

# Seed Guide



2021  
Eastern Canada

**Progress.  
Profits.  
Prograin.**



# Progress. Profits. Prograin.

## 40 years... and looking to the future

The market being mainly American at the time, the Létourneau family made it their mission to understand all of the subtleties of soybean crop management, including the best growing techniques. All to offer local producers a custom product of exceptional quality.



**It all began with a desire to do things differently. Market a value-added soybean that is 100% adapted to our local conditions and realities, and deal directly with Québec's growers... This innovative idea first took root in 1980, in Saint-Césaire, Québec, in the mind of farmer and Prograin founder Clément Létourneau.**

### **Strong human roots**

At Prograin, the human side is not central to the business, it is first and foremost. From the start, the company made sure to surround itself with passionate and competent individuals. People with heart who are completely familiar with the reality of local growers and the challenges they face on a daily basis.

### **Cooperating for even better performance**

Cooperation and teamwork can really leverage performance, for us as well as you. For the past 40 years, Prograin has been fine-tuning a highly advantageous crop buyback program, that has become a must for your profitability.

# A constantly evolving improvement program


**The soybean of the future must possess the specific genetics to meet the challenges of present-day agriculture.**

In 1986, Prograin already had a soybean genetics improvement program, which enabled it to develop its own proprietary soybean varieties. Today, that program is among the top performing in Canada.

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**Research and innovation are core values at Prograin. Over the years, this commitment to constant progress has enabled us to offer you the best of what the market has to offer:**

- Nearly 185 specialized varieties, registered in Canada and internationally.
- The best genetics for early maturing soybeans with a high protein content.



**Get the best,  
year after year**

**Nothing is left to chance.  
Every new soybean variety  
is specially developed and  
perfected for you.**

# Optimize your sales prices the smart way

Prograin is proud to introduce FIXX, its all-new digital smart platform, to help you market your harvest in real time, 100% independently.

**Keep an eye on your profitability, anytime, anyplace!**

Prograin's FIXX platform gives you an accurate overview of your marketing, without needing to talk with a representative. A simple and accessible platform that makes you the expert.

# FIXX

Set your own pricing objectives



Easily manage the sale of your harvest



Anticipate, track and optimize your revenues in real time



Maximize your profitability anytime, even when you are away from your computer



**Ready to make the leap?  
Visit our website at  
[fixxprograin.ca](https://fixxprograin.ca) or speak  
with one of our marketing  
agents, at 1 800 817-3732.**

# It all starts here

**This distinct vision and deep commitment to innovation have, over the years, enabled Prograin to carve itself a choice niche in the soybean production industry, in Canada and internationally.**

**While our seeds are trending in popularity around the world, our initial mission – to offer Canadian growers seeds specifically adapted to the prevailing conditions in Eastern Canada – is more relevant than ever.**

Headquartered in Québec, Prograin remains dedicated to supporting our local agriculture. When you buy local, you are getting products that have been specially developed to meet the local area's agronomic realities and climate conditions.

A sure value that offers you excellent business prospects, no matter what challenges await you in the future.

**Together, we  
speak the same  
language**



# Quali-Pro®

NON  
GMO

## Specialty Seeds for your most specialized needs



## HANA

● 2575 CHU (RM 0.1)  
HIGH PROTEIN



# The early little guy that plays with the big kids

PREFERRED FOR  
**organic**  
PRODUCTION

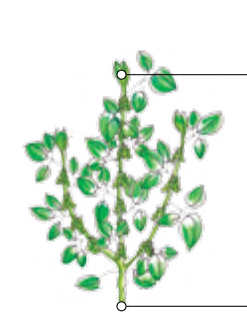
- High protein
- Slender, medium short plant
- Robust stem, excellent standability
- Variety well adapted to high populations
- Unsurpassed yield potential in its maturity group
- Extremely advantageous marketing program

- Phytophthora resistance:** No
- SCN:** Sensitive
- Hilum colour:** Yellow
- Pubescence colour:** Brown
- Protein:** 44 %

- Management Pointers**
- Preferably 15 in spacing or less
  - 30 in row spacing in organic production only
  - Sow in highly fertile soils for optimal yield

- Standability**  
1 2 3 4 5 6 7 8 9
- Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9
- Stability/adaptability**  
1 2 3 4 5 6 7 8 9
- Vigour for no-till**  
1 2 3 4 5 6 7 8 9

- Plant**  
Slightly slender  
Medium-short



## From a commercial standpoint



Average premiums per acre paid to Hana growers\*

2017	\$149
2018	\$136
2019	\$137

Average Yield Comparison\*

HANA 2018	1,45 MT/AC
MARULA 2018	1,29 MT/AC
HANA 2019	1,29 MT/AC
MARULA 2019	1,42 MT/AC

\* Average based on deliveries received from the growers group that had 50% of the highest yields

## Field Performance



A very profitable soybean for your soil structure; it allows you to sow a fall cereal crop after the soybean harvest in 2700 CHU zones and up.

Mr. Alain Lemaire, a grower in Sainte-Brigide-d'Iberville (Montérégie, Québec), delivered the first load of Hana soybeans on September 23, 2019 at 14.2% moisture, with an average yield of 1.5 MT / acre. He harvested his soybeans and sowed his winter wheat on September 22.

**Seeding date:**  
May 16, 2019

**Spacing:**  
7 in.

**Seeding rate :**  
550,000 seeds / hectare

**Target rotation:**  
Grain-corn/soybeans/wheat

**Fall 2018 soil cultivation:**  
Plowed

**Spring tillage:**  
Two passes with the vibro-cultivator 24 hours apart

**Soybean fertilizer:**  
None, but added potassium after the soybean harvest

**Seeding depth:**  
1.5 in

**Well drained soil :** yes  
**Soil type:**  
Clay loam

# HAKATA

● 2750 CHU (RM 0.9)  
TOFU



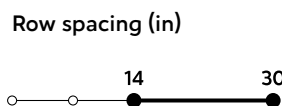
# Leading variety on export markets

Good-sized plant, well adapted to 30 in seeding  
 Good standability and good spring start  
 Profitable yield and marketing program  
 Ideal variety for growers in regions with over 2700 CHU

- Standability **1 2 3 4 5 6 7 8 9**
- Sclerotinia tolerance **1 2 3 4 5 6 7 8 9**
- Stability/adaptability **1 2 3 4 5 6 7 8 9**
- Vigour for no-till **1 2 3 4 5 6 7 8 9**

**Phytophthora resistance:** Rps 1c  
**SCN:** Sensitive  
**Hilum colour:** Yellow  
**Pubescence colour:** Grey  
**Protein:** 45 %

**Plant**  
 Semi-bushy  
 Medium-tall



**Management Pointers**  
 Sow in fertile well-drained soil for best performance  
 Sow approximately 1.5 in deep  
 Pay particular attention to seed drill calibration and performance (large seed)

# KATANA\*

● 2475 CHU (RM 00.7)  
HIGH PROTEIN



\* Pending registration

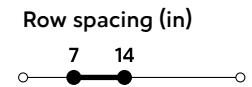
**High protein**  
 Vigorous plant, offers a great start in spring  
 Robust stem, excellent standability  
 Very profitable marketing program

**Performs well agronomically and financially in its maturity zone**

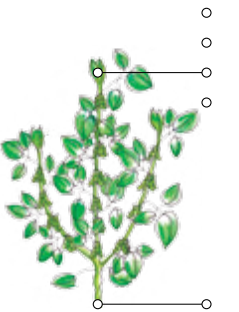
**Phytophthora resistance:** No  
**SCN:** Sensitive  
**Hilum colour:** Yellow  
**Pubescence colour:** Light brown  
**Protein:** 45 %

**Management Pointers**  
 Adapted to all soil types  
 Preferably 15 in spacing or less

- Standability **1 2 3 4 5 6 7 8 9**
- Sclerotinia tolerance **1 2 3 4 5 6 7 8 9**
- Stability/adaptability **1 2 3 4 5 6 7 8 9**
- Vigour for no-till **1 2 3 4 5 6 7 8 9**



**NEW**



**Plant**  
 Slightly slender  
 Medium-short

## From a commercial standpoint



Average premiums per acre paid to Hakata growers\*



\* Average premiums paid based on deliveries received from the growers' group that had 50% of the highest yields

## Field Performance



Winning conditions for Yves Laberge's farm in Sainte-Martine (western Montérégie, Québec, resulted in an average yield of 1.6 MT/acre in Fall 2019.

- Well-drained soil:** Boundary ditches every 200 feet, very good drainage
- Soil type:** Clay
- Crop rotation:** Sweet corn, grain-corn and soybean
- Fall tillage:** plowing after the grain-corn
- Spring tillage:** Two passes of the vibro-cultivator within a minimum of 24 hours
- Fertilizing:** sulfur-based granular NPK starter
- Seed depth:** 1.5 in to 2 in, depending on soil moisture
- Spacing:** 30 in
- Seeding rate:** 375,000 seeds/hectare
- Seeding date:** June 7 and 8, 2019

# KONATTO

● 2600 CHU (RM 0.3)  
NATTO



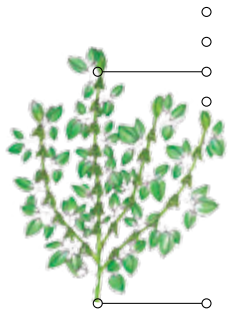
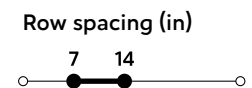
Highly valued and in great demand on export markets  
 Excellent plant fertility, very good standability  
 Ripens well for early harvest  
 Good Sclerotinia tolerance for a Natto type

**Small seed, generous premium... key factors of maximum profitability**

**Phytophthora resistance:** No  
**SCN:** Sensitive  
**Hilum colour:** Yellow  
**Pubescence colour:** Grey  
**Protein:** 40 %

**Management Pointers**  
 Sow in fertile, level soil  
 Sow approximately 1 inch deep  
 Pay particular attention to seed drill calibration and combine adjustments

- Standability **1 2 3 4 5 6 7 8 9**
- Sclerotinia tolerance **1 2 3 4 5 6 7 8 9**
- Stability/adaptability **1 2 3 4 5 6 7 8 9**
- Vigour for no-till **1 2 3 4 5 6 7 8 9**



**Plant**  
 Semi-bushy  
 Medium-short

# SAKI

● 2650 CHU (RM 0.5)  
NATTO



\* Pending registration

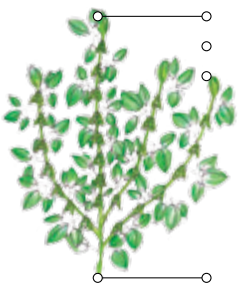
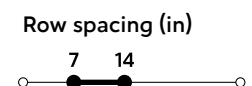
Small seed destined for the bean sprouts market  
 Very good standability  
 Good branching capacity for a small grain variety

**Ideal for developing a new export market**

**Phytophthora resistance:** No  
**SCN:** Sensitive  
**Hilum colour:** Yellow  
**Pubescence colour:** Light brown  
**Protein:** 39 %

**Management Pointers**  
 Sow in fertile, level soil  
 Pay particular attention to seed drill calibration and combine adjustments  
 Harvest early for a high germination rate

- Standability **1 2 3 4 5 6 7 8 9**
- Sclerotinia tolerance **1 2 3 4 5 6 7 8 9**
- Stability/adaptability **1 2 3 4 5 6 7 8 9**
- Vigour for no-till **1 2 3 4 5 6 7 8 9**



**Plant**  
 Semi-bushy  
 Medium-tall

**NEW**

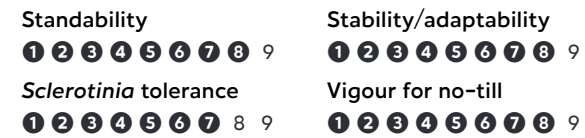
# TAURUS

● 2650 CHU (RM 0.5)  
HIGH PROTEIN



**Nutritional qualities make this a great variety for the export market**

Tall plant, good spring start  
Notable stability over the years  
Healthy dark green foliage an asset for superior yields  
Highly profitable marketing program



**Phytophthora resistance:**  
Rps 1c  
**SCN:**  
Sensitive  
**Hilum colour:**  
Yellow  
**Pubescence colour:**  
Brown  
**Protein:**  
45 %

**Management Pointers**  
Avoid poorly drained soils  
15 in spacing is ideal for this variety  
Monitor carefully in very fertile soils (manure, high % OM)

**Row spacing (in)**  
7 14



**Plant**  
Slightly slender  
Tall

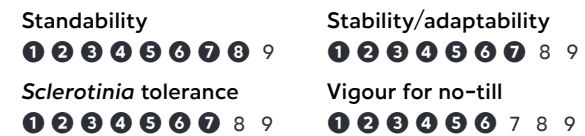
# QUENATTO

● 2700 CHU (RM 0.6)  
NATTO



**Unsurpassed Natto-type yield**

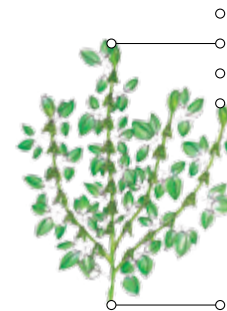
Excellent yields for a Natto type  
Unrivaled return/acre  
Medium-tall plant, with good stem and excellent standability  
Stable performance since its introduction



**Phytophthora resistance:**  
No  
**SCN:**  
Sensitive  
**Hilum colour:**  
Yellow  
**Pubescence colour:**  
Grey  
**Protein:**  
40 %

**Management Pointers**  
Sow in loose, well-drained soil  
Sow approximately 1 in deep  
Pay particular attention to seed drill and combine adjustment

**Row spacing (in)**  
7 14



**Plant**  
Semi-bushy  
Medium-tall

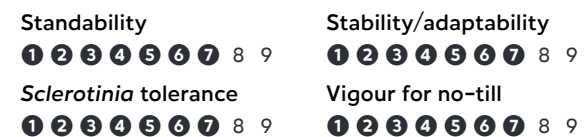
# BLACK GOLD

● 2700 CHU (RM 0.7)  
BLACK SOY



**Black seed coat, green pulp... a unique variety in Canada**

Medium-tall plant best suited for 15 in rows or less  
Yield similar to a Natto type  
Very exciting marketing program



**Phytophthora resistance:**  
ND  
**SCN:**  
Sensitive  
**Hilum colour:**  
Black  
**Pubescence colour:**  
Brown  
**Protein:**  
41 %

**Management Pointers**  
Sow in loose, well-drained soil  
Monitor seeding depth  
Pay careful attention to cleaning the seeder and combine

**Row spacing (in)**  
7 14



**Plant**  
Semi-bushy  
Medium-short

# NARA\*

● 2700 CHU (RM 0.7)  
TOFU

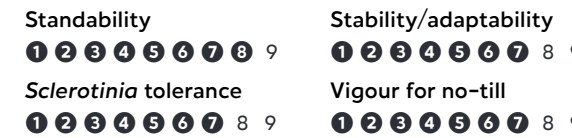


\* Pending registration

**New alternative for growers of tofu type soybeans, with improved premium**

**NEW**

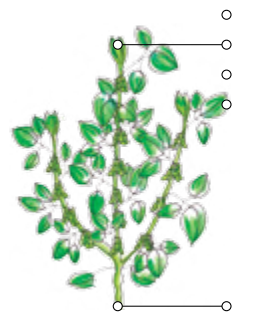
Tofu type destined for export  
Slender, medium-tall plant  
Excellent natural tolerance to common soybean diseases, including *Sclerotinia*  
Substantial profitability per acre thanks to improved premium



**Phytophthora resistance:**  
Rps 3a  
**SCN:**  
Sensitive  
**Hilum colour:**  
Yellow  
**Pubescence colour:**  
Grey  
**Protein:**  
44,5 %

**Management Pointers**  
Adapted to all soil types  
Sow in fertile soil for optimal yield  
Choose 7 in to 15 in seeding for best performance

**Row spacing (in)**  
7 14



**Plant**  
Slightly slender  
Medium-tall

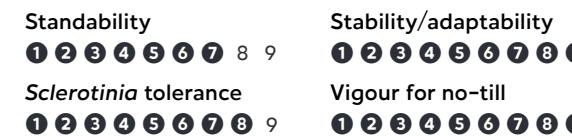
# BAKARA

● 2850 CHU (RM 1.3)  
HIGH PROTEIN



**Hardy and vigorous, excellent performance in no-till**

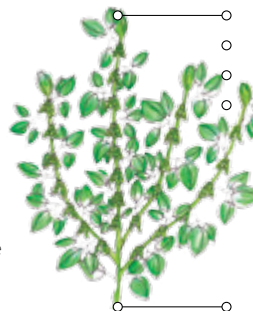
Remarkable spring vigour, healthy plants  
Stable performance, even in adverse conditions  
Proven genetic  
Ideal variety for maximum profitability in late maturing zone



**Phytophthora resistance:**  
No  
**SCN:**  
Sensitive  
**Hilum colour:**  
Yellow  
**Pubescence colour:**  
Brown  
**Protein:**  
43 %

**Management Pointers**  
Prefers clays and loam  
Sow in its maturity zone  
Choose 30 in seeding  
Monitor carefully in very fertile soils (manure, high % OM)

**Row spacing (in)**  
14 30



**Plant**  
Semi-bushy  
Tall

## Quali-Pro<sup>®</sup> CLUB

### Stand out from the crowd!

**When you qualify for the Quali-Pro Club, you benefit from numerous privileges:**

- \$8/acre\* premium paid to the producer or to the contract harvester of grade No. 1 soybeans
- Priority access to new varieties developed by Prograin, and to certain events
- Technical training, cost-of-production exercise and much more

\* Harvest quality premium for Quali-Pro varieties.





Our IP seed line ranks among the best according to results from the Réseau Grandes Cultures du Québec (RGCQ).



First rate performance

# MARULA



• 2700 CHU (RM 0.6)

## An exponential popularity since its introduction

PREFERRED FOR  
**organic**  
PRODUCTION

### High yield potential

Healthy plant, with good fertility all season long

Good resistance to common soybean diseases

Agronomically the most complete variety

### Standability

1 2 3 4 5 6 7 8 9

### Sclerotinia tolerance

1 2 3 4 5 6 7 8 9

### Stability/adaptability

1 2 3 4 5 6 7 8 9

### Vigour for no-till

1 2 3 4 5 6 7 8 9

**Phytophthora resistance:** Rps 1c

**SCN:** Sensitive

**Hilum colour:** Yellow

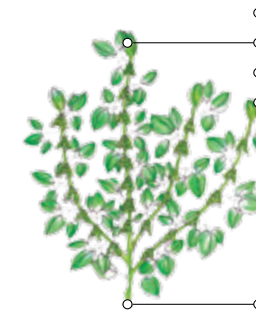
**Pubescence colour:** Brown

**Protein:** 42 %

### Plant

Semi-bushy

Medium-tall



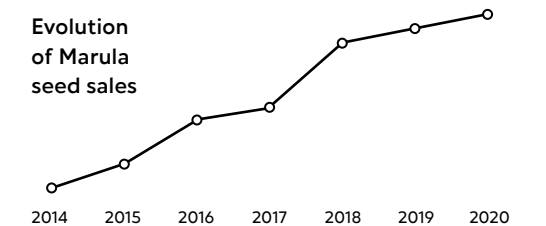
### Row spacing (in)



### From a commercial standpoint



### Evolution of Marula seed sales



### Average of premiums per acre paid to Marula growers\*



\* Average of premiums per acre based on deliveries received from the growers group with 150 acres or more for Marula soybeans

# SIBERIA



**N° 1 early variety in Hébertville, according to RGCQ 2-year summary**

● 2375 CHU (RM 00.2)

Performs well in early maturing zone  
Slender, medium tall plant  
Good standability  
Conventional variety offered with a crop buyback program

**Phytophthora resistance:**  
No

**SCN:**  
Sensitive

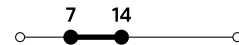
**Hilum colour:**  
Yellow

**Pubescence colour:**  
Light brown

**Protein:**  
39 %

**Management Pointers**  
Sow in well-drained soil  
Prefers seeding in narrow rows  
Good yield in higher populations

**Row spacing (in)**



**Plant**  
Slender  
Medium-tall

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9

**Vigour for no-till**  
1 2 3 4 5 6 7 8 9

# ASANA\*



**A variety you can trust, for both the grower and international buyers**

● 2700 CHU (RM 0.6)

\* Pending registration

An 8% greater yield potential than Ezra according to the RGCQ 1-year summary  
Five (5) cm shorter than Marula  
Above average tolerance to *Sclerotinia*

**Phytophthora resistance:**  
Rps 1c

**SCN:**  
Sensitive

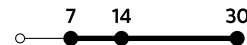
**Hilum colour:**  
Yellow

**Pubescence colour:**  
Brown

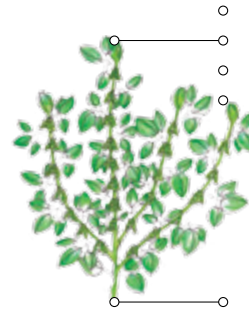
**Protein:**  
42 %

**Management Pointers**  
Adapted to all soil types, regardless of spacing

**Row spacing (in)**



**NEW**



**Plant**  
Semi-bushy  
Medium-tall

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9

**Vigour for no-till**  
1 2 3 4 5 6 7 8 9

# EZRA



**Highest yield in Québec as well as Ontario**

● 2725 CHU (RM 0.8)

Best overall yield in its group according to RGCQ and OSVT (average 3 years)  
Variety slightly later maturing than Marula and Asana (2 to 3 days)  
Very vigorous plant, good standability  
Good *Sclerotinia* tolerance

**Phytophthora resistance:**  
Rps 3a

**SCN:**  
Sensitive

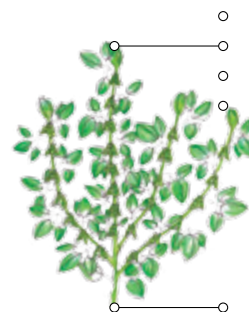
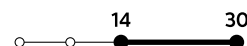
**Hilum colour:**  
Yellow

**Pubescence colour:**  
Brown

**Protein:**  
39 %

**Management Pointers**  
Sow in all soil types, regardless of crop management system  
Adapted from 15 in to 30 in rows

**Row spacing (in)**



**Plant**  
Semi-bushy  
Medium-tall

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9

**Vigour for no-till**  
1 2 3 4 5 6 7 8 9

# ACORA



**Widely appreciated for its remarkably stable performance**

● 2800 CHU (RM 1.0)

Excellent plant fertility for maximum yield  
Vigorous healthy plants  
Tall plant, well adapted to no-till systems  
Stable performance in adverse conditions

**Phytophthora resistance:**  
Rps 1c

**SCN:**  
Sensitive

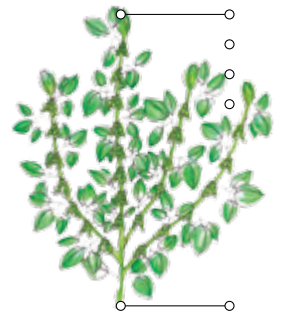
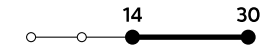
**Hilum colour:**  
Yellow

**Pubescence colour:**  
Brown

**Protein:**  
40 %

**Management Pointers**  
Sow in all soil types, regardless of crop management system  
Best suited for 15 in to 30 in rows

**Row spacing (in)**



**Plant**  
Semi-bushy  
Tall

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9

**Vigour for no-till**  
1 2 3 4 5 6 7 8 9

# ATENA



**Superior agronomic performance, surprising nutritional qualities**

● 2825 CHU (RM 1.2)

Superior yield potential  
Remarkable standability  
Robust plant with good branching capacity

**Phytophthora resistance:**  
Rps 1c/3a

**SCN:**  
Sensitive

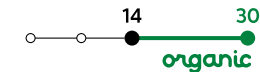
**Hilum colour:**  
Yellow

**Pubescence colour:**  
Light brown

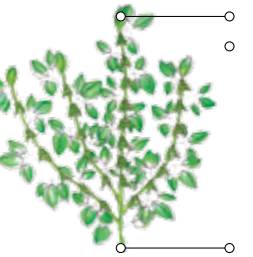
**Protein:**  
43 %

**Management Pointers**  
Sow in fertile soils  
Optimal spacing 15 in to 30 in  
Preferred spacing at 15 in rows for no-till

**Row spacing (in)**



**PREFERRED FOR organic PRODUCTION**



**Plant**  
Semi-bushy  
Medium-short

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9

**Vigour for no-till**  
1 2 3 4 5 6 7 8 9

# ZANA



**Late maturing variety with exceptional agronomic performance**

● 2875 CHU (RM 1.4)

Robust plant, very good standability  
Bushy variety, performs well at 30 in spacing  
High productivity under different growing conditions  
Good plant fertility, stable yield

**Phytophthora resistance:**  
Rps 3a

**SCN:**  
Sensitive

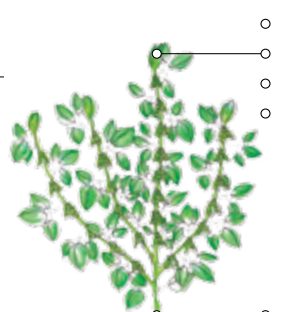
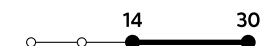
**Hilum colour:**  
Yellow

**Pubescence colour:**  
Brown

**Protein:**  
39 %

**Management Pointers**  
Sow and harvest in all crop management systems  
Optimal spacing 15 in to 30 in

**Row spacing (in)**



**Plant**  
Semi-bushy  
Medium-tall

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9






**Vigour for no-till**  
1 2 3 4 5 6 7 8 9



# Our high profitability soybean lines





## Quali-Pro Soybean Quali-Pro®

-  Highly competitive fixed variety premiums
-  Quality soybean premium
-  Paid storage
-  Transportation allowance
-  Unparalleled technical service
- CLUB** Exclusive privileges

Some conditions apply.

## IP Soybean IP

-  Superior performance
-  Competitive fixed variety premiums
-  Logistics service adapted to your needs

**PREFERRED FOR organic PRODUCTION**

### Organic soybeans, a crop that pays off

Meet rising market demand and opt for our preferred organic varieties. Benefit from numerous advantages, including the option to maximize your crop buyback.

## TURBO-N2<sup>MC</sup>

### LIQUID INOCULANT

One of the few inoculants approved for organic production.

**Liquid inoculant is packaged in flexible, leakproof containers that can be used right in the seeder box or attached to the gravity box with a grain auger when loading the seed.**

**Application rate**  
One container of 2L treats 750 kg of seed (+30 bags depending on seed size or the equivalent of a large tote bag of Prograin soybean seeds)

### PEAT INOCULANT

The only inoculant in Canada with a shelf life of two years.

**A high-performance inoculant that adheres to the seed and comes in two convenient sizes: 750 g and 2.25 kg. Once applied to the seed, it has a life span of 24 hours.**

**Application rate**  
750 g treats 250 kg of seed (+10 bags depending on seed size)  
2.25 kg processes 750 kg of seed (+30 bags depending on seed size or the equivalent of a large tote bag of Prograin soybean seeds)

### AC BRIO

● BREAD WHEAT

Early-maturing bread wheat well-established in Eastern Canada

Seeding density: 500 seeds/m<sup>2</sup>  
Thousand Kernel Weight : 39.7 g  
7 in spacing: 198.5 kg/ha

**Characteristics**  
Hard red spring wheat, awnless  
Very good standability  
Average height  
Early heading and maturity  
High specific weight  
Remarkable falling number

**Management Pointers**  
Maximum nitrogen fertilization: 120 to 150 kg/ha including 50 to 70 kg at seeding time  
Good soil preparation is important to obtain an even stand  
Avoid growing wheat after corn or another grain to reduce risk of Fusarium development

### FUZION

● BREAD WHEAT

High yield, medium late maturing bread wheat

Seeding density : 500 seeds/m<sup>2</sup>  
Thousand Kernel Weight : 39.4 g  
7 in spacing: 197 kg/ha

**Characteristics**  
Hard red spring wheat, lightly awned  
Excellent natural Fusarium tolerance  
Long plant  
Medium late heading and maturity  
High specific weight

**Management Pointers**  
Maximum nitrogen fertilization: 105 to 130 kg/ha including 50 to 70 kg at seeding time  
Watch out for lodging in intensive crop management situations or in very rich soil  
Avoid growing wheat after corn or other grain to reduce risk of Fusarium development

### CHAMBLY

● 6-ROW BARLEY

Barley recognized for its excellent resistance to lodging

Seeding density : 330 seeds/m<sup>2</sup>  
Thousand Kernel Weight: 47.0 g  
7 in spacing : 155 kg/ha

**Characteristics**  
Superior yield with high straw yield  
Exceptional standability  
Medium late maturity  
Large kernels  
Medium straw length

**Management Pointers**  
Good soil preparation is important to obtain an even stand



This advanced technology helps control the toughest weeds, by combining three unique modes of action. Enlist E3™ soybeans are tolerant of 2,4-D choline, glyphosate and glufosinate, for expanded control and optimized performance.



**GMO** Exclusive innovations from Prograin

## ELMO E3



The earliest maturing Enlist E3 variety on the market

● 2475 CHU (RM 00.7)

Very good yield potential for its maturity group  
Remarkably vigorous start  
Slender, medium tall plant

**Phytophthora resistance:**  
Rps 1a  
**SCN:**  
Yes

**Management Pointers**  
Sow in all soil types  
Optimal spacing less than 15 in

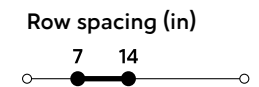
**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Hilum colour:**  
Light brown

**Pubescence colour:**  
Grey

**Protein:**  
39 %



**Plant**  
Slender  
Medium-short

## ENZO E3



Enlist E3 variety offering even greater flexibility for weed control

● 2625 CHU (RM 0.3)

Yield potential and stable performance  
Good vigour, excellent spring start  
Great adaptability to different environments

**Phytophthora resistance:**  
Rps 1a  
**SCN:**  
Yes

**Management Pointers**  
Sow in all soil types  
Prefers 15 inch spacing

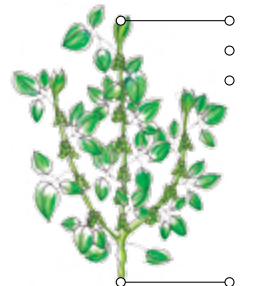
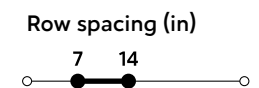
**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Hilum colour:**  
Light brown

**Pubescence colour:**  
Grey

**Protein:**  
41 %



**Plant**  
Slightly slender  
Medium-tall

## ENYO E3



A new Enlist E3 variety that has all the desired agronomic traits

**NEW**

● 2750 CHU (RM 0.8)

Guaranteed high yield  
Excellent vigour, emergence and stress tolerance  
Good standability, above average *Sclerotinia* tolerance

**Phytophthora resistance:**  
Good natural tolerance

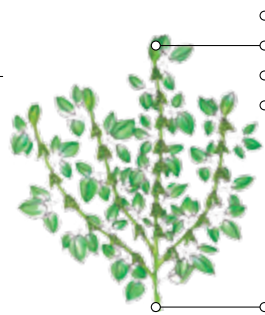
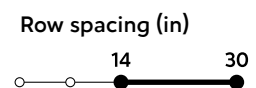
**Management Pointers**  
Adapted to all soil types  
Optimal spacing 15 in

**SCN:**  
Yes

**Hilum colour:**  
Buff

**Pubescence colour:**  
Grey

**Protein:**  
41 %



**Plant**  
Semi-bushy  
Medium-tall

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Sclerotinia tolerance**  
1 2 3 4 5 6 7 8 9

**Vigour for no-till**  
1 2 3 4 5 6 7 8 9

## ECHO E3



Promising late-maturing Enlist E3 variety offers flexibility

● 2825 CHU (RM 1.1)

Very good natural *Phytophthora* resistance  
High tolerance in adverse conditions  
Rapid and uniform emergence  
Very high flexibility when choosing a weed control program  
Rapid, dense vegetative growth

**Phytophthora resistance:**  
Rps 1c  
**SCN:**  
Yes  
**Hilum colour:**  
Imperfect black

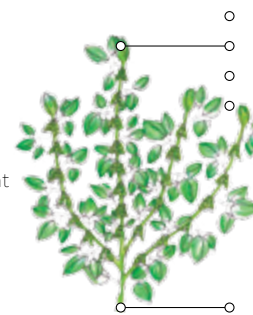
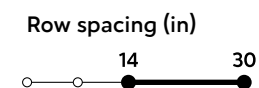
**Management Pointers**  
Sow in all types of soil, regardless of crop management system  
Optimal spacing 15 in or more  
Reduce population density in high yield potential environments

**Standability**  
1 2 3 4 5 6 7 8 9

**Stability/adaptability**  
1 2 3 4 5 6 7 8 9

**Pubescence colour:**  
Grey

**Protein:**  
40 %



**Plant**  
Semi-bushy  
Medium-tall

# Roundup Ready 2 YIELD<sup>®</sup> SOYBEANS



GMO

## Consistency & Performance: A winning formula

### MIKO R2

● 2750 CHU (RM 0.8)



# Dominant variety with a surprising yield

Vigorous variety, good spring start  
Excellent yield potential  
Stocky bushy plant, well suited to 30 in seeding

#### Standability

1 2 3 4 5 6 7 8 9

#### Sclerotinia tolerance

1 2 3 4 5 6 7 8 9

#### Stability/adaptability

1 2 3 4 5 6 7 8 9

#### Vigour for no-till

1 2 3 4 5 6 7 8 9

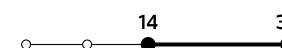
**Phytophthora resistance:** Rps 1c  
**SCN:** Sensitive  
**Hilum colour:** Brown  
**Pubescence colour:** Light brown  
**Protein:** 39 %

#### Plant

Bushy  
Medium-tall



Row spacing (in)



### From a commercial standpoint



At the top of the leaderboard from the start, in its maturity zone

RGCQ 2019 (2550-2750 CHU) - GMO	2 <sup>nd</sup>
GoSoy 2019 Groupe Maturité 0 - GMO	4 <sup>th</sup>
RGCQ 2018 (2550-2750 CHU) - GMO	1 <sup>st</sup>
GoSoy 2018 Groupe Maturité 0 - GMO	1 <sup>st</sup>
RGCQ 2017 (2550-2750 CHU) - GMO	3 <sup>rd</sup>
RGCQ 2016 (2550-2750 CHU) - GMO	1 <sup>st</sup>

### Field Performance



Very stable annual performance at 30 in with less vegetative growth.

Miko R2 has positioned itself among the top three performing varieties in 70% of the 2019 demo plots, at 30" spacing.

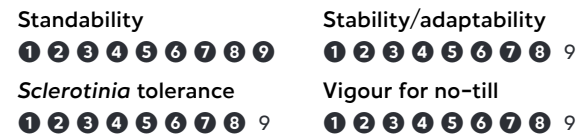
# KENDO R2

● 2525 CHU (RM 00.8)



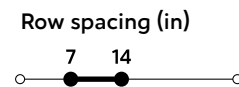
**Robust and vigorous plant, offering an excellent spring start**

Excellent yield potential  
Tall slender plant, above-average first pod height  
Healthy stems to the end of the season, exceptional standability  
Good vigour and aggressive growth all season long



**Phytophthora resistance:**  
Rps 1c  
**SCN:**  
Sensitive  
**Hilum colour:**  
Grey  
**Pubescence colour:**  
Brown  
**Protein:**  
42 %

**Management Pointers**  
Sow in all soil types (avoid very rich soils)  
Prefers narrow spacing  
Sow in its maturity zone to maximize yield



**Plant**  
Slender  
Medium-tall

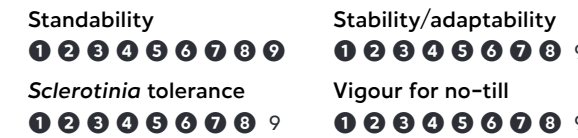
# VERTIGO R2

● 2750 CHU (RM 0.8)



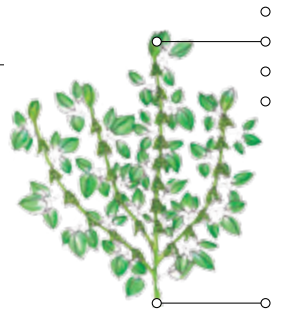
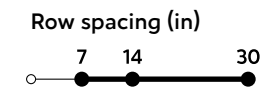
**Guaranteed yield and performance stability**

Very good yield potential  
Medium tall plant with excellent standability  
Healthy plant throughout the growing season  
Good *Sclerotinia* tolerance



**Phytophthora resistance:**  
Rps 1c  
**SCN:**  
Yes  
**Hilum colour:**  
Black  
**Pubescence colour:**  
Light brown  
**Protein:**  
41 %

**Management Pointers**  
Adapted to all soil types  
Optimal spacing 15 in or more



**Plant**  
Semi-bushy  
Medium-tall

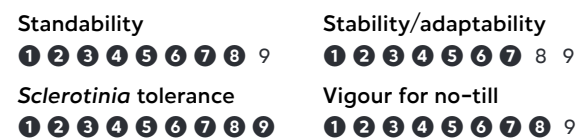
# SALTO R2

● 2625 CHU (RM 0.4)



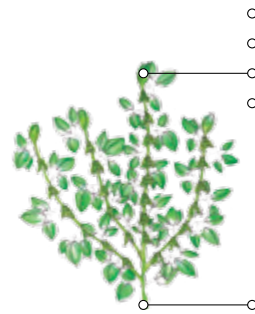
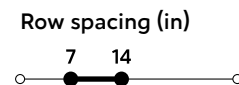
**Tough conditions? Your best ally for performance**

High yield potential  
Remarkable *Sclerotinia* tolerance  
Good tolerance to root diseases  
Short plant, very good standability  
Excellent spring vigour



**Phytophthora resistance:**  
Rps 1c  
**SCN:**  
Sensitive  
**Hilum colour:**  
Brown  
**Pubescence colour:**  
Brown  
**Protein:**  
40 %

**Management Pointers**  
Sow in fertile soil  
Optimal spacing 15 in



**Plant**  
Semi-bushy  
Medium-short

# MAXO R2

● 2825 CHU (RM 1.1)



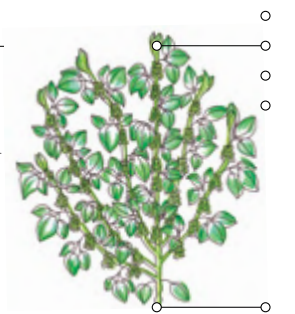
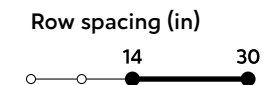
**Known for its exceptional performance and stability in the field**

Good-sized plant, robust and bushy  
Excellent yield potential  
Variety among the most tolerant to *Sclerotinia*  
Very good standability, healthy stem facilitates harvesting



**Phytophthora resistance:**  
No  
**SCN:**  
Sensitive  
**Hilum colour:**  
Brown  
**Pubescence colour:**  
Brown  
**Protein:**  
40 %

**Management Pointers**  
Sow in well-drained soil  
Prioritize no-till at 30 in for excellent yield  
Good yield in low-density populations



**Plant**  
Bushy  
Medium-tall

# ROUNDUP READY 2 XTEND SOYBEANS

GMO

## One technology, more possibilities

## COSTO R2X



● 2800 CHU (RM 1.0)

# A dominant performer all season long

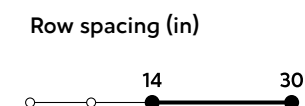
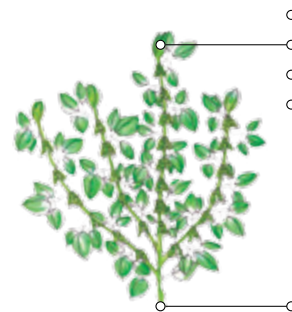
High yield potential  
Rapid and impressive vegetative growth  
Plants slightly taller than average  
Excellent spring vigour

Standability 1 2 3 4 5 6 7 8 9  
Sclerotinia tolerance 1 2 3 4 5 6 7 8 9  
Stability/adaptability 1 2 3 4 5 6 7 8 9  
Vigour for no-till 1 2 3 4 5 6 7 8 9

**Phytophthora resistance:** Rps 1c/3a  
**SCN:** Sensitive  
**Hilum colour:** Brown  
**Pubescence colour:** Light brown  
**Protein:** 39 %

**Plant**  
Semi-bushy  
Medium-tall

**Management Pointers**  
Sow in all soil types  
Optimal spacing 15 in or more  
Reduce population density in high fertility soils



## From a commercial standpoint



A rising star on the market, with a 107% performance index the first year (RCGQ 2019).

## Field Performance



Among the most disease-resistant; in addition to **Sclerotinia** tolerance, it possesses two **Phytophthora** resistance genes.

# FRESCO R2X



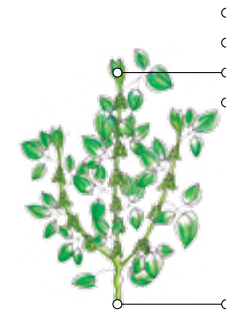
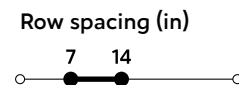
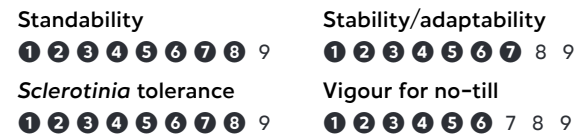
**Prograin's top-performing early variety in its maturity group**

● 2275 CHU (RM 000.9)

Rather short plant, very good standability  
Excellent yield for its maturity group  
Good natural *Phytophthora* resistance and *Sclerotinia* tolerance

**Phytophthora resistance:**  
Rps 1a  
**SCN:**  
Sensitive  
**Hilum colour:**  
Black  
**Pubescence colour:**  
Brown  
**Protein:**  
40 %

**Management Pointers**  
Avoid heavy soils  
Prefers narrow rows  
Good yield in high density populations



**Plant**  
Slightly slender  
Medium-short

# DEVO R2X



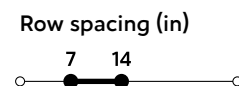
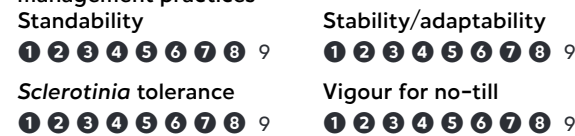
**Surprising adaptability on the agronomic level**

● 2350 CHU (RM 00.2)

Very good yield potential for its maturity zone  
Among the earliest varieties on the market, well adapted to regions with short growing seasons  
Excellent vigour and good branching capacity for its maturity group  
Enhanced performance in reduced tillage management practices

**Phytophthora resistance:**  
Good natural tolerance  
**SCN:**  
Sensitive  
**Hilum colour:**  
Brown  
**Pubescence colour:**  
Brown  
**Protein:**  
41 %

**Management Pointers**  
Optimal spacing 15 in or less  
Very well suited for no-till conditions



**Plant**  
Slightly slender  
Medium-tall

# KUDO R2X



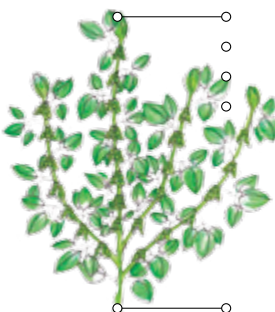
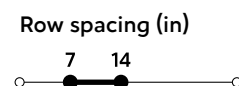
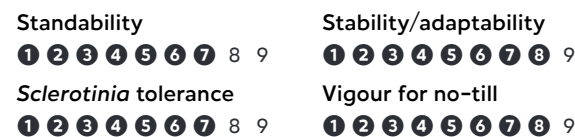
**New high-performance variety adapted to early maturity zones**

● 2475 CHU (RM 00.6)

Minimally branching plant, improves field appearance  
Excellent choice for heavy soils  
Exceptional vigour

**Phytophthora resistance:**  
Good natural tolerance  
**SCN:**  
Sensitive  
**Hilum colour:**  
Black  
**Pubescence colour:**  
Light brown  
**Protein:**  
40.5 %

**Management Pointers**  
Optimal spacing 15 in or less  
Good yield in lower density populations



**Plant**  
Semi-bushy  
Tall

# FALCO R2X\*



**Its agronomic traits make this a promising variety**

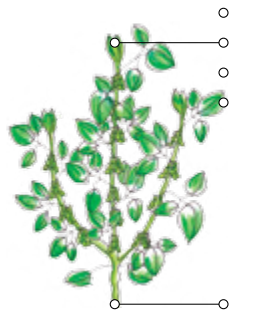
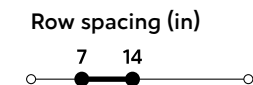
● 2550 CHU (RM 0.1)

\* Pending registration

Excellent standability in all growing conditions  
Very good *Sclerotinia* tolerance and *Phytophthora* root rot tolerance

**Phytophthora resistance:**  
Rps 1c/6  
**SCN:**  
Sensitive  
**Hilum colour:**  
Imperfect yellow  
**Pubescence colour:**  
Brown  
**Protein:**  
41.3 %

**Management Pointers**  
Sow in all soil types  
Optimal spacing 15 in or less



**Plant**  
Slightly slender  
Medium-tall

# RICO R2X



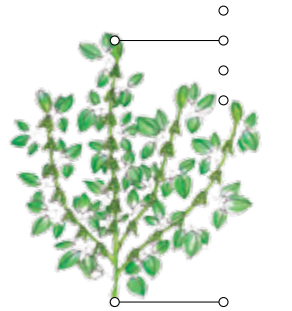
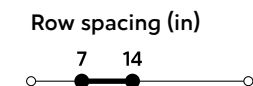
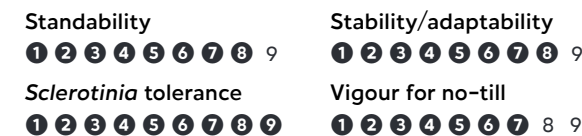
**Good resistance and tolerance to common soybean diseases**

● 2575 CHU (RM 0.1)

Excellent yield potential  
Superior standability in the field  
Very good *Sclerotinia* tolerance

**Phytophthora resistance:**  
Rps 1c  
**SCN:**  
Yes  
**Hilum colour:**  
Light brown  
**Pubescence colour:**  
Grey  
**Protein:**  
40 %

**Management Pointers**  
Sow in very fertile fields  
Sow in rows less than 20 in for best performance



**Plant**  
Semi-bushy  
Medium-tall

# YOKO R2X



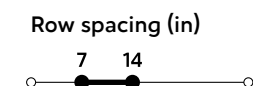
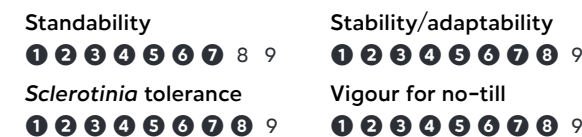
**A sure value with its desirable agronomic qualities**

● 2600 CHU (RM 0.2)

Excellent yield potential for its maturity group  
Fairly bushy variety, good standability  
Good spring start  
Superior *Sclerotinia* tolerance

**Phytophthora resistance:**  
Rps 1k  
**SCN:**  
Sensitive  
**Hilum colour:**  
Black  
**Pubescence colour:**  
Light brown  
**Protein:**  
41 %

**Management Pointers**  
Sow in all soil types  
Optimal spacing 15 in



**Plant**  
Semi-bushy  
Medium-tall



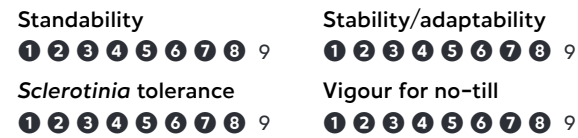
# DONALDO R2X



● 2600 CHU (RM 0.2)

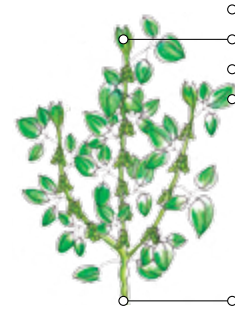
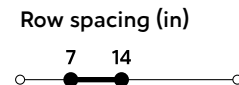
**Great adaptability and stable performance are key to this variety's success**

Very good yield potential  
 Medium tall plant with slightly bushy profile  
 Above average standability  
 Very good *Sclerotinia* tolerance  
 Variety adapts easily to challenging soil conditions



**Phytophthora resistance:**  
Rps 1c  
**SCN:**  
Sensitive  
**Hilum colour:**  
Black  
**Pubescence colour:**  
Light brown  
**Protein:**  
38 %

**Management Pointers**  
 Sow in either heavy or light soil texture  
 Optimal spacing 7 in to 15 in  
 Above average spring vigour



**Plant**  
Slightly slender  
Medium-tall

# NEO R2X\*



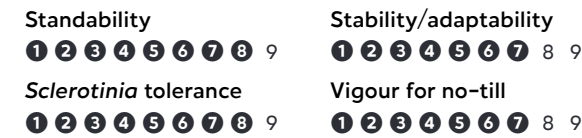
● 2825 CHU (RM 1.1)

\* Pending registration

**High yield potential and better *Phytophthora* resistance than Maxo R2**

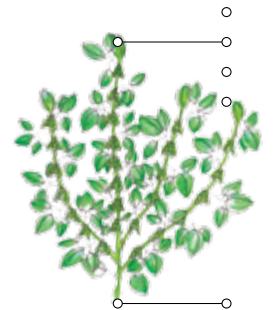
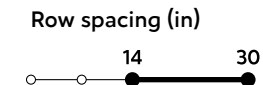
**NEW**

Good spring start  
 Above average vegetative growth  
 Excellent *Phytophthora* resistance



**Phytophthora resistance:**  
Rps 3a  
**SCN:**  
Yes  
**Hilum colour:**  
Brown  
**Pubescence colour:**  
Light brown  
**Protein:**  
39 %

**Management Pointers**  
 Choose loamy fertile soils for improved performance  
 Optimal spacing 30 in



**Plant**  
Semi-bushy  
Medium-tall

# NANO R2X\*



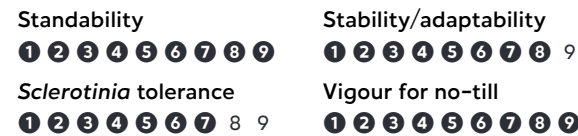
● 2700 CHU (RM 0.6)

\* Pending registration

**The leader of the pack for its performance and yield potential**

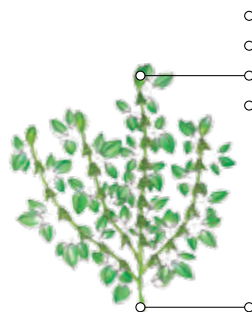
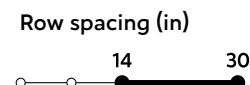
**NEW**

Excellent *Phytophthora* tolerance  
 Robust variety under adverse conditions  
 Very good spring vigour  
 Rapid canopy closure, vigorous vegetative growth  
 Yield potential superior to Salto R2 with the Xtend technology



**Phytophthora resistance:**  
Rps 3a  
**SCN:**  
Yes  
**Hilum colour:**  
Brown  
**Pubescence colour:**  
Light brown  
**Protein:**  
40.5 %

**Management Pointers**  
 Well adapted to reduced tillage and no-till  
 Excellent standability



**Plant**  
Semi-bushy  
Medium-short

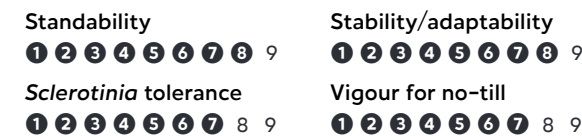
# RONDO R2X



● 2900 CHU (RM 1.5)

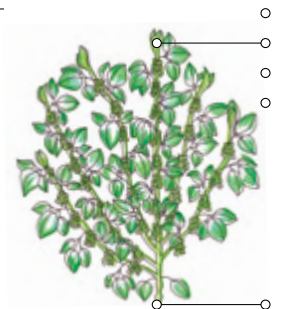
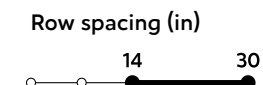
**Perfect combination of defensive traits and excellent yield potential**

Variety ideally suited for late maturing zone  
 Good standability, good spring start  
 Tall plant with good branching capacity  
 Good resistance to common soybean diseases



**Phytophthora resistance:**  
Rps 1c/3a  
**SCN:**  
Yes  
**Hilum colour:**  
Brown  
**Pubescence colour:**  
Light brown  
**Protein:**  
40 %

**Management Pointers**  
 Adapted to all soil types  
 Optimal spacing 15" or more



**Plant**  
Bushy  
Medium-tall



# Contact us!

Telephone: 1 800 817-3732

Fax: 450 469-4547

[prograin@prograin.qc.ca](mailto:prograin@prograin.qc.ca)

145, rang du Bas-de-la-Rivière Nord  
Saint-Césaire (Québec) J0L 1T0 Canada

## Maxime Gratton, agr.

District Sales Manager, Western Québec  
[maxime.gratton@prograin.qc.ca](mailto:maxime.gratton@prograin.qc.ca)

## Alexandre Tessier, agr.

District Sales Manager, Eastern Québec  
[alexandre.tessier@prograin.qc.ca](mailto:alexandre.tessier@prograin.qc.ca)

## Marc Saumure, CCA – ON, DTA

District Sales Manager, Ontario and Maritimes  
[marc.saumure@prograin.qc.ca](mailto:marc.saumure@prograin.qc.ca)

## Philippe Lemaître, agr.

Technical Manager of Seed production  
[philippe.lemaître@prograin.qc.ca](mailto:philippe.lemaître@prograin.qc.ca)

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The agronomic content of the 2021 Seed Guide was prepared and verified by agronomists Maxime Gratton, Philippe Lemaître, Alexandre Tessier and Marc Saumure.

**A guarantee of success.  
A guarantee of progress.**



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