From seed to harvest
Pioneer® brand products and services
2017
Table of Contents

THE PROVING GROUND™
- Where Research Meets Reality 1
- 2015 Proving Ground™ Yield Challenge Winners 2
- Yield Hero Contest 3

CANOLA
- Pioneer Protector® Traits 5
- Canola Hybrids Feature Products 7
- Canola Hybrids Characteristics 9
- Industry-Leading Canola Yields 10
- DuPont™ Lumiderm™ Insecticide Seed Treatment 11
- DuPont™ Acapela® Fungicide 12
- DuPont™ FarmCare® Connect Grower Program 13
- Grower Testimonials 15

CORN
- Grain Corn Seed Feature Products 17
- DuPont™ Sortant™ IS Herbicide RESEARCH UPDATE 19
- Industry-Leading Corn Yields 20
- Silage Corn Seed Feature Products 21
- Corn Seed Product Characteristics 25
- Optimum® AcreMax™ and Herculex® Products 27
- Technology Segments 28
- Staying Connected 29

SOYBEAN
- Soybean Feature Products and Characteristics 31
- DuPont™ Express® SG Herbicide 33
- High Performing Soybean Yields 34

SUNFLOWER
- Sunflower Feature Products 35

ALFALFA
- Alfalfa Feature Products 36
- Alfalfa Characteristics 37

INOCULANTS
- Inoculants 39
- Fertilizers 40

CONTACTS
- Pioneer Hi-Bred Sales Representatives 43

Not all Pioneer® brand products are included in this guide. See your Pioneer Hi-Bred sales representative for information on all our products, or go to https://ca.pioneer.com/west/en/
Welcome to the DuPont Pioneer Seed-to-Harvest Guide for 2017

We take great pride in providing you with high-quality, top-performing seed and crop protection products, to help you increase the yield of your crops and the profitability of your farm. Of course, every farm has different needs. We strive to put the right product on the right acre for your operation.

I am proud to present you with our 2017 product guide, featuring detailed descriptions of some of our key seed products for 2017.

Among these are several new products that are the first of their kind in Western Canada. We are the first company to have Genuity® Roundup Ready® canola hybrids, containing built-in Pioneer Protector® HarvestMax traits with resistance to pod shatter and pod drop. Pioneer Protector® HarvestMax traits provide flexibility at harvest with maximum yield.

We are really excited about the performance of our new canola hybrid with built-in Pioneer Protector® Plus resistance traits to both sclerotinia and clubroot. Not only do we have strong canola genetics with built-in sclerotinia resistance, we also have a crop protection product – DuPont™ Acapela® fungicide – to help provide complete control against sclerotinia and give you peace of mind that your crop and your yield will be protected.

We are also the first company to bring early-maturity (70-day) corn hybrids and early-maturing T Series brand soybean varieties to the Western Canadian market.

Looking down the road

To meet your changing needs, we’re always looking ahead and developing new ideas and technologies for your farm. Corn is becoming a more important crop in Western Canada. We’ll continue to develop high-yielding hybrids with shorter maturities. We are also excited about developing a new corn herbicide, DuPont™ Sortan™ IS*, that will control volunteer Roundup Ready® canola, to help you grow the best corn crop possible.

In the coming years, we will make LibertyLink® herbicide tolerance commercially available in our elite canola genetics, and introduce Pioneer® brand Optimum® GLY, a novel glyphosate resistance trait.

Earning your business

Both the DuPont Pioneer and DuPont Crop Protection teams are committed to your success. Our agronomic know-how, local expertise and dedication to our customers continue to be key reasons why growers choose Pioneer® brand seed products and DuPont crop protection products.

On behalf of all our people in Western Canada, thank you for making us a part of your success. We hope you have a safe, productive and profitable 2017.

Bryce Eger
Business Director, Pioneer and Crop Protection

From 1926 to 2016, and beyond

In 2016, DuPont Pioneer is celebrating 90 years of serving farmers with top-performing seed and agronomic advice. It’s also our 70th anniversary in Canada. We’re proud to have helped generations of farm families grow high-yielding crops and successful businesses.

While this is a notable milestone, we’d sooner look forward. Every day, we come to work with a mission to help our customers put the right seed on the right acre. Our research and development team continues to find new and better ways to do this. Our local Pioneer Hi-Bred sales representatives continue to add to their knowledge and expertise.

Here’s to the next 90 years, and to your success.

*This product is not registered for use. It is a violation of the Pest Control Products Act to use a product in a non-registered application.
Agronomy Research Efforts

• Testing different agronomic practices – new and old – to help us learn more about the factors that impact yield
• Testing of new proprietary traits and treatments to help us understand the true value to farmers of the trait and how it can best help their operation
• Providing growers with access to unbiased, scientifically-based agronomic information

Side-by-Sides

• Field-scale demonstration of commercial products that are managed with farm-scale equipment
• Customers can “test-drive” DuPont Pioneer genetics against other products on their farm
• Allows “system comparisons” to measure overall performance of hybrid and weed control

2015 Yield Challenge Winners Across Western Canada

<table>
<thead>
<tr>
<th>Grower Name</th>
<th>Town</th>
<th>Province</th>
<th>Crop</th>
<th>Pioneer® brand seed product</th>
<th>Yield (bu/ac)</th>
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<tbody>
<tr>
<td>Florian Hagmann</td>
<td>Birch Hills</td>
<td>SK</td>
<td>45H33</td>
<td>116.8</td>
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<td>Jim Herder</td>
<td>Sylvan Lake</td>
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<td>Guy Cadain</td>
<td>Leask</td>
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<td>Bowsman</td>
<td>MB</td>
<td>46H75</td>
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<td>MB</td>
<td>P7632AM™</td>
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<td>Everett Boyd</td>
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The Yield Hero Contest is a great opportunity for you to share your proudest moments on the farm, when you finally get to announce the high yields of your Pioneer® brand seed products.

This contest is open to any Manitoba, Saskatchewan, Alberta, or British Columbia growers who have purchased Pioneer® brand canola, soybean or corn seed products, through a Pioneer Hi-Bred sales representative.

**How to Qualify:**
- Purchase a minimum of 8 units (80 acres) of Pioneer® brand canola seed,
- 16 units (40 acres) of Pioneer® brand corn seed or
- 50 units (30 acres) of Pioneer® brand soybean seed.
- Pioneer® brand seed must be purchased through a Pioneer Hi-Bred sales representative.
- Only commercial product of Pioneer® brand seed will qualify.
- Irrigation of designated field is not allowed.
- Yield of the contestant’s field must be measured by a Pioneer Hi-Bred sales representative and weigh wagon.
- Yield monitors will not be accepted.

**How to Enter:**
There are two ways to enter the 2016 Yield Hero Contest:
1. Contact your local Pioneer Hi-Bred sales representative and have him/her submit your weigh to DuPont Pioneer through the DuPont Pioneer Trials System.
2. Complete the weigh with your PHI sales representative, let him/her take a picture of you with your yield results on our fancy yield board, then tweet your results to @PioneerWCanada with the hashtags #YieldHero #WestCanAg and include your picture. Improve your odds of winning by entering the contest through both methods!

The contest opens on Monday, August 8th, 2016 at 12:00 a.m. CST and closes on Sunday, November 13th, 2016 at 11:59 p.m. CST.

**Grand Prize:**
- The grand prize is a trip for 2 to attend the final curling weekend of the 2017 Tim Hortons Brier in St. John’s, Newfoundland!
- There will be 18 grand prize winners in total. The 15 highest entries of those 18 grand prize winners will be selected from all of the DuPont Pioneer Trials System corn and canola data submissions (1 per account manager).
- The remaining 3 of those 18 grand prize winners will be selected from all entries submitted to the @PioneerWCanada Twitter handle. The highest canola, corn, and soybean submission will be deemed the winner.
- All canola weighs entered through the DuPont Pioneer Trials System submission method must be submitted by 11:59 PM CST on Sunday, November 13, 2016.
- All corn weighs entered through the DuPont Pioneer Trials System submission method must be submitted by 11:59 PM CST on Sunday, October 30th, 2016.
- All soybean weighs entered through the DuPont Pioneer Trials System submission method must be submitted by 11:59 PM CST on Sunday, November 13, 2016.

For complete contest information and rules, please visit https://ca.pioneer.com/west/en/events-contests/
Elite Genetics Run In The Family
DuPont Pioneer has always been at the forefront in providing innovative genetics with high yield potential, and solid agronomics that anticipate grower needs.

For 2017, we’re proud to offer you two NEW and exciting canola hybrids – one with Pioneer Protector® HarvestMax traits and the other with built-in Pioneer Protector® Plus traits.

NEW Pioneer® hybrid 45CS40, with the Pioneer Protector® Plus traits, is the first canola hybrid with both clubroot and sclerotinia resistance built into the seed, to protect your canola from these damaging diseases right up to harvest.

For growers interested in straight cutting their canola, DuPont Pioneer can help you do so successfully. We are the first company to introduce a canola hybrid with the Genuity® Roundup Ready® trait, along with pod shatter resistance. Pioneer® hybrids 46M34 and NEW 45M35 are two canola hybrids with the built-in Pioneer Protector® HarvestMax traits, to reduce your risk of harvest losses.

Looking for flexibility at harvest time? Canola hybrids with built-in Pioneer Protector® HarvestMax traits deliver.

Key Features
- Strong seed pods
- Swath timing flexibility
- Ability to straight cut
- Maximize yields

Grocer Benefits
- Peace of Mind
- Flexibility in harvest timing
- Higher returns
- Later harvest means pods have more time to fill
- More seed in the bin – less lost to shatter
- Potential for more profit per acre
- Reduced volunteers

Pioneer Protector® Plus
DuPont Pioneer is the first and only company to develop a canola hybrid in Western Canada with built-in disease protection from both sclerotinia AND clubroot.

Pioneer Protector® HarvestMax
DuPont Pioneer is the first company to introduce a Genuity® Roundup Ready® canola hybrid with pod shatter resistance traits that can reduce the risk of harvest losses due to pod shatter and pod drop.

Pioneer Protector® Sclerotinia*
Since its introduction in 2009, DuPont Pioneer continues to introduce high yielding canola hybrids with built-in sclerotinia resistance for Western Canadian growers.

Pioneer Protector® Clubroot
DuPont Pioneer was the first to introduce Clubroot resistant canola hybrids into the market with high yield potential and solid agronomics.

Look for the Pioneer Protector® logo on high-performing canola hybrids this season. It’s a symbol of canola seed traits that protect your yield and your business.

*Field results show that Pioneer Protector® Sclerotinia Resistance can reduce the incidence of sclerotinia in a canola crop by over 60%. Individual results may vary. Depending on environmental and agronomic conditions, growers planting canola hybrids with the Pioneer Protector® sclerotinia resistance traits may still require a fungicide application to manage sclerotinia in their crop.
**Canola Hybrids**

**Feature Products**

43E03
- Very early maturity hybrid
- Above average early growth
- “MR” for blackleg
- Low green seed count

45H29
- Industry standard with Clubroot resistance
- Built-in Pioneer Protector® Clubroot resistance traits (races 2, 3, 5, 6 & 8)
- “R” for blackleg

45H31
- Outstanding yield potential
- Superior standability and harvestability
- “R” for blackleg

45H33
- High-yielding Clubroot resistant hybrid
- Built-In Pioneer Protector® Clubroot resistance trait (races 2, 3, 5, 6 & 8)
- Excellent early growth
- “R” for blackleg and fusarium wilt

45S54
- High-yielding hybrid with built-in Pioneer Protector® Sclerotinia resistance trait
- “R” for blackleg
- Good standability

45S56
- High-yielding hybrid with built-in Pioneer Protector® Sclerotinia resistance trait
- Very good standability
- “MR” for blackleg
- Resistant to fusarium wilt

45H76
- Mid maturity Clearfield® hybrid
- Very good standability
- “R” for blackleg and fusarium wilt
- Clearfield® production system provides exceptional weed control with Ares™ herbicide

45H75
- Excellent early growth
- Outstanding standability and harvestability
- “R” for blackleg
- Clearfield® production system provides exceptional weed control with Ares™ herbicide

**New Canola Products**

45M35
- Maximum yield and harvest flexibility in one package
- Exceptional yield potential
- Very good standability
- Excellent early growth

45CS40
- Excellent yield potential
- Contains both Protector® Clubroot and Sclerotinia resistance traits all in one package
- Excellent early growth
- Very good standability
- “R” for blackleg

**Canola Numbering System**

Example: 45H29
- 4 = Canola
- 3 = 6 Relative Maturity of the canola
- H = Canola Hybrid
- 2 = 6** Number represents Roundup Ready® tolerant canola
- 9 = Denotes random number of seed product

*Some Pioneer® brand canola products will have an “S” designation meaning Pioneer Protector® Sclerotinia Resistance Trait products, an “E” designation meaning Early Maturity Canola, an “M” designation meaning Pioneer Protector® HarvestMax, or a “CS” designation meaning Pioneer Protector® Plus (clubroot and sclerotinia trait). An “M” designation also means the product is a Pioneer Protector® HarvestMax or a Pioneer Protector® Plus canola.

**Numbers starting with 7 = Represents canola with the Clearfield® trait ex: 46H75

Clearfield® is a trademark of DuPont.

Ares™ is a trademark of Syngenta Seeds Ltd.
## Characteristics

<table>
<thead>
<tr>
<th>Product</th>
<th>Characteristic Ratings</th>
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<td>43E03</td>
<td>MR 6 1 R 7 9 5 6 7</td>
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<tr>
<td>45H29</td>
<td>R 8 1 R 8 8 6 G 8 7</td>
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<tr>
<td>45H33</td>
<td>R 7 1 R 8 8 7 G 8 7</td>
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<tr>
<td>45H31</td>
<td>R 7 1 R 8 8 7 G 8 7</td>
</tr>
<tr>
<td>46M34</td>
<td>MR 7 1 R 8 7 7 VG 7 7</td>
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<tr>
<td>45M35*</td>
<td>MR 7 1 R 8 8 8 VG 8 8</td>
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<td>45CS40*</td>
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</tr>
<tr>
<td>46H76</td>
<td>R 8 1 R 8 8 7 G 8 7</td>
</tr>
</tbody>
</table>

### Industry-leading canola yields

**46M34**
- Canola hybrid with Pioneer Protector® HarvestMax traits with outstanding yield potential and very good standability.
- **50.6 bu/ac** vs **47.7 bu/ac**
- **9% WINS**
- **9 Proving Ground® Comparisons**

**45H33**
- Pioneer® hybrid 45H33 has yield, standability and clubroot resistance in one package.
- **51.6 bu/ac** vs **50.2 bu/ac**
- **12 Proving Ground® Comparisons**

**45H31**
- Pioneer® hybrid 45H31 canola for growers that want a proven leader in yield and standability.
- **43.7 bu/ac** vs **43.5 bu/ac**
- **12 Proving Ground® Comparisons**

**46H75**
- Superior yield and standability with the Clearfield® trait.
- **48.6 bu/ac** vs **45.5 bu/ac**
- **27 Proving Ground® Comparisons**

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

DuPont Lumiderm™
Insecticide seed treatment

DuPont Acapela®
fungicide

Protect Your Seed Investment.

Key Grower Benefits:

• Control of early season cutworms in canola
• Enhanced protection against crucifer and striped flea beetles
• New class of chemistry (Group 28) for resistance management
• Excellent early season seedling stand establishment, vigour and biomass
• Up to 35 days of protection through the critical stages of seedling growth

SEE THE LUMIDERM™ DIFFERENCE IN CUTWORM CONTROL

Cutworms are a real problem in canola production. If you’re not paying close attention to your fields, they can destroy a significant portion of your crop in a matter of days.

• Cutworms are very difficult to detect since they typically live underground during the day and feed at night
• During the first 35 days of seedling growth, Lumiderm™ helps protect your canola from cutworm feeding, which can enhance early season stand establishment and crop vigour

SEE THE LUMIDERM™ DIFFERENCE IN ENHANCING FLEA BEETLE PROTECTION

Crucifer and striped flea beetles can cause significant damage to canola crops across Western Canada. Lumiderm™ insecticide seed treatment offers enhanced protection against flea beetles, to help maximize your canola yield.

• Lumiderm™ provided a 35% reduction in flea beetle damage, 14-35 days after seeding, in 156 trials across Western Canada†
• Growers have achieved a 1.3 bu/acre advantage over the standard treatment, across Western Canada†

How do you know if Lumiderm™ is working?

• Cutworms usually stop feeding with as little as one or two bites of canola seedlings from canola seed treated with Lumiderm™
• Lumiderm™ is very fast acting – control is generally achieved within 72 hours of feeding

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Canola seed treated with Lumiderm™ is the best way to prevent a patchy, bare field and yield loss due to cutworm damage.

Source: Seven Persons, AB, 42 Days After Seeding

Source: Lumsden, SK, 22 Days After Seeding

More Complete Coverage

• Rapidly absorbed, moving quickly into and within each plant
• This allows you to spray even when conditions are challenging

4 Unique Movement Properties

• Acapela® is a one-of-a-kind fungicide that quickly and efficiently surrounds, penetrates and protects the leaf and stem

Higher Yield Potential

• Better coverage means better protection, providing outstanding disease control for greener, healthier crops and higher yield potential

• More moves, more bushels

More moves, more bushels

Acapela®, Translaminar Movement

Acapela®, Xylem Systemic Activity

Acapela®, Local Gas Activity

Acapela®, Wax Diffusion Activity

Acapela® Field Performance – Canola

Acapela® Yield Results

Source: 2012-2015 DuPont Side-by-Side Trials

Source: 2010-2014 DuPont Pioneer Demo Strip Trials

Source: 2015 Yield results from large-scale DuPont Pioneer field trials across Western Canada

Source: Westlock, AB 2013

Acapela® Yield Results

*DuPont Research & Development (replicated) trials and Glover Demo strip trials (2010-2014)
**2015 Yield results from large-scale DuPont Pioneer field trials across Western Canada (RI-08)

Protect Your Canola, Soybeans and Corn Against Disease.

- Canola plants that are infected with sclerotinia can lose up to half their yield.
- Yield loss in soybean crops is primarily the result of white mould. With high severity, yield losses may approach 40-50%. Additionally, soybean standability and seed quality may be reduced.

Speed, Agility and Exceptional Coverage

More Complete Coverage

• Rapidly absorbed, moving quickly into and within each plant
• This allows you to spray even when conditions are challenging

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DuPont Pioneer Industry Partners

**JumpStart® inoculant helps to increase the availability of soil and fertilizer phosphate**

Enhanced phosphate availability results in increased root growth and increased leaf surface area. As a result, canola inoculated with JumpStart® may flower earlier, have an increased number of pods and pod-bearing branches, and have earlier, more uniform maturity. Ultimately, you can help your canola crop reach its full potential.

**JumpStart® in canola provides improved phosphate availability, which leads to:**

- Enhanced root and shoot development
- Improved stress tolerance
- Earlier, more uniform maturity
- Improved yield potential

Order your canola seed pre-treated with JumpStart®!

For more information, visit UseJumpStart.ca

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**Helix® Vibrance® seed treatment**

Add the control of Helix® Vibrance® seed treatment and you have a seed treatment that helps canola unleash its full potential. Helix® Vibrance® seed treatment protects canola’s genetic capacity, producing more vigorous emergence and healthier root systems. The result: enhanced crop establishment and improved yield potential.

- Four fungicides and one powerful insecticide deliver broad-spectrum pest control that includes Rhizoctonia and flea beetles
- Quick-acting, long-lasting protection with proven seed safety
- Earlier flowering and pod set
- Uniform performance under a wide range of growing conditions
- Combined systemic movement with ideal soil mobility
- The Rooting Power™ of Vibrance® delivers stronger roots that take full advantage of soil nutrients and can better defend against soil diseases

**Helix® Vibrance® is available on all Pioneer® brand canola hybrids.**

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*Photo courtesy of DuPont Pioneer.*

**May 2012: 45H29 Standard**

The information set forth above is based on statements made by the manufacturer(s) and not by DuPont Pioneer. Interested parties should independently determine if the information posted herein is still current or whether changes or new information is available from the manufacturer. Always read and follow label directions. Helix®, Vibrance®, Helix XTRA®, Rooting Power™, and Vibrance® are trademarks of a Syngenta Group Company. © 2016 Syngenta.

JumpStart® is a trademark of Monsanto Technology LLC, Monsanto Canada, Inc. licensee.
Corn is a crop you must consider in Western Canada when looking at the yield potential and returns per acre that can be achieved. DuPont Pioneer is leading the way in developing high-yielding corn hybrids with traits to suit the growing conditions of Western Canada. We invite you to look closely at these Pioneer® brand corn hybrids for 2017. Chances are, one of them will be a great fit on your farm. Along with the advice of your local Pioneer Hi-Bred sales representative, we’re with you all the way.

Grower Testimonials

**Corn**

“DuPont Pioneer has a great lineup of early-maturing corn products. I like the way their corn products stay green right until maturity. One product in particular, P73232R, has given me top yield every year; it has been really good. Year over year, I see an improvement in their corn seed products. My Pioneer Hi-Bred sales representative has been great to work with as well. We have a great relationship and he is always there when I need him. I believe I won the yield challenge this year because of the great genetics and the weather we had. There was no frost and our corn was in the ground early.”

Arthur Bell, Boissevain, MB
2015 Proving Ground® Yield Challenge Winner

**Canola**

“Growing Pioneer® brand seed products for 10 years, we have found the seed quality is very consistent. The seed has very good seedling vigour and good yields. My Pioneer Hi-Bred sales representative is very friendly and willing to help. He is not only very helpful, he is also a good friend. I believe I won the yield challenge in my area because the seed timing was good. We had great germination and an overall good harvest. I find the biggest advantages to growing Pioneer® brand canola hybrids are the built-in disease resistance traits and the straight-cut ability of their new canola hybrids. In my opinion, Pioneer® brand seed products have the whole package.”

Tim Tollefson, Mossbank, SK
2015 Proving Ground® Yield Challenge Winner

“I’ve been growing Pioneer® brand seed products for about 10 years now. I grow Pioneer® brand canola seed products in particular because I like the yield potential and the genetics in the newer canola hybrids. This year, I won the yield challenge in my area with Pioneer® canola hybrid 45H33. I would tell my neighbours to try including Pioneer® brand canola seed products in their rotation. That is what I did and since then, I have had great success. The biggest advantage of growing Pioneer® canola hybrids that I see is the yield potential and the disease resistance traits that are built into the hybrids.”

Ronald Krywko, Sturgeon County, AB
2015 Proving Ground® Yield Challenge Winner

**Florian Hagmann, Birch Hills, SK**
2015 Proving Ground™ Yield Challenge Winner

**Tim Tollefson, Mossbank, SK**
2015 Proving Ground™ Yield Challenge Winner

**Ronald Krywko, Sturgeon County, AB**
2015 Proving Ground™ Yield Challenge Winner

**Arthur Bell, Boissevain, MB**
2015 Proving Ground™ Yield Challenge Winner
**Grain Corn Seed Products**

### Feature Products

**P7005AM™**
- 2000 heat units
- Ultra early maturity
- Excellent yield potential
- Good test weight scores
- Good plant height
- Good husk cover

**P7202AM™**
- 2000 heat units
- Ultra early maturity
- Produces large kernels with good test weight

**P7211HR**
- 2050 heat units
- High yielding with early maturity
- Produces large kernels with good test weight

**P7213R**
- 2050 heat units
- Very early hybrid
- Balanced agronomic package
- Very good root strength
- Very good grain drydown
- Excellent choice for grain corn

**39D95**
- 2175 heat units
- Top performing hybrid for Manitoba grain market
- Broad area of adaptation

**39V05**
- 2250 heat units
- Late-flowering hybrid
- Above average root strength
- Very good drought tolerance

**P7332R**
- 2950 heat units
- Excellent root strength
- Good drought tolerance
- Excellent husk cover
- Average grain drydown

**P7632AM™**
- 2225 heat units
- Optimum® AcreMax® product delivering integrated refuge for above-ground insect control
- Good drought tolerance
- Excellent root strength and husk cover

**39V09AM™**
- 2275 heat units
- Strong Goss’s Wilt protection
- Good root strength
- Very good drought tolerance
- Good grain drydown

**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

**P8210HR**
- 2475 heat units
- High yielding corn hybrid for Manitoba with very good standability
- Very good stalk strength for ease of harvest

**P8387AM™™**
- 2800 heat units
- Excellent yield potential
- Strong Goss’s Wilt protection
- Choice of harvest management - used for silage or grain

---

**Corn Numbering System**

**Example:** P7213R

- **P** Denotes a Pioneer® brand product
- **72** RM = Relative Maturity Identifier
- **13** Random Number 01-99
- **R** Segment Identifier: R = Roundup Ready® gene, HR = Herculex® I above-ground insect control with Roundup Ready® gene and LibertyLink® trait, AM™ = Optimum® AcreMax® technology delivering integrated refuge for above-ground insect protection.
**NEW** Sortan™ IS will allow growers to remove early season weed pressure, including volunteer Roundup Ready® canola, which is key to maximizing yield and economic returns in corn.

**Application Timing Submitted for Registration:**
Sortan™ IS can be used as a pre-emergence or post-emergence (spike to V3) application.

**Removes Early-Season Weed Competition**
- Designed to remove early season weed competition including volunteer Roundup Ready® canola and wild buckwheat

**Resistance Management**
- Provides an additional mode of action to glyphosate, making it a great tool for effective resistance management

**Extended Control**
- Extended control of tough broadleaf and grassy weeds throughout the critical weed free period

Sortan™ IS Application Timing

**Critical Weed Free Period**
NEW Sortan™ IS is a powerful and versatile tool that will help growers keep their corn free of weeds, from emergence to V3 stage of growth – which matches the critical weed free period (CWFP) in corn.

Sortan™ IS Application Timing

**Research trials show Sortan™ IS provides outstanding control of volunteer canola**

Source: Carman, MB, 2015

**Competition**
High yielding, Optimum® AcreMax® corn product with superior agronomic package

**Resistance**
Additional mode of action

**Removes**
- Removes
- Extended control of tough broadleaf and grassy weeds throughout the critical weed free period

**Source:** Carman, MB, 2015

**Planting**

<table>
<thead>
<tr>
<th>PLANTING</th>
<th>V2 4 Leaf*</th>
<th>V4 6 Leaf*</th>
<th>V6 8 Leaf*</th>
</tr>
</thead>
</table>

**Critical Weed Free Period**

**Research trials show Sortan™ IS provides extended control**

Source: Carman, MB, 2015

**Industry-leading corn yields**

**P7958AM™**
2275 heat units

Optimum® AcreMax® corn product with excellent yield and very good drought tolerance

- **161.4 bu/ac**
- **150.0 bu/ac**
- **159.3 bu/ac**

**P7632AM™**
2225 heat units

High yielding, Optimum® AcreMax® corn product with superior agronomic package

- **161.1 bu/ac**
- **147.3 bu/ac**
- **158.1 bu/ac**

**P7211HR**
2050 heat units

High yielding corn hybrid with corn borer protection

- **146.0 bu/ac**
- **138.8 bu/ac**
- **151.4 bu/ac**

**P7005YHR**
2000 heat units

Earliest corn product that yields, manages harvest timing and provides built-in protection against corn borer.

- **126.5 bu/ac**
- **121.3 bu/ac**
- **132.8 bu/ac**

**Comparisons**

- **P7958AM™** vs DeKalb® DIX-15RIB
- **P7958AM™** vs Thunder Seeds TH7174VF2PRIB
- **P7632AM™** vs DeKalb® DIX-15RIB
- **P7632AM™** vs Thunder Seeds TH7174VF2PRIB
- **P7211HR** vs DeKalb® DIX-15RIB
- **P7211HR** vs Thunder Seeds TH7174VF2PRIB
- **P7005YHR** vs DeKalb® DIX-15RIB
- **P7005YHR** vs Thunder Seeds TH7174VF2PRIB

Notes:
- *WINS = % Wins
- *bu/ac = bushels/acre
- *Heat Units (P7211HR, P7005YHR)
- *Proving Ground™ trials
- *Comparisons
- *Yield Data Summary: 2-year (2014-2015) grower-managed Proving Ground™ trials across Western Canada

**Pioneer**

*This product is not registered for use. It is a violation of the Pest Control Products Act to use a product in a non-registered application.*
Silage Corn Seed Products

Feature Products

39F44
2000 heat units
- Ultra-early silage hybrid suitable for short growing season areas in Western Canada
- Very good silage characteristics

P7332R
2050 heat units
- Excellent root strength
- Good drought tolerance
- Excellent husk cover
- Average grain drydown

39V05
2250 heat units
- Late-flowering hybrid
- Above average root strength
- Very good drought tolerance

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

P7632AM™
2225 heat units
- Optimum® AcreMax® product delivering integrated refuge for above-ground insect control
- Good drought tolerance
- Excellent root strength and husk cover

39V09AM™
2275 heat units
- Strong Goss’s Wilt protection
- Good root strength
- Very good drought tolerance
- Good grain drydown

P8210R
2425 heat units
- Very good stalk strength
- Strong drought tolerance

P8210HR
2475 heat units
- High yielding corn hybrid for Manitoba with very good standability
- Very good stalk strength for ease of harvest

P8387AM™
2500 heat units
- Excellent yield potential
- Strong Goss’s Wilt protection
- Choice of harvest management – silage or grain

P8542AM™
2550 heat units
- High yielding silage corn product
- Very good root strength and average stalk strength
- Very good drought tolerance

P8581R
2575 heat units
- Solid silage scores
- Excellent silage yield potential

P8622AM™
2600 heat units
- Optimum® AcreMax® product delivering integrated refuge for above-ground insect control
- Solid agronomics and silage characteristics
- Very good silage yield potential

P8906AM™
2650 heat units
- Exceptional silage yield potential
- High tonnage seed product with high quality
Corn as an important feed source for animals

Our corn silage products provide excellent early starch production for high energy feed and an early silage harvest. They also feature excellent stay green characteristics for green harvest and high tonnage.

Key Benefits of Planting Corn for Silage
- Corn has lower starch digestion rates per hour in rumen than barley, which means possibly lower incidence of acidosis, and better balance between rumen fermentation and intestinal digestion
- When considering the best silage option for your operation, look first at the importance of starch in the animal diet.
- Corn produces almost 2X the tons of wet silage harvested per acre than barley
- Corn also has better water use efficiency compared to wheat, barley or oats (Teutsch, 2013)

Things to Keep in Mind About Corn Silage
- When considering the best silage option for your operation, remember the importance of starch as an energy source in the diet.
- At silage maturity, the corn plant is still producing starch – the longer it stays in the field, the more starch is produced.
- To ensure silage success adhere to proper silage whole plant moisture when determining harvest timing.
- When comparing costs of barley silage versus corn silage, use a per ton basis – while per acre costs are higher for corn silage, production costs on a per ton basis favour corn silage

How Nutrient Composition Compares for Barley and Corn Silages
- Corn silage is usually 2X-3X higher starch compared to barley silage
- Barley silage is usually 3-4% points higher crude protein compared to corn silage

Barley vs Corn: Average Tons of Wet Silage Harvested/Acre
- Average barley silage yield 6.75 tons (wet)/acre = 1481 barley acres needed
- Average corn silage yield 12.5 tons (wet)/acre = 800 corn acres needed
- Corn silage can free up 680 acres available for alternative crops on your farm

Corn silage on a per ton basis is more cost effective than barley silage
## Characteristics

**New**

<table>
<thead>
<tr>
<th>Product</th>
<th>Characteristic Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>P7055™</td>
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<td>39F44</td>
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</tr>
</tbody>
</table>

* For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 40.
Pioneer® brand Optimum® AcreMax® and Herculex® Products

Maximized yields and simplified refuge compliance

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

<table>
<thead>
<tr>
<th>Technologies</th>
<th>Pests Controlled</th>
<th>Description</th>
<th>Benefits</th>
<th>Refuge</th>
<th>Refuge Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herculex® I (HX1) (HX1, LL, RR2)</td>
<td>European Corn Borer Corn Earworm Western Bean Cutworm Fall Armyworm Black Cutworm</td>
<td>Broad spectrum, above-ground insect protection</td>
<td>Above-ground protection from corn borer, western bean cutworm and black cutworm</td>
<td>20% refuge up to 1/4 mile or 400m away</td>
<td><img src="image1" alt="HX1 Example" />, <img src="image2" alt="HX2 Example" />, <img src="image3" alt="HX3 Example" /></td>
</tr>
<tr>
<td>YieldGard® Corn Borer (YGCB) x Herculex® I (HX1) + herbicide tolerant refuge (LL, RR2) (AM, LL, RR2)</td>
<td>European Corn Borer Corn Earworm Western Bean Cutworm Fall Armyworm Black Cutworm</td>
<td>Single bag product with integrated corn borer refuge</td>
<td>Single bag product with integrated corn borer and corn rootworm refuge</td>
<td>Integrated refuge; no separate refuge required</td>
<td><img src="image4" alt="YGCB Example" />, <img src="image5" alt="AM Example" /></td>
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<tr>
<td>Agrisure® RW (RW) x Herculex® Xtra (HXX) x YieldGard® XTRA Corn Borer (YGCB) + herbicide tolerant refuge (LL, RR2) (AMXT, LL, RR2)</td>
<td>European Corn Borer Corn Earworm Western Bean Cutworm Fall Armyworm Black Cutworm Western Corn Rootworm Northern Corn Rootworm</td>
<td>Single bag product with integrated corn borer and corn rootworm refuge</td>
<td>Single bag product with integrated corn borer and corn rootworm refuge</td>
<td>Integrated refuge; no separate refuge required</td>
<td><img src="image6" alt="AMXT Example" /></td>
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**Technology Segment Identifiers**

<table>
<thead>
<tr>
<th>Technology Segment Identifiers</th>
<th>Corn Technology Traits</th>
<th>Insect Resistance Levels</th>
<th>Herbicide Resistance</th>
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<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>HX1, LL</td>
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<td>E</td>
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<tr>
<td>HX1, LL, RR2</td>
<td>Herculex® I, LibertyLink, Roundup Ready Corn 2 (Corn Borer)</td>
<td>E M V E V</td>
<td>E E</td>
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<tr>
<td>AM*</td>
<td>Optimum® AcreMax®, LibertyLink, Roundup Ready Corn 2, YieldGard® Corn Borer (Corn Borer)</td>
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<td>E E</td>
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<td>AMXT</td>
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<td>HXRX, LL, RR2</td>
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<td>YieldGard® Corn Borer</td>
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<td>YGCB, RR2</td>
<td>YieldGard® Corn Borer, Roundup Ready Corn 2</td>
<td>E M G</td>
<td>E</td>
</tr>
</tbody>
</table>
Higher Performance Begins With T Series

DuPont Pioneer has developed soybean varieties to suit a much wider area of Western Canada. Take a few minutes and discover how our Pioneer® brand T Series soybean varieties deliver what you need: early maturity, good harvest standability and excellent yield potential. Talk to your local Pioneer Hi-Bred sales representative about how T Series soybeans can help you get more from this increasingly important crop.

Staying Connected With DuPont Pioneer

Whether you’re in the field, the office or on the road, you have year-round access to the crop management resources you need at https://ca.pioneer.com/west/en/

Pioneer® Seed Guide App
(Available for iPhone®, iPad® and iPod® touch. Requires iOS 8.0 or later)
Everything you need to know about Pioneer® brand seed products, right at your fingertips.

Canola Seed Rate Calculator
(Available for iPad® and iPhone®. Requires iOS 6.0 or later)
The Pioneer® Canola Seed Rate Calculator can easily estimate canola seeding rates and final stand. It will help you calculate your target seeding rate in pounds per acre, adjusting for seed size, germination, survivability and row spacing.

Planting Rate Estimator
(Available for iPhone®. Requires iOS 5.0 or later)
The Pioneer Planting Rate Estimator allows users to examine historical yield response curves to help estimate an optimum planting rate for Pioneer® brand corn products.

Pioneer® Field360™ Plantability
(Available for iPhone®, iPad® touch and iPad®. Requires iOS 7.0 or later)
Easily scan a seed tag to indicate the planter type, maximize planter performance and seed-drop accuracy.

Inoculant Value Calculator
(Available for iPad®. Requires iOS 7.0 or later)
The Pioneer Inoculant Value Calculator will assist you with estimating the value of Pioneer® brand inoculants for your farm. The Inoculant Value Calculator (IVC) will help you to evaluate the benefits of reduced shrink, improved bunklife, reduced feed inputs, feed cost savings/cow/day and total added value from investment.

Pioneer® GrowingPoint™ Agronomy App
(Available for iPhone®, iPad®, and iPod® touch. Requires iOS 7.1 or later)
The new Pioneer® GrowingPoint® agronomy app gives you access to hundreds of agronomy insights, articles and photos on your mobile device. Get answers about weed and pest control, best practices for crop management and much more.

Snapchat
Follow us on Snapchat at PioneerWCanada
Follow our NEW Snapchat account for the latest in-field agronomics and Pioneer® brand seed product updates in Western Canada.

Whether you’re in the field, the office or on the road, you have year-round access to the crop management resources you need at https://ca.pioneer.com/west/en/
Soybeans

Feature Products

P001T34R Glyphosate
2300 heat units
• Ultra early maturity, earlier than 900Y61
• Very good early growth and harvest standability
• Average canopy width

P002T04R Glyphosate
2325 heat units
• Ultra early maturity, earlier than 900Y61
• Excellent early growth scores and harvest standability
• Above average canopy width
• Built-in Phytophthora resistance (Phytophthora gene 1K)

P005T13R Glyphosate
2400 heat units
• Very good early emergence
• Very good standability and lodging scores
• Excellent plant height for maturity
• Excellent harvest standability
• Built-in Phytophthora resistance (Phytophthora gene 1C)
• Very good tolerance to iron chlorosis
• Moderate white mold tolerance

P006T46R Glyphosate
2425 heat units
• Excellent early emergence
• Excellent lodging reduction scores
• Very good white mold tolerance
• Built-in (1C) Phytophthora resistance

P008T22R2 Glyphosate
2475 heat units
• Genuity Roundup Ready 2 Yield® soybean variety
• Excellent plant height for maturity
• Excellent harvest standability
• Built-in Phytophthora resistance (Phytophthora gene 1C)
• Very good tolerance to iron chlorosis

Soybean Numbering System
Example: P001T34R
P Denotes a Pioneer® brand product
001 Relative Maturity Group
T Denotes “T Series”
34 Random Number (0-99)
R Segment Identifier:
R = Roundup Ready® gene

New Soybean Products

P005T13R Glyphosate
2400 heat units
• Very good early emergence
• Very good standability and lodging scores
• Built-in (1C) Phytophthora resistance

P006T46R Glyphosate
2425 heat units
• Very consistent, high yielding soybean
• Handles heavier soils well
• Above average early emergence
• Very good lodging score
• Built-in (1C) Phytophthora resistance

P008T22R2 Glyphosate
2475 heat units
• Excellent early emergence
• Excellent lodging reduction scores
• Very good white mold tolerance
• Built-in Phytophthora resistance (Phytophthora gene 1C)

P008T70R Glyphosate
2475 heat units
• Excellent yield potential
• Very good harvest standability
• Built-in Phytophthora resistance (Phytophthora gene 1K)
• Good tolerance to iron chlorosis

For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 41.

* New
** Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.
**Pre-Seed Weed Control in Soybeans**

*For a great burndown prior to soybeans*

**Why use Express® SG with glyphosate?**

- **Sustainable Solution**
  - Promotes sustainable glyphosate use by adding an additional herbicide mode of action

- **Systemic Activity**
  - Systemic within the plant, controlling right down to the root to prevent re-growth

- **Enhanced Weed Control**
  - Of key weeds like Dandelion, NLHB, flxweed, stinkweed, wild buckwheat and volunteer RoundUp Ready® canola

- **Flexibility**
  - Very flexible cropping options and timing of application

**Why control your weeds early?**

**EXPRESS® SG PRE-SEED TO SOYBEANS**

- **SETS YOU UP FOR SUCCESS**
  - Improves soil warming in the spring
  - Improves seed quality
  - Improves crop emergence
  - Small weeds are easier to control

- **LESS RISK FOR INSECT & DISEASE PRESSURE**
  - Flowering weeds (such as volunteer canola) present in the fall and early spring can lead to a higher risk of insect and disease pressure

- **BEST TIME TO MAXIMIZE YOUR YIELD POTENTIAL**
  - Herbicides can be less effective during times of heat and drought stress which may occur later in season
  - Young weeds can absorb and translocate herbicides better

**Express® SG product details:**

- **Timing:** Pre-seed burn-off, chelmannow and post-harvest applications
- **Chemical Group:** Group 2
- **Rates and Packaging:** One (1) jug treats 80 acres. Can be tank-mixed with any glyphosate.

**High performing soybeans**

- **P002T04R**
  - 2325 heat units
  - Glyphosate
  - Ultra early variety for Western Canada.

- **P006T78R**
  - 2425 heat units
  - Glyphosate
  - Early maturity with solid disease resistance package.

- **P008T70R**
  - 2475 heat units
  - Glyphosate
  - High yielding variety with very good standability.

- **P008T22R2**
  - 2475 heat units
  - Genuity® Roundup Ready® soybean with excellent yield.

---

*Note: Injury to pulse crops may occur on coarse-textured soils, low in organic matters (less than 3%) or in fields with variable soils, gravelly areas, sandy areas or eroded knolls. Avoid planting pulse crops in soils containing more than 50% sand.*
### Alfalfa

#### Feature Products

**P63ME70**
**Mid-Oleic / NuSun® Oil**
- Built-in tolerance to Express® herbicide
- Outstanding yield potential
- Solid agronomic package

**P63ME80**
**Mid-Oleic / NuSun® Oil**
- Excellent yield potential
- Outstanding oil content
- Very good stalk and root strength

**63A21**
**Linoleic**
- Early maturity short stature hybrid
- Excellent emergence
- Very good drydown
- Shorter plant height

### Characteristics

<table>
<thead>
<tr>
<th>Pioneer® Brand Product</th>
<th>Sunflower Type / Herbicide System</th>
<th>Relative Maturity</th>
<th>Yield</th>
<th>Percent Oil</th>
<th>Plump Height</th>
<th>Stem Curvature</th>
<th>Neck Strength</th>
<th>Root Strength</th>
<th>Rust Field Tolerance</th>
<th>Root Sclerotinia</th>
<th>Head Sclerotinia</th>
<th>Phomopsis</th>
<th>Midge Score</th>
<th>Downy Mildew Race Resistance</th>
<th>Test Weight</th>
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**Alfalfa Numbering System**
- **Example:** 55V48
  - **5** Alfalfa
  - **5** Signifies Fall Dormancy rating*
  - **V** Descriptive Letter for quality, **V** = Very winterhardy
  - **Q** = Quality forage variety
  - **48** Denotes random number of alfalfa seed product

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*All Pioneer® brand alfalfa seed products are non-Roundup Ready® resistant.
*Fall dormancy ratings for Western Canada Alfalfa range between: 3 - Early fall dormant, 4 - Medium fall dormant, 5 - Late fall dormant.

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**New Alfalfa Products**

**55Q27**
**High Forage Quality**
- Top yielding variety with aggressive regrowth adapted for dairy quality forage production
- Very good winterhardiness and excellent disease resistance
- High suitability for heavy soils where root rots are a concern
- Holds high fiber digestibility for a longer period of time, good for an extended harvest window

**55V50**
**New leader variety in the Muscle segment**
- 3% yield advantage over Pioneer® variety 55V48
- High resistance ratings for Phytophthora and Aphanomyces race 1 and 2
- High overall root rot resistance

**55V48**
**High Forage Quality**
- Solid variety with dependable forage yield
- Above average field appearance
- Very winterhardy

**54Q14**
**New Lodging Resistant Variety**
- Combines high forage quality with agronomic lodging resistance
- Improved standability with more upright stems
- Very good winterhardiness
- Provides higher yield and improved forage quality over 55V12

---

For complete definitions and disclaimers related to product descriptions, characteristics ratings and disease ratings, and all other information contained herein, see page 41.
Alfalfa

Optimal alfalfa seeding rate is 12-15 pounds per acre.

Seed Treatments & Inoculants
- Pioneer® brand polymer-coated alfalfa seed comes treated with separate layers of Apron® XL and Nitragin® Gold Rhizobia for best-in-the-industry rhizobium activity
- Pioneer® brand polymer coating is a minimal coating, providing high value in pure live seed with improved seed flowability, plantability and safety

Pure Live Seed Information
- Planting heavy-coated alfalfa seed requires higher seeding rates for the same amount of pure live seed per acre
- Make sure you know the pure live seed per acre for the alfalfa seed you are purchasing
- Know your cost per pound of pure live seed, as you could be paying more for your seed if you do not make the calculation

How to Calculate Pure Live Alfalfa Seed
Pure live seed is the seed you can expect to germinate and contribute to stand establishment. Pure live seed can be calculated from information on the alfalfa seed bag tag. Pure live seed is the percent pure seed multiplied by the percent total germination (germ + hard seed), divided by 100. Hard seed is viable seed that does not germinate within the seven day germination test period. Hard seed is included in the total germination number on the seed bag tag and it needs to be included in the pure live seed calculation.

Example Calculation of Pure Live Seed
- Pioneer® brand alfalfa seed tag info: 90% pure seed x 90% germination + hard seed = 81% pure live seed
- Heavy-coated competitor alfalfa seed tag info: 66% pure seed x 90% germination + hard seed = 59% pure live seed

DuPont Pioneer scarifies most seed lots in order to keep hard seed amount at 10% or less of finished seed. Higher percent hard seed in some competitive seed bags tends to indicate a lack of scarification, and may lead to a lengthier stand establishment period.

Alfalfa Agronomy

Plant Population
- Target 20-25 plants per square foot surviving after the first winter
- 55 stems per square foot are needed to maintain full yield potential

Seeding Rates
15-18 pounds per acre seeding rate is a good starting point for pure stands
- 260,000 seeds per pound = about 80-99 seeds per square foot
- Higher seeding rates help improve plant stands in poor soil conditions with non-optimal seed beds
- Thick plant stands compete better with weeds

12 pounds per acre can be adequate in optimal soil conditions
- Lower seeding rates can be associated with reduced establishment year yield and risk of creating non-uniform or spotty stands
- Weed competition can increase with non-uniform stands and further reduce yield and quality
- Spotty stands hurt production over the entire stand life

VARIETY/BRAND**
HERBICIDE RESISTANCE 1
FORAGE YIELD 2
RELATIVE FORAGE QUALITY
MILK YIELD PER ACRE 3
FIELD APPEARANCE 4
FALL DORMANCY
WINTERHARDINESS 5
DISEASE RESISTANCE INDEX 6
BACTERIAL WILT
VERTICILLIUM WILT
FUSARIUM WILT
ANTHRACNOSE [RACE 1]
PHYTOPHTHORA ROOT ROT
APHANOMYCES [RACE 1]
APHANOMYCES [RACE 2]
SPOTTED APHID
PEA APHID
BLUE APHID 1
NORTHERN ROOT-KNOT NEMATODE
SOUTHERN ROOT-KNOT NEMATODE
STEM NEMATODE
STANDABILITY/LODGING RESISTANCE 7
LEAFHOPPER

Muscle Varieties

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37 38
Inoculants

**Corn Silage**

- **11C33 Multi-strain with 11GFT**
  - Reduces dry matter loss from both “front-end” fermentation losses and “back-end” feedout losses.

**GrassSilk/Cerealum**

- **11G22 Multi-strain with 11GFT**
  - Reduces dry matter loss.

**Alfalfa Silage**

- **11H50**
  - Reduces dry matter loss, reduces heating, improves bulk. Promote faster silage fermentation, retaining more energy. Increases dry matter intake, improves feed efficiency, reduces feed loss into the bunk, and increases feed bunk life.

**Grass Fibre Technology**

- **11G4 Multi-strain with 11GFT**
  - Improves mass density for improved product quality. Chapter 2: Herbicide Tolerant (LL, RR2) with Poncho® 1250 Optimum® AcreMax® XTreme

**Corn Silage**

- **Inoculants**
  - Corn Silage
  - Corn Fibre Technology
  - Multi-Crop

**Corn Fibre Technology**

- **11CFT Multi-strain with 11GFT**
  - Improves fibre (NDI) digestibility. Reduces dry matter loss from both “front-end” fermentation losses and “back-end” feedout losses. Reduces heating, increases bulk. Promotes faster silage fermentation, retaining more energy.

**Grass Fibre Technology**

- **11G4 Multi-strain with 11GFT**
  - Improves fibre (NDI) digestibility. Reduces dry matter loss from both “front-end” fermentation losses and “back-end” feedout losses. Reduces heating, increases bulk. Promotes faster silage fermentation, retaining more energy.

**Multi-Crop**

- **1174**
  - Improves mass density for improved product quality. Chapter 2: Herbicide Tolerant (LL, RR2) with Poncho® 1250 Optimum® AcreMax® XTreme

**Alfalfa Silage**

- **11H50**

**Corn Silage**

- **11C33 Multi-strain with 11GFT**

**Grass Fibre Technology**

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**Grass/Cerealum**

- **1174**
  - Improves silage and reduces the risk of heating, which increases bulk. Provides lower terminalpH and degrades volatile fatty acid profile for decreased fermentation losses and enhanced bulk.}

**Grass Fibre Technology**

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**Grass/Cerealum**

- **1174**
  - Improves silage and reduces the risk of heating, which increases bulk. Provides lower terminalpH and degrades volatile fatty acid profile for decreased fermentation losses and enhanced bulk.
**Rps 1k** = Provides resistance to races 1-11, 13-15, 17, 18, 21-24, 26, 36, 37.

(-) = No specific gene for resistance.

**EFP** = European Flor de Pato resistance.

**HR** = Highly resistant.

**R** = Resistant.

**MR** = Moderately resistant.

**LR** = Low resistant.

**S** = Susceptible.

**W** = White or non-resistant.

**C** = Closely related.

**P** = Parent.

**DB** = Developed by Pioneer Hi-Bred International, Inc.

**SM** = Service mark.

**TM** = Trademark.

**®** = Registered trademark.

**™** = Trademark.

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

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**Inoculants Footnotes**

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Our local sales representative network is committed to helping you grow a successful crop under your local conditions. Contact your Pioneer Hi-Bred sales representative today!

**Pioneer Hi-Bred Sales Representatives - Western Canada**

**Sales Contact Information**

**Contact your Pioneer Hi-Bred sales representative today!**

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<thead>
<tr>
<th>Sales Representative</th>
<th>Contact Information</th>
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<tr>
<td>ReNew Ag</td>
<td>Drumheller (403) 820-0181</td>
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<tr>
<td>Cova Agrology</td>
<td>Didsbury (403) 507-9860</td>
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<tr>
<td>Greg Reese</td>
<td>Coronation (403) 578-8185</td>
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<tr>
<td>AJM Seeds Ltd.</td>
<td>Calgary (403) 701-3927</td>
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<td>Herb Dehoog</td>
<td>Camrose (780) 608-5662</td>
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<td>You1st Enterprises Ltd.</td>
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<td>Sanford Farms Inc.</td>
<td>Fort Saskatchewan/Vegreville (780) 832-9699</td>
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<td>Ron Wieler</td>
<td>Fort Vermilion (780) 841-7854</td>
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<tr>
<td>Smokey Seed Company Ltd.</td>
<td>Guy (780) 837-1334</td>
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**British Columbia**

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<td>Fraser Ag Services</td>
<td>Souris (204) 572-2636</td>
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