excellent silage yield potential
• Outstanding milk per acre
• Leading fibre digestibility

P0789AMXT™

SILAGE CORN

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

These products are approved for cultivation in Canada and grain from these products has received approval in several importing countries. Single events from these products are approved for import into the European Union (EU), however stacked events are not approved. For more information see page 48, footnote 2.

All Pioneer® brand corn products are available with Lumivia® insecticide seed treatment which offers excellent protection against key early season corn pests. Lumivia® is not considered a Class E pesticide under Ontario Regulation 65/09 of the Pesticides Act. Select Pioneer® brand corn products are available treated with high-rate seed treatment (Ronstar®1250 + VOTIVO™ / clothianidin) which are Class E pesticides. For more information, talk with your Pioneer sales representative.
**You need high-quality. Every cut.**

Alfalfa is no longer a one-size-fits-all crop. Pioneer® brand alfalfa is built with unrivaled agronomic packages to stand up against yield limiting pests and winter stress, the mix of traits delivers excellent forage yield and quality for your operation.

<table>
<thead>
<tr>
<th>Pioneer® Brand/Product</th>
<th>Forage Yield</th>
<th>Relative Forage Quality</th>
<th>Milk Yield per Acre</th>
<th>Fall Dormancy</th>
<th>Winterhardness Index</th>
<th>Disease Resistance Key</th>
<th>Resistance or Lodging Resistance</th>
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<tbody>
<tr>
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<td>9 9 9 9 9 9 9 7 8</td>
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</tr>
</tbody>
</table>

**NOTES**

All Pioneer products are varieties unless designated with brand, in which case it is comprised of more than one Pioneer® brand variety. Varieties with HarvXtra® technology will have significantly higher RFQ values than any other variety due to the reduced lignin content.

For complete definitions and disclaimers related to product descriptions, characterisitics ratings and disease ratings, and all other information contained herein, see page 50.
**SILA-BAC® BRAND**

**NUTRIVAIL® FEED TECHNOLOGY**

**CORN FIBRE TECHNOLOGY**

**11CFT**

- Multi-strain with L. buchneri

**REGISTERED PRODUCT CLAIMS**
- Improved dry matter intake
- Improved neutral detergent fibre digestibility
- Improved gain/tonnes of silage fed
- Improved feed efficiency
- Reduced heating at feeding
- Reduced dry matter loss at feeding

**RATINGS**

- **** ** ***

**GRASS FIBRE TECHNOLOGY**

**11GFT**

- Multi-strain with L. buchneri

**REGISTERED PRODUCT CLAIMS**
- Improves acid detergent fibre (ADF) digestibility
- Improves neutral detergent fibre (NDF) digestibility

**RATINGS**

- **** ** ***

**ALFAFA FIBRE TECHNOLOGY**

**11AFT**

- Multi-strain with L. buchneri

**REGISTERED PRODUCT CLAIMS**
- Improves acid detergent fibre (ADF)
- Improves neutral detergent fibre (NDF)
- Improves crude protein digestibility of alfalfa silage ensiled at 35%-45% dry matter

**RATINGS**

- **** ** ***

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**SILA-BAC® BRAND INOCULANTS**

**CORN SILAGE**

**11C33**

- Multi-strain with fast acting L. buchneri

**REGISTERED PRODUCT CLAIMS**
- Improves corn silage nutritional value by rapidly lowering pH to conserve sugar and starch. Significantly improves bunker life as a result of the inclusion of a proprietary fast acting L. buchneri strain. Provides improved bunker life and stable feed in 7 days.
- Reduces heating at feeding
- Reduces dry matter loss at feeding
- Reduces dry matter loss during ensiling

**RATINGS**

- ** ** **

**HIGH-MOISTURE CORN**

**1189**

- Multi-strain with fast acting L. buchneri

**REGISTERED PRODUCT CLAIMS**
- Combined the benefits of 1189 with significantly improved bunker life as a result of the inclusion of a proprietary fast acting L. buchneri strain. Provides improved bunker life and stable feed in 7 days.
- Reduces dry matter loss in ensiling
- Reduces dry matter loss at feeding
- Reduces heating at feeding
- Improved feed efficiency of growing-finishing beef cattle when used as directed on high moisture ear corn harvested between 30%-40% moisture

**RATINGS**

- *** **

**GRASS / CEREAL**

**11G22**

- Multi-strain with fast acting L. buchneri

**REGISTERED PRODUCT CLAIMS**
- Improves grass and cereal silage nutritional value by rapidly lowering pH to conserve sugar and starch. Significantly improves bunker life as a result of the inclusion of a proprietary fast acting L. buchneri strain. Provides improved bunker life and stable feed in 7 days.
- Reduces heating at feeding
- Reduces dry matter loss at feeding
- Reduces dry matter loss during ensiling

**RATINGS**

- ** ** **

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**ALFAFA SILAGE**

**11H50**

- Improves alfalfa silage nutritional value by rapidly lowering pH to conserve sugars. Significantly reduces protein degradation in alfalfa silages.

**REGISTERED PRODUCT CLAIMS**
- Improved dry matter digestibility

**RATINGS**

- ** ** **

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**NOTES**

For complete definitions and disclaimers related to product descriptions, characteristics, ratings and disease ratings, and all other information contained herein, see page 10.
You need superiority. Best-in class.

Built with superior winterhardiness and disease resistance, Pioneer® brand wheat delivers best-in-class yield potential. Our diverse lineup of wheat varieties offers market-leading agronomic traits to fit your needs. Our wheat varieties offer superior stability and adaptability across growing regions with excellent standability, optimal height and very good lodging resistance.
You need max potential. Consistent performance.

Pioneer® brand canola hybrids are bred to give you a competitive advantage by consistently delivering outstanding disease resistance for top-end performance. Our balanced product lineup features early growth, improved standability and excellent harvestability.

### Ratings

<table>
<thead>
<tr>
<th>Pioneer® Brand/Genetic</th>
<th>Herbicide Tolerance Trait</th>
<th>Maturity</th>
<th>Sclerotinia Resistance</th>
<th>Clubroot Resistance</th>
<th>Blackleg</th>
<th>Fusarium Wilt</th>
<th>Early Growth</th>
<th>Green Seed Content</th>
<th>Standability</th>
<th>Straight Cut</th>
<th>Plant Height</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>45CM39</strong></td>
<td>5</td>
<td>1</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>8</td>
<td>7</td>
<td>VG</td>
<td>7</td>
<td>VG</td>
<td></td>
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<tr>
<td><strong>P505MSL</strong></td>
<td>5</td>
<td>6</td>
<td>R</td>
<td>CR1</td>
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<td>8</td>
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<td>7</td>
<td>VG 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>P506ML</strong></td>
<td>5</td>
<td>1</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>VG 8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See what works on your farm in minutes not hours, all in the palm of your hand. By automatically combining your planting and yield data with estimated revenue and costs, Granular Insights lets you see what’s working and which acres are holding you back, so you can make decisions today that impact yield and profitability tomorrow. Simple, straightforward analysis for better decision-making.

### What to Expect from Granular Insights

#### Make More Profitable Decisions

See profit of each acre with agronomic and financial map layers.

#### Make Use of Your Data

Upload data you already collect from 10+ manufacturers, including John Deere Operations Center.

#### See What Works

Pull up simple charts that show the impact of harvest moisture and planting date on your yield.

#### Collaborate with Your Team

Snap and send geolocated photos and notes.

#### Catch & Correct Issues Faster

Add on Directed Scouting for high frequency, 3-metre resolution satellite imagery. With weekly email alerts, you know where to scout first based on in-field changes. GPS pinpoints your exact location in the field.
**CORN FOOTNOTES**

**IMPORTANT:** Rating scores provide key information in selecting corn products in the context of your local environment, such as your area’s information and ratings are based on comparisons with within the same or similar conditions. Many factors and local growing conditions at the time of harvesting and grain drying can influence yield and quality. For complete information and scores are assigned by Pioneer Research Managers. These factors include climate, soil type, disease pressure, pest pressure, etc. After 2019 harvest and were the latest available at time of printing. Scores reflect the general performance of various soybean varieties across multiple locations and years. The soybean variety with the relative maturity rating of 17 would be a mid-late variety in Group I maturity. The early season soybean varieties (1.0 to 10) will have a low susceptibility rating to the specific race. However, the late season soybean varieties (11 to 14) will have a higher susceptibility rating. The following are the general maturity and disease resistance. The following information is provided for general guidance only and should not be used to determine if a specific soybean variety is suitable for your location. The following information should not be used as a substitute for consulting with local extension agents or local seed dealers. **SOYBEAN FOOTNOTES**

**IMPORTANT:** Rating scales provide key information in selecting soybean products in the context of your local environment, such as your area’s information and ratings are based on comparisons with within the same or similar conditions. Many factors and local growing conditions at the time of harvesting and grain drying can influence yield and quality. For complete information and scores are assigned by Pioneer Research Managers. Scores reflect the general performance of various soybean varieties across multiple locations and years. The soybean variety with the relative maturity rating of 17 would be a mid-late variety in Group I maturity. The early season soybean varieties (1.0 to 10) will have a low susceptibility rating to the specific race. However, the late season soybean varieties (11 to 14) will have a higher susceptibility rating. The following are the general maturity and disease resistance. The following information is provided for general guidance only and should not be used to determine if a specific soybean variety is suitable for your location. The following information should not be used as a substitute for consulting with local extension agents or local seed dealers.

**HERBICIDE PRODUCT MANAGEMENT GUIDE**

The guide can assist in making in-crop management plans with Pioneer® soybean products. Use these recommendations and catalysts to respond to pre-emergence and post-emergence herbicide programs. It is based on replicated research trials and disease pressure, pest pressure, etc. After 2019 harvest and were the latest available at time of printing. Scores reflect the general performance of various soybean varieties across multiple locations and years. The soybean variety with the relative maturity rating of 17 would be a mid-late variety in Group I maturity. The early season soybean varieties (1.0 to 10) will have a low susceptibility rating to the specific race. However, the late season soybean varieties (11 to 14) will have a higher susceptibility rating. The following are the general maturity and disease resistance. The following information is provided for general guidance only and should not be used to determine if a specific soybean variety is suitable for your location. The following information should not be used as a substitute for consulting with local extension agents or local seed dealers.

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6 HARDINESS RESISTANCE: Genetically and Roundup® Ready™ are registered trademarks used under license from Monsanto Company, Harmon®, HarvXtra® is a registered trademark of Forage Genetics International, LLC. HVT® alfalfa with Roundup® Ready™ technology is evaluated with technology from The Samuel Roberts Noble Foundation, Inc. Do not export Roundup® Ready™ brand alfalfa seed or crop containing Genetically. Roundup® Ready™ technology contains the Roundup® Ready™ gene. Grower's who plant Roundup® Ready™ technology products should comply with the Roundup® Ready™ technology use agreement.

3 APPLICATION OF INCOMPATIBLE HERBICIDES TO THIS VARIETY

COULD RESULT IN TOTAL CROP LOSS. Pioneer is a registered trademark of DowDuPont.

2 FORAGE YIELD: = Outstanding; = Very Hardy; = Good; = Poor. Rating based on 2013-2019 paired comparison data for trials.

1 MATURITY: = Tall; = Short (desired).

3 WHEAT FOOTNOTES

1 IMPORTANCE: Information and ratings are based on relative comparisons with other Sila-Bac® brand inoculants within each specific crop, not competitive products. Information and ratings are assigned by Pioneer Forage Additive Research, based on environmental and management conditions and may not predict future results. 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. Refer to www.pioneer.com/Canada or contact a Pioneer sales representative for the latest and most complete listing of traits and scores for each Pioneer® brand product.

1 CANOLA FOOTNOTES

1 IMPORTANT: Most rating scores provide key information useful in selection and management of Pioneer® brand products in your area. Information and ratings are based on comparisons with other Pioneer® brand products, not competitive products. Information and scores are assigned by Pioneer Research Managers. Scores are based on period-of-year testing through 2019 harvest and were the latest available at the time of publication. Scores represent on average of performance data across areas of adoption, multiple growing seasons, a wide range of both climate and soil types, and may not predict future results. 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/Canada or contact a Pioneer sales representative for the latest and most complete listing of traits and scores for each Pioneer® brand product.

1 Footnotes | 51