Your profitability partner

Prograin®
A world of Soybean
That constantly pushes the limits of research

One of the company’s values is commitment to excellence. Achieving this begins with the development of soybean varieties that meet the most demanding criteria of agricultural producers.

Every year, Prograin invests substantial resources to develop new cultivars with considerable efforts made by the research team. Researchers are working to develop soybean varieties that meet the performance needs of local producers based on criteria such as agronomy and yield.

Using advanced technologies, we are able to accelerate the development and evaluation of new varieties resistant to certain soybean diseases such as IDC, Phytophthora, and tolerance to Sclerotinia.

By evaluating more than 50,000 plots that undergo strict testing every year, Prograin gives you access to the largest private soybean breeding and improvement program in Canada and, at the same time, a complete portfolio of soybean varieties that will meet your highest standards.

Choosing Prograin and Quarry Seed means choosing a team of experts that will contribute to your success in soybean production.

From choosing the optimal variety for your needs to seeding and bringing your harvest to market, Prograin and Quarry Seed are committed to being responsive and support you at each of these stages so that you can maximize the profitability of your farm.

Thank you for placing your trust in us, year after year!

SEMENCES PROGRAIN INC.

Your partner...

SYLVAIN LEGAY, ASSISTANT PLANT BREEDER

RON GENDZELJEVICH FROM QUARRY SEED AND MARC SAUMURE FROM PROGRAIN

Thank you for placing your trust in us, year after year!
Very soon, we will be offering a new product that is unique in terms of the toughest weed control thanks to the best character traits available in the industry.

Local producers could soon benefit from the new Enlist™ weed control system in a high performance genetic strain developed by Prograin.

This new system offers the possibility of controlling weeds with a unique combination of three modes of action.

Prograin’s Enlist E3 soybeans will provide tolerance to 2,4-D, glyphosate and glufosinate for an extended action mode and superior yield.

For more details, please contact your authorized Quarry Seed/Prograin seed dealer.

A partner that offers you new and innovative products

Choose innovation. Choose Prograin Enlist E3™ soybeans!

That offers you innovation

Prograin’s Roundup Ready 2 Xtend® line offers you increased weed control.

Soybean varieties that are developed and tested in our research test plots. This technology allows you to better control resistant weeds in your fields. This is how Prograin contributes to your success!
DAYO R2X
2225 CHU (RM 0.5)

- Medium-short plant offering a good standability
- Contains a Phytophthora resistant gene (Rps 1k)
- Excellent Sclerotinia tolerance
- Soybean Cyst Nematode resistant
- Better adapted to light and fertile soil types
- Performs better in narrow spacing
- Best suited in conventional soil management

DARIO R2X
2275 CHU (RM 0.8)

- Very good yield potential for its maturity group
- Among the earliest maturing variety on the market, well adapted to the short season regions
- Stands out in minimum tillage
- Good lodging capacity and excellent vigor
- Adapted to no-till
- Test in 15" spacing or less

DEVO* R2X
2350 CHU (RM 0.2)

- Extremely vigorous with early flowering and good set
- Very good productivity for its maturity group
- Among the earliest maturing variety on the market, well adapted to the short season regions
- Stands out in minimum tillage
- Good lodging capacity and excellent vigor
- Adapted to no-till
- Test in 15" spacing or less

DINERO* R2X
2400 CHU (RM 0.3)

- Very healthy robust plant that will impress from day 1
- Very good productivity for its maturity group
- Stands out in minimum tillage
- Good lodging capacity and excellent vigor
- Adapted to no-till
- Test in 15" spacing or less

DOMINGO R2X
2425 CHU (RM 0.4)

- Very good vigour at the start of the season and excellent standability
- Excellent plant adaptability to all row spacings
- Adapted to no-till
- Best in 15" spacing or less

NEW VARIETY
NEW PERFORMING ULTRA-EARLY MATURING VARIETY

- MEDIUM-SHORT
- SLIGHTLY SLENDER

NEW VARIETY
A VARIETY WITH GOOD PERFORMANCE, WELL ADAPTED TO EARLY-MATURING ZONES.

- MEDIUM-TALL
- SLIGHTLY SLENDER

NEW VARIETY
A MID-SEASON SOYBEAN THAT THE MANITOBA MARKET HAS BEEN WAITING FOR!

- MEDIUM-TALL
- SEMI-BUSHY

NEW VARIETY
A VARIETY THAT PERFORMS CONSISTENTLY IN DIFFERENT ENVIRONMENTS

- MEDIUM-TALL
- SEMI-BUSHY

NEW VARIETY
A VARIETY THAT WILL BE APPRECIATED FOR ITS QUICK START IN SPRING

- MEDIUM-SHORT
- SLIGHTLY SLENDER

NEW VARIETY
A VARIETY THAT WILL BE APPRECIATED FOR ITS STABLE PERFORMANCE

- MEDIUM-TALL
- SLIGHTLY SLENDER

NEW VARIETY
A VARIETY THAT WILL BE APPRECIATED FOR ITS AGRONOMIC TRAITS

- MEDIUM-TALL
- SEMI-BUSHY

...and cutting-edge genetics
That offers you a proven technology

Prograin Genuity® Roundup Ready 2 Yield® soybeans are the result of high-tech characteristics that offer a yield that exceeds your expectations.

Opt for Prograin’s quality seeds and “know-how” to ensure excellent productivity!

TORRO R2
2300 CHU (35% DD T)

STANDABILITY
STABILITY: ADAPTABILITY
SCLEROTINIA TOLERANCE
VIGOUR FOR NO-TILL
ADAPTABILITY TO 30"
IDC
IDC: 1.8

KOSMO R2
2450 CHU (35% DD T)

STANDABILITY
STABILITY: ADAPTABILITY
SCLEROTINIA TOLERANCE
VIGOUR FOR NO-TILL
ADAPTABILITY TO 30"
IDC
IDC: 1.9

A VERY ROBUST SOYBEAN THAT WILL PROVIDE EXCEPTIONAL YIELD

1. Medium-sized plant with dark green foliage
2. Excellent yield potential for its maturity
3. Above-average standability
4. Slender soybean type with narrow leaves
5. Resistant and to high population
6. Better suited to planting in narrow rows

THE VARIETY TO CHOOSE TO OBTAIN GOOD YIELD IN EARLY MATURITY AREAS

1. Very good vigor at the start of the season, perfect for short season areas
2. Good ability to branch for an early soybean variety
3. Plant taller than average with good standability
4. Great flower fertility that ensures good yields
5. Highest pod clearance on the market
6. Offers better results in narrow rows
THE RIGHT POPULATION: KEY TO OPTIMAL PROFITABILITY

Soybean cultivars do not all respond in the same way to different populations; that’s why it’s important to plant the recommended density of each variety. At Prograin Research Centre, we conduct rigorous population testing on our different varieties every year. The table below lists the recommended populations for 7”, 14” and 30” row spacing in order to obtain an optimal yield. From the population aimed in number of seeds/ha, you can determine the sowing rate in kg/ha with the number of seeds or the bag’s weight indicated on the seeds bag.

Here is an example of the calculation.

**Calculation of seeding rate**

**Method #1**

\[
\text{Seeds/ha} = \frac{\text{Seeds/acre}}{\text{Row spacing (in)}} = \frac{180,000}{22} = 8181.81 \text{ seeds/in}
\]

**Method #2**

\[
\text{Seeds/ha} = \frac{\text{Seeds/linear m}}{\text{Row spacing (in)}} = \frac{210,000}{22} = 9545.45 \text{ seeds/in}
\]

**Method #3**

\[
\text{Seeds/ha} = \frac{\text{Seeds/unit}}{\text{Seeds/kg}} \times \frac{\text{kg/unit}}{\text{Seeds/unit}} \times \frac{\text{kg/acre}}{\text{Seeds/acre}} = \frac{180,000}{5,900} \times \frac{5,500}{6,200} = 23.73 \text{ kg/acre}
\]

**GENERITY® ROUNDUP READY 2 YIELD® VARIETIES**

All Generity® varieties are commercialized with Prograin.

**ROUNDUP READY 2 XTEND® VARIETIES**

All Roundup Ready 2 Xtend varieties are commercialized with Prograin.

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**IP Program for Western Canada**

An incomparable opportunity to increase your profitability.

**How does it work?**

- You get access to Prograin’s portfolio of early and top performing IP genetics.
- You buy Prograin Certified seed from a Quarry Seed / Prograin authorized dealer.
- You sign a Production Agreement.
- We buy back 100% of your soybean crops.
- You get a fixed premium for each bushel commercialized with Prograin.
- You deliver your soybean crops to one of the designated sites in Manitoba or Saskatchewan.

**$60/acre***

Is the average premium we paid to our IP Western Canadian growers for the 2017 harvest.

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**Want to know more?**

Contact your Prograin seed dealer for more information on how you can increase your profitability per acre.
A partner that offers you exceptional profitability

The IP soybean lineup offers all the advantages sought by producers:

- Competitive premiums*
- Varieties offering superior performance
- 100% guaranteed crop buyback program**
- Transportation logistic service tailored to your needs

** Requires to sign a contract.
** Program guarantees it will buy back your entire harvest, regardless of the actual yield.

**Prograin guarantees it will buy back your entire harvest, regardless of the actual yield.

FROM 2350 TO 2475 CHU

- **3 NON-GMO VARIETIES FROM 2350 TO 2475 CHU**

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Our customers and distributors around the world, including South Korea, China, Japan and Taiwan, enjoy the Prograin varieties grown on your land because they offer a high protein content to produce very high quality tofu and soy beverage. For example, Marula is a popular variety of soybean purchased by processors because of its high protein content and good bean size. Other varieties meet different dietary needs, which is why Prograin offers a diversified portfolio to meet the demands of our customers.

That brings value to your harvest... globally

As producers, you have successfully risen to the challenge of feeding approximately 17 million people around the world!

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Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto’s Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for these products. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.

Roundup Ready 2 Xtend® soybean varieties contain genes that confer tolerance to glyphosate and dicamba. Agricultural herbicides that contain glyphosate will destroy crops that do not tolerate glyphosate and those that contain dicamba will destroy crops that do not tolerate dicamba. Contact your Monsanto dealer or call Monsanto Technical Support at 1-800-667-4944 for recommended Roundup Ready Xtend® crop system weed control programs. Roundup Ready® technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. Sensity and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup®, are registered trade marks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee.

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prograin@prograin.qc.ca

Certified seeds are synonymous with success. Certified seeds open the door to new opportunities.

- Access to new and improved varieties
- Efficient use of inputs
- Quality assurance
- Access to new markets
- Support for future development of new varieties

It all starts with certified seeds.