



# Prograin<sup>®</sup>

*A world of Soybean*



Eastern Canada

# 2020

Seed Guide



# 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 fulfil 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.**

## 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 achieve optimal profitability.



# An innovative technological platform designed to help make the right business decisions

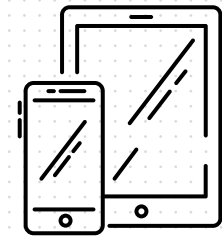
## Market your Prograin crops when you want, and in alignment with your business goals!

Prograin is proud to be the first company of its kind in North America to offer a new platform to Customer Centre users that will allow them to market their crops.

A range of factors can affect the success of your marketing efforts, such as fluctuating prices and your busy schedule during certain periods of the year.

This cutting-edge tool will monitor markets for you based on your established business goals, serving as an ally to support you in your planning. This will maximize your profitability.

Managing your marketing is as important as managing your production, both technically and agronomically.



## This easy-to-use platform offers:

Flexibility to set your price targets for each metric tonne, or close your prices yourself when you see fit.

A personalized dashboard

Implementation of a pricing target

And much more.

## True marketing support!

Our procurement team will be happy to explain the various options available to you.

Contact them now to learn more about this innovative new platform.



# For even greater profits and peace of mind!

**The unique Prograin variety premium protection plan protects you even before you start planting!**

## **Exclusive protection!**

An unexpected event may occur at harvest time and compromise your chances of getting the full variety premium on your crop.

With Prograin's exclusive "Peace of Mind" protection, you can insure 100% of your harvest and deliver it to us with complete peace of mind.

**The "Peace of Mind" protection allows you to deliver your Hana, Marula, and Hakata crops:**

With slightly stained soybeans (up to grade #2)

With a maximum moisture content of 15.5%\*

With a maximum percentage of split/cracked soybeans of 15%

## **For \$10/MT:**

Covers 100% of the crop

No minimum or maximum volume

\*The weight reduction and drying chart applies.



**A winning variety premium to match your ambitions**

**Be among the many producers who have chosen to produce soybean varieties for human consumption from the Quali-Pro and IP lines.**

WINNING STRATEGY FOR AN ADDITIONAL INCOME

**\$108/ACRE\***

Like them, you will have access to a fixed variety premium throughout the year to maximize your income, along with many other benefits.

Achieve peace of mind with high-performing varieties that offer superior yield year after year, and rest assured that we will buy back 100% of your crop, regardless of yield.

\* The average premium paid in 2019 for grade #1 and grade #2 soybeans



**Prograin®**

# 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 ever 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.

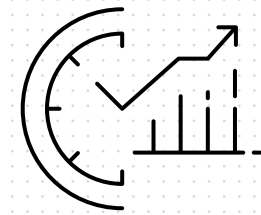
## In the laboratory

### 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.

**Prograin soybeans, the most profitable you have ever grown.**



## On the lookout for opportunities

### Meeting the growing demand by growing organic soybeans

Our seed varieties offered in organic production are favoured for food processing and offer unparalleled market potential.

Every year, Prograin ensures the high availability of its organically produced and Ecocert-certified seeds.

In choosing our varieties preferred for organic production, you are sure to profit from the many benefits they offer, in addition to maximizing the buyback value of your crop.

**HANA**  
**MARULA**  
**ACORA**

QUALI-PRO  
LINE

IP  
LINE

IP  
LINE

PREFERRED FOR  
**organic**  
PRODUCTION





## A job well done has never been so profitable!

The Quali-Pro Club allows you to share knowledge on best practices in conventional soybean production. Become one of our ambassadors by promoting the development of the soybean of the future.

Harvesting a quality grain is one of the keys to ensuring optimal profitability. The Club recognizes the exceptional work of growers who plant and harvest Quali-Pro brand soybeans.

### Numerous Quali-Pro Club privileges

A premium of \$7/acre\* is paid to the producer or custom harvester of grade #1 soybeans.

Priority access to new varieties developed by Prograin and to certain events

Technical training, cost-of-production exercise and much more!



## QUALITY SOYBEAN PREMIUM\*\*

\*\*Premium for the quality of  
the harvest for Quali-Pro varieties.

Visit our website at [prograin.ca/clubqualipro](http://prograin.ca/clubqualipro) to find out how to join the Quali-Pro Club and the privileges offered to members.



# Quality, innovation & profitability

## Our Quali-Pro specialty soybean line guarantees unmatched profitability!

Fixed and superior  
variety premiums\*

Transport allocation\*

Quality soybean premium

Become a member of the  
Quali-Pro Club

And much more!

\* Must sign a  
Production agreement

8 NON-GMO VARIETIES

FROM 2575 TO 2850 CHU

1 ORGANIC VARIETY

HANA

KONATTO

TAURUS

QUENATTO

BLACK GOLD

PLATINA

HAKATA

BAKARA

2575 CHU (RM 0.1)

HANA

A HARDY VARIETY BOTH AGRONOMICALLY AND FINANCIALLY

- Unsurpassed yield potential, rated #1 at the RGCQ, over an average of 3 years in its maturity group
- Robust stem provides excellent standability
- Slender plant, and shorter than average
- High protein variety, extremely advantageous marketing program

HIGH PROTEIN



Standability  
1 2 3 4 5 6 7 8 9

Sclerotinia tolerance  
1 2 3 4 5 6 7 8 9

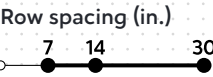
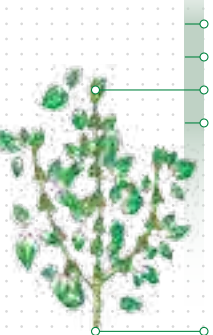
Stability/adaptability  
1 2 3 4 5 6 7 8 9

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

Management pointers

- Responds well to high populations
- Performs best in narrow rows less than 15"
- Responds well in high fertility soil types

Plant type  
slightly slender  
medium-short



2600 CHU (RM 0.3)

KONATTO

SMALL SOYBEANS, HIGH PREMIUM FOR MAXIMUM PROFITABILITY

- Consistently popular and in demand in export markets
- Excellent plant fertility and very good standability
- Ripens well for early harvest
- Good sclerotinia tolerance for a Natto type

NATTO



Standability  
1 2 3 4 5 6 7 8 9

Sclerotinia tolerance  
1 2 3 4 5 6 7 8 9

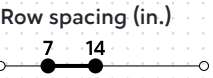
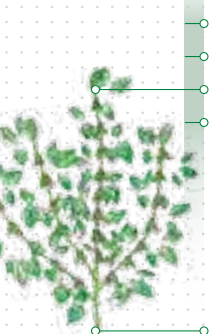
Stability/adaptability  
1 2 3 4 5 6 7 8 9

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

Management pointers

- Plant in fertile, well-levelled fields
- Pay attention to seed drill and combine adjustments
- Monitor seeding depth; aim for 1"

Plant type  
semi-bushy  
medium-short



2650 CHU (RM 0.5)

TAURUS

NUTRITIONAL QUALITIES THAT MAKE THIS AN EXCELLENT VARIETY FOR THE EXPORT MARKET

- Tall plant offers a good spring start
- Variety has proven to be extremely stable over the years
- Healthy dark green foliage, an asset for superior yield
- Very exciting marketing program to maximize your returns

HIGH PROTEIN



Standability  
1 2 3 4 5 6 7 8 9

Sclerotinia tolerance  
1 2 3 4 5 6 7 8 9

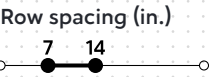
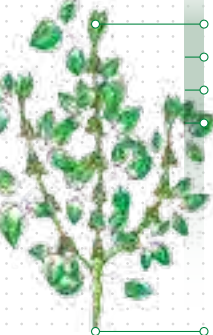
Stability/adaptability  
1 2 3 4 5 6 7 8 9

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

Management pointers

- Avoid poorly drained soils
- Best adapted for 15-inch rows
- Avoid very rich soils (manure, high % organic matter)

Plant type  
slightly slender  
tall



2700 CHU (RM 0.6)

QUENATTO

THE TOP-PERFORMING NATTO VARIETY ON THE MARKET

- Excellent yield for a Natto-type soybean
- Unparalleled return/acre
- Medium-tall plant with excellent standability
- Stable performance since its introduction

NATTO



Standability  
1 2 3 4 5 6 7 8 9

Sclerotinia tolerance  
1 2 3 4 5 6 7 8 9

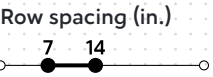
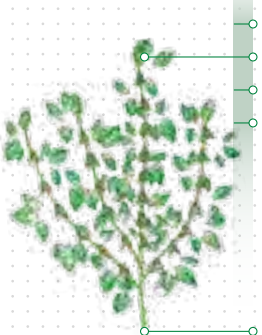
Stability/adaptability  
1 2 3 4 5 6 7 8 9

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

Management pointers

- Monitor seeding depth; aim for 1"
- Pay particular attention to seed drill and combine adjustments
- Sow in loose, well-drained soil

Plant type  
semi-bushy  
medium-tall



NEW 2700 CHU (RM 0.7)

BLACK GOLD

A NEW VARIETY WITH A BLACK SEED COAT AND GREEN PULP, HIGHLY ANTICIPATED ON THE EXPORT MARKET

- Yield similar to a Natto type
- Very exciting marketing program
- Medium-tall plant better suited for 15" rows
- Variety with good spring vigour

BLACK SOY

Pending Registration



Standability  
1 2 3 4 5 6 7 8 9

Sclerotinia tolerance  
1 2 3 4 5 6 7 8 9

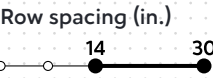
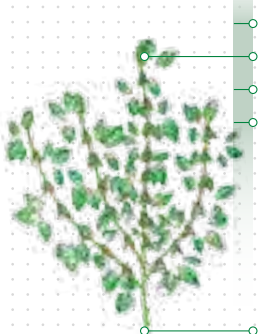
Stability/adaptability  
N/A

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

Management pointers

- Pay particular attention to cleaning the combine
- Monitor seeding depth
- Sow in loose, well-drained soil

Plant type  
semi-bushy  
medium-tall



2700 CHU (RM 0.7)

PLATINA

A PERFECT COMBINATION OF AGRONOMIC PERFORMANCE AND NUTRITIONAL QUALITIES

- Attractive return/acre thanks to our crop buyback program
- Excellent natural tolerance to common soybean diseases, including sclerotinia
- Large round seeds prized for exportation
- Tall plant capable of rapid growth, with excellent standability

TOFU



Standability  
1 2 3 4 5 6 7 8 9

Sclerotinia tolerance  
1 2 3 4 5 6 7 8 9

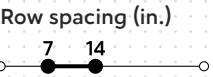
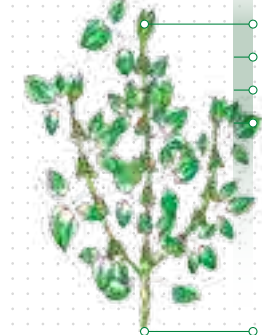
Stability/adaptability  
1 2 3 4 5 6 7 8 9

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

Management pointers

- Outstanding in rich soil
- Best performance at 7" to 15" row spacing
- Adapted to all soil types

Plant type  
slightly slender  
tall



2750 CHU (RM 0.9)

HAKATA

GROWING DEMAND IN EXPORT MARKETS  
FOR TOFU PRODUCTION

Variety combining superior  
agronomic characteristics and  
high variety premium

Ideal for producers in regions  
higher than 2700 CHU

Good-sized plant, well adapted  
to 30"

Variety offering a great spring  
start and good standability

Management pointers

Large seeds, pay attention to seed drill  
calibration

Performs best in rich soils

Monitor seed depth; aim for 1.5"

Sow in well-drained soil

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

Tolerance to  
*Phytophthora*: Rps 1c

SCN: no

Pubescence colour:

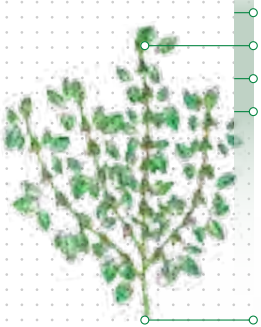
grey

Hilum colour:

yellow

Protein %: 45

Plant type  
semi-bushy  
medium-tall



Row spacing (in.)  
14 30

TOFU



2850 CHU (RM 1.3)

BAKARA

RUSTIC VARIETY WITH GREAT NO-TILL  
PERFORMANCE

Consistent performance, even  
in adverse conditions

Excellent spring vigour and  
good plant health

Ideal for maximum profitability  
in late maturity zone

Derived from proven genetic  
material

Management pointers

Caution: position in the  
appropriate maturity zone

Prefers clays and loam

Well adapted to 30"

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

Tolerance to  
*Phytophthora*: no

SCN: no

Pubescence colour:

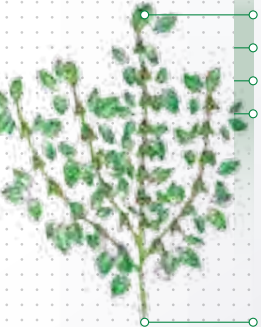
brown

Hilum colour:

yellow

Protein %: 43

Plant type  
semi-bushy  
tall



Row spacing (in.)  
14 30

HIGH PROTEIN



Quality,  
innovation  
&  
profitability

8 NON-GMO VARIETIES

FROM 2375 TO 2875 CHU

2 ORGANIC VARIETIES

SIBERIA

SASKA

MARULA

EZRA

ACORA

KARRA

ATENA

ZANA

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.

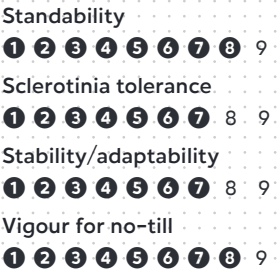
\*\* Prograin guarantees it will buy back 100% of  
your harvest, regardless of the actual yield.

2375 CHU (RM 000.6)

# SIBERIA

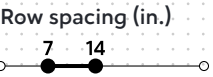
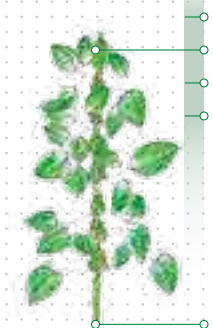
THE ULTIMATE EARLY-SEASON VARIETY

- Well adapted with high performance in early-maturing zone
- Slender plant with average height
- Offers above-average standability
- IP variety offered with a harvest buyback program



**Management pointers**  
Responds well to high populations  
Best sown in narrow rows  
Prefers well-drained soil

**Plant type**  
slender  
medium-tall



2650 CHU (RM 0.4)

# SASKA

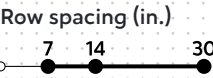
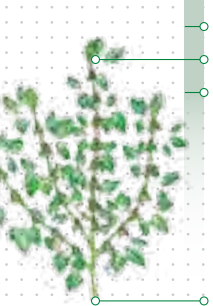
ITS CONSISTENT PERFORMANCE MAKES IT ALWAYS AN EXCELLENT CHOICE

- Prized for its consistently high yields
- Excellent standability and very good tolerance to sclerotinia
- Rapid dry down allows early harvest once full maturity is reached



**Management pointers**  
Performs well in no-till  
Well adapted to all row spacings  
Suitable for all soil types

**Plant type**  
semi-bushy  
medium-short



2700 CHU (RM 0.6)

# MARULA

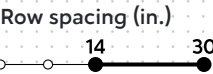
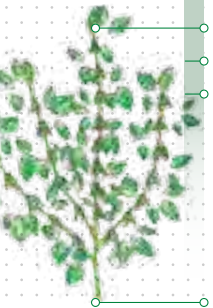
THE MOST COMPLETE IP VARIETY FROM AN AGRONOMIC STANDPOINT AND IN HIGH DEMAND FOR EXPORT

- Appreciated for its high yield potential
- Good tolerance to common soybean diseases
- Good plant fertility
- Healthy plant throughout the season with excellent standability



**Management pointers**  
Performs well in all soil types and crop management systems  
Best adapted to 15" and 30" row spacing  
Well adapted and appreciated in organic management systems

**Plant type**  
semi-bushy  
medium-tall

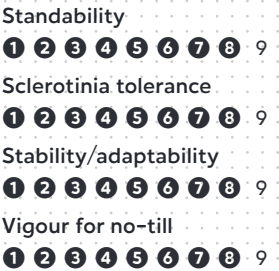


2725 CHU (RM 0.8)

# EZRA

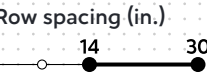
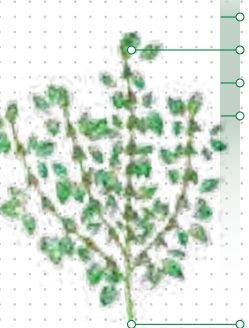
THE VARIETY THAT SETS YIELD STANDARDS IN BOTH QUEBEC AND ONTARIO

- Best performance of its group at RGCQ and OSVT in 2018
- Slightly later than Marula
- Very vigorous plant with good standability
- Good sclerotinia tolerance



**Management pointers**  
Performs well in all soil types  
Well adapted to all crop management systems

**Plant type**  
semi-bushy  
medium-tall



2800 CHU (RM 1.0)

# ACORA

ALWAYS IN HIGH DEMAND AMONG THE PRODUCERS WHO CHOOSE IT

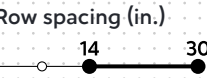
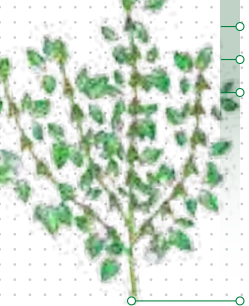
- Excellent plant fertility maximizes yield
- Vigorous and healthy plants
- Tall plant well adapted to no-till
- Stable performance in the most adverse conditions

PREFERRED FOR  
organic  
PRODUCTION



**Management pointers**  
Suitable for all soil types  
Performs well in 15" to 30" rows  
Performs well in all crop management systems

**Plant type**  
semi-bushy  
tall

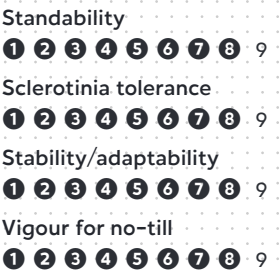


2800 CHU (RM 1.0)

# KARRA

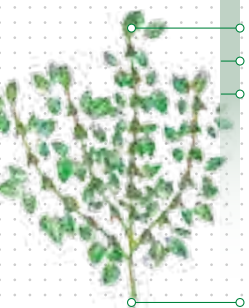
VARIETY THAT OFFERS SOLID PERFORMANCE

- Variety with very good yield potential
- Above-average standability and vigour
- Very good sclerotinia tolerance
- Uniform stem maturity facilitates harvesting



**Management pointers**  
Adapted to 15" and 30" rows  
Suitable for all soil types

**Plant type**  
semi-bushy  
medium-tall





NEW 2825 CHU (RM 1.2)

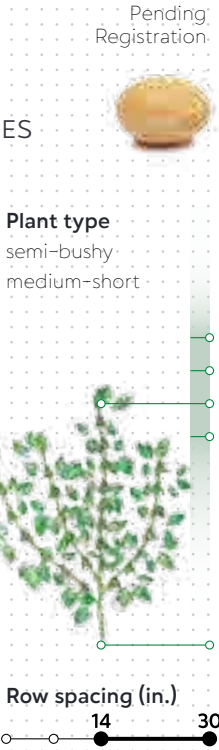
ATENA

NEW VARIETY WITH SUPERIOR AGRONOMIC PERFORMANCE AND GOOD NUTRITIONAL QUALITIES

Variety with undeniable yield potential  
Exceptional standability  
Robust with good branching capacity

Management pointers  
Performs best in rich soils  
Adapted to 15" and 30" row spacing

- 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
- Tolerance to Phytophthora: Rps 1c and 3a
- SCN: no
- Pubescence colour: light brown
- Hilum colour: yellow
- Protein %: 43



2875 CHU (RM 1.4)

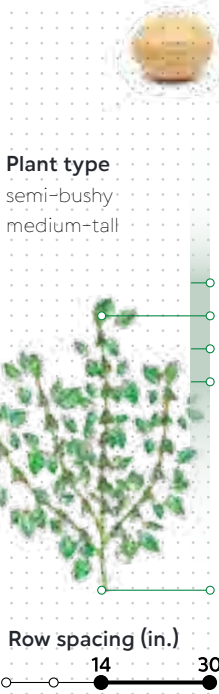
ZANA

LATE-SEASON VARIETY WITH EXCEPTIONAL AGRONOMIC PERFORMANCE

Robust plant with very good standability  
Bushy variety well adapted to 30" row spacing  
Selected for its high performance in our conditions  
Good plant fertility ensuring consistent yields

Management pointers  
Adapted to all crop management practices  
Best adapted to 15" and 30" row spacing

- 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
- Tolerance to Phytophthora: Rps 3a
- SCN: no
- Pubescence colour: brown
- Hilum colour: yellow
- Protein %: 39



Pending Registration

The right population:

Guarantee of optimal profitability

Not all soybeans cultivars respond in the same way to different populations; that's why it's important to plant the recommended density of each variety. At Prograin's Research Centre, we conduct rigorous population testing on our different varieties. The tables provided in the seed guide list the recommended populations for 7", 14" and 30" row spacings in order to obtain an optimal yield. The number of seeds/ha or seeds/ac allows you to determine the seeding rate in kg/ha or lb/ac according to the seed size indicated on the seed bags, or the weight of your seed bags. You must choose between imperial or metric without mixing the two. Here's an example of the calculation:

CALCULATION OF SEEDING RATES  
EXAMPLE (MARULA)

1	Row spacing:	14 IN
2	Target population:	475,000 S/HA
3	Seed size:	5,000 S/KG
4	Number of seeds per bag:	110,000 S/BAG

METHOD N° 1

475 000 S/HA	→	4.32 BAGS/HA
110 000 S/BAG		
110 000 S/BAG	→	22 KG/BAG
5 000 S/KG		
4,32 BAGS/HA X 22 KG/BAG =		95 KG/HA

METHOD N° 2

475 000 S/HA	→	95 KG/HA
5 000 S/KG		

CONVERSION

95 KG/HA X 0,89 =	84.67 LB/AC
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LEGEND Δ= RECOMMENDED SEED SPACING S= SEEDS	METRIC SYSTEM KG= KILOGRAM HA= HECTARE LIN M= LINEAR METRE	IMPERIAL SYSTEM LB= POUND AC= ACRE LIN FT= LINEAR FOOT	SEEDS PER BAG HANA, TAURUS, BLACK GOLD, BAKARA: 1 BAG = 110,000 S PLATINA, HAKATA: 1 BAG = 100,000 S KONATTO, QUENATTO: 1 BAG = 260,000 S ALL IP VARIETIES: 1 BAG = 110,000 S
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prograin.ca

QUALI-PRO VARIETIES

VARIETIES	CHU (RM)	Δ	S/KG	S/HA	BAGS/HA	S/LIN M	S/LB	S/AC	BAGS/AC	S/LIN FT
HANA	2,575 (0.1)	7 14 30	5,200 – 5,600	550,000 500,000 407,000	5.00 4.55 3.70	9.6 17.5 30.5	2,358 – 2,540	222,672 202,429 164,777	1.59 1.45 1.18	2.9 5.3 9.3
KONATTO	2,600 (0.3)	7 14	12,000 – 14,000	555,000 525,000	2.13 2.02	9.7 18.4	5,442 – 6,349	224,696 212,551	1.60 1.52	3.0 5.6
TAURUS	2,650 (0.5)	7 14	4,600 – 5,300	490,000 475,000	4.45 4.32	8.6 16.6	2,085 – 2,404	198,381 192,308	1.42 1.37	2.6 5.1
QUENATTO	2,700 (0.6)	7 14	9,000 – 11,000	540,000 515,000	2.08 1.98	9.5 18	4,082 – 4,989	218,623 208,502	1.56 1.49	2.9 5.5
BLACK GOLD NEW!	2,700 (0.7)	14 30	5,600 – 6,200	475,000 395,000	4.75 3.95	16.6 29.6	2,540 – 2,812	192,308 159,919	1.37 1.14	5.1 9.0
PLATINA	2,700 (0.7)	7 14	4,000 – 4,600	490,000 475,000	4.90 4.75	8.6 16.6	1,814 – 2,086	198,381 192,308	1.42 1.37	2.6 5.1
HAKATA	2,750 (0.9)	14 30	3,400 – 4,200	475,000 370,000	4.75 3.70	16.6 27.8	1,542 – 1,905	192,308 149,798	1.37 1.07	5.1 8.5
BAKARA	2,850 (1.3)	14 30	4,400 – 5,000	475,000 370,000	4.32 3.36	16.6 27.8	1,995 – 2,266	192,308 149,798	1.37 1.07	5.1 8.5
SIBERIA	2,375 (000.6)	7 14	5,600 – 6,200	550,000 500,000	5.00 4.55	9.6 17.5	2,540 – 2,812	222,672 202,429	1.59 1.45	2.9 5.3
SASKA	2,650 (0.4)	7 14 30	5,200 – 5,800	500,000 475,000 395,000	4.55 4.32 3.59	8.8 16.6 29.6	2,358 – 2,630	202,429 192,308 159,919	1.45 1.37 1.14	2.7 5.1 9.0
MARULA	2,700 (0.6)	7 14 30	4,500 – 5,300	500,000 475,000 370,000	4.55 4.32 3.36	8.8 16.6 27.8	2,041 – 1,587	202,429 192,308 149,798	1.45 1.37 1.07	2.7 5.1 8.5
EZRA	2,725 (0.8)	14 30	4,600 – 5,200	475,000 370,000	4.32 3.36	16.6 27.8	2,086 – 2,358	192,308 149,798	1.37 1.07	5.1 8.5
ACORA	2,800 (1.0)	14 30	5,700 – 5,300	475,000 370,000	4.32 3.36	16.6 27.8	2,132 – 2,404	192,308 149,798	1.37 1.07	5.1 8.5
KARRA	2,800 (1.0)	14 30	4,800 – 5,400	475,000 370,000	4.32 3.36	16.6 27.8	2,177 – 2,449	192,308 149,798	1.37 1.07	5.1 8.5
ATENA NEW!	2,825 (1.2)	14 30	4,000 – 5,600	475,000 370,000	4.32 3.36	16.6 27.8	2,814 – 2,086	192,308 149,798	1.37 1.07	5.1 8.5
ZANA	2,875 (1.4)	14 30	5,500 – 5,100	475,000 370,000	4.32 3.36	16.6 27.8	2,041 – 2,313	192,308 149,798	1.37 1.07	5.1 8.5

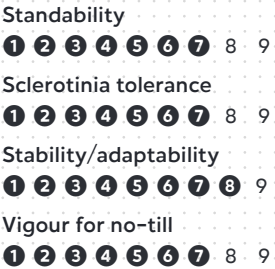
YOUR CALCULATION	METHOD N° 1	METHOD N° 2
1 Row spacing: IN	S/HA → BAGS/HA	S/HA → KG/HA
2 Target population: S/HA	S/BAG → KG/BAG	S/KG → KG/HA
3 Seed size: S/KG	BAGS/HA X KG/BAG = KG/HA	KG/HA X 0.89 = LB/AC
4 Number of seeds per bag: S/BAG		
YOUR CALCULATION	METHOD N° 1	METHOD N° 2
1 Row spacing: IN	S/HA → BAGS/HA	S/HA → KG/HA
2 Target population: S/HA	S/BAG → KG/BAG	S/KG → KG/HA
3 Seed size: S/KG	BAGS/HA X KG/BAG = KG/HA	KG/HA X 0.89 = LB/AC
4 Number of seeds per bag: S/BAG		

NEW 2475 CHU (RM 00.7)

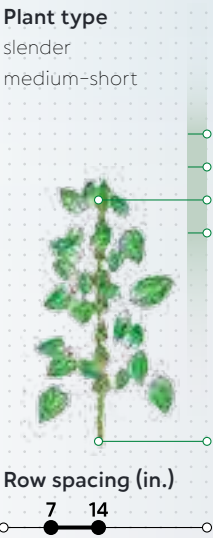
# ELMO E3

THE EARLIEST SEASON NEW ENLIST E3 VARIETY ON THE MARKET

- Very good yield potential for its maturity
- Above-average tolerance to sclerotinia
- Variety that offers good initial vigour
- Medium-tall plant with a slender profile



Management pointers  
Suitable for all soil types  
Prefers spacing of less than 15"



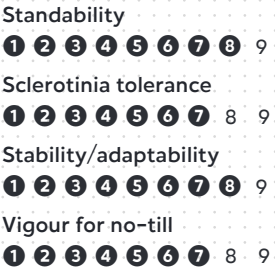
Tolerance to *Phytophthora*: Rps 1a  
SCN: yes  
Pubescence colour: grey  
Hilum colour: light brown  
Protein %: 39

NEW 2625 CHU (RM 0.3)

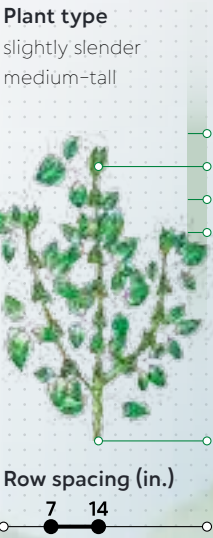
# ENZO E3

NEW ENLIST E3 VARIETY TO DISCOVER FOR EVEN GREATER FLEXIBILITY WITH RESPECT TO WEED CONTROL

- Very good yield potential combined with stable performance
- Excellent vigour, ensuring an excellent spring start
- Good adaptability to different environments



Management pointers  
Suitable for all soil types  
Opt for 15" row spacing



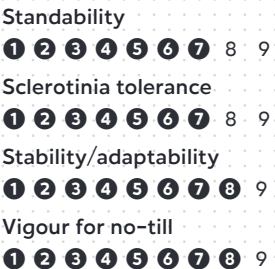
Tolerance to *Phytophthora*: Rps 1a  
SCN: yes  
Pubescence colour: grey  
Hilum colour: light brown  
Protein %: 41

NEW 2825 CHU (RM 1.1)

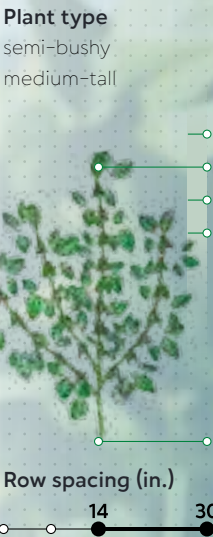
# ECHO E3

PROMISING NEW LATE-MATURING ENLIST E3 VARIETY

- Very good natural tolerance to phytophthora
- Variety with high tolerance under adverse conditions
- Uniform quick start
- Very high flexibility in the choice of a weed control program



Management pointers  
Performs well in all soil types and crop management systems  
Suitable for row spacings of 15" and more



Tolerance to *Phytophthora*: Rps 1c  
SCN: yes  
Pubescence colour: grey  
Hilum colour: imperfect black  
Protein %: 42



Innovative exclusive features

3 GMO VARIETIES  
FROM 2475 TO 2825 CHU

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!

ELMO E3  
ENZO E3  
ECHO E3



Advantageous crop rotation

BREAD WHEAT

# AC BRIO

THE BREAD WHEAT THAT HAS PROVEN ITSELF IN EASTERN CANADA

- Hard red spring wheat, slightly awnless

Very good standability

Average height
- Early heading and maturity

High specific weight

Very good falling number

Management pointers

Maximum nitrogen fertilization: 120 to 150 kg/ha including 50 to 70 applied at seeding  
Good soil preparation important to obtain an even stand  
Avoid wheat production following corn or other cereals to reduce the risk of Fusarium development.

- Seeding density:

Weight of a thousand seeds:

7" spacing:
- 500 seeds/m²

39.7 g

198.5 kg/ha

To increase your crop yield, Prograin brand inoculant is a profitable choice.

It gives your soybean crop all the power it needs to develop its full potential by stimulating nodulation and increasing plant vigour.

BREAD WHEAT

# FUZION

HIGH-YIELD BREAD WHEAT

- Hard red spring wheat, slightly awnless

Excellent natural tolerance to Fusarium

Tall plant
- Mid-late maturity and heading time

High specific weight

Management pointers

Maximum nitrogen fertilization: 105 to 130 kg/ha including 50 to 70 applied at seeding  
Watch out for lodging in intensive crop management situations or in very rich soil  
Avoid wheat production following corn or other cereals to reduce the risk of Fusarium development.

- Seeding density:

Weight of a thousand seeds:

7" spacing:
- 500 seeds/m²

39.4 g

197 kg/ha

LIQUID INOCULANT

# TURBO-N2™

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 2.25 kg treats 750 kg of seed (+30 bags depending on seed size or the equivalent of a large tote bag of Prograin soybean seeds)

6-RW BARLEY

# CHAMBLY

RECOGNIZED FOR ITS RESISTANCE TO LODGING

- Excellent yield

Exceptional standability

Semi-late ripening
- Large seed

Medium length straw

Management pointers

Good soil preparation is important to obtain an even stand

- Seeding density:

Weight of a thousand seeds:

E7" spacing:
- 500 seeds/m²

470 g

155 kg/ha

PEAT INOCULANT

# TURBO-N2™

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 seed bags depending on seed size)



A technology that has proven its worth in the field

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

7 GMO VARIETIES

FROM 2525 TO 2850 CHU

KENDO R2

ASTRO R2

SALTO R2

VERTIGO R2

MIKO R2

MAXO R2

VOLCANO R2

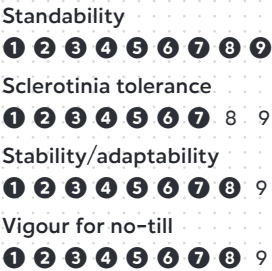
Prograin Roundup Ready 2 Yield® soybeans are the result of a combination of high-tech features that deliver the performance you seek.

2525 CHU (RM 00.8)

# KENDO R2

ROBUST VARIETY WITH AN EXCELLENT SPRING START

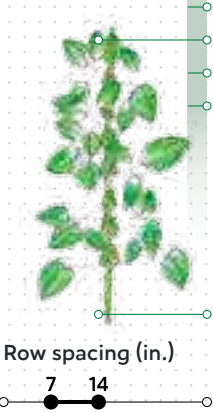
- Variety with excellent yield potential
- Tall, slender plant with above-average first pod height
- Healthy stems until the end of the season ensuring excellent standability
- Good vigour and aggressive development throughout the season



**Management pointers**  
Well suited to all soil types  
Performs better in narrow rows  
Sow in its maturity zone to maximize yield

**Tolerance to *Phytophthora*:** Rps 1c  
**SCN:** no  
**Pubescence colour:** brown  
**Hilum colour:** grey  
**Protein %:** 42

**Plant type**  
slender  
medium-tall

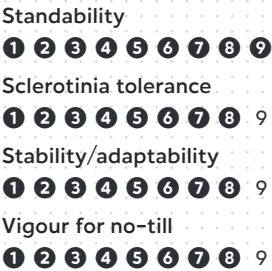


2750 CHU (RM 0.8)

# VERTIGO R2

A VARIETY THAT WILL OFFER YOU THE PERFORMANCE YOU EXPECT

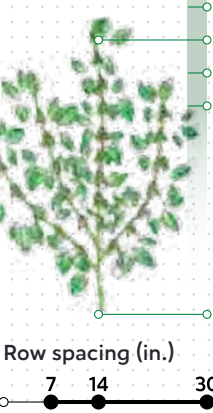
- Very good potential return
- Medium-tall plant with excellent standability
- Healthy plant throughout the season
- Good tolerance to sclerotinia



**Management pointers**  
Outstanding in rich soil

**Tolerance to *Phytophthora*:** Rps 1c  
**SCN:** yes  
**Pubescence colour:** light brown  
**Hilum colour:** black  
**Protein %:** 41

**Plant type**  
semi-bushy  
medium-tall

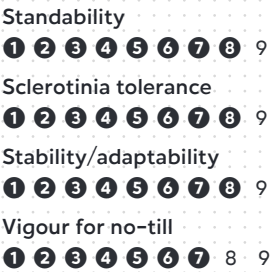


2550 CHU (RM 00.9)

# ASTRO R2

THE VARIETY THAT OFFERS CONSISTENCY AND PERFORMANCE YEAR AFTER YEAR

- High and stable yield
- Above-average first pod height and excellent standability make it easier to harvest
- Taller-than-average and a rather slender plant
- Appreciated after cutting hay in late-maturity zones



**Management pointers**  
Performs well in all soil types  
Better adaptability to narrow rows

**Tolerance to *Phytophthora*:** Rps 1k  
**SCN:** no  
**Pubescence colour:** brown  
**Hilum colour:** black  
**Protein %:** 41

**Plant type**  
slender  
medium-tall

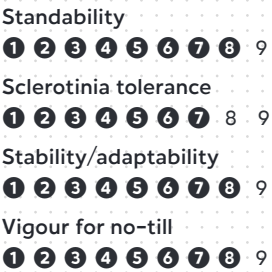


2750 CHU (RM 0.8)

# MIKO R2

A DOMINANT VARIETY WITH A YIELD THAT WILL SURPRISE YOU

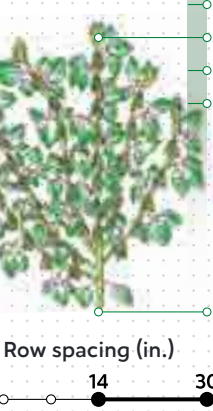
- Vigorous variety with a good spring start
- Recognized for its excellent yield potential
- Bushy plant, well suited for 30" seedings



**Management pointers**  
Be careful, adjust populations downward in environments with high yield potential  
Performs well in all types of soils

**Tolerance to *Phytophthora*:** Rps 1c  
**SCN:** no  
**Pubescence colour:** light brown  
**Hilum colour:** brown  
**Protein %:** 39

**Plant type**  
bushy  
medium-tall



2625 CHU (RM 0.4)

# SALTO R2

HIGH-PERFORMANCE VARIETY, EVEN UNDER ADVERSE CONDITIONS

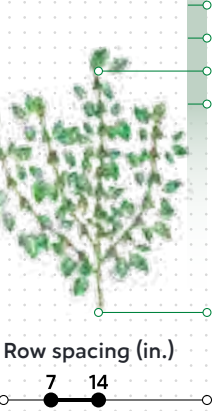
- High yield potential
- Stands out for its excellent tolerance to sclerotinia
- Good tolerance to root diseases
- Short plant with above-average standability



**Management pointers**  
Well adapted to fertile soils  
Opt for 15" spacing

**Tolerance to *Phytophthora*:** Rps 1c  
**SCN:** no  
**Pubescence colour:** brown  
**Hilum colour:** brown  
**Protein %:** 40

**Plant type**  
semi-bushy  
medium-short



2825 CHU (RM 1.1)

# MAXO R2

ALWAYS IN HIGH DEMAND FOR ITS EXCEPTIONAL FIELD PERFORMANCE

- Good size, robust and bushy plant
- Excellent potential yield
- Among the leading group for its tolerance to sclerotinia
- Its very good standability and healthy stem facilitate harvesting



**Management pointers**  
Excellent variety for no-till seeding every 30"  
Performs well in low populations  
Sow in well-drained soils

**Tolerance to *Phytophthora*:** No gene  
**SCN:** no  
**Pubescence colour:** brown  
**Hilum colour:** brown  
**Protein %:** 40

**Plant type**  
bushy  
medium-tall



2850 CHU (RM 1.3)

# VOLCANO R2

LATE-SEASON VARIETY THAT WILL OFFER  
THE PERFORMANCE YOU EXPECT

Selected for its high yield potential  
Bushy plant with aggressive development  
Performs well in environments with high and low yield potential  
Offers a great start in the spring

## Management pointers

Sow in well-drained soil  
Sow in wide rows, more than 20"  
Be careful, adjust populations downward in high potential yield environments

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

Tolerance to *Phytophthora*: no gene

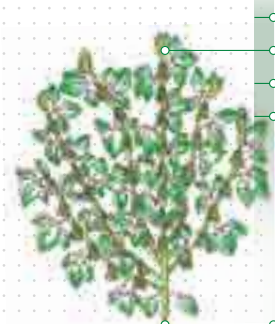
SCN: no

Pubescence colour:  
light brown

Hilum colour:  
black

Protein %: 40

Plant type  
bushy  
medium-tall



Row spacing (in.)  
14 30

**ROUNDUP READY 2**  
**X TEND**  
**SOYBEANS**

**Optimal  
synergy for  
maximum  
efficiency**

## 9 GMO VARIETIES

FROM 2375 TO 2900 CHU

FRESCO R2X

DUGALDO R2X

RICO R2X

YOKO R2X

DONALDO R2X

DRACO R2X

COSTO R2X

DOFINO R2X

RONDO R2X

**Prograin takes its social  
responsibility for the  
protection of pollinating  
insects to heart.**

We take the recommendations of specialists on neonicotinoids seriously. That's why since 2019, Prograin offers new seed treatments made with a new formula in accordance with the requirements and new measures put in place by the various provincial governments.

**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 2375 CHU (RM 000.7)

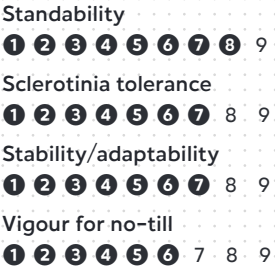
# FRESCO R2X

NEW VERY EARLY-SEASON AND TOP-PERFORMING VARIETY

Pending  
Registration



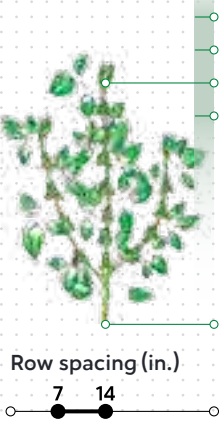
Fairly compact plant with very good standability  
Excellent yield for its maturity  
Good natural tolerance to phytophthora and sclerotinia



Management pointers  
Avoid heavy soils  
Better adapted to narrow rows and high populations

Tolerance to *Phytophthora*: Rps 1a  
SCN: no  
Pubescence colour: brown  
Hilum colour: black  
Protein %: 39.8

Plant type  
slightly slender  
medium-short



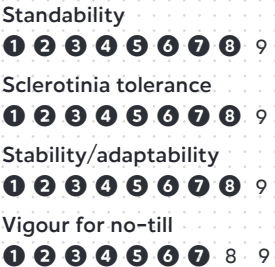
2450 CHU (RM 00.5)

# DUGALDO R2X

A HIGH-PERFORMANCE VARIETY ADAPTED TO EARLY-SEASON ZONES



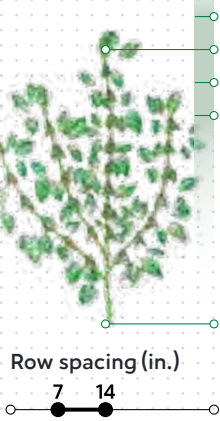
High yield potential  
Excellent performance in all growing conditions  
Very good tolerance to sclerotinia  
Good branching capacity for an early-season variety



Management pointers  
Could be sown in 30" rows under specific conditions  
Suitable for all soil types

Tolerance to *Phytophthora*: no gene  
SCN: no  
Pubescence colour: light brown  
Hilum colour: imperfect yellow  
Protein %: 42.2

Plant type  
semi-bushy  
medium-tall



NEW 2575 CHU (RM 0.1)

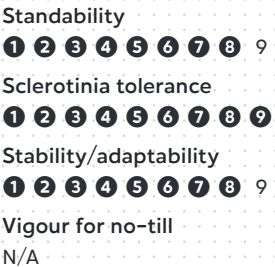
# RICO R2X

NEW VARIETY THAT OFFERS EXCELLENT TOLERANCE TO COMMON SOYBEAN DISEASES

Pending  
Registration



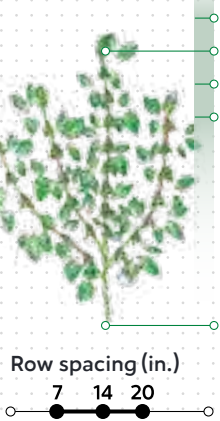
Variety with excellent yield potential  
Exceptional standability  
Very good tolerance to sclerotinia



Management pointers  
Performs best in rows of less than 20"  
Well adapted to fertile and very fertile areas

Tolerance to *Phytophthora*: Rps 1c  
SCN: yes  
Pubescence colour: grey  
Hilum colour: light brown  
Protein %: 40

Plant type  
semi-bushy  
medium-tall



NEW 2600 CHU (RM 0.2)

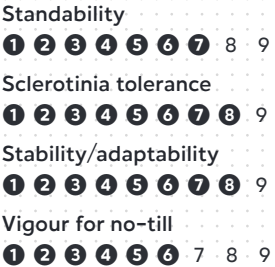
# YOKO R2X

A NEW VARIETY WITH SOUGHT-AFTER AGRONOMIC QUALITIES

Pending  
Registration



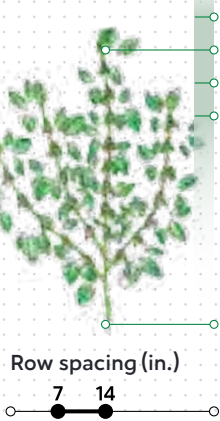
Excellent yield potential for its maturity  
A fairly bushy variety with good standability  
Offers a good start in the spring  
Superior tolerance to sclerotinia



Management pointers  
Performs well in all soil types  
Prefer 15" row spacing

Tolerance to *Phytophthora*: Rps 1k  
SCN: no  
Pubescence colour: light brown  
Hilum colour: black  
Protein %: 41

Plant type  
semi-bushy  
medium-tall



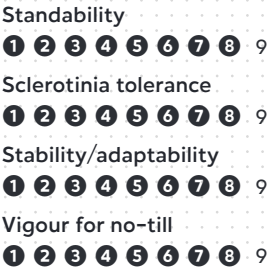
2600 CHU (RM 0.2)

# DONALDO R2X

A VARIETY THAT OFFERS STABLE PERFORMANCE



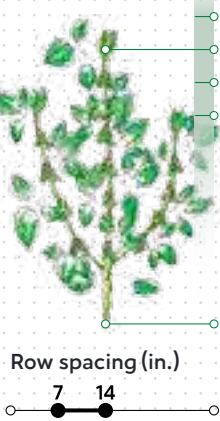
Good yield potential and very good tolerance to sclerotinia  
Above-average performance  
Medium-sized plant with a slightly bushy profile  
Variety that offers an advantage in challenging areas



Management pointers  
Demonstrates good adaptability in both heavy and light soils  
Above average for spring vigour  
Perform best at 7" to 15" spacing

Tolerance to *Phytophthora*: Rps 1c  
SCN: no  
Pubescence colour: light brown  
Hilum colour: black  
Protein %: 38.6

Plant type  
slightly slender  
medium-tall



2725 CHU (RM 0.7)

# DRACO R2X

VARIETY THAT OFFERS EXCELLENT PERFORMANCE AND TOLERANCE TO COMMON SOYBEAN DISEASES



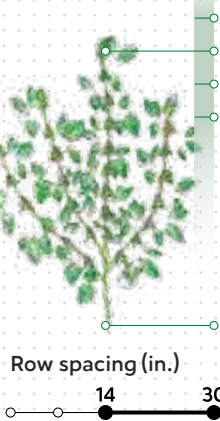
Very high potential yield  
Medium height plant with very good standability  
Above-average natural tolerance to phytophthora  
Good branching capacity



Management pointers  
Well suited for no-till  
Sow in rows from 15" to 30"

Tolerance to *Phytophthora*: Rps 1c and 3a  
SCN: yes  
Pubescence colour: light brown  
Hilum colour: black  
Protein %: 40.3

Plant type  
semi-bushy  
medium-tall



NEW 2800 CHU (RM 1.0)

COSTO R2X

NEW HIGH-PERFORMANCE VARIETY THAT IS DOMINANT FROM THE BEGINNING TO THE END OF THE SEASON

- Excellent yield potential
- Rapid and impressive crop development
- Slightly taller-than-average plant
- Plant with excellent spring vigour

Pending Registration

Standability

1 2 3 4 5 6 7 8 9

Sclerotinia tolerance

1 2 3 4 5 6 7 8 9

Stability/adaptability

N/A

Vigour for no-till

1 2 3 4 5 6 7 8 9

**Management pointers**  
Suitable for all types of soil  
Opt for spacing of 15 inches or more  
Adapt the population to the decline in more fertile soil

**Tolerance to *Phytophthora*:** Rps 1c and 3a  
**SCN:** no  
**Pubescence colour:** light brown  
**Hilum colour:** brown  
**Protein %:** 43

Plant type

semi-bushy  
medium-tall

Row spacing (in.)

14

30

2850 CHU (RM 1.2)

DOFINO R2X

MORE ROBUST AND BUSHY VARIETY THAN MAXO R2

- Will be known for its high and consistent performance
- Good spring start
- Tall plant with very good branching capacity
- Excellent behaviour against phytophthora

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**  
Well adapted to minimum tillage and direct seeding  
Performs well in low population

**Tolerance to *Phytophthora*:** Rps 1k and 3a  
**SCN:** no  
**Pubescence colour:** light brown  
**Hilum colour:** imperfect black  
**Protein %:** 40.2

Plant type

semi-bushy  
medium-tall

Row spacing (in.)

14

30

NEW 2900 CHU (RM 1.5)

RONDO R2X

NEW LATE-SEASON VARIETY WITH A COMBINATION OF DEFENSIVE TRAITS AND VERY GOOD YIELD POTENTIAL

- Ideal for late-season areas
- Variety with a good spring start and good standability
- Tall plant with good branching capacity
- Good tolerance to common soybean diseases

En attente d'enregistrement

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**  
Suitable for all soil types  
Opt for row spacing of 15" or more  
NKS resistance gene

**Tolerance to *Phytophthora*:** Rps 1c and 3a  
**SCN:** yes  
**Pubescence colour:** light brown  
**Hilum colour:** brown  
**Protein %:** 40.05

Plant type

bushy  
medium-tall

Row spacing (in.)

14

30

LEGEND	METRIC SYSTEM	IMPERIAL SYSTEM	SEEDS PER BAG
Δ= RECOMMENDED	KG = KILOGRAM	LB= POUND	1 BAG = 140,000 SEEDS
SEED SPACING	HA = HECTARE	AC= ACRE	
S= SEEDS	LIN M= LINEAR METRE	LIN FT= LINEAR FOOT	

ROUNDUP READY 2 YIELD® VARIETIES

VARIETIES	CHU (RM)	Δ	S/KG	S/HA	BAGS/HA	S/LIN M	S/LB	S/AC	BAGS/AC	S/LIN FT
KENDO R2	2,525 (00.8)	7 14	4,800 – 5,500	500,000 465,000	3.57 3.32	8.8 16.3	2,177 – 2,494	202,429 188,259	1.45 1.34	2.7 5.0
ASTRO R2	2,550 (00.9)	7 14	5,600 – 6,200	500,000 465,000	3.57 3.32	8.8 16.3	2,540 – 2,812	202,429 188,259	1.45 1.34	2.7 5.0
SALTO R2	2,625 (0.4)	7 14	5,800 – 6,400	500,000 465,000	3.57 3.32	8.8 16.3	2,630 – 2,903	202,429 188,259	1.45 1.34	2.7 5.0
VERTIGO R2	2,750 (0.8)	7 14 30	4,800 – 5,400	465,000 435,000 380,000	3.32 3.11 2.71	8.1 15.2 28.5	2,177 – 2,449	188,259 176,113 153,846	1.32 1.26 1.10	2.5 4.6 8.7
MIKO R2	2,750 (0.8)	14 30	5,900 – 6,500	420,000 350,000	3.00 2.50	14.7 26.3	2,676 – 2,948	170,040 141,700	1.21 1.01	4.5 8.0
MAXO R2	2,825 (1.1)	14 30	5,100 – 5,700	435,000 370,000	3.11 2.64	15.2 27.8	2,313 – 2,585	176,113 149,798	1.26 1.07	4.6 8.5
VOLCANO R2	2,850 (1.3)	14 30	5,100 – 5,700	420,000 350,000	3.00 2.50	14.7 26.3	2,313 – 2,585	170,040 141,700	1.21 1.01	4.5 8.0

ROUNDUP READY 2 XTEND® VARIETIES

FRESCO R2X NEW!	2,375 (000.7)	7 14	4,200 – 4,800	525,000 495,000	3.75 3.54	9.2 17.3	1,905 – 2,177	212,551 200,405	1.52 1.43	2.8 5.3
DUGALDO R2X	2,450 (00.5)	7 14	5,300 – 5,900	500,000 465,000	3.57 3.32	8.8 16.3	2,585 – 2,857	202,429 188,259	1.45 1.34	2.7 5.0
RICO R2X NEW!	2,575 (0.1)	7 14	5,700 – 6,300	500,000 465,000	3.57 3.32	8.8 16.3	2,585 – 2,857	202,429 188,259	1.45 1.34	2.7 5.0
DONALDO R2X	2,600 (0.2)	7 14	5,700 – 6,300	500,000 465,000	3.57 3.32	8.8 16.3	2,585 – 2,857	202,429 188,259	1.45 1.34	2.7 5.0
YOKO R2X NEW!	2,600 (0.2)	7 14	5,000 – 5,600	500,000 465,000	3.57 3.32	8.8 16.3	2,268 – 2,540	202,429 188,259	1.45 1.34	2.7 5.0
DRACO R2X	2,725 (0.7)	7 14 30	5,000 – 5,500	475,000 450,000 370,000	3.39 3.21 2.64	8.3 15.8 27.8	2,268 – 2,494	192,308 182,186 149,798	1.37 1.30 1.07	2.5 4.8 8.5
COSTO R2X NEW!	2,800 (1.0)	14 30	5,000 – 5,700	450,000 370,000	3.21 2.64	15.8 27.8	2,268 – 2,585	182,186 149,798	1.30 1.07	4.8 8.5
DOFINO R2X	2,850 (1.2)	14 30	5,700 – 6,500	450,000 370,000	3.21 2.64	15.8 27.8	2,585 – 2,948	182,186 149,798	1.30 1.07	4.8 8.5
RONDO R2X NEW!	2,900 (1.5)	14 30	5,000 – 5,700	450,000 370,000	3.21 2.64	15.8 27.8	2,268 – 2,585	182,186 149,798	1.30 1.07	4.8 8.5

ENLIST E3™ VARIETIES

ELMO E3 NEW!	2,475 (00.7)	7 14	6,600 – 7,100	525,000 495,000	3.75 3.54	9.2 17.3	2,993 – 3,220	212,551 200,405	1.52 1.43	2.8 5.3
ENZO E3 NEW!	2,625 (0.3)	7 14	6,000 – 6,600	500,000 465,000	3.57 3.32	8.8 16.3	2,721 – 2,993	202,429 188,259	1.45 1.34	2.8 5.3
ECHO E3 NEW!	2,825 (1.1)	14 30	6,000 – 6,600	450,000 370,000	3.21 2.64	15.8 27.8	2,721 – 2,993	182,186 149,798	1.30 1.07	4.8 8.5

YOUR CALCULATION

- 1 Row spacing:  IN
- 2 Target population:  S/HA
- 3 Seed size:  S/KG
- 4 Number of seeds per bag:  S/BAG

METHOD N° 1

S/HA

→

BAGS/HA

S/BAG

→

KG/BAG

BAGS/HA × KG/BAG

→

KG/HA

METHOD N° 2

S/HA

→

KG/HA

KG/HA × 0.89

→

LB/AC

CONVERSION



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The agronomic content of the 2020 Seed Guide was prepared and verified by agronomists Maxime Gratton, Philippe Lemaître, Alexandre Tessier and Marc Saumure.

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# 2020

**Seed Guide**