



Prograin[®]

A world of Soybean

Western Canada

2020

Seed Guide

Prograin's story is one of soybeans.

Soybean experts in Canada



As market leaders in soy, it has been our expertise and our passion for generations. Located east of Montreal, we have been a driving force in North America in the growth, development, production and sales of this amazing crop for decades. Prograin is the largest private value-added soybean company in Canada.

It is the story of the producers we work with and our dedication in ensuring they get the most out of their crops, in terms of both yield and profit.

It is also the story of our global food network, one where a soybean variety developed in Saint-Césaire, Quebec can feed people around the world.

It is a story to be proud of, regardless of whether you are a producer, consumer or financial partner interested in soybeans. Proudly sharing our expertise since 1980. Our company values shape our identity and guide all our decisions.

Developing soybean varieties that generate the most profitability for growers is our number one priority.

We've worked hard developing new early genetics that will meet your needs and exceed your expectations. We are all driven by innovation and growers that put their trust in our brand will have access to the most advanced soybeans we have to offer.

Our research department has spent many years developing products that offer innovative technology, but primarily products that are adapted to Western Canada.

We are partners in your success



At Prograin, your profitability is our priority. Our success is tied to yours. That's why we are invested in providing the best possible service, in order to exceed our customer's expectations. Producers who trust us, see us as a partner. Together, we cultivate success.

A strategic collaboration that pays off



Prograin has been contributing to the success of more than 2,000 farmers every year for more than 35 years.

Prograin: a team of experts with whom you can work with confidence.

Whether it is to help you choose the variety best suited to your needs, to support you during sowing, or even to market your harvest, our team is committed to listening to you and supporting you every step of the way to help you to achieve optimal profitability.

Our expertise at your service

Dynamic, proactive, and known for their expertise and professionalism, all members of our big family share a true passion for soybeans. We are proud to have a strong team dedicated to the success of our company, customers, and partners.



We are developing the soybean of the future

Western Canadian Research Program



We know that success rhymes with progress. Our goal is to offer the highest quality soybean varieties year after year. To do so, we go to great lengths to develop innovative solutions.

Prograin operates the largest private soybean research program in Canada and we are proud to create varieties that meet the performance requirements of local producers.

Our research program is focused on developing more high-performance varieties that are better adapted to variable climates or inconsistent weather, more tolerant to new diseases, pests and numerous other characteristics.

The objective: to understand the reality of producers and create new varieties that meet the growing challenges of modern agriculture.

Proving itself in the field

Prograin is investing in a research and development operation in Western Canada to select and observe new soybeans varieties that are adapted to the marketplace. Our multisite approach ensure performing varieties in the fields. Management trials are a crucial step in our improvement program. Year after year, our field results speak for themselves.

Prograin deploys all the necessary efforts and resources to bring the market ultra performing soybean varieties.

State-of-the-art technology at your service



Research is at the heart of our company! We believe that technology is synonymous with added value for farmers and we do everything we can to make it work for them. Our sustained research and development efforts are aimed solely at providing even more productive and profitable seeds to Canadian farmers.

In the field: Offer the best while continually improving

The development of new high-performance cultivars is one of our company's fundamental concerns. Our team of researchers works tirelessly to develop the soybeans of the future.

In the laboratory: Take advantage of cutting-edge technologies

Using state-of-the-art technologies, we are continuing our efforts to accelerate the development and evaluation of new varieties resistant to certain soybean diseases, such as Phytophthora and Soybean Cyst Nematode (SCN), as well as tolerance to sclerotinia.

By evaluating more than 50,000 plots that are rigorously tested each year, Prograin gives you access to the largest private soybean improvement program in Canada and, by the same token, a complete portfolio of varieties that will meet your highest standards.



Quality, innovation & profitability

The IP soybean line allows you to maximize your revenues

Competitive premiums *

Varieties with superior performance

A 100% guaranteed crop buyback program **

Transport logistics service adapted to your needs

* Must sign a Production agreement.

** Prograin guarantees it will buy back 100% of your harvest, regardless of the actual yield.

2375 CHU (RM 00.2)

SIBERIA

NEW EARLY CONVENTIONAL VARIETY WITH SURPRISING PERFORMANCE!

Well adapted and very high performing in early-maturing zones

Slender plant with average – above average height

Offers above average standability

IP variety offered with a full production buyback program

HIGH PROTEIN



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

Management pointers

Responds well to high populations
Best placement is narrow rows

IDC: 1.7

Tolerance to *Phytophthora*:

good field tolerance

Pubescence colour:

tawny

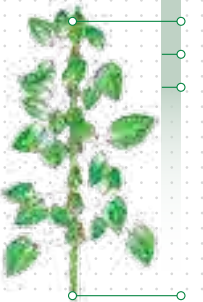
Hilum colour:

yellow

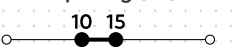
Protein %:

40

Plant type
slender
medium-tall



Row spacing (in.)



2400 CHU (RM 00.3)

MAXUS

ALL AROUND POSITIVE RESULTS

Very good standability

High protein content

Good yield potential

HIGH PROTEIN



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

Management pointers:

Best results if seeded at 7 up to 15 inch spacing

Well adapted to all soil types

IDC: 1.9

Tolerance to *Phytophthora*:

n/a

Pubescence colour:

brown

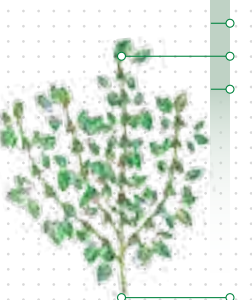
Hilum colour:

yellow

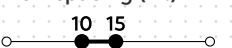
Protein %:

40

Plant type
semi-bushy
medium-short



Row spacing (in.)



2500 CHU (RM 00.7)

OPUS

VARIETY THAT COMBINES PLANT PERFORMANCE AND HEALTH!

Consistent performance in Manitoba's long-season zones

Good yield potential

Very good standability and excellent vigor in the spring

HIGH PROTEIN



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

Management pointers:

Sow in narrow rows: 10" up to 22"

Well adapted to all soil types

IDC: 2.1

Tolerance to *Phytophthora*:

Rps 1c

Pubescence colour:

brown

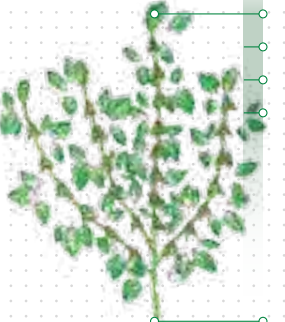
Hilum colour:

yellow

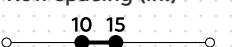
Protein %:

40

Plant type
semi-bushy
tall



Row spacing (in.)



IP Soybeans

Prograin is proud to offer its IP program to Western Canadian producers. An incomparable opportunity to increase your profitability. The soybean varieties in the IP seed line offer producers a whole host of advantages, from unparalleled field performance to attractive premiums.

Many producers are already enjoying the benefits of this program. Here is how the Prograin IP program stands out:

- We offer a fixed variety premium all year long.
- A production agreement that guarantees 100% buyback of your crop. Indeed, regardless of your yields, Prograin commits to buying back all of your harvest with your variety premium.
- Certified early and top-performing Canadian varieties.
- A commercialization service that provides you with assistance for answering your questions and for maximizing your contracts.
- An interactive platform so you can track the commercialization of your crops at any time.

To learn more, visit the IP Seeds section of our Website.



If you grow conventional soybeans

Our customer center is for you! Storing your harvest advice from our experts!



The Customer Center, where marketing your harvest begins! The Customer Center is an interactive platform where you can read and sign all of the documents associated with conventional soybean production with Prograin.

It is also a place where you can view, at any time:

- The premiums offered by Prograin for each conventional variety
- The market price for soybeans, along with an impressive history of soybean prices over time.

The Customer Center also allows you to:

- Sign and view your production agreements
- Sign and view your buyback contracts
- View your weigh slips reports
- View the field inspections lists

- Consult your purchase agreements
- View your weighings
- Consult our test plot results



Innovative exclusive features

Take advantage
of the new Enlist™
technology through
powerful genetics.

This new technology will provide weed control with three unique modes of action. Enlist E3™ soybeans will provide tolerance to 2,4-D choline, glyphosate and glufosinate for exceptional weed control and superior yield.

Consult your authorized Prograin seed dealer for more information on this new feature.

Choose innovation.
Choose Enlist E3™ soybeans!

NEW 2525 CHU (RM 00.7)

ELMO E3

NEW ENLIST E3 VARIETY TO DISCOVER FOR
EVEN MORE FLEXIBILITY IN WEED CONTROL!

Extremely high yield potential
combined with stable performance

Excellent vigor in the spring

Well adapted to different
environments

HIGH PROTEIN



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

N/A

Management
pointers

Well adapted to all soil types

Best results if seeded at 15 to

22" inch spacing

Contains the SCN resistant
gene

IDC: 1.7

Tolerance
to *Phytophthora*:

good field tolerance

Pubescence colour:

grey

Hilum colour:

yellow

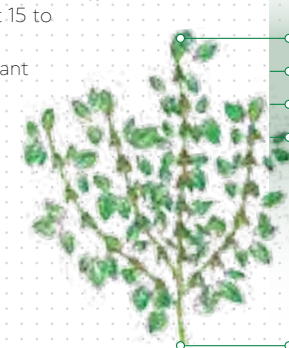
Protein %:

40

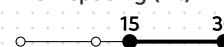
Plant type

semi-bushy

tall



Row spacing (in.)





ROUNDUP READY 2
X TEND
SOYBEANS

International reputation

**We are proud
to export Canadian
producers' harvests
around the world.**



Our customers and distributors around the world, namely those in South Korea, China, Japan, Taiwan and many other countries, appreciate the Prograin varieties produced on your land because they offer a high protein content suitable for the production of exceptional quality soy beverages and tofu.

For instance, Marula is a variety that is especially sought-after by processors because of its good grain size and high protein content.

Other varieties fulfill various nutritional requirements, which is why Prograin offers a diversified portfolio to satisfy all of our customers' needs.

**Together, we shine internationally, fuelling the
local economy while feeding millions of people
around the world.**

**Optimal
synergy for
maximum
efficiency**

**Prograin,
collaborating in
your success!**

Soybean varieties are developed
and tested in our research plots
to help better control resistant
weeds in your fields.

NEW 2275 CHU (RM 000.7)

FRESCO R2X

NEW HIGH PERFORMANCE,
ULTRA-EARLY MATURING VARIETY

Medium/Short variety that stands
well with great appearance

Among the earliest maturing
varieties on the market, well adapted
to the short-season regions

Good PRR field tolerance

Excellent IDC tolerance and white
mold tolerance



Management pointers
Best in 15" spacing or less
Target higher populations

IDC: 1.8

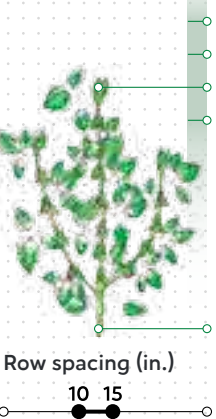
Tolerance to *Phytophthora*:
Rps1a, good field tolerance

Pubescence colour:
tawny

Hilum colour:
black

Protein %:
n/a

Plant type
slightly slender
medium-short



NEW 2350 CHU (RM 00.2)

DEVO R2X

VARIETY THAT WILL BE APPRECIATED
FOR ITS AGRONOMIC TRAITS

Very good yield potential for its
maturity group

Extremely vigorous with early flowering
and pod set

Among the earliest maturing variety on
the market, well adapted to the short-
season regions

Good bushing capacity

Maintains good plant height and pod
clearance, even under challenging
environmental conditions



Management pointers
Best in 15" spacing or less
Adapted to no-till

IDC: 1.7

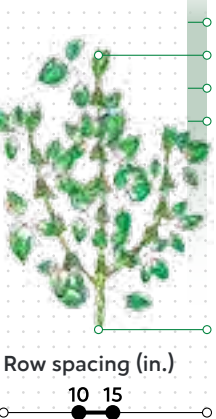
Tolerance to *Phytophthora*:
Good field tolerance

Pubescence colour:
brown

Hilum colour:
brown

Protein %:
41

Plant type
slightly slender
medium-tall



NEW 2400 CHU (MR 00.3)

DINERO R2X

SOUGHT AFTER VARIETY FOR ITS CONSISTENT
PERFORMANCE

Very good yield potential for its
maturity group

Very healthy robust plant that will
impress from day 1

Good bushing capacity and excellent
vigour

Maintains good plant height and pod
clearance, even under challenging
environmental conditions



Management pointers
Best in 15" spacing or less
Adapted to no-till

IDC: 1.8

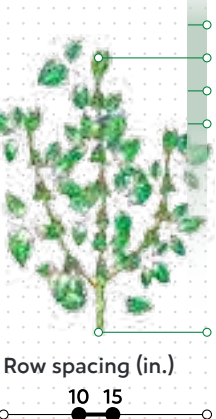
Tolerance to *Phytophthora*:
Good field tolerance

Pubescence colour:
brown

Hilum colour:
brown

Protein %:
41

Plant type
slightly-slender
medium-tall



2450 CHU (RM 00.5)

DUGALDO R2X

A MID-SEASON SOYBEAN WITH
EXCELLENT YIELD POTENTIAL!

Great yield potential

Unsurpassed standability in all
growing conditions

Great white mold tolerance

Excellent plant adaptability to
all row spacings



Management pointers:
Best adapted to 15" to 30"
row spacing
Adapted to all soil types

IDC: 2.0

Tolerance to *Phytophthora*:
good field tolerance

Pubescence colour:
light brown

Hilum colour:
imperfect yellow

Protein %:
41

Plant type
semi-bushy
medium-tall



NEW 2475 CHU (MR 00.6)

KUDO R2X

A STRONG NEW VARIETY FOR MANITOBA
WITH GREAT YIELD ON HEAVY SOILS

Taller bushy variety that has great
appearance in the field

Great choice for heavier soils and
wider rows

Very strong IDC tolerance

Good bushing capacity and excellent
vigour



Management pointers
Best in 15" spacing or more
Can adapt to lower
populations

IDC: 1.7

Tolerance to *Phytophthora*:
good field tolerance

Pubescence colour:
tawny

Hilum colour:
black

Protein %:
n/a

Plant type
semi-bushy
tall





A technology that
has proven its
worth in the field

Opt for quality seeds
and Prograin's know-
how to guarantee
excellent productivity!

Prograin Roundup Ready 2 Yield[®]
soybeans are the result of a combination
of high-tech features that deliver the performance
you seek.

2300 CHU (RM 00.1)

TORRO R2

A VERY ROBUST SOYBEAN THAT WILL
PROVIDE EXCEPTIONAL YIELD!

Tall plant with dark green foliage

Excellent yield potential for its
maturity

Above-average standability

Slender soybean type with narrow
leaves

Maintains good plant height and pod
clearance, even under challenging/
unfavourable environmental
conditions

HIGH PROTEIN



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

Management pointers

Responds well to high
population

Better suited to planting in
narrow rows

Adaptive to challenging/
unfavourable environmental
conditions

IDC: 1.8

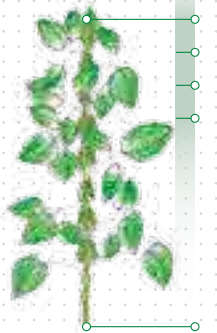
Tolerance
to *Phytophthora*:
good field tolerance

Pubescence colour:
tawny

Hilum colour:
black

Protein %:
41

Plant type
slender
tall



Row spacing (in.)

10 15

IP SOYBEAN						
VARIETIES	CHU (RM)	ROW SPACINGS	SEEDS/KILOGRAM	SEEDS/ACRE	UNITS/AC	SEEDS/LINEAR FOOT
SIBERIA	2,375 (00.2)	10 15	4,600 – 5,700	190,000 180,000	1.36 1.29	3.63 3.44
MAXUS	2,400 (00.3)	10 15	4,600 – 5,700	200,000 180,000	1.43 1.29	3.83 3.84
OPUS	2,500 (00.7)	10 15	4,600 – 5,700	190,000 180,000	1.36 1.29	3.63 3.44

ENLIST E3™ SOYBEAN						
VARIETIES	CHU (RM)	ROW SPACINGS	SEEDS/KILOGRAM	SEEDS/ACRE	UNITS/AC	SEEDS/LINEAR FOOT
ELMO E3 NEW!	2,475 (00.6)	15 30	5,000 – 5,500	180,000 170,000	1.29 1.21	3.44 9.76

ROUNDUP READY 2 XTEND® SOYBEAN						
VARIETIES	CHU (RM)	ROW SPACINGS	SEEDS/KILOGRAM	SEEDS/ACRE	UNITS/AC	SEEDS/LINEAR FOOT
FRESCO R2X NEW!	2,275 (000.7)	10 15	5,000 – 5,500	200,000 180,000	1.43 1.29	3.83 3.44
DEVO R2X NEW!	2,350 (00.2)	10 15	5,300 – 5,500	200,000 175,000	1.43 1.25	3.83 5.02
DINERO R2X NEW!	2,400 (00.3)	10 15	5,300 – 5,500	200,000 180,000	1.43 1.29	3.83 3.44
DUGALDO R2X	2,600 (0.2)	15 30	5,300 – 5,900	180,000 170,000	1.29 1.21	3.44 9.76
KUDO R2X NEW!	2,475 (00.6)	15 30	5,000 – 5,500	180,000 170,000	1.29 1.21	3.44 9.76

ROUNDUP READY 2 YIELD® SOYBEAN						
VARIETIES	CHU (RM)	ROW SPACINGS	SEEDS/KILOGRAM	SEEDS/ACRE	UNITS/AC	SEEDS/LINEAR FOOT
TORRO R2	2,300 (00.1)	10 15	5,500 – 6,200	200,000 175,000	1.43 1.25	3.83 5.02

The right population:

Guarantee of optimal profitability

Not all soybean cultivars respond in the same way to different populations; that's why it's important to plant the recommended population of each variety. At Prograin's Research Centre, we conduct rigorous population tests on our different varieties. The tables provided in the seed guide list the recommended populations for 10", 15" and 30" row spacings in order to obtain an optimal yield. The number of seeds/ac allows you to determine your seeding rate in kg/ac or lb/ac according to the seed size or unit weight of your variety. You can choose between imperial or metric, but please don't confuse the two. Here's an example of the calculation:

CALCULATION OF SEEDING RATES EXAMPLE (DEVO R2X)

- 1 Row spacing:..... 10 IN
- 2 Target population: 200,000 S/AC
- 3 Seed size:..... 5,300 S/KG
- 4 Number of seeds per unit:140,000 S/UNIT

METHOD N° 1

200,000 S/AC

140,000 S/UNIT

→

1.42 UNITS/AC

140,000 S/UNIT

5,300 S/KG

→

26.41 KG/UNIT

METHOD N° 2

200,000 S/AC

5,300 S/KG

→

37.5 KG/AC

CONVERSION

1.42 UNITS/AC X 26.41 KG/UNIT = 37.5 KG/AC

37.5 KG/AC X 2.2046 = 82.67 LB/AC

YOUR CALCULATION

- 1 Row spacing:..... IN
- 2 Target population:..... S/AC
- 3 Seed size:..... S/KG
- 4 Number of seeds per unit:..... S/UNIT

METHOD N° 1

S/AC

S/UNIT

→

UNITS/AC

S/UNIT

S/KG

→

KG/UNIT

METHOD N° 2

S/AC

S/KG

→

KG/AC

CONVERSION

UNITS/AC X KG/UNIT KG/AC

KG/AC X 2.2046 = LB/AC

YOUR CALCULATION

- 1 Row spacing:..... IN
- 2 Target population:..... S/AC
- 3 Seed size:..... S/KG
- 4 Number of seeds per unit:..... S/UNIT

METHOD N° 1

S/AC

S/UNIT

→

UNITS/AC

S/UNIT

S/KG

→

KG/UNIT

METHOD N° 2

S/AC

S/KG

→

KG/AC

CONVERSION

UNITS/AC X KG/UNIT KG/AC

KG/AC X 2.2046 = LB/AC



Prograin[®]

A world of Soybean

"ENLIST E3 AND THE ENLIST E3 LOGO ARE TRADEMARKS OF THE DOW CHEMICAL COMPANY ("DOW") OR AN AFFILIATED COMPANY OF DOW. ENLIST E3 SOYBEANS WERE JOINTLY DEVELOPED BY DOW AGROSCIENCES AND MS TECHNOLOGIES."

MONSANTO COMPANY IS A MEMBER OF EXCELLENCE THROUGH STEWARDSHIP™ (ETS).

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 kill crops that do not tolerate glyphosate and those that contain dicamba will kill 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. Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup® are registered trade marks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee.

Seed containing a patented trait can only be used to plant a single commercial crop from which seed cannot be saved and replanted. Examples of seed containing a patented trait include but are not limited to Roundup Ready 2 Yield® Soybeans, and Roundup Ready 2 Xtend® Soybeans. Patents for Monsanto technologies can be found at the following webpage: monsantotechnology.com

The Prograin logo is a registered trademark of Semences Prograin inc.

The agronomic content of the 2020 Seed Guide was prepared and verified by agronomists Shawn Rempel and Ted Moir.

Semences Prograin inc.

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

t 800 817-3732 f 450 469-4547

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.

**Certified[!]
Seed**

Contacts:

Alexandre Beaudoin

VP Sales and Marketing

alexandre.beaudoin@prograin.qc.ca

Ted Moir

District Sales Manager

ted.moir@prograin.ca

Alexandre Payeur

Account Director

alexandre.payeur@prograin.qc.ca

Shawn Rempel

District Sales Manager

shawn.rempel@prograin.ca

2020

Seed Guide