

Your
profitability
partner

2019
seed guide



Prograin

A world of Soybean



SEMENCES **PROGRAIN INC.**

Your partner...



**SEED SALES TEAM,
EASTERN CANADA**

FROM LEFT TO RIGHT:

ALEXANDRE BEAUDOIN
VP SALES AND MARKETING
JULIE BLANCHARD, ING.
MARKETING COORDINATOR
MARC SAUMURE, CCA – ON, DAT
DISTRICT SALES MANAGER,
ONTARIO AND MARITIMES
NOËMI FONTAINE,
QUÉBEC SEED SALES
ASSISTANT
MAXIME GRATTON, AGR.
DISTRICT SALES MANAGER,
WESTERN QUÉBEC
PHILIPPE LEMAÎTRE, AGR.
SEED PRODUCTION
TECHNICAL MANAGER
MIGUEL PROVOST, AGR.
DISTRICT SALES MANAGER,
EASTERN QUÉBEC
MARIE-ÈVE ROY
CANADIAN SEED SALES
ASSISTANT

That contributes to your success

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

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

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



That constantly pushes the limits of research

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

Every year, Prograin invests substantial resources to develop new cultivars with considerable efforts made by the research team.

Researchers are working to develop soybean varieties that meet the performance needs of local producers based on criterias such as agronomy and yield.

Using advanced technologies, we are able to accelerate the development and evaluation of new varieties resistant to certain

soybean diseases such as *Phytophthora*, Soybean Cyst Nematode (SCN) and tolerance to sclerotinia.

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



RETAILER AND PROCESSOR
IN TAIWAN AND CHINA

PRODUCT: TOFU AND SOY BEVERAGE



VARIETY: MARULA

That brings value to your harvest... globally

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

Our customers and distributors around the world, including South Korea, China, Japan and Taiwan, enjoy the Prograin varieties grown on your land because they offer a high protein content to produce very high quality tofu and soy beverage. For example, Marula is a popular variety of soybean

purchased by processors because of its high protein content and good bean size. Other varieties meet different dietary needs, which is why Prograin offers a diversified portfolio to meet the demands of our customers.

That guarantees a
superior profitability

Quali-Pro®



**Quali-Pro soybeans
stand out for their
numerous features that
enhance your efforts :**

9 NON-GMO VARIETIES
FROM 2550 TO 2850 CHU
1 ORGANIC VARIETY

- ⊕ Fixed and superior variety premiums*
- ⊕ A transportation allocation*
- ⊕ A grain quality premium
- ⊕ The opportunity to join Quali-Pro Club
- ⊕ And much more!

*Requires to sign
an agreement

KORUS

2550 CHU (RM 00.9)

HIGH PROTEIN

STANDABILITY	9
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	6



VARIETY COMBINING AGRONOMIC AND PROFITABLE PERFORMANCES IN ITS MATURITY ZONE

- + Slim plant with excellent standability
- + Vigorous plant offering a good spring start
- \$ Profitable option compared with the Roundup Ready® in early-maturing zone
- ! Well adapted to all soil types
- ! Responds well to high populations
- ! Best results when seeded in narrow spacing



MEDIUM-SHORT
SLENDER

HANA

2575 CHU (RM 0.1)

HIGH PROTEIN

STANDABILITY	9
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	7



HARDY VARIETY OFFERING SUPERIOR PERFORMANCE AND PLANT HEALTH

PREFERRED FOR **organic** PRODUCTION

- + High and consistent yield potential, rated #1 in its maturity group, on a 3-year average at the RGCCQ
- + Robust stem providing excellent standability
- + Slender plant, and shorter than average
- + High protein variety, extremely advantageous marketing program
- ! Responds well to high populations
- ! Responds well in high fertility soil types
- ! Performs best in narrow rows less than 15"



MEDIUM-SHORT
SLIGHTLY SLENDER

KONATTO

2600 CHU (RM 0.3)

NATTO TYPE

STANDABILITY	8
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	6
VIGOUR FOR NO-TILL	5
ADAPTABILITY TO 30": N.R.	-



CONSISTENT PERFORMANCE FOR MAXIMUM PROFITABILITY

- + Meets export market requirements without compromising agronomic qualities
- + Excellent plant fertility and very good standability
- + Ripens well for an early harvest
- + Good Sclerotinia tolerance for a Natto-type
- ! Pay attention to seed drill and combine adjustments
- ! Plant in fertile, well-leveled fields
- ! Monitor seeding depth; aim for about 1"



MEDIUM-SHORT
SEMI-BUSHY

TAURUS

2650 CHU (RM 0.5)

HIGH PROTEIN

STANDABILITY	8
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	7



HIGH NUTRITIONAL QUALITIES MAKE THIS A GREAT 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 yields
- \$ Very attractive variety premium to maximize your returns
- ! Performs well in no-till
- ! Suitable for all types of soil
- ! Avoid very rich soils (manure, high % organic matter)
- ! Best adapted to 15" rows



TALL
SLIGHTLY SLENDER

QUENATTO

2700 CHU (RM 0.6)

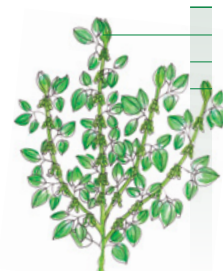
NATTO TYPE

STANDABILITY	8
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	7
VIGOUR FOR NO-TILL	6
ADAPTABILITY TO 30": N.R.	-



THE TOP-PERFORMING NATTO VARIETY ON THE MARKET

- + Excellent yield for a Natto-type soybean
- + Medium-tall plant with excellent standability
- + Stable performance since its introduction
- \$ Unparalleled return/acre
- ! Monitor seeding depth; aim for 1"
- ! Sow in loose, well-drained soil
- ! Pay attention to seed drill and combine adjustments



MEDIUM-TALL
SEMI-BUSHY

PLATINA

2700 CHU (RM 0.7)

TOFU TYPE

STANDABILITY	8
SCLEROTINIA TOLERANCE	9
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	7

HAKATA

2750 CHU (RM 0.9)

TYPE TOFU

STANDABILITY	8
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	7
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	9

BAKARA

2850 CHU (RM 1.3)

HIGH PROTEIN

STANDABILITY	7
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	9
VIGOUR FOR NO-TILL	9
ADAPTABILITY TO 30"	9

ARIUS

2875 CHU (RM 1.4)

HIGH PROTEIN

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	8

A partner that guarantees greater profitability



A PERFECT COMBINATION OF AGRONOMIC PERFORMANCE AND NUTRITIONAL QUALITIES

- + Large round seed prized for exportation
- + Excellent natural tolerance to common soybean diseases, including Sclerotinia
- + Tall plant capable of rapid growth, with excellent standability
- \$ Attractive return/acre thanks to our crop buyback program
- ! Outstanding in rich soil
- ! Adapted to all soil types
- ! Best performance at 7"-15" spacing



TALL
SLIGHTLY SLENDER



GROWING DEMAND IN EXPORT MARKETS FOR TOFU PRODUCTION

- + Ideal for producers in regions higher than 2700 CHU
- + Variety offering a great start in spring and good standability
- \$ Variety combining superior agronomic characteristics and high variety premium
- + Good-sized plant, well adapted to 30"
- ! Large seed; pay attention to grain drill calibration
- ! Sow in well-drained soil
- ! Performs best in rich soils
- ! Monitor seed depth; aim for 1.5"



MEDIUM-TALL
SEMI-BUSHY



ROBUST VARIETY WITH GREAT NO-TILL PERFORMANCE

- + Consistent performance, even in adverse conditions
- + Excellent spring vigour and good plant health
- + Derived from proven genetic material
- \$ Ideal for maximum profitability in late maturity zone
- ! Caution – position in the appropriate maturity zone
- ! Prefers clays and loam
- ! Well adapted to 30"



TALL
SEMI-BUSHY



PROTEIN-RICH VARIETY COUPLED WITH GREAT PERFORMANCE

- + Tall plant with superb standability
- + Good tolerance to white mold Sclerotinia
- + Clear pubescence giving it a nice white seed
- + Grain qualities sought after by our Export customers
- ! Excellent choice in heavy clay soils
- ! Caution – Large seed, adjust seeder accordingly
- ! Performs well in 15" - 30" rows



TALL
SEMI-BUSHY

WE BELIEVE IN QUALITY WORK AND WE RECOGNIZE IT

The Quali-Pro Club recognizes the exceptional work of producers who sow and harvest Quali-Pro soybeans.

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

Harvesting quality is one of the key elements to ensuring optimum profitability.

To find out how to join the Quali-Pro Club and the privileges offered to members, visit our website at:

PROGRAIN.CA/CLUBQUALIPRO

® Quali-Pro CLUB



QUALITY
SEED
PREMIUM**

**Harvesting Premium for Quali-Pro varieties



Quali-Pro®



Our unique contest is in its second year and you have a chance to qualify for it!

Be one of 20 producers to win the trip of a lifetime to Taiwan and China.

By buying IP or Quali-Pro brand seeds, you will have the chance to be among

the 20 winners from Eastern Canada to take part in this exclusive trip to Asia. An "all inclusive" trip organized by Prograin will immerse you in the heart of Asian culture and all of its attractions.

Find out how to win by visiting:

SEMENCESPROGRAIN.COM/CA-EN/SEEDS/OUR-PRODUCTS/CONTEST/VISIT-ASIA-WITH-PROGRAIN/

A partner... That offers you exceptional profitability



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

7 NON-GMO VARIETIES

FROM 2375 TO 2850 CHU

2 ORGANIC VARIETIES

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

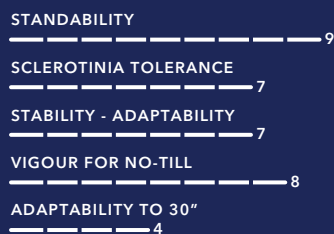
* Requires to sign a contract.

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



SIBERIA*

2375 CHU (RM 0.00.6)



*PENDING REGISTRATION

SASKA

2650 CHU (RM 0.4)



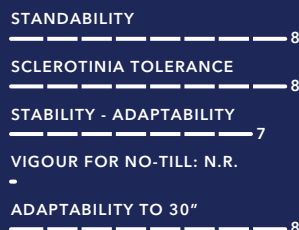
MARULA

2700 CHU (RM 0.6)



EZRA

2725 CHU (RM 0.8)



NEW VARIETY NEW VERY EARLY VARIETY WITH SURPRISING PERFORMANCES

- + Well adapted and very performing in early-maturing zone
- + Slender plant with average height
- + Offers above average standability
- \$ IP variety offered with a harvest buyback program
- ! Responds well to high populations
- ! Best placement is narrow rows



MEDIUM-SHORT
SLENDER



ALWAYS AN EXCELLENT CHOICE BY ITS CONSTANT PERFORMANCES

- + Prized for its consistent high yields
- + Excellent standability and very good tolerance to white mold Sclerotinia
- + Rapid dry down allows early harvest once full maturity is reached
- ! Performs well in no-till
- ! Suitable for all soil types
- ! Well adapted to all spacings



MEDIUM-TALL
SEMI-BUSHY



THE MOST COMPLETE IP VARIETY FROM AN AGRONOMIC STANDPOINT

PREFERRED FOR **organic** PRODUCTION

- + Good resistance to common soybean diseases
- + Good protein level and grain qualities appreciated by the export market
- + High yield potential
- + Healthy plant throughout the season with excellent standability
- ! Performs well in all soil types and crop management systems
- ! Well adapted in organic management systems
- ! Best adapted to 15" and 30" spacing



MEDIUM-TALL
SLIGHTLY SLENDER



NEW VARIETY THAT WILL SET THE YIELD STANDARDS IN ITS MATURITY GROUP

- + Best performance of its group at RGCQ in 2016 and 2017
- + Three maturity days later than Marula
- + Medium sized plant with good standability
- + Good Sclerotinia tolerance
- ! Performs well in all soil types
- ! Well adapted to all crop management systems



MEDIUM-TALL
SLIGHTLY SLENDER

ACORA

2800 CHU (RM 1.0)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	8

KARRA

2825 CHU (RM 1.1)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	8

ZANA

2850 CHU (RM 1.2)

STANDABILITY	9
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL: N.R.	-
ADAPTABILITY TO 30"	9

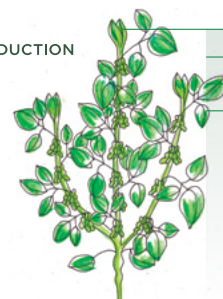
A partner that offers you varieties with incomparable performance



ALWAYS APPRECIATED BY THE PRODUCERS WHO CHOOSE IT

PREFERRED FOR **organic** PRODUCTION

- + Excellent plant fertility maximizes yield
- + Vigorous and healthy plants
- + Tall plant well adapted to no-till
- + Stable performance in the most adverse conditions
- ! Suitable for all soil types
- ! Performs well in 15" to 30" rows
- ! Performs well in all crop management systems



TALL
SLIGHTLY SLENDER



LATE-SEASON VARIETY OFFERING SOLID PERFORMANCE

- + Variety with a very good yield potential
- + Above-average standability and vigour
- + Very good Sclerotinia tolerance
- + Uniform stem maturity facilitates harvesting
- ! Adapted to 15" and 30"
- ! Suitable for all soil types



MEDIUM-TALL
SEMI-BUSHY



NEW LATE-SEASON VARIETY WITH EXCEPTIONAL AGRONOMIC PERFORMANCES

- + Robust plant with a very good standability
- + Bushy variety well adapted to 30" spacing
- + Selected for its high performance in our conditions
- + Good plant fertility ensuring consistent yields
- ! Adapted to all crop management practices
- ! Best adapted to 15" and 30" row spacings



MEDIUM-TALL
SEMI-BUSHY





QUALI-PRO VARIETIES

Hana, Taurus, Bakara:
1 bag = 110,000 seeds

Platina, Hakata:
1 bag = 100,000 seeds

Konatto, Quenatto:
1 bag = 260,000 seeds

Quali-Pro®

VARIETY	CHU (RM)	SEEDS/KG (MIN/MAX)	ROW Δ (INCHES)	SEEDS PLANTED/HA	SEEDING RATE (BAGS/HA)	SEEDS PLANTED /LINEAR M	TOLERANCE TO PHYTOPHTHORA	PUBESCENCE COLOUR	HILUM COLOR	PROTEIN %
KORUS	2550 (00.9)	5,000/5,800	7 14	550,000 500,000	5.00 4.55	9.6 17.5	Rps 1c	Brown	Yellow	46
HANA	2575 (0.1)	5,200/5,600	7 14 30	550,000 500,000 407,000	5.00 4.55 3.70	9.6 17.5 30.5	n/a	Brown	Yellow	44
KONATTO	2600 (0.3)	12,000/14,000	7 14	555,000 525,000	2.13 2.02	9.7 18.4	n/a	Grey	Yellow	40
TAURUS	2650 (0.5)	4,600/5,300	7 14	520,000 490,000	4.73 4.45	9.1 17.2	Rps 1c	Brown	Yellow	45
QUENATTO	2700 (0.6)	9,000/11,000	7 14	540,000 515,000	2.08 1.98	9.5 18.0	n/a	Grey	Yellow	40
PLATINA	2700 (0.7)	4,000/4,600	7 14	490,000 475,000	4.90 4.75	9.1 17.2	Rps 1c	Grey	Yellow	44
HAKATA	2750 (0.9)	3,400/4,200	14 30	475,000 370,000	4.75 3.70	16.6 27.8	n/a	Grey	Yellow	45
BAKARA	2850 (1.3)	4,400/5,000	14 30	475,000 370,000	4.32 3.36	16.6 27.8	Rps 1a	Brown	Yellow	43
ARIUS	2875 (1.4)	4,400/5,000	14 30	475,000 370,000	4.32 3.36	16.6 27.8	n/a	Brown	Yellow	44

IP VARIETIES

All IP varieties:
1 bag = 110,000 seeds



VARIETY	CHU (RM)	SEEDS/KG (MIN/MAX)	ROW Δ (INCHES)	SEEDS PLANTED/HA	SEEDING RATE (BAGS/HA)	SEEDS PLANTED /LINEAR M	TOLERANCE TO PHYTOPHTHORA	PUBESCENCE COLOUR	HILUM COLOR	PROTEIN %
SIBERIA* NEW	2375 (000.6)	5,600/6,200	7 14	550,000 500,000	5.00 4.55	9.6 17.5	n/a	Light brown	Yellow	39
SASKA	2650 (0.4)	5,200/5,800	7 14 30	500,000 475,000 395,000	4.55 4.32 3.59	8.8 16.6 29.6	Rps 1a	Brown	Yellow	41
MARULA	2700 (0.6)	4,500/5,300	7 14 30	500,000 475,000 370,000	4.55 4.32 3.36	8.8 16.6 27.8	n/a	Brown	Yellow	42
EZRA NEW	2725 (0.8)	4,600/5,200	14 30	475,000 370,000	4.32 3.36	16.6 27.8	n/a	Brown	Yellow	39
ACORA	2800 (1.0)	4,700/5,300	14 30	475,000 370,000	4.32 3.36	16.6 27.8	Rps 1c	Brown	Yellow	40
KARRA	2825 (1.1)	4,800/5,400	14 30	475,000 370,000	4.32 3.36	16.6 27.8	n/a	Brown	Yellow	40
ZANA	2850 (1.2)	4,500/5,100	14 30	475,000 370,000	4.32 3.36	16.6 27.8	Rps 1k	Brown	Yellow	39

*PENDING REGISTRATION

THAT ALLOWS AN ADVANTAGEOUS CROP ROTATION

AC BRIO

WHEAT (BREAD-TYPE)

SEEDING DENSITY : 500 SEEDS/M²

SEEDING RATE:

Thousand-kernel weight: 39.7 g
7" spacing: 198.5 kg/ha (177 lb/ac)

FUZION

WHEAT (BREAD-TYPE)

SEEDING DENSITY : 500 SEEDS/M²

SEEDING RATE:

Thousand-kernel weight: 39.4 g
7" spacing: 197 kg/ha (175 lb/ac)

CHAMBLY

SIX-ROW BARLEY

SEEDING DENSITY : 330 SEEDS/M²

SEEDING RATE:

Thousand-kernel weight: 47 g
7" spacing: 155 kg/ha (138 lb/ac)

THE BREAD WHEAT THAT HAS PROVEN ITSELF IN EASTERN CANADA

- ⊕ Hard red spring wheat, awnless
- ⊕ Very good standability
- ⊕ Average height
- ⊕ Early heading and maturity
- ⊕ High specific weight
- ⊕ Very good falling number
- Ⓛ Recommended 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 wheat production following corn or small grains to reduce Fusarium development

THE HIGH-YIELD BREAD WHEAT

- ⊕ Hard red spring wheat, slightly awned
- ⊕ Excellent natural Fusarium tolerance
- ⊕ Tall plant
- ⊕ Mid-late maturity and heading time
- ⊕ High specific weight
- ⊕ 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 and/or very rich soils
- Ⓛ Avoid wheat production following corn or small grains to reduce Fusarium development

RECOGNIZED FOR ITS RESISTANCE TO LODGING AND HIGH CONSISTENT YIELDS

- ⊕ Excellent yield
- ⊕ Exceptional standability
- ⊕ Semi-late maturity
- ⊕ Large seed
- ⊕ Medium to long straw length
- Ⓛ Good soil preparation is important to obtain an even stand

THE RIGHT POPULATION: KEY TO OPTIMAL PROFITABILITY

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

Necessary information for calculation	Marula	Your variety
Row spacing: 7, 14 or 30 in	Row spacing: 14 in	Row spacing: _____ in
Target population by row spacing: for information see page 12	Target population: 475,000 seeds/ha	Target population: _____ seeds/ha
Seed size: Indicated on the bag	Seed size: 5,000 seeds/kg	Seed size: _____ seeds/kg
Nombre de grains par sac: table at page 12	Number of seeds: 110,000/bag	Number of seeds: _____ /bag

Seeding rate calculation

Method #1 step A	$\frac{475,000 \text{ seeds/ha}}{110,000 \text{ seeds/bag}} = 4.32 \text{ bags/ha}$	$\frac{\text{seeds/ha}}{\text{seeds/bag}} = \text{_____ bags/ha}$
Method #1 step B Bag weight indicated on the label or by calculation	$\frac{110,000 \text{ seeds/bag}}{5,000 \text{ seeds/kg}} = 22 \text{ kg/bag}$	$\frac{\text{seeds/bag}}{\text{seeds/kg}} = \text{_____ kg/bag}$
Method #1 step C	$4.32 \text{ bags/ha} \times 22 \text{ kg/bag} = 95 \text{ kg/ha}$	$\text{_____ bags/ha} \times \text{_____ kg/bag} = \text{_____ kg/ha}$
Method #2	$\frac{475,000 \text{ seeds/ha}}{5,000 \text{ seeds/kg}} = 95 \text{ kg/ha}$	$\frac{\text{seeds/ha}}{\text{seeds/kg}} = \text{_____ kg/ha}$
Conversion	$95 \text{ kg/ha} \times 0.89 = 84.67 \text{ lb/acre}$	$\text{_____ kg/ha} \times 0.89 = \text{_____ lb/acre}$

Your partner...



PREFERRED FOR
organic
PRODUCTION

LOOK FOR THIS LOGO IN OUR
GUIDE OR ON THE WEBSITE. IT
GUARANTEES THE AVAILABILITY
OF ORGANIC SEEDS FOR THE
VARIETY.



HANA



ACORA



MARULA

That capitalizes on the opportunities of growing markets

**Every year, Prograin strives to
provide a broad availability of
Ecocert-certified organic seeds
to meet the specific needs of
producers.**

By choosing any of the privileged varieties for
organic production, you are guaranteed to benefit
from the many associated advantages, in addition
to maximizing the buyback of your harvest.

Expect our procurement service professionals
to contact you early in the season and discuss
the many advantages of our organic soybean
buyback program.



Interested in an average premium of \$107/acre*?

Join the numerous producers who have decided to grow conventional soybean varieties from the Quali-Pro and IP lineup.

Like them, you will have access to a fixed variety premium throughout the year in order to maximize your earnings, in addition to having access to numerous other advantages.

Have peace of mind with high performance varieties that deliver superior yield year after year and be assured that we will buy back 100% of your crop, regardless of the actual yield.

Choose this winning strategy that will meet your ambitions!

*Average premium paid in 2017 for non-GMO Grade #1 and Grade #2 soybeans.

That appreciates your feedback...



**SÉBASTIEN RICARD
ET ÉVELYNE FERLAND**

FERME SÉBASTIEN RICARD,
ST-ALEXIS DE MONCALM, QUEBEC
PRODUCERS OF THE MARULA VARIETY.

"We like Prograin's IP varieties sown in our fields because they are disease and white mold resistant. This gives us an equivalent or even better yield than GMO soybeans."



PHILIPPE HENRARD

FERME HENRARD, CURRAN, ONTARIO
PRODUCER OF ZANA AND HAKATA VARIETIES.

"It is normal that the grading of the soybean varieties for human consumption is more severe because we pay much more attention to produce it. With good equipment preparation, good management and regular monitoring, we know that our crop will be properly graded and the variety premium will be applied."

**GUILLAUME
AND MAXIME LAURIN**

CULTURES LAURIN INC.,
ST-ALEXIS DE MONTCALM, QUEBEC
PRODUCERS OF HANA AND MARULA VARIETIES.



"IP soybean production allows good on-farm crop rotation, better herbicide and weed management over the long term, which has beneficial effects. In addition, the IP varieties yield is constant from year to year, there is only slight variation, which avoids surprises."

CLAUDINE COURNOYER

FERME DU RANG ST-PIERRE INC.
STE-VICTOIRE, QUEBEC,
PRODUCER OF THE MARULA VARIETY.

For the sake of continuous improvement

**A partner that
offers you new and
innovative products**



Very soon, we will be offering a new product that is unique in terms of the toughest weeds control thanks to the best characters traits available in the industry.

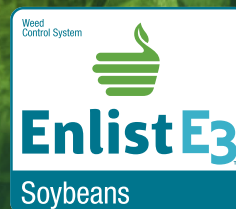
Local producers could soon benefit from the new Enlist™ weed control system in a high performance genetic line developed by Prograin.

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

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

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

**Choose innovation.
Choose Prograin Enlist
E3™ soybeans!**



And that offers you a
proven technology



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

9 GMO VARIETIES

FROM 2525 TO 2950 CHU

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

KENDO R2

2525 CHU (RM 00.8)

STANDABILITY	9
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	7
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	7

ASTRO R2

2550 CHU (RM 00.9)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	6

MALTO R2

2575 CHU (RM 0.2)

STANDABILITY	8
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	7

SALTO R2

2625 CHU (RM 0.4)

STANDABILITY	8
SCLEROTINIA TOLERANCE	9
STABILITY - ADAPTABILITY	7
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	7

VERTIGO R2

2725 CHU (RM 0.7)

STANDABILITY	9
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	8

...and recognized for its stability!



ROBUST VARIETY WITH EXCELLENT SPRING START

- + Excellent yield potential
- + Tall plant with above-average first pod height
- + Healthy plants up to the end of the season providing an excellent standability
- + Good vigour and aggressive growth all season long
- ! Well adapted to all soil types
- ! Plant in its maturity zone for maximum yield
- ! Performs best in narrow spacing



MEDIUM-TALL
SLENDER



VARIETY OFFERING CONSISTENCY AND PERFORMANCE YEAR AFTER YEAR

- + Above-average first pod height and excellent standability for easier harvesting
- + Tall, slender plant
- + Consistent high yields
- + Appreciated after hay harvest in late-maturing zone
- ! Performs well in all soil types
- ! Best adapted to narrow spacing



MEDIUM-TALL
SLENDER



VARIETY COMBINING GOOD YIELD AND DEFENSIVE TRAITS

- + Stability in its performance
- + Excellent natural tolerance to *Phytophthora*
- + Medium-tall plant with good standability
- + Good ability to produce branches for its maturity
- ! Well adapted to all soil types
- ! Adapted to all crop management practices



MEDIUM-TALL
SLIGHTLY SLENDER



VARIETY WITH HIGH YIELDS EVEN UNDER ADVERSE CONDITIONS

- + Excellent Sclerotinia tolerance
- + Good natural tolerance to most soil-borne diseases
- + Short plant with above-average standability
- + High yield potential
- ! Adapted to fertile soil types
- ! Best in 15" row spacing



MEDIUM-SHORT
SLIGHTLY SLENDER



HARDY VARIETY THAT WILL PERFORM WHERE MANY DON'T SUCCEED

- + Very good yield potential
- + Medium-height plant with excellent standability
- + Healthy plant all season long
- + Good Sclerotinia tolerance
- + Has the Soybean Cyst Nematode resistance gene
- ! Performs well in rich soil



MEDIUM-TALL
SEMI-BUSHY

MIKO
R2

2750 CHU (RM 0.8)

STANDABILITY	8
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	9

MAXO
R2

2825 CHU (RM 1.1)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	9

VOLCANO
R2

2850 CHU (RM 1.3)

STANDABILITY	7
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	9
ADAPTABILITY TO 30"	9

MATEO
R2

2950 CHU (RM 1.6)

STANDABILITY	9
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	9
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	9



DOMINANT VARIETY WITH A SURPRISING YIELD

- + Vigorous variety offering a good spring start
- + Excellent yield potential
- + Bushy plant, well adapted to 30" spacing
- + Good *Phytophthora* resistance (Rps 1c)
- ! Caution: adjust population in high yield potential environments
- ! Performs well in all soil types

MEDIUM-TALL
SEMI-BUSHY

ALWAYS IN HIGH DEMAND FOR ITS EXCEPTIONAL FIELD PERFORMANCES

- + Bushy-type soybean, good-sized robust plant
- + Among the top varieties for its tolerance to white mold *Sclerotinia*
- + Excellent yield potential
- + Very good standability and healthy stem to facilitate harvest
- ! Performs well in lower populations
- ! Plant in well-drained soil
- ! Excellent variety for 30" no-till

MEDIUM-TALL
BUSHY

LATE-MATURING VARIETY PROVIDING HIGH YIELDS

- + Selected for its high potential yield
- + Bushy plant with aggressive development
- + Performs well all types of environments
- + Very good spring start
- ! Well adapted to all crop management practices
- ! Be careful to adjust population in high potential environments
- ! Best suited in wide spacing, over 20"

MEDIUM-TALL
BUSHY

A GENETIC BACKGROUND THAT HAS PROVEN ITSELF AND AN AGRONOMIC PERFORMANCE THAT WILL WIN YOU OVER

- + Recognized for its yield and adaptability
- + Bushy plant with excellent results in wider rows
- + Vigorous spring start
- + Healthy plant, highly disease-resistant, especially to *Sclerotinia*
- ! Adapted to all crop management practices
- ! No restriction on soil type
- ! Best adapted for 30" spacing

TALL
BUSHY

Prograin cares about
its social responsibility
for the protection of
pollinating insects.

We take the recommendations of specialists seriously, such as those for neonicotinoids. This is why, beginning this year, the seed treatments offered by Prograin will have a new formulation meeting the requirements and new measures implemented by the various provincial governments.

THE RIGHT POPULATION: KEY TO OPTIMAL PROFITABILITY

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

Necessary information for calculation	Kendo R2	Your variety
Row spacing: 7, 14 or 30 po	Row spacing: 14 in	Row spacing: _____ in
Target population by row spacing: see table at page 26	Target population: 510,000 seeds/ha	Target population: _____ seeds/ha
Seed size: Indicated on the bag	Seed size: 5,400 seeds/kg	Seed size: _____ seeds/kg
Number of seeds per bag:	Number of seeds: 140,000/bag	Number of seeds: 140 000/bag

Seeding rate calculation

Method #1 step A	$\frac{510,000 \text{ seeds/ha}}{140,000 \text{ seeds/sac}} = 3.64 \text{ bags/ha}$	$\frac{\text{seeds/ha}}{\text{seeds/bag}} = \text{_____ bags/ha}$
Method #1 step B Bag weight indicated on the label or by calculation	$\frac{140,000 \text{ seeds/bag}}{5,400 \text{ seeds/kg}} = 25.9 \text{ kg/bag}$	$\frac{\text{seeds/bag}}{\text{seeds/kg}} = \text{_____ kg/bag}$
Method #1 step C	$3.64 \text{ bags/ha} \times 25,93 \text{ kg/bag} = 94.3 \text{ kg/ha}$	$\text{_____ bags/ha} \times \text{_____ kg/bag} = \text{_____ kg/ha}$
Method #2	$\frac{510,000 \text{ seeds/ha}}{5,400 \text{ seeds/kg}} = 94.4 \text{ kg/ha}$	$\frac{\text{seeds/ha}}{\text{seeds/kg}} = \text{_____ kg/ha}$
Conversion	$94.4 \text{ kg/ha} \times 0.89 = 84 \text{ lb/acre}$	$\text{_____ kg/ha} \times 0.89 = \text{_____ lb/acre}$

PERFORMING INOCULANTS

Prograin brand inoculant is a profitable choice for increasing your crop’s yield.

It provides your soybean crop with all of the growing power it needs to develop to its full potential by stimulating the formation of nodes on the roots and increasing the vigor of your plants.



TURBO-N2^{MC} LIQUID

Liquid inoculant packaged in flexible, leak-proof containers that can be used right in the seeder box or attached to the gravity box with a grain auger when seeding. One of the rare inoculants to be approved for organic production.

APPLICATION RATE

- 750 g treats 250 kg of seeds (±10 bags depending on the seed size)
- 2.25 kg treats 750 kg of seeds (±30 bags depending on the seed size)



TURBO-N2^{MC} PEAT

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

- One container treats 240 kg of seeds (±30 bags depending on the seed size or the equivalent of a large tote bag of Prograin soybean seeds)



**That offers you
innovation**



**ROUNDUP READY 2
XTEND
SOYBEANS**

10 GMO VARIETIES

FROM 2325 TO 2850 CHU

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

Soybean varieties that are developed and tested in our research test plots. This technology allows you to better control resistant weeds in your fields. This is how Prograin contributes to your success!

DAYO R2X

2325 CHU (RM 000.5)

STANDABILITY	9
SCLEROTINIA TOLERANCE	9
STABILITY - ADAPTABILITY	7
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	5

DARIO R2X

2350 CHU (RM 000.8)

STANDABILITY	7
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	5

DUGALDO R2X

2450 CHU (RM 00.6)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	6

DOMINGO R2X

2550 CHU (RM 00.8)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	7

DONALDO R2X

2600 CHU (RM 0.2)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	7

...and cutting-edge genetics



NEW VARIETY

NEW PERFORMING ULTRA-EARLY MATURING VARIETY

- | | |
|--|---|
| ⊕ Medium-short plant offering a good standability | ⚠ Better adapted to light and fertile soils types |
| ⊕ Contains a <i>Phytophthora</i> resistant gene (Rps 1k) | ⚠ Performs best in narrow spacing |
| ⊕ Excellent Sclerotinia tolerance | ⚠ Best suited in conventional soil management |
| ⊕ Soybean Cyst Nematode gene present | |



MEDIUM-TALL
SLENDER



VARIETY THAT WILL BE APPRECIATED FOR ITS QUICK START IN SPRING

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



MEDIUM-TALL
SLENDER



NEW VARIETY

WELL ADAPTED TO EARLY-MATURING ZONES

- | | |
|--|--|
| ⊕ Great yield potential | ⚠ Could be planted in 30" row spacing in particular conditions |
| ⊕ Excellent standability in all growing conditions | ⚠ Well adapted to all soil types |
| ⊕ Great white mold tolerance | |
| ⊕ Good ability to make branches for an early variety | |



MEDIUM-TALL
SEMI-BUSHY



SOUGHT AFTER VARIETY FOR ITS STABLE PERFORMANCE

- | | |
|---|--------------------------------------|
| ⊕ Very good vigour at the start of the season | ⚠ Performs well in all soil types |
| ⊕ Excellent yield potential | ⚠ Well adapted to 7" and 15" spacing |
| ⊕ Good-looking plant of above-average height | |
| ⊕ Very good Sclerotinia tolerance | |



MEDIUM-TALL
SLIGHTLY SLENDER



NEW VARIETY

WHICH WILL OFFER STABLE PERFORMANCES

- | | |
|---|---|
| ⊕ Good yield potential with very good Sclerotinia tolerance | ⚠ Better adaptability in all soil types |
| ⊕ Slightly bushy plant type with average height | ⚠ Above average for spring vigour |
| ⊕ Above average standability | ⚠ Perform best at 7" to 15" spacing |
| ⊕ Variety that demonstrates an advantage in difficult soils | |



MEDIUM-TALL
SLIGHTLY SLENDER

DENIRO R2X

2625 CHU (RM 0.3)

STANDABILITY	9
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	8

DENZO R2X

2700 CHU (RM 0.7)

STANDABILITY	9
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	7
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	7

DIEGO R2X

2725 CHU (RM 0.8)

STANDABILITY	7
SCLEROTINIA TOLERANCE	7
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	9
ADAPTABILITY TO 30"	9

DRACO R2X

2750 CHU (RM 0.9)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	7
VIGOUR FOR NO-TILL	8
ADAPTABILITY TO 30"	9

DOFINO R2X

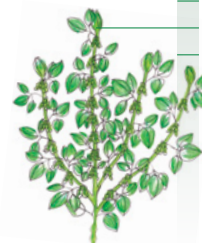
2850 CHU (RM 1.2)

STANDABILITY	8
SCLEROTINIA TOLERANCE	8
STABILITY - ADAPTABILITY	8
VIGOUR FOR NO-TILL	7
ADAPTABILITY TO 30"	9



VERY VERSATILE VARIETY WITH OUTSTANDING PERFORMANCES

- + Excellent yield potential
- + Short and compact plant with excellent standability
- + Contains a combination of 2 *Phytophthora* resistant genes
- + Good tolerance to white mold
- ! Caution for no-till fields in heavy soils: short plant
- ! Adapted to fertile soils



MEDIUM-SHORT
SEMI-BUSHY



NEW VARIETY VARIETY POSSESSING VERY GOOD AGRONOMIC QUALITIES

- + Excellent Sclerotinia tolerance
- + Excellent standability
- + Good *Phytophthora* tolerance
- + Good natural tolerance to common soybean diseases
- ! Does well in all soil types
- ! Best in 15" spacing and less



MEDIUM-TALL
SLIGHTLY SLENDER



NEW VARIETY VARIETY COMBINING PERFORMANCE AND ADAPTABILITY IN VARIOUS ENVIRONMENTS

- + Very high yield potential
- + Tall bushy plant, which quickly closes the ranks
- + Has two *Phytophthora* resistance genes, Rps 1c and Rps 3a
- + Good standability
- ! Well adapted to heavy soils
- ! Adapted to reduced tillage practices
- ! Better at 15" to 30" spacing rows

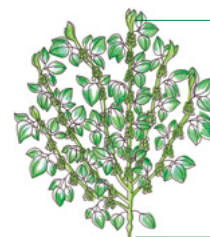


TALL
BUSHY



NEW VARIETY NEW VARIETY AGRONOMICALLY SIMILAR TO MUNDO R2 BUT OFFERING BETTER PERFORMANCE

- + Very high yield potential
- + Medium height plant with very good standability
- + Above average natural tolerance to *Phytophthora*
- + Good branching capacity
- ! Well adapted to no-till
- ! Suited at 15" to 30" spacing

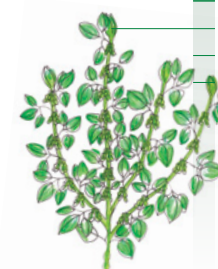


MEDIUM-SHORT
BUSHY



BUSHY AND ROBUST PLANT TYPE WITH SUPERIOR PERFORMANCES TO MAXO R2

- + Will be recognized for its superior and consistent yield
- + Tall plant with great bushiness
- + Offers a very vigorous and strong start
- + Excellent natural tolerance to *Phytophthora*
- ! Well adapted to reduced-till and no-till
- ! Performs well in low population environments



MEDIUM-TALL
SEMI-BUSHY



GENUITY® ROUNDUP READY 2 YIELD® VARIETIES

All Genuity® varieties:
1 bag = 140,000 seeds

VARIETY	CHU (RM)	SEEDS/KG (MIN/MAX)	ROW Δ (INCHES)	SEEDS PLANTED/HA	SEEDING RATE (BAGS/HA)	SEEDS PLANTED /LINEAR M	TOLERANCE TO PHYTOPHTHORA	PUBESCENCE COLOUR	HILUM COLOR	PROTEIN %
KENDO R2	2525 (00.8)	4,800/5,500	7 14	525,000 495,000	3.75 3.54	9.19 17.33	Rps 1c	Brown	Grey	42
ASTRO R2	2550 (00.9)	5,600/6,200	7 14	525,000 495,000	3.75 3.54	9.2 17.3	Rps 1k	Brown	Black	41
MALTO R2	2575 (0.2)	5,000/5,400	7 14	490,000 465,000	3.50 3.32	8.6 16.3	n/a	Light brown	Black	38
SALTO R2	2625 (0.4)	5,800/6,400	7 14	500,000 475,000	3.57 3.39	8.8 16.6	Rps 1c	Brown	Brown	40
VERTIGO R2	2725 (0.7)	4,800/5,400	7 14 30	500,000 450,000 380,000	3.57 3.21 2.71	8.8 15.8 28.5	Rps 1c	Light brown	Black	41
MIKO R2	2750 (0.8)	5,900/6,500	14 30	420,000 350,000	3.00 2.50	14.7 26.3	Rps 1c	Light brown	Brown	39
MAXO R2	2825 (1.1)	5,100/5,700	14 30	450,000 370,000	3.21 2.64	15.8 27.8	n/a	Brown	Brown	40
VOLCANO R2	2850 (1.3)	5,100/5,700	14 30	420,000 350,000	3.00 2.50	14.7 26.3	n/a	Light brown	Black	40
MATEO R2	2950 (1.6)	4,700/5,200	14 30	420,000 350,000	3.00 2.50	14.7 26.3	Rps 1c	Light brown	Black	42

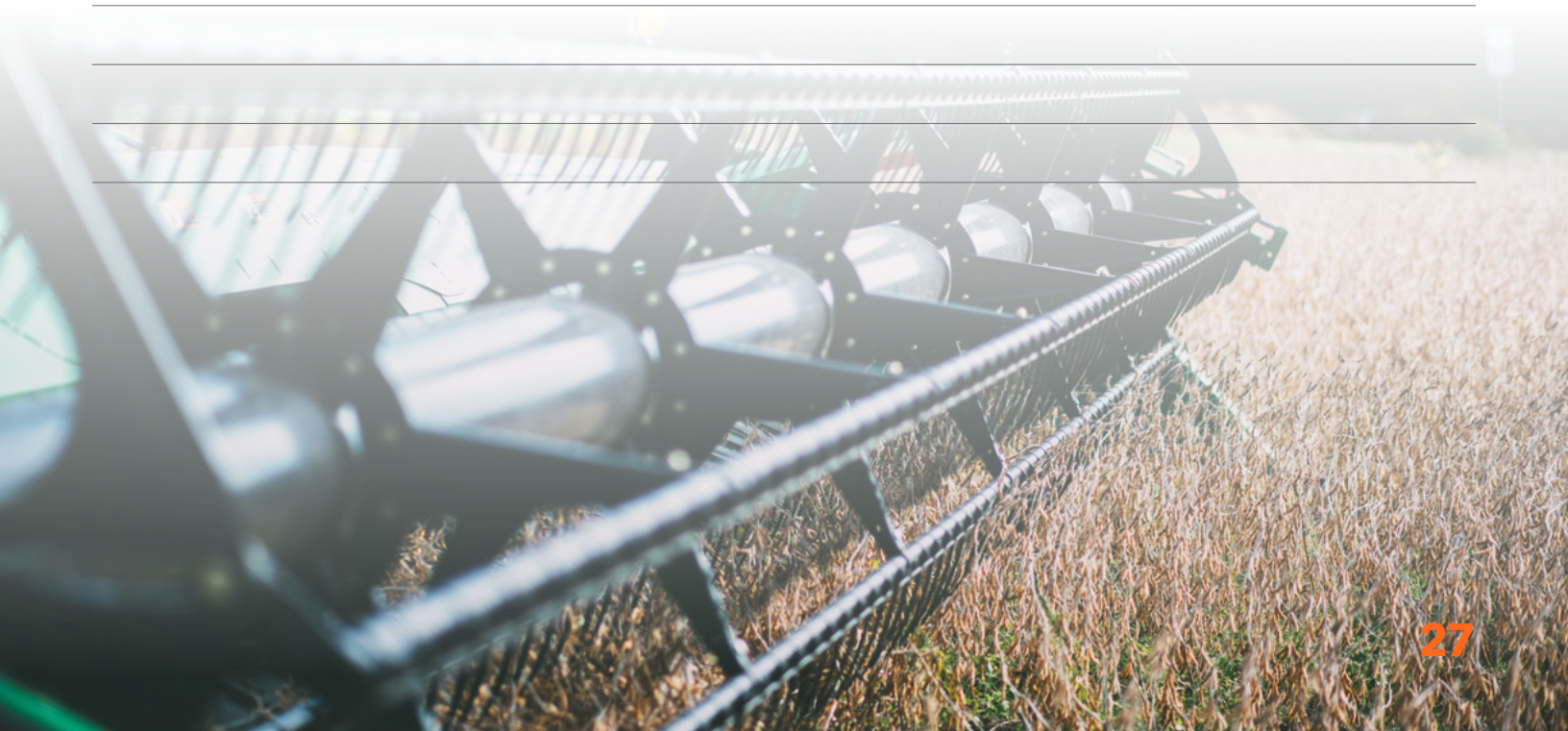
ROUNDUP READY 2 XTEND® VARIETIES

All Roundup Ready 2 Xtend® varieties:
1 bag = 140,000 seeds



VARIETY	CHU (RM)	SEEDS/KG (MIN/MAX)	ROW Δ (INCHES)	SEEDS PLANTED/HA	SEEDING RATE (BAGS/HA)	SEEDS PLANTED /LINEAR M	TOLERANCE TO PHYTOPHTHORA	PUBESCENCE COLOUR	HILUM COLOR	PROTEIN %
DAYO R2X NEW	2325 (000.5)	5,600/6,000	7 14	525,000 495,000	3.75 3.54	9.2 17.3	Rps 1k	Light brown	Black	n/a
DARIO R2X	2350 (000.8)	5,700/6,500	7 14	525,000 495,000	3.75 3.54	9.2 17.3	n/a	Light brown	Brown	41
DUGALDO R2X NEW	2450 (00.6)	5,300/5,900	7 14 30	525,000 495,000 420,000	3.75 3.54 3.00	9.2 17.3 31.5	n/a	Light brown	Black	n/a
DOMINGO R2X	2550 (00.8)	5,300/5,900	7 14	510,000 480,000	3.64 3.43	8.9 16.8	n/a	Light brown	Imperfect yellow	41
DONALDO R2X NEW	2600 (0.2)	5,700/6,300	7 14	510,000 475,000	3.64 3.39	8.9 16.6	Rps 1c	Light brown	Black	n/a
DENIRO R2X	2625 (0.3)	5,200/5,800	7 14 30	510,000 475,000 395,000	3.64 3.39 2.82	8.9 16.6 29.6	Rps 1c/3a	Light brown	Brown	39
DENZO R2X NEW	2700 (0.7)	5,700/6,300	7 14 30	500,000 475,000 395,000	3.57 3.39 2.82	8.8 16.6 29.6	Rps 1c	Light brown	Imperfect yellow	40
DIEGO R2X NEW	2725 (0.8)	5,500/5,900	7 14 30	475,000 450,000 370,000	3.39 3.21 2.64	8.3 15.8 27.8	Rps 1c/3a	Light brown	Brown	n/a
DRACO R2X NEW	2750 (0.9)	5,000/5,500	7 14 30	475,000 450,000 370,000	3.39 3.21 2.64	8.3 15.8 27.8	Rps 1c/3a	Light brown	Black	n/a
DOFINO R2X	2850 (1.2)	5,700/6,500	14 30	450,000 370,000	3.21 2.64	15.8 27.8	Rps 1k/3a	Light brown	Black	n/a

Notes





Prograin®

A world of Soybean

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

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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.

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

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Genuity® Roundup Ready 2 Yield® Soybeans are protected by one or more of the following U.S. Patent No(s): – 6,660,911; 6,949,696; 7,141,722; 7,608,761; 7,632,985; 8,053,184; 8,987,434.

Roundup Ready 2 Xtend® Soybeans are protected by one or more of the following U.S. Patent No(s): – 6,660,911; 6,949,696; 7,141,722; 7,608,761; 7,632,985; 7,838,729; 7,884,262; 7,939,721; 8,053,184; 8,987,434; 9,447,428; RE45,048; RE46,292.

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The agronomic content of the 2019 Seed Guide was prepared and verified by agronomists Maxime Gratton, Philippe Lemaître, Miguel Provost and Marc Saumure.

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Efficient use of inputs

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It all starts with certified seeds.

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2019
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