



SOYBEANS GUIDE

2023 - 2024



synAgri Grow crops
differently



TABLE OF CONTENTS



PREFACE

Word from the manager4-5

Our fertilizer.....6-7

Quality assurance8

Organic Market9



SOYBEANS

Introduction to SOYHINOVA IP Soybeans 10-11

ASAHI Variety 12

KYOTO Variety..... 13

SVX21TOS17 (IKEDA) Variety 14

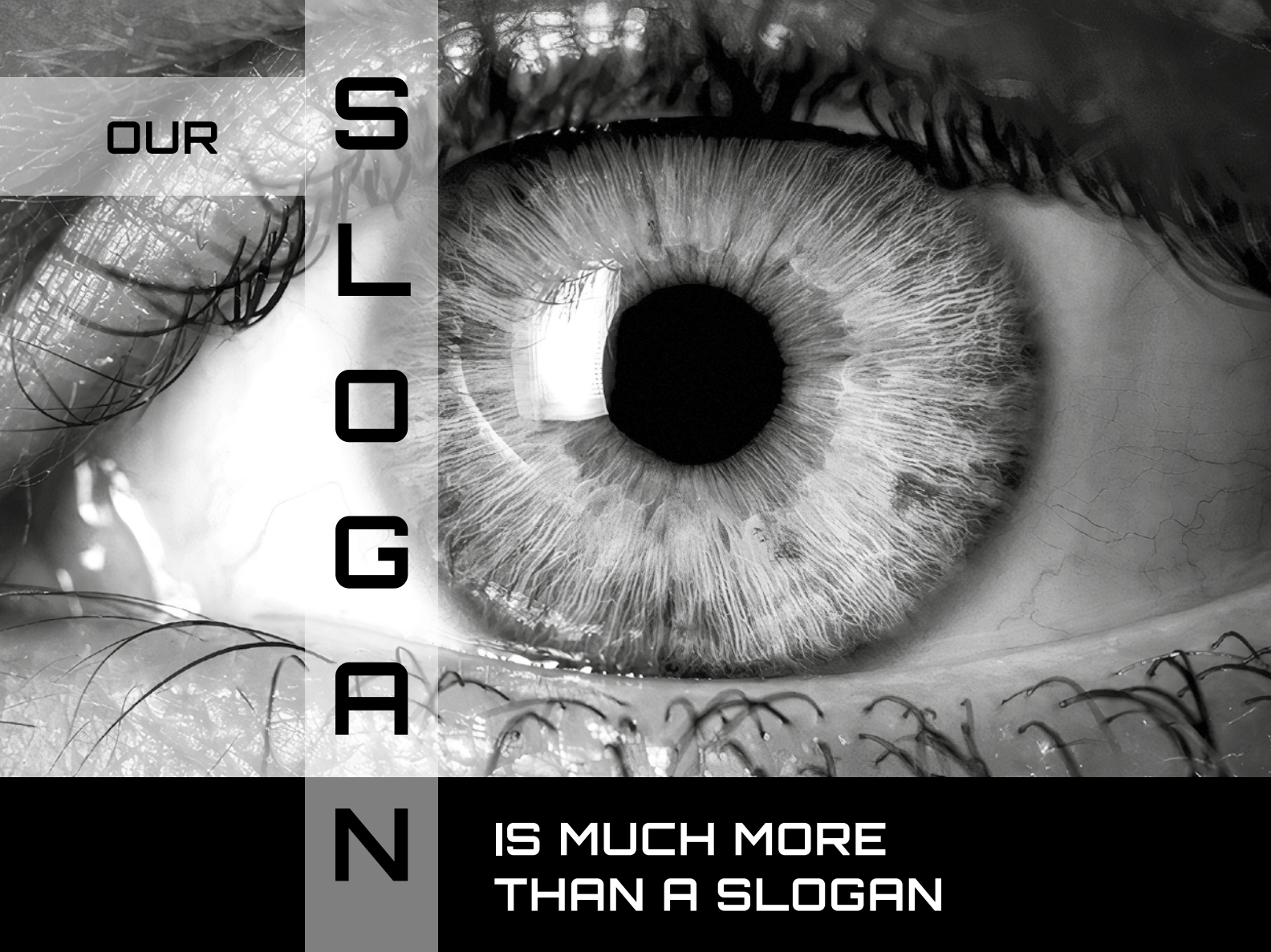
KAGAWA Variety 15

BELCAN Seeds Variety 18-19



PRECISION AG

Introduction to precision AG 26-27

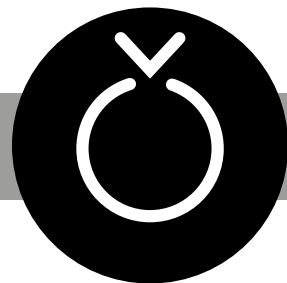


GROW CROPS
DIFFERENTLY

IT REPRESENTS
OUR MISSION

“Supporting agricultural producers to make them more productive”

PREFACE



Jocelyn Tousignant, agr.
Seed Manager

Jocelyn.tousignant@synagri.ca



PREFACE

Welcome to our 2023-2024 Seed Guide. Our objective is clear: to provide you with a comprehensive and efficient seed portfolio that meets the needs of Synagri's customers. Each year, we conduct trials of numerous high-potential varieties at various test sites. To be included in our Seed Guide, products must meet several criteria and demonstrate good yields over a minimum period of three years.

For cereals, a new product launch cycle commences in 2023-2024. Our selections from the past years are now ready for marketing. This new product launch cycle will span the coming years.

Our forage activities are effectively adapting to the growing demand for cover crops. Our offering of varieties and possible mixtures surpasses what is presented in the Seed Guide.

Please do not hesitate to reach out to one of Synagri's Seed team members. We would be delighted to assist you.

Thank you for taking the time to read our Guide.

Jocelyn Tousignant, agr.
Seed Manager



3 and 5 star Granular

3 and 5 Star fertilizer,
more than a high-quality
product line.



3 and 5 star Liquid

No compromise when it comes
to performance with our 3 and 5 Star
liquid starters.



YARA

Yara is a global company involved
in the production of innovative
and efficient products.



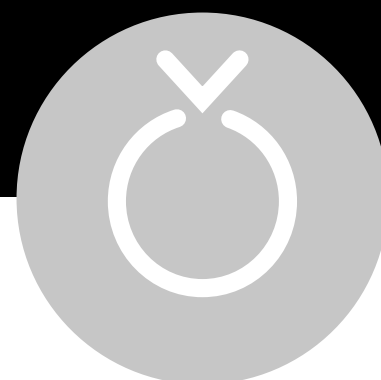
N-POWER BLUE

A unique, synergistic, nitrogenous
solution with a less
volatile composition.

OUR FERTILIZER

We are committed to developing and distributing
high-quality fertilizers that help agricultural producers
optimize their yields.

If you are looking to improve the quality and yield
of your crops, or if you simply need advice on crop
nutrition, feel free to contact your Synagri agent
or representative.



Regular

High-quality regular granular and liquid
fertilizer.



Amendments

Liming products, leveraging
our soils and fertilizer.

QUALITY ASSURANCE

The seed sector is a constantly evolving industry. Increasingly, seeds serve as the primary carriers of new technologies and represent the essence of the varieties we trust. It is essential to establish rigorous quality control measures to ensure complete integrity.

Throughout the production process, our varieties undergo systematic inspection, sampling, analysis, and evaluation of their germination levels. At each stage, they must adhere to the standards outlined by the Seeds Act and the Regulations of the Canadian Food Inspection Agency (CFIA). The Canadian Seed Grower Association establishes guidelines for field production and issues crop certificates. Now, It's SEED CANADA who is representing seed growers, analysts, breeders, distributors, processors, retailers, service providers and all stakeholders along the seed value chain from coast to coast. Synagri actively participates in all these associations to meet the highest quality standards.

A high-quality seed is the first guarantee of a successful harvest!

You are aiming for the
ORGANIC
Market!

We offer seeds and
products adapted to
your needs.

- Cereals
- Forage
- Corn
- Soybeans
- Fertilizers
- Crop protection and health products



Products labelled as GMO-free are gaining traction in the consumer market. Whether from Asia, Europe, or America, many consumers seek information about the origin and traceability of products containing GMOs. At Synagri, we offer a comprehensive portfolio of GMO-free products, including soybeans, corn, grains, and forage plants.

SOYBEANS

For several years, we have been offering a diverse range of conventional Synagri and Belcan soybeans, including GMO-free options. These soybeans cover a range of Corn Heat Units (CHU) from 2,500 to 2,900. All our conventional soybeans can be ordered with or without seed treatment.

CORN

Through our partner Horizon Seeds, SYNAGRI will offer several hybrids, with production taking place in Ontario. In addition to our range of conventional corn, these different corn hybrids undergo evaluations at the CEROM research center and by various growers in Quebec and Ontario. These non-GMO hybrids perform exceptionally well under our conditions. All seed lots undergo PCR analysis (% GMO) by an accredited laboratory. The results are provided to all producers who request them before seed delivery. This ensures that the future buyers' standards are met, as it all begins with the seed.



SOYBEANS



Samir Aoudia, agr.
Corn and Soybean Expert
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Proud to help feed the world.

Over the past few years, we have acquired and introduced new varieties to our IP (Identity Preserved) soybean line in order to meet the demands of processors and consumers around the world. This year again, we are introducing KATANO (2600 CHU). This IP soybean is in the top yields at a 15-inch spacing within its zone. Our non-GMO conventional varieties are renowned for their resistance to *White Mold*, lodging and their high yield.

We buy back all the crops of our varieties through two different buyers: For the Synagri line, we have Nova Grain with storage facilities in Saint-Hyacinthe and Saint-Isidore de La Prairie. For the Belcan Seeds line, we work with St-Lawrence Beans and their site in Sainte-Marthe.

Finally, you can rely on our dedicated teams to accompany you from the field entry to harvest.

IP SOYBEANS



	PRODUCT DESCRIPTION											
	IP VARIETIES											
CHU	2600			2650			2725			2750		
VARIETIES	KATANO			KYOTO			IKEDA			KAGAWA		
Seeds/kg (variable indicative data)	4,500-5,000			4,800-5,400			4,000-4,500			4,000-4,500		
Row Spacing (inches)	7	15	30	7	15	30	7	15	30	7	15	30
No. of Seeds Planted (seeds/ha)	500	475	450	550	500	450	450	425	400	500	475	450
Seeding Rate (kg/ha)	103	98	93	110	100	90	104	97	92	118	110	106
Seeding Rate (lb/ac)	92	87	83	98	89	80	93	86	82	105	98	94
No.of Seeds Planted (seeds/10 feet)	26	54	102	29	56	102	24	48	90	26	54	102
Type of Plant	semi-bushy			semi-bushy			semi-bushy			semi-bushy		
Height of Plant	average			average			average			average		
Hilum Color	yellow imperfect			yellow imperfect			yellow imperfect			yellow imperfect		
Protein Level (%) (variable indicative data)	42.5			42.5			41.6			42.6		

Height of plant: 1 = low 3 = average 5 = high

Protein and gr/kg = variable indicating data

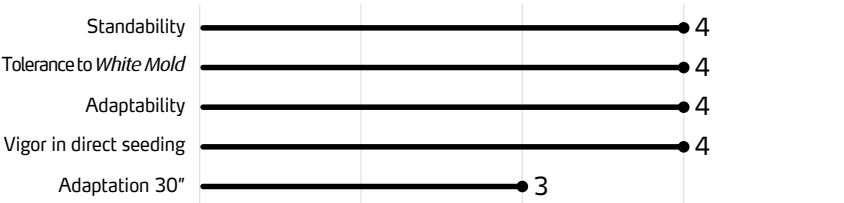
KATANO... New 2600 CHU at the top of its range

(2600 CHU)

- Early variety with good agronomic characteristics
- Excellent standability
- Good protein level over 42%: RGCQ* 2022
- Yields over 500 kg/ha above the ASAHI: RGCQ* 2022 (2 year average)
- Good resistance to *White Mold*

MANAGEMENT:

- Optimal every 7 and 15 inches



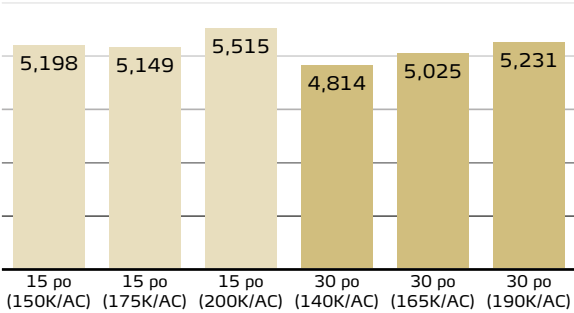
Features Index 1 to 5 (5 having the best performance)

KYOTO... new reference against *White Mold*

(2650 CHU)

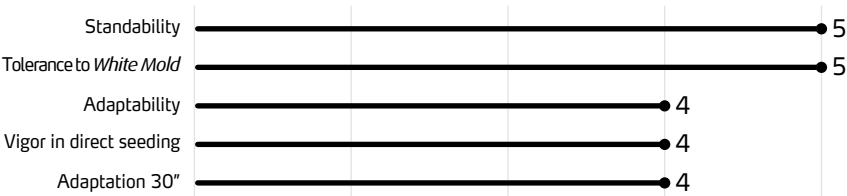
- Variety with outstanding agronomic qualities
- Excellent standability
- Consistently high performance under our conditions
 - RGCQ* 2021 (average 1 year) 103%, RGCQ (2020-2021) 100%
 - OSVT 2022 (Ontario 2 years) 102%
 - OSVT 2022 (Ontario 2 years) 105% Ottawa
- Good protein level at 42,8% - RGCQ* 2022
- Excellent resistance to *White Mold*, the best rating at the RGCQ 2013,2014, 2015, 2016, 2017, 2018 and 2019 with an index 0.7

KYOTO (2650 CHU)
Yield Trial (kg/ha) according to spacing and seeding rate (grains x 1,000/ac) - Synagri R&D 2022



MANAGEMENT:

- Optimal every 15 inches (seeding rates 500 K seeds/ha) : Synagri R&D 2022
- Performs well with 7 to 30-inch spacings
- Adapted for direct seeding
- Suitable for all types of soil



Features Index 1 to 5 (5 having the best performance)

IP SOYBEANS



IKEDA... yield for your direct seeding with 30-inch spacing

(2725 CHU)

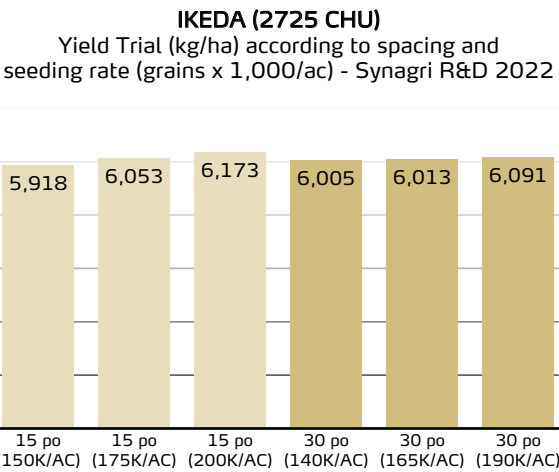
- Soybean that branches; ideal for seeding with 30-inch spacing
- Excellent spring vigour
- Good yield for all spacings
 - RGCQ (2020-2021) 107%
 - RGCQ 30 inches (2020-2021) 112%
- Healthy plant
- Good standability

MANAGEMENT:

- Optimal at 15 & 30 inches (seeding rate 500 K & 350 K grains/ha respectively): R&D Synagri 2022
- Performance in all types of soil and suitable for direct seeding



Features Index 1 to 5 (5 having the best performance)



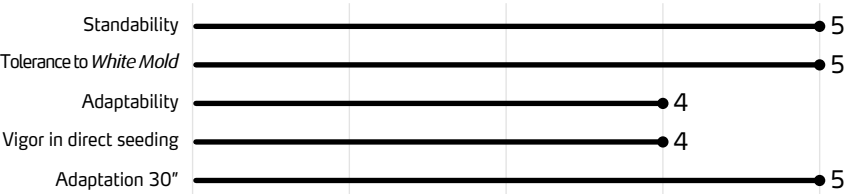
KAGAWA... yield and excellent tolerance to *White Mold*

(2750 CHU)

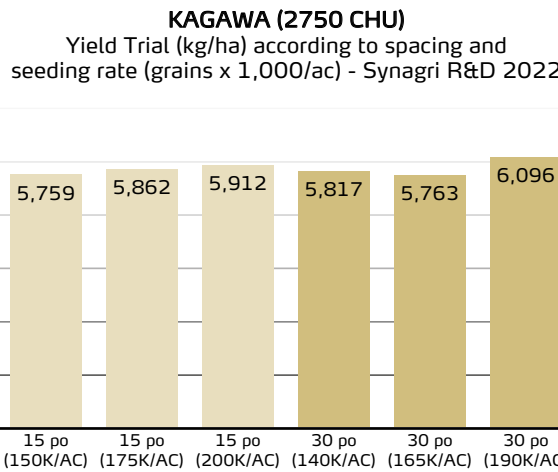
- Excellent tolerance to *White Mold* with a score of 1.0 RGCQ 2019
- Excellent standability
 - RGCQ* 2022 (average 1 year) 106%
 - OSVT 2022 (average 3 years) 100% Winchester
 - OSVT 2021 (average 2 years) 105%
- Good protein level at 43,6% at RGCQ* 2022

MANAGEMENT:

- Optimal at 15 & 30 inches (seeding rate 500 K & 475 K grains/ha respectively): R&D Synagri 2022



Features Index 1 to 5 (5 having the best performance)



Soybean planter calibration chart - Synagri 2023 -2024																
Soybean Seeding Rate		Number Seeds per 10 Feet			Seeding Rate in kg/ha - (lb/ac) According to Seed Size (seeds/kg)											
					4, 000		4,400		4,800		5,200		5,600		6,000	
seeds/ha	(seeds/ac)	7 po	15 po	30 po	kg/ha	(lb/ac)	kg/ha	(lb/ac)	kg/ha	(lb/ac)	kg/ha	(lb/ac)	kg/ha	(lb/ac)	kg/ha	(lb/ac)
300,000	(120,000)	16	34	68	74	(66)	67	(60)	62	(55)	57	(51)	53	(47)	49	(44)
350,000	(140,000)	18	40	79	86	(77)	79	(70)	72	(64)	66	(59)	62	(55)	57	(51)
400,000	(160,000)	21	45	90	99	(88)	90	(80)	82	(73)	76	(68)	71	(63)	67	(60)
450,000	(180,000)	24	51	102	111	(99)	101	(89)	93	(83)	85	(76)	79	(71)	74	(66)
500,000	(200,000)	26	56	113	124	(110)	112	(100)	103	(92)	95	(85)	88	(79)	82	(73)
550,000	(220,000)	29	62	124	136	(121)	124	(110)	113	(101)	105	(93)	97	(86)	91	(81)



ACTIVATED BY
Oligo[®] Prime

Oligo[®] is an innovative biostimulant technology that enhances the plant's natural defenses against abiotic stress, stimulates growth promoting responses that allow the crop to achieve and reach its full yield potential.

With **four activating technologies**

Metabolic signals

Carbon-based chelating agent

Fulvic acid

Chitosan



Scientific Trial Results 2014-2021			
Results obtained at McGill University, University of Guelph, Laval University, CEROM, Black Creek Research and AgQuest.			
CropBooster Oligo [®] Prime			
CropBooster 2.0			
↑ Corn Yield increase	516 kg/ha	844 kg/ha	
Return on investment (ROI)	7.6 to 1	11.4 to 1	
↑ Soybean Yield increase	41 kg/ha	243 kg/ha	
Return on investment (ROI)	1.3 to 1	7.0 to 1	

Complete data and other information available upon request.

CropBooster
15-3-6 + 2 % S + micros
Complete Foliar Nutrient
ACTIVATED BY **Oligo Prime**

RR SoyBooster
6-18-6 + 5 % S + micros
Foliar Nutrient
ACTIVATED BY **Oligo Prime**

In soybeans, you're as good as the company you keep.

Start clean, stay clean and finish strong with Nufarm.

Achieve more with a portfolio of superior pre-emergent weed control products designed to help you get the most out of your soybeans. Nufarm has the solutions you need, whether you're adding to glyphosate, managing resistance or looking for the right combination to tackle the toughest weeds. Because like you, we're all in for higher performance, improved yields and a better bottom line.

Bifecta EZ  **Fierce EZ**  **TriActor EZ**  **Valtera EZ** 

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SOYBEAN

SEEDS

IP AND ORGANIC PRODUCTION CONTRACTS



	PRODUCT DESCRIPTION														
	Belcan Seeds VARIETIES														
CHU	2500			2650			2700			2775			2825		
VARIETIES	RICHMOND			OAC CHAMPION			OAC EVOLUTION			OAC ACCLAIM			OAC ELEVATION		
Seeds/kg	4,900			5,000			5,000			5,200			4,900		
Row spacing (inches)	7	15	30	7	15	30	7	15	30	7	15	30	7	15	30
Number of seeds planted (x 1000)/ha	500	450	420	500	450	420	450	420	400	500	450	420	500	450	420
Seeding rate (kg/ha)	102	92	86	100	90	84	90	84	80	96	87	81	102	92	86
Type of plant	Semi-bushy			Semi-bushy			Semi-bushy			Semi-bushy			Semi-bushy		
Height of plant in cm	83			83			78			64			79		
Hilum colour	Imperfect yellow			Imperfect yellow			Imperfect yellow			Imperfect yellow			Imperfect yellow		
Protein level (%)	44.6			42.0			40.0			42.0			44.0		
Yield	4.0			4.0			5.0			4.5			4.5		
Standability	4.5			4.0			4.8			5.0			4.6		
Disease resistance	4.1			4.2			4.2			4.0			4.0		
Adaptability	4.0			4.2			4.0			4.0			4.0		
Vigor	5.0			4.0			5.0			4.0			4.0		
Adaptation 30 inches	3.5			3.5			3.5			4.0			4.5		

Height of plant: 1=small, 3=mean, 5=high
The protein level and seeds/kg are only informative

RICHMOND (CLS12-001,007) | 2500 CHU

- New for 2021–2022
- Very high protein variety
- Good yield for its maturity
- IP and Organic production contract available

OAC CHAMPION | 2650 CHU

- Excellent tolerance to *White Mold*
- OSVT 2021 (Ontario 2 years average) 102%
- Very high demand on the IP market
- IP and Organic production contract available

OAC EVOLUTION | 2700 CHU

- Excellent tolerance to *White Mold*
- Excellent yield potential
- OSVT 2021; 113%
- Open loop (No harvest buyback obligations)

OAC ACCLAIM | 2775 CHU

- Very good standability
- Excellent yield potential
- OSVT 2021 (Ontario 3 years average) 105% Ottawa

OAC ELEVATION | 2825 CHU

- High-protein variety
- Excellent tolerance to phytophthora



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Choose the simple and flexible way to free up your cash flow. Get 12 months to purchase seed, fuel, fertilizer and crop protection, and up to 18 months to pay.

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DEKALB® seed offers a lineup of corn and soybean seed with high performance potential that meets the diverse agronomic needs and conditions on your farm. It's all about giving you our best, so you can do yours.

See the lineup on **DEKALB.ca**

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It is recognized that the likelihood of maximizing soybean yields increases with early planting. This practice strongly encourages the use of a starter fertilizer, which promotes faster plant emergence in cooler soil conditions compared to late planting. A starter fertilizer containing phosphorus and a small amount of nitrogen is beneficial, as these two nutrients promote early root development, which in turn stimulates nodule formation and nitrogen fixation.

The nitrogen in the starter fertilizer supports root development without replacing or hindering nodule development. On the contrary, a well-developed root system enables leaves to engage in photosynthesis more quickly, thanks to the supply of fertilizing elements. Well-developed leaves can provide sugars to the nodules, which, in turn, supply nitrogen to the plant and so on. Yields are maximized when the nodules can rapidly and abundantly supply nitrogen to the plant.



STARTER
IN SOYBEAN

RESULTS

a highly recommended approach

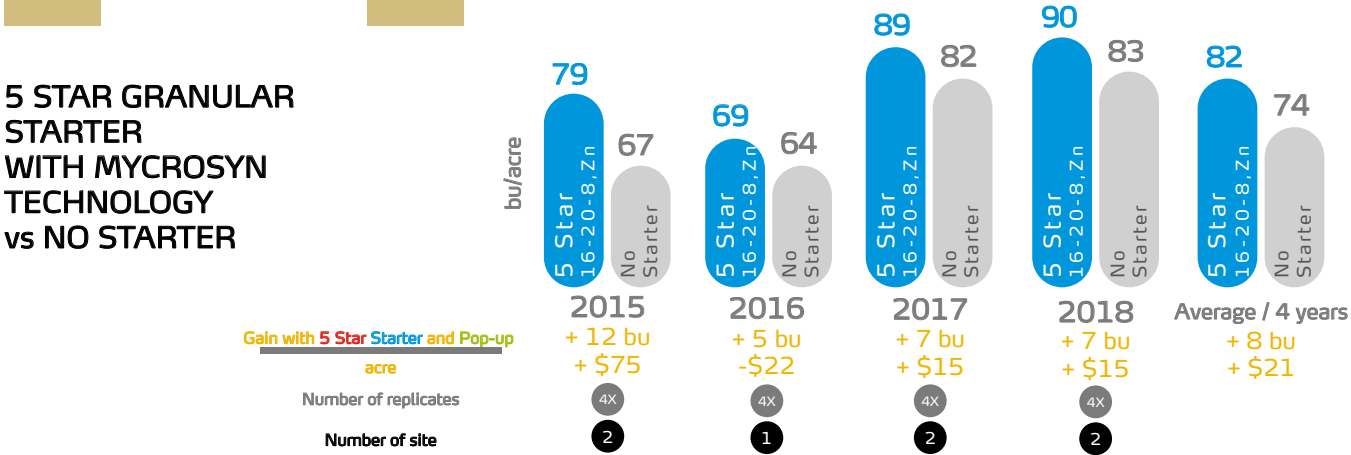
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NITROGEN

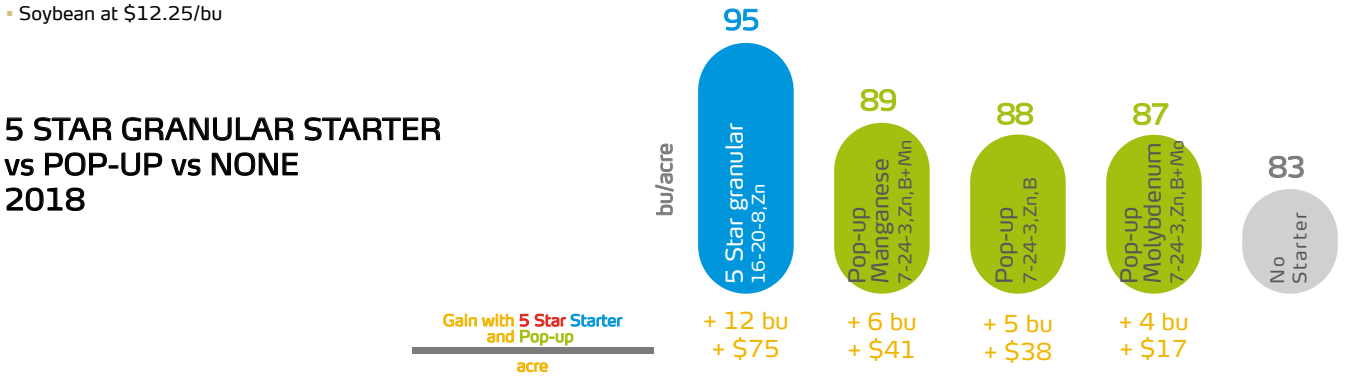
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PHOSPHORUS

5 STAR GRANULAR
STARTER
WITH MYCROSYN
TECHNOLOGY
vs NO STARTER



5 STAR GRANULAR STARTER
vs POP-UP vs NONE
2018





You've always done what's right for you — for your farm and for your soybeans. At UPL, we respect that independent spirit and want you to know we'll be there for you when you need smart, innovative solutions that make sense for your operation. Talk to your UPL rep or retailer to learn more or visit uplcanadaeast.ca to see our entire soybean portfolio.

UPL. A proud supporter of your way.

WEED PREVENTION FROM THE GROUND UP

AUTHORITY
480
HERBICIDE

AUTHORITY
SUPREME
HERBICIDE

In the battle against tough weeds, soybean growers can let their soil do the fighting. Authority® herbicides, applied pre-plant or pre-emergence, create a powerful soil-based defence that weeds can't get past. Go with Authority® 480 herbicide for Group 14 broadleaf weed control. Authority® Supreme herbicide takes that broadleaf control to the next level and adds powerful Group 15 grassy weed control too.

Soybeans grow, weeds don't show.



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PRECISION AG



Precision agriculture is a farmland management principle which aims for the optimization of yields and investments according to the environmental variabilities. The ultimate objective is to increase yield with the same surface of land: less pesticides, less fertilizers, less seeds, less fuel, and less hours of labour to obtain the same harvest.

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**We are experts
who can help you
improve your land's
profitability.**

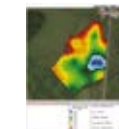
**Contact your Synagri
representative for
more information on
our services.**



GPS Soil Analyzes
Wintex hydraulic probe
Standard 6-inch sample depth



Soil Analyzes
Comprehensive and easy-to-understand analysis report



Georeferenced Mapping
Comprehensive visual report of the state
of field fertility



**Recommendations for
Lime and Variable-Rate Fertilizers**



**Recommendations for Nitrogen
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Agronomic management of your
fields with our representatives and experts
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Turn smart farming today, into even smarter farming tomorrow. FieldView™ gives you the tools you need to analyze yield data and turn this year's harvest data into actionable insights for next year, to help you make the most of every season to come.

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GROW GOOD YEARS

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MicroEssentials.com to learn more.

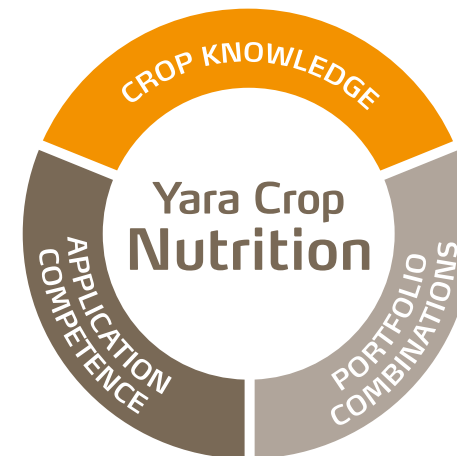
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Knowledge grows

Your committed crop nutrition partner



Yara grows knowledge to responsibly feed the world and protect the planet. Yara's activity and influence on a global scale is part of the food - resources - climate relationship. Sustainable agricultural development is at the heart of its commitment: strengthening food security while reducing emissions and their environmental impact and supporting rural development.

Operating for more than 20 years in Canada, Yara's Contrecoeur, Quebec terminal is ideally situated for accessibility in the main agriculture regions in Eastern Canada. Yara's commercial team is committed to supporting customers and increasing grower profitability through a comprehensive crop nutrition portfolio and more than 100 years of global and regional agronomic insights.

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