

Seed Guide



2021
Eastern Canada

**Progress.
Profits.
Prograin.**



Quali-Pro



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.

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 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

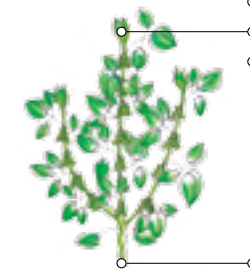
Vigour for no-till

1 2 3 4 5 6 7 8 9

Plant

Slightly slender

Medium-short



Row spacing (in)

7 14 30 organic

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



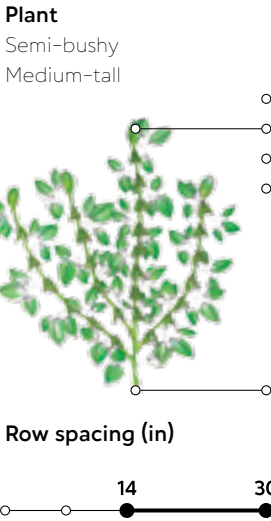
Leading variety on export markets

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



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

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)



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

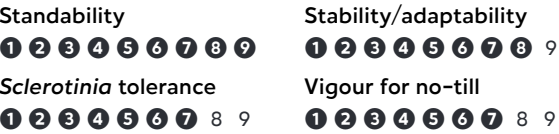
MAYA

● 2475 CHU (RM 00.7)
HIGH PROTEIN



Performs well agronomically and financially in its maturity zone

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

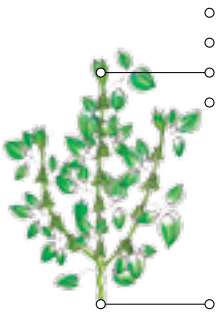


Phytophthora resistance: No
SCN: Sensitive
Hilum colour: Yellow
Pubescence colour: Light brown
Protein: 45 %

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

Row spacing (in)
7 14

NEW



Plant
Slightly slender
Medium-short

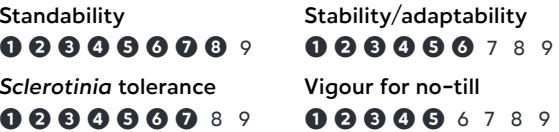
KONATTO

● 2600 CHU (RM 0.3)
NATTO



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

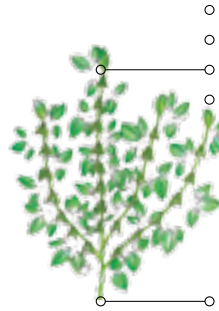
Highly valued and in great demand on export markets
Excellent plant fertility, very good standability
Ripens well for early harvest
Good Sclerotinia tolerance for a Natto type



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

Row spacing (in)
7 14



Plant
Semi-bushy
Medium-short

SAKI

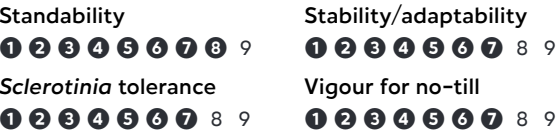
● 2650 CHU (RM 0.5)
NATTO



* Pending registration

Ideal for developing a new export market

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

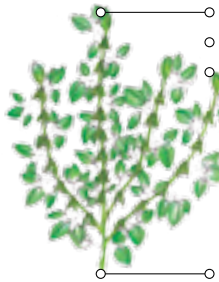


Phytophthora resistance: No
SCN: Sensitive
Hilum colour: Yellow
Pubescence colour: Light brown
Protein: 39 %

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

Row spacing (in)
7 14

NEW



Plant
Semi-bushy
Medium-tall

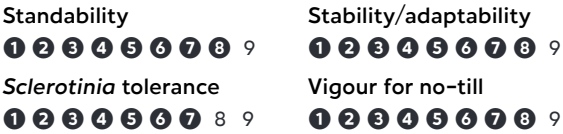
TAURUS

● 2650 CHU (RM 0.5)
HIGH PROTEIN

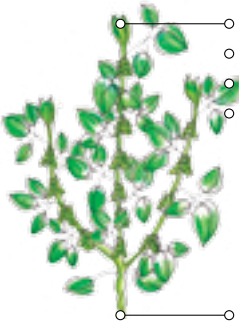


Nutritional qualities make this a great variety for the export market

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

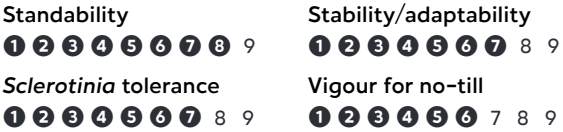
QUENATTO

● 2700 CHU (RM 0.6)
NATTO

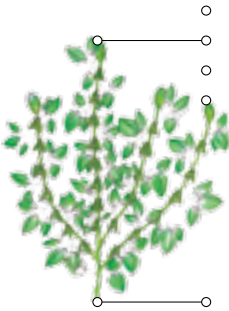


Unsurpassed Natto-type yield

Excellent yields for a Natto type
Unrivalled 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

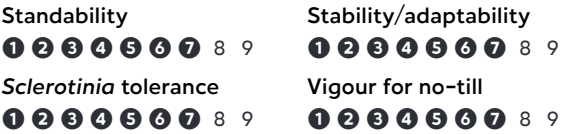
BLACK GOLD

● 2700 CHU (RM 0.7)
BLACK SOY

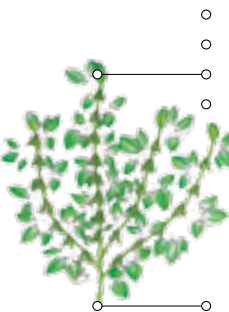


Black seed coat, green pulp... a unique variety in Canada

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*

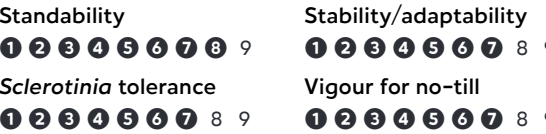
● 2700 CHU (RM 0.7)
TOFU



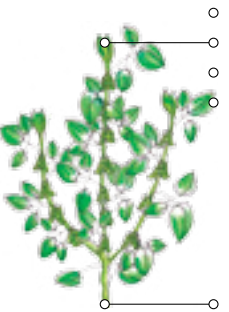
* Pending registration

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

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

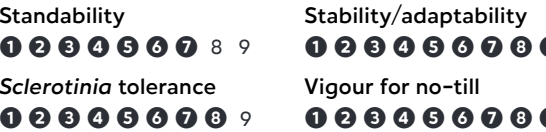
BAKARA

● 2850 CHU (RM 1.3)
HIGH PROTEIN

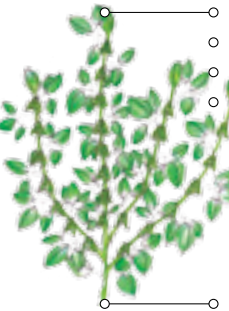


Hardy and vigorous, excellent performance in no-till

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® 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).

NON
GMO

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

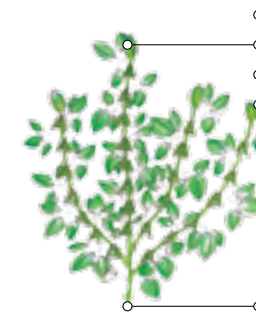
Pubescence colour: Brown

Protein: 42 %

Plant

Semi-bushy

Medium-tall



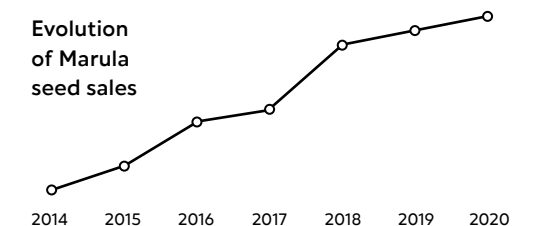
Row spacing (in)



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

● 2375 CHU (RM 00.2)

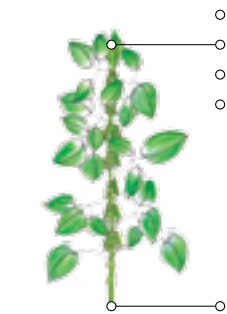
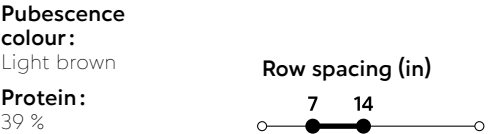
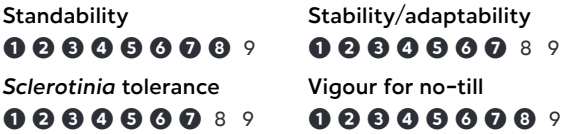


N° 1 early variety in Hébertville, according to RGCQ 2-year summary

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



Plant
Slender
Medium-tall

ASANA*

● 2700 CHU (RM 0.6)



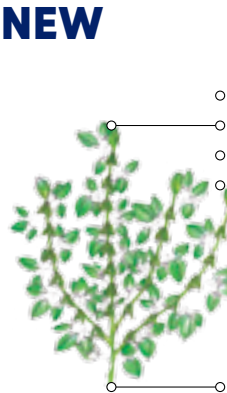
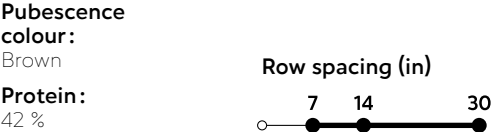
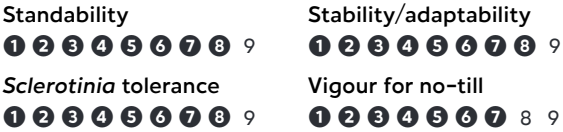
* Pending registration

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

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



Plant
Semi-bushy
Medium-tall

EZRA

● 2725 CHU (RM 0.8)

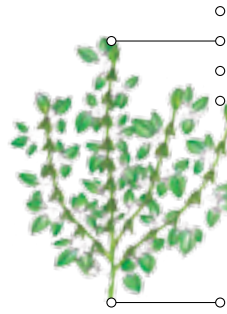
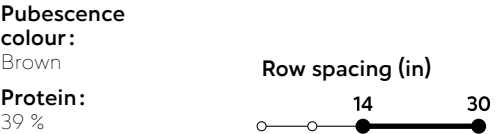
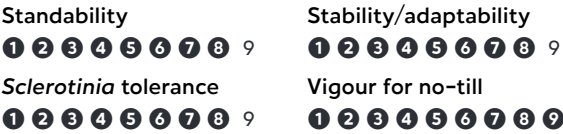


Highest yield in Québec as well as Ontario

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



Plant
Semi-bushy
Medium-tall

ACORA

● 2800 CHU (RM 1.0)

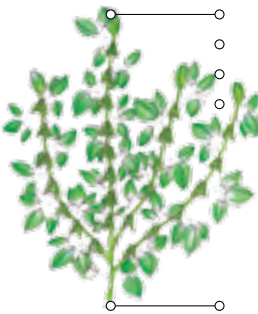
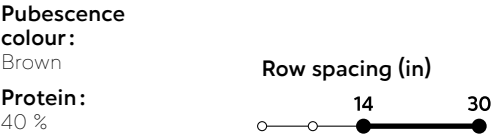
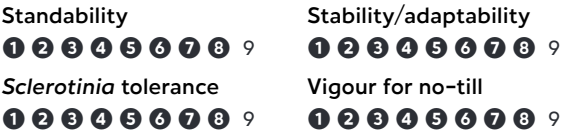


Widely appreciated for its remarkably stable performance

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



Plant
Semi-bushy
Tall

ATENA

● 2825 CHU (RM 1.2)

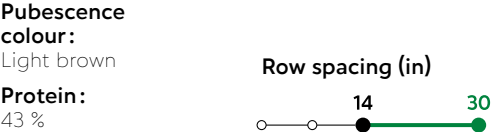
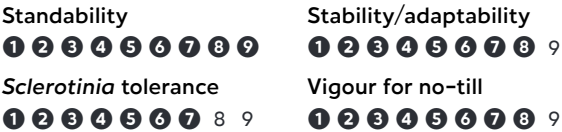


Superior agronomic performance, surprising nutritional qualities

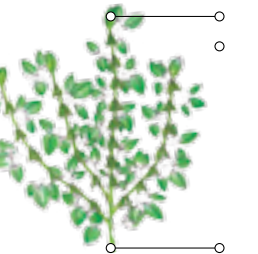
Superior yield potential
Remarkable standability
Robust plant with good branching capacity

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



PREFERRED FOR
organic
PRODUCTION



Plant
Semi-bushy
Medium-short

ZANA

● 2875 CHU (RM 1.4)

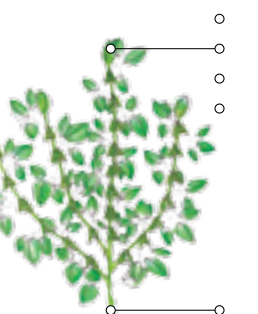
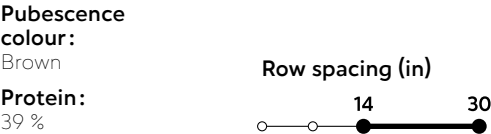
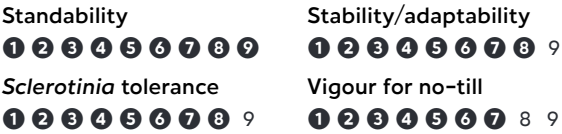


Late maturing variety with exceptional agronomic performance

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



Plant
Semi-bushy
Medium-tall



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



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^{MC}

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/m²
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 other grain to reduce risk of Fusarium development

FUZION

● BREAD WHEAT

High yield, medium late maturing bread wheat

Seeding density : 500 seeds/m²
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/m²
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

ENYO E3

● 2750 CHU (RM 0.8)



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

NEW

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

Phytophthora resistance:
Good natural tolerance

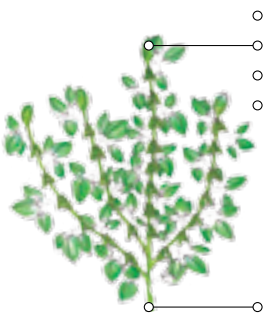
SCN:
Yes

Hilum colour:
Buff

Pubescence colour:
Grey

Protein:
41 %

Management Pointers
Adapted to all soil types
Optimal spacing 15 in

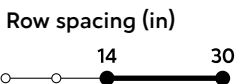


Standability
1 2 3 4 5 6 7 8 9

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

ELMO E3

● 2475 CHU (RM 00.7)



The earliest maturing Enlist E3 variety on the market

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

Phytophthora resistance:
Rps 1a

SCN:
Yes

Hilum colour:
Light brown

Pubescence colour:
Grey

Protein:
39 %

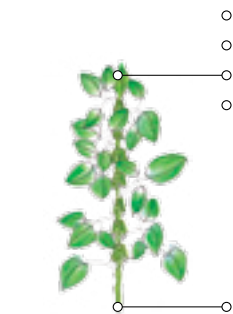
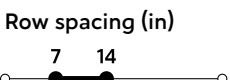
Management Pointers
Sow in all soil types
Optimal spacing less than 15 in

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
Slender
Medium-short

ENZO E3

● 2625 CHU (RM 0.3)



Enlist E3 variety offering even greater flexibility for weed control

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

Phytophthora resistance:
Rps 1a

SCN:
Yes

Hilum colour:
Light brown

Pubescence colour:
Grey

Protein:
41 %

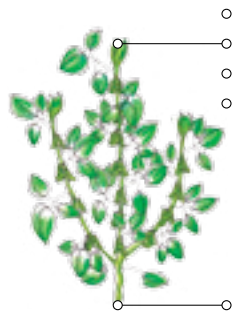
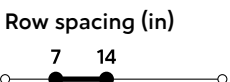
Management Pointers
Sow in all soil types
Prefers 15 inch spacing

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



Plant
Slightly slender
Medium-tall

ECHO E3

● 2825 CHU (RM 1.1)



Promising late-maturing Enlist E3 variety offers flexibility

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

Pubescence colour:
Grey

Protein:
40 %

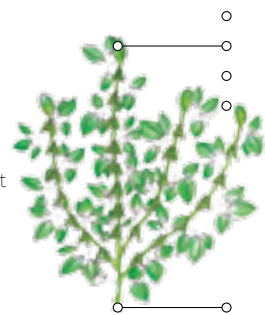
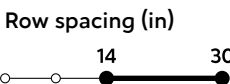
Management Pointers
Sow in all types of soil, regardless of crop management system
Optimal spacing 15 in or more
Reduce population density in high yield potential environments

Standability
1 2 3 4 5 6 7 8 9

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

Roundup Ready 2 YIELD[®] SOYBEANS



Consistency & Performance: A winning formula



MIKO R2

● 2750 CHU (RM 0.8)



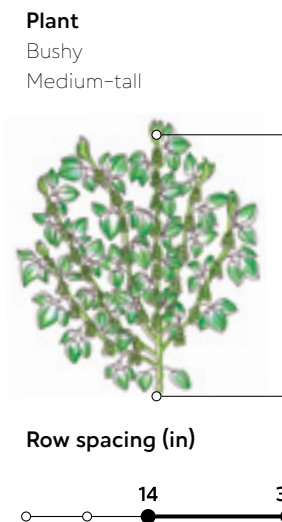
Dominant variety with a surprising yield

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 %

Management Pointers
Adapted to all soil types
Reduce populations in high potential yield environments



From a commercial standpoint



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

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

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.

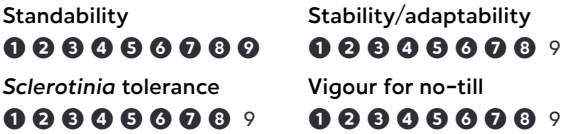
KENDO R2

● 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

Row spacing (in)

7

14



Plant
Slender
Medium-tall

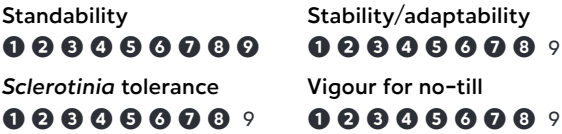
VERTIGO R2

● 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

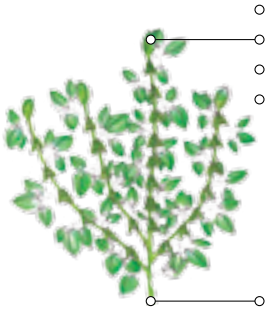
Adapted to all soil types
Optimal spacing 15 in or more

Row spacing (in)

7

14

30



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 %

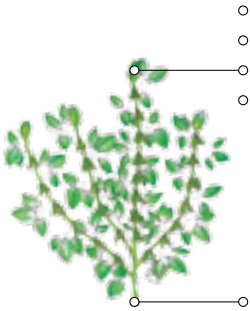
Management Pointers

Sow in fertile soil
Optimal spacing 15 in

Row spacing (in)

7

14



Plant
Semi-bushy
Medium-short

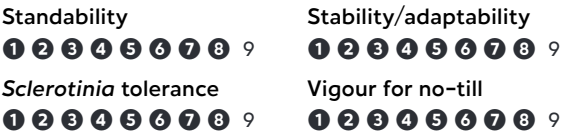
MAXO R2

● 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 %

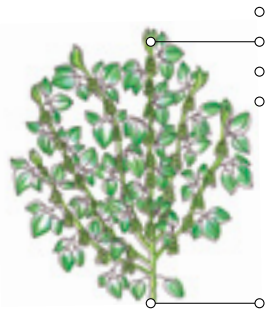
Management Pointers

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

Row spacing (in)

14

30



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

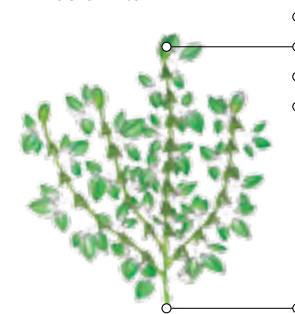
Sclerotinia tolerance
 1 2 3 4 5 6 7 8 9

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

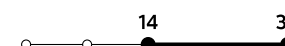
Vigour for no-till
 1 2 3 4 5 6 7 8 9

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

Plant
 Semi-bushy
 Medium-tall



Row spacing (in)



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



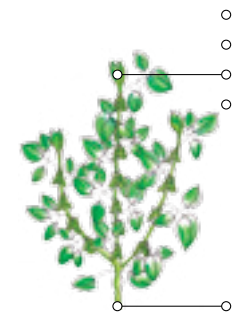
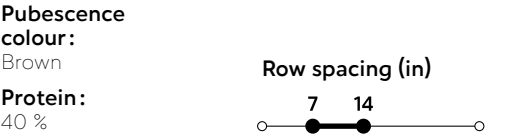
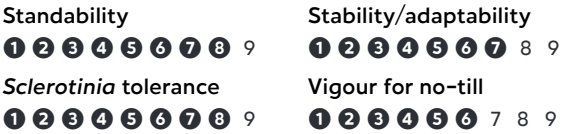
Prograin's top-performing early variety in its maturity group

● 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



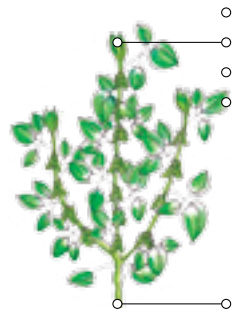
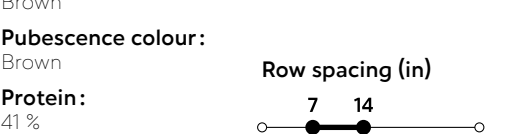
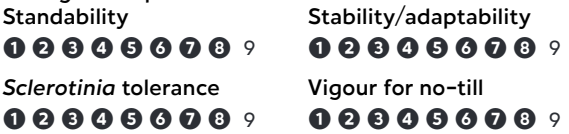
Surprising adaptability on the agronomic level

● 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



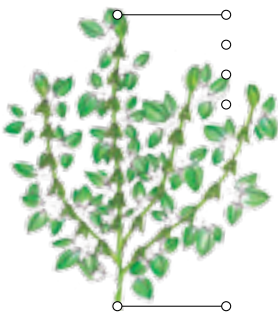
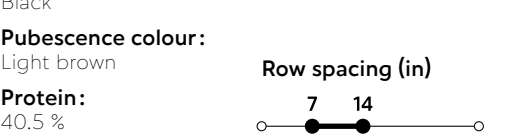
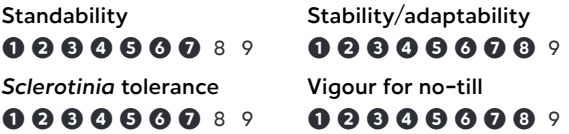
New high-performance variety adapted to early maturity zones

● 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

BRONCO R2X



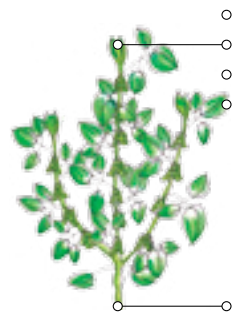
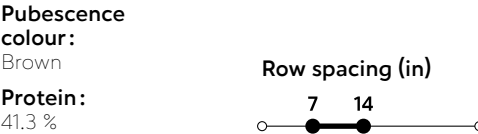
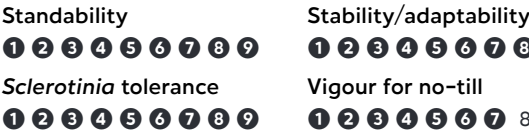
Its agronomic traits make this a promising variety

● 2550 CHU (RM 0.1)

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



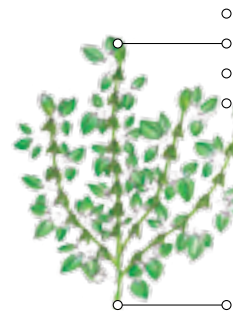
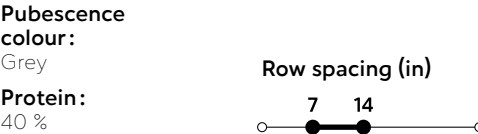
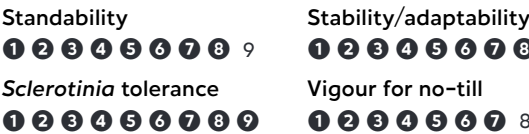
Good resistance and tolerance to common soybean diseases

● 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



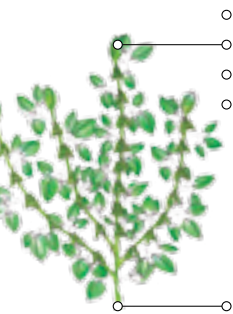
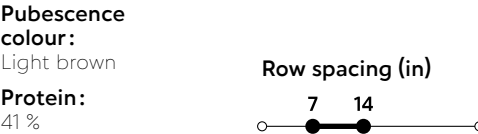
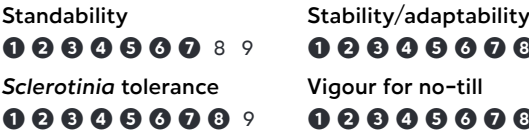
A sure value with its desirable agronomic qualities

● 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)



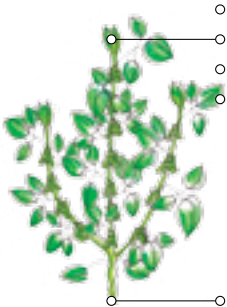
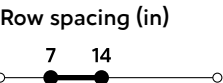
Great adaptability and stable performance are key to this variety's success

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

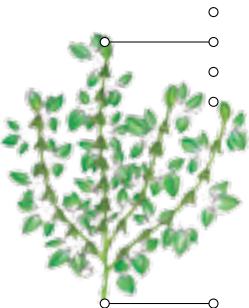
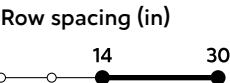
NEW

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)

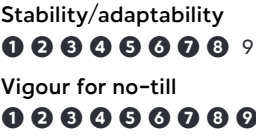


* Pending registration

The leader of the pack for its performance and yield potential

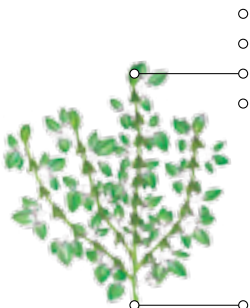
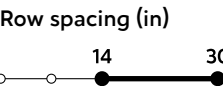
NEW

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)



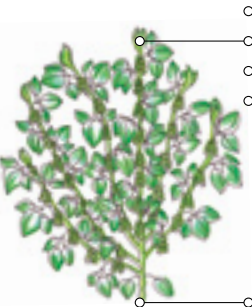
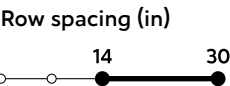
Perfect combination of defensive traits and excellent yield potential

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

<div><div><div>●</div><div>QUALI-PRO</div></div><div><div>●</div><div>IP</div></div><div><div>●</div><div>organic</div></div></div> <div><div><div>●</div><div>ROUNDUP READY</div></div><div><div>●</div><div>XTEND</div></div><div><div>●</div><div>ENLIST E3</div></div></div> <div><div><div>LEGEND</div><div>Δ = RECOMMENDED ROW SPACING IN INCHES</div><div>S = SEEDS</div></div></div> <div><div><div>METRIC SYSTEM</div><div>KG = KILOGRAM</div><div>HA = HECTARE</div><div>LIN M = LINEAR METRE</div></div></div> <div><div><div>IMPERIAL SYSTEM</div><div>LB = POUND</div><div>AC = ACRE</div><div>LIN FT = LINEAR FOOT</div></div></div> <div><div><div>SEEDS PER BAG</div><div>MAYA, HANA, TAURUS, BAKARA, BLACK GOLD: 1 BAG = 110 000 SEEDS</div><div>NARA, HAKATA: 1 BAG = 100 000 SEEDS</div><div>KONATTO, QUENATTO, SAKI: 1 BAG = 260 000 SEEDS</div></div><div><div>ALL IP VARIETIES: 1 BAG = 110 000 SEEDS</div></div><div><div>ALL R2, R2X AND E3 VARIETIES: 1 BAG = 140 000 SEEDS</div></div></div>
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NON-GMO VARIETY	CHU (RM)	Δ	S/ KG	S/ HA	BAGS/ HA	S/ LIN M	Δ	S/ LB	S/ AC	BAGS/ AC	S/ LIN FT
● MAYA NEW	2,475 (00.7)	7 14	5,300 – 5,900	550,000 500,000	5.00 4.55	9.6 17.5	7 14	2,404 – 2,676	222,672 202,429	2.02 1.84	2.9 5.3
● HANA	2,575 (0.1)	7 14 30 ●	5,200 – 5,600	550,000 500,000 500,000	5.00 4.55 4.55	9.6 17.5 37.5	7 14 30 ●	2,358 – 2,540	222,672 202,429 202,429	2.02 1.84 1.84	2.9 5.3 11.4
● KONATTO	2,600 (0.3)	7 14	12,000 – 14,000	555,000 525,000	2.13 2.02	9.7 18.4	7 14	5,442 – 6,349	224,696 212,551	0.86 0.82	3.0 5.6
● SAKI NEW	2,650 (0.5)	7 14	11,000 – 13,000	540,000 515,000	2.08 1.98	9.5 18.0	7 14	4,989 – 5,896	218,623 208,502	0.84 0.80	2.9 5.5
● TAURUS	2,650 (0.5)	7 14	4,600 – 5,300	490,000 475,000	4.45 4.32	8.6 16.6	7 14	2,086 – 2,404	198,381 192,308	1.80 1.75	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 18.0	7 14	4,082 – 4,989	218,623 208,502	0.84 0.80	2.9 5.5
● BLACK GOLD	2,700 (0.7)	7 14	4,400 – 5,000	490,000 475,000	4.45 4.32	8.6 16.6	7 14	1,995 – 2,268	198,381 192,308	1.80 1.75	2.6 5.1
● NARA NEW	2,700 (0.7)	7 14	4,000 – 4,600	490,000 475,000	4.90 4.75	8.6 16.6	7 14	1,814 – 2,086	198,381 192,308	1.98 1.92	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	14 30	1,542 – 1,905	192,308 149,798	1.92 1.50	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	14 30	1,995 – 2,268	192,308 149,798	1.75 1.36	5.1 8.5
● SIBERIA	2,375 (00.2)	7 14	5,600 – 6,200	550,000 500,000	5.00 4.55	9.6 17.5	7 14	2,540 – 2,812	222,672 202,429	2.02 1.84	2.9 5.3
● ASANA NEW	2,700 (0.6)	7 14 30	4,500 – 5,100	500,000 475,000 370,000	4.55 4.32 3.36	8.8 16.6 27.8	7 14 30	2,041 – 2,313	202,429 192,308 149,798	1.84 1.75 1.36	2.7 5.1 8.5
● MARULA	2,700 (0.6)	7 14 30 ●	4,500 – 5,300	500,000 475,000 400,000	4.55 4.32 3.64	8.8 16.6 30.0	7 14 30 ●	2,041 – 2,404	202,429 192,308 161,943	1.84 1.75 1.47	2.7 5.1 9.1
● EZRA	2,725 (0.8)	14 30	4,600 – 5,200	475,000 370,000	4.32 3.36	16.6 27.8	14 30	2,086 – 2,358	192,308 149,798	1.75 1.36	5.1 8.5
● ACORA	2,800 (1.0)	14 30	5,300 – 5,700	475,000 370,000	4.32 3.36	16.6 27.8	14 30	2,404 – 2,585	192,308 149,798	1.75 1.36	5.1 8.5
● ATENA	2,825 (1.2)	14 30 ●	4,000 – 4,600	475,000 370,000	4.32 3.36	16.6 27.8	14 30 ●	1,814 – 2,086	192,308 149,798	1.75 1.36	5.1 8.5
● ZANA	2,875 (1.4)	14 30	4,500 – 5,100	475,000 370,000	4.32 3.36	16.6 27.8	14 30	2,041 – 2,313	192,308 149,798	1.75 1.36	5.1 8.5

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 sow 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 in, 14 in and 30 in 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:

EXAMPLE OF SEEDING RATE CALCULATION (MARULA)

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

METHOD N° 1	METHOD N° 2
475,000 S/HA 110,000 S/BAG → 4.32 BAGS/HA	475,000 S/HA 5,000 S/KG → 95 KG/HA
110,000 S/BAG 5,000 S/KG → 22 KG/BAG	CONVERSION
4.32 BAGS/HA X 22 KG/BAG = 95 KG/HA	95 KG/HA X 0.89 = 84.67 LB/AC

YOUR CALCULATION

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

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/SAC

→

KG/BAG

BAGS/HA X KG/BAG

=

KG/HA

METHOD N° 1

S/HA

→

BAGS/HA

S/SAC

→

KG/BAG

BAGS/HA X KG/BAG

=

KG/HA

METHOD N° 2

S/HA

→

KG/HA

CONVERSION

KG/HA X 0.89

=

LB/AC

METHOD N° 2

S/HA

→

KG/HA

CONVERSION

KG/HA X 0.89

=

LB/AC

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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.

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A guarantee of progress.**



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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 trademarks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee.