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PREFACE





Jocelyn Tousignant, agr. Seed Manager

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PREFACE

Welcome to our 2026 seed guide.

At Synagri, we are constantly striving to improve our seed offering to better meet your needs. We're always on the lookout for the best opportunities for high-performance seeds adapted to our climatic conditions.

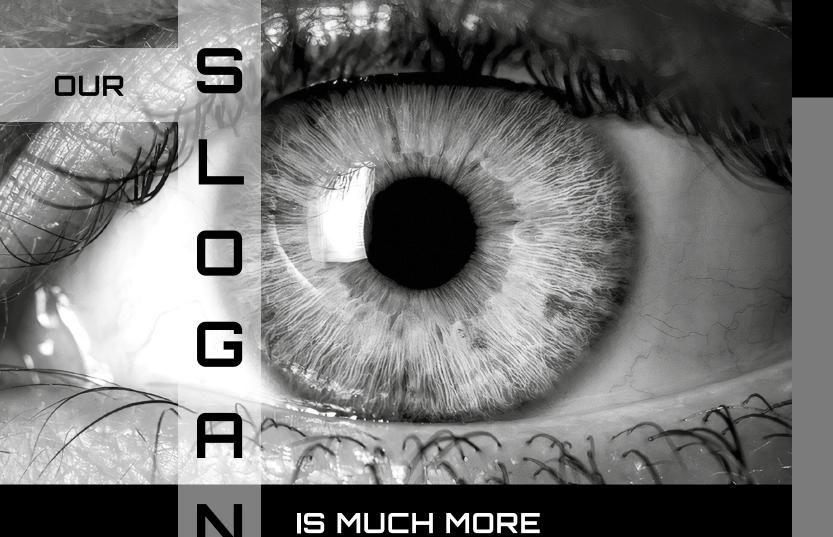
In the Forage section, you'll discover new blends designed in response to the specific demands of our customers. Thanks to collaboration with various partners, we have modernized and enriched our range.

Cover crops are growing in popularity year after year. Synagri offers not only standard mixes but also recognized expertise in the custom formulation of multi-species mixes. Our seeds inventory is much larger than what is presented in this guide - for more information, please contact your Synagri representative or authorized dealer.

Our range of spring and fall cereals also continues to evolve to meet the demands of the 2026 planting season.

Enjoy your reading!

Jocelyn Tousignant, agr. Seed Manager



GROW CROPS DIFFERENTLY

THAN A SLOGAN

IT REPRESENTS

OUR MISSION

"Supporting agricultural producers to make them more productive"

OUR PARTNERS































Knowledge grows



Yara's combination of agronomic knowledge, digital tools and high-quality crop nutrition solutions enable us to support farmers worldwide, optimize yields, produce healthier crops, and enhance soil health.



Yara collaborates with partners to support local growers by delivering solutions that improve nutrient and water use efficiency, advocate for 4R nutrient stewardship and by sharing our more than 100 years of knowledge in crop nutrition.



For more than 10 years, we committed R&D resources to build biostimulant solutions backed by 55 years of formulation knowledge, ensuring the products are safe, effective, easy to use, and will contribute to a resilient food system.



Our global ambition is to grow a nature-positive food future through climate neutrality, regenerative agriculture and grower prosperity.

Contact your Yara representative to partner today.

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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.

Through its accredited laboratory, Synagri offers germination analysis services for the species listed in Tables 1 to 10 and 18.

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

ORGANIC Market!

We offer seeds and products adapted to your needs.

You are aiming for the

- 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

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

Synagri has enhanced its conventional corn range with the addition of a new supplier, Lidea, via Caussade Semences Pro. Lidea supplies organic corn hybrids and some conventional hybrids. These hybrids are produced in France, in a GMO-free zone, which guarantees 0.1% GMO content, and their standard is 0.01% GMO. Horizon Seeds continues to offer us several high-performing conventional hybrids. Those hybrids are evaluated 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.









FORAGE



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Synagri offers conventional forage seed, pre-inoculated (exclusive legumes) and untreated. They can therefore be used by organic growers too.

They are selected for their persistence, winter survival and disease resistance. They are also harvested and analyzed to determine their nutritional profile (ADF, NDFD, NEL, protein, etc.) and digestibility. And with these results, we can select the best varieties to meet growers' current needs.

These characteristics make our Synagri seeds a high-performance product much appreciated by our growers.

Don't forget that we also offer the full range of conservation products associated with dry hay (PROTECT-FOIN PLUS, TOP-SIL), haylage (SILOSOLVE, MOLD-ZAP and BIO-PLUS), corn silage (BIO-PLUS, TOP-SIL) and for total mixed rations (MOLD-ZAP).



CULTIVARS



STELLAR III Alfalfa... superior yield and quality

- Mid to early maturity
- Multifoliate at 55%
- Superb regrowth maximizes total seasonal yield and quality
- Verv fast recovery
- Excellent persistece, winterhardiness and disease resistance package

Fall Dormancy

(1 being the most dormant with less yield and 9 being less dormant with more yield)

Winter Hardiness

→ 1.5

(1 being the most resistant and 6 less resistant)

AAC TRUEMAN Alfalfa... excels in wet soil

- Excellent performance in poor drained soils
- Increased drought tolerance
- Creeping root growth habit
- Dual-purpose Alfalfa that is well suited for both hay and haylage production
- Fast recovery after harvest
- A dark green fine stemmed variety
- Excellent persistence and winter hardiness ratings

Fall Dormancy

(1 being the most dormant with less yield and 9 being less dormant with more yield)

Winter Hardiness

1.5

(1 being the most resistant and 6 less resistant)

DOMINATOR II Alfalfa... for intensive harvest management

- Very fast recovery and accelerated growth for frequent harvest schedules
- Quick canopy closure naturally suppresses weed competition and conserves soil moisture for crop growth
- Excellent persistence, winterhardiness and disease resistance package
- Multifoliate at 60%

Fall Dormancy

(1 being the most dormant with less yield and 9 being less dormant with more yield)

Winter Hardiness

---1.8

(1 being the most resistant and 6 less resistant)

WL 344HQ Alfalfa... for its winning qualities

- Multifoliate at 85%
- Early maturing
- Superior digestibility and excellent feed value
- Very efficient in heavy soil
- Excellent forage yield
- Very good winter hardiness
- Highly resistant to root rot (aphanomyces races 1, 2 and 3)

Fall Dormancy

(1 being the most dormant with less yield and 9 being less dormant with more yield)

Winter Hardiness

→ 1.7

(1 being the most resistant and 6 less resistant)

BOOST HG Alfalfa... highly digestible

- Non-genetically modified alfalfa with reduction in total lignin
- Improves animal feed intake by 5–10%
- Multifoliate at 73%
- Excellent persistence
- High leaf/stem ratio produces 3–5% more protein
- Allows greater harvest flexibility
- Can generate an additional milk production of 1 kg of milk per cow per day

Fall Dormancy

(1 being the most dormant with less yield and 9 being less dormant with more yield)

Winter Hardiness

1.5

(1 being the most resistant and 6 less resistant)

CALIBER alfalfa... all-rounder

- Branched-root alfalfa
- Multifoliate at 50%
- High forage yield in moist or well-drained soil conditions.
- Excellent disease resistance.
- Easily adapts to different growing conditions.

Fall Dormancy

(1 being the most dormant with less yield and 9 being less dormant with more yield)

Winter Hardiness

→1.8

(1 being the most resistant and 6 less resistant)

14



		ALFALFA						
		STELLAR III	AAC TRUEMAN	DOMINATOR II	WL 344HQ	BOOST HG	CALIBER	
(O	MATURITY	REM¹	REM	EM	EM	REM	REM	
STIC	MULTIFOLIATE	YES	NO	YES	YES	YES	YES	
CHARACTERISTICS	FALL DORMANCY	4,02	2.0	5,0	4,4	3,0	4,0	
3ACT	WINTER HARDINESS	1.5³	1.5	1.8	1.7	1.5	1.8	
HAF	MANAGEMENT TYPE	Conventional	Conventional	Intensive	Conventional	Conventional	Conventional	
U	REGROWTH	Very fast	Average	Very fast	Fast	Fast	Fast	
	YIELD	Very high	Good	Very high	High	High	High	
	ANTHRACNOSE	HR⁴	R	HR	HR	HR	HR	
ASE	BACTERIAL WILT	HR	R	R	HR	HR	HR	
DISEASE	SPRING BLACK STEM	HR	R	HR	HR	HR	HR	
8	PHYTOPHTHORA ROOT ROT	HR	R	HR	HR	HR	HR	
	VERTICILLIUM WILT	HR	R	HR	HR	HR	HR	

- MATURITY: EM = early maturing, REM = relatively early maturing
 FALL DORMANCY: from 1 to 9.1 being the most dormant with less yield
 WINTER SURVIVAL: from 1 to 6.1 being the most resistant
 DISEASE RESISTANCE: HR = highly resistant, R = resistant



CULTIVARS



LESTRIS DOUBLE CUT RED CLOVER... unbeatable

- Selected for its excellent winter resistance and forage yield
- Quick to establish
- High ratio leaf/stem
- Mid to early maturity
- A multi-cut (up to 3 cuts a year)
- Exceptional longevity (up to 3-4 years) due to its disease resistance

TUUKKA Timothy... high leaf-stem ratio

- Semi-late maturity
- Fast regrowth
- High forage quality
- Excellent spring vigour
- Tolerance to cold
- High yield variety

DAWN Timothy... excellent regrowth

- Early maturity
- Excellent regrowth
- Very leafy
- Excellent disease resistance
- Excellent as dry hay for horses
- Excellent mixed with alfalfa, clover or orchardgrass





TORSION MEADOW BROMEGRASS... high yield

- This meadow bromegrass is ideal for hay production or grazing
- Torsion has excellent persistence
- Excellent winter survival
- Very fast spring vigor
- 6% higher yield than Fleet

PEAK Smooth Bromegrass... better than candy

- Highest performing in our climatic zones
- Higher yield in hay
- Superior regrowth
- May have a longevity of more than five years
- Its abundant leafiness produces quality hay with high nutritional value, highly appetizing and better digestibility
- It can easily tolerate 3 cuts and a cut of 10 cm in height improves its persistence
- Heads 3-5 days before the earliest Timothy

DIVIDEND VL Orchardgrass... unequalled maturity

- The latest maturing orchardgrass on the market
- This later maturing makes it easier to synchronize with the harvesting of other species
- Good potential yield in combination with alfalfa
- The first signs of maturity show up only in the second week of June
- Its maturity is a great advantage over all other orchardgrasses
- Very slow progression and maturity which lengthen the harvesting period

CULTIVARS



- Part of a new generation of tall fescues with extremely flexible leaves
- Better palatability and digestibility than other tall fescues
- Remarkable drought tolerance and persistence with excellent regrowth

TETRAX Meadow Fescue... incredible digestibility

- Among the few Tetraploid Meadow Fescues available in Canada.
- Averages over 25 points higher Relative Forage Quality than other Meadow Fescues
- Ideal companion grass for alfalfa, with consistent regrowth in each cut

MELQUATRO Annual Ryegrass... very high yield

- Italian tetraploid type, does not mature the year it is seeded
- Very high yield
- Excellent spring vigor
- Superior growth
- Produces a high-quality forage
- Excellent intercropping choice

ELUNARIA Annual Ryegrass... try it, and you will love it

- A tetraploid annual ryegrass of the westerwold type, does mature the year it is seeded
- A green tall stature plant
- Very good spring vigor
- Mid-late maturity
- Excellent choice if you want to do some frost seeding or spring reseeding
- Provide full-season production and a good regrowth capacity



BELLATOR PERENNIAL RYEGRASS... fast regrowth

- Tetraploid variety
- Superior yield
- A strong and vigorous ryegrass
- Low susceptibility to disease
- Extreme persistence

MAHULENA Festulolium... yield and persistence

- A cross between perennial ryegrass and tall fescue
- A top-yielding variety
- Robust
- Very persistent
- Very good resistance to drought



SIMPLE ALFALFA MIXTURES



SUPERSTAR Mixture

Recommended seeding rate: 17 kg/ha

STELLAR III Alfalfa 50% BOOST Alfalfa 30% CALIBER Alfalfa 10% TUUKKA Timothy 10%

- The combination of 3 alfalfa brings yield, stability and digestibility to this 3-cut mixture.
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

PRO-ENERGY Mixture

Recommended seeding rate: 17 kg/ha

WL 344HQ Alfalfa 80% TUUKKA Timothy 20%

- The predominance of the highly nutritional alfalfa improves the forage quality of the mixture
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

MAXI-MILK Mixture

Recommended seeding rate: 17 kg/ha

DOMINATOR II Alfalfa 70% DAWN Timothy 30%

- For dairy producers who follow an intensive management program
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

DAIRY Mixture

Recommended seeding rate: 17 kg/ha

WL 344HQ Alfalfa 60% TUUKKA Timothy 40%

- The predominance of the highly nutritional alfalfa improves the protein content of the mixture
- A balanced and performing mixture
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

VARI-SOIL Mixture

Recommended seeding rate: 17 kg/ha

AAC TRUEMAN Alfalfa 40% WL 344HQ Alfalfa 20% TUUKKA Timothy 40%

- Does well in various, sloping or rocky lands
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST





synAgri

Recommended seeding rate 17 kg/ha

DOMINATORAlfalfa45%BOOSTAlfalfa40%DAWNTimothy15%

This 4-cut mix is ideal for growers who use corn silage.

Reduce to 11 kg/ha if combined with one of these Mixes (see p.26): SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

PERFO-ESTRIE Mixture

Recommended seeding rate: 18 kg/ha

BOOST Alfalfa 50%
DOMINATOR II Alfalfa 35%
TUUKKA Timothy 12%
DIVIDEND VL Orchardgrass 3%

- A high-performance blend that has proved its worth in many fields already.
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

LACTO-PLUS Mixture

Recommended seeding rate: 17 kg/ha

STELLAR III Alfalfa 70% TUUKKA Timothy 30%

- For a higher digestibility forage
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

HORIZON Mixture

Recommended seeding rate: 17 kg/ha

STELLAR III Alfalfa 20% WL344HQ Alfalfa 20% CALIBER Alfalfa 20% TUUKKA Timothy 40%

- A blend of 3 alfalfa brings harvest security to this 3-cut mixture.
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

DUALFALFA Mixture

Recommended seeding rate: 17 kg/ha

BOOST HG Alfalfa 25% WL 344HQ Alfalfa 25% TUUKKA Timothy 50%

- The addition of two alfalfa cultivars combines quality, longevity and yield
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

ULTRA-HAY Mixture

Recommended seeding rate: 12 kg/ha

STELLAR III Alfalfa 20% TUUKKA Timothy 80%

- Make an excellent hay for horses and combined with other grasses
- Requires an early spring nitrogen application

COMPLEXE ALFALFA MIXTURES

SIMPLE MIXTURES BIRDSFOOT TREFOIL-CLOVERS

BIO-SEM Mixture

Recommended seeding rate: 16 kg/ha

STELLAR III Alfalfa 40%
LESTRIS Red Clover 15%
TUUKKA Timothy 45%

- The contribution of red clover ensures better establishment of alfalfa in difficult soil conditions
- Reduce to 11 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST



BIO-MAX Mixture

Recommended seeding rate: 14 kg/ha

LESTRIS Red Clover 40% TUUKKA Timothy 60%

- The timothy performs better in the second year where it accelerates fast drying in the field
- Adapts to all types of soil
- Reduce to 10 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

TANDEM Mixture

Recommended seeding rate: 14 kg/ha

LESTRIS Red Clover 50%
TUUKKA Timothy 50%

- Highly productive and easy to establish
- Reduce to 10 kg/ha if combined with one of these Mixes (see p.26):
 SUPRA-CUT, EXTRAGRASS +, TWO-BROMEGRASS +, ME 903 or BROM-FEST

VARYLAND Mixture

Recommended seeding rate: 15 kg/ha

STELLAR III Alfalfa 40%
LEO Birdsfoot Trefoil 25%
TUUKKA Timothy 35%

- Recommended for rolling landscape with variable drainage
- Combination of alfalfa and birdsfoot trefoil results in longer productivity

COMPLEXES MIXTURES: CLOVERS OR GRASSES



SUPRA-CUT Mixture

Recommended seeding rate with a cover crop: 8 kg/ha and 26 kg/ha alone

BELLATORPerennial Ryegrass34%DAUPHINETall Fescue17%TETRAXMeadow Fescue16%DIVIDEND VLOrchardgrass33%

• Best suited for an intensive management

For an exceptional yield cut after cut

EXTRAGRASS+ Mixture

Recommended seeding rate with a cover crop: 10 kg/ha and 32 kg/ha alone

PEAK Smooth Bromegrass 15%
TORSION Meadow Bromegrass 35%
DAUPHINE Tall Fescue 18%
TETRAX Meadow Fescue 17%
ELUNARIA Annual ryegrass 15%

• A mid-season grass mixture which can be grown with a mixture of alfalfa or red clover

TWO-BROMEGRASS + Mixture

Recommended seeding rate with a cover crop: 12 kg/ha and 20 kg/ha alone

PEAK Smooth Bromegrass 40% TORSION Meadow Bromegrass 60%

A mixture of a two-brome variety combining yield, quality and palatability

• Smooth bromegrass is erected and meadow bromegrass is leafy with abundant growth

ME 903 Mixture

Recommended seeding rate with a cover crop: 10 kg/ha and 28 kg/ha alone

PEAK Smooth Bromegrass 35%
TORSION Meadow Bromegrass 35%
DAUPHINE Tall Fescue 15%
TETRAX Meadow Fescue 15%

A mid-season grass mixture which can be grown with a mixture of alfalfa or red clover

BROM-FEST Mixture

Recommended seeding rate with a cover crop: 10 kg/ha and 28 kg/ha alone

PEAK Smooth Bromegrass 35%
TORSION Meadow Bromegrass 35%
MAHULENA Festulolium 30%

A mid-season grass mixture which can be grown with a mixture of alfalfa or red clover

PASTUR-2000 Mixture

Recommended seeding rate: 20 kg/ha

Clovers and Timothy: 10 kg/ha Bromegrass and ryegrass (separately): 10 kg/ha

LESTRISRed Clover10%BOMBUS LADINOWhite Clover20%DAWNTimothy20%TORSIONMeadow Bromegrass 35%TETRAXMeadow fescue15%

• A very productive and general-purpose pasture mixture for intensive management

Very palatable for all types of livestock

		Number of seeds	Pure stand		in asso	ociation
		kg	kg/ha	lb/acre	kg/ha	lb/acre
	EXTRAGRASS +		32	28	10	9
	TWO-BROMEGRASS +		20	18	12	9
	ME 903		28	25	10	9
	BROM-FEST		28	25	10	9
	REED CANARYGRASS	1,200,000	12	10	4-9	3-8
	MEADOW BROMEGRASS	175,000	13	11	5-10	4-9
	SMOOTH BROMEGRASS	300,000	18	16	5-10	4-9
	ORCHARDGRASS	1,450,000	11	10	3-5	3-4
	FESTULOLIUM	250,000	20	16	3-5	3-4
	MEADOW FESCUE	500,000	16	14	6-8	5-7
S	TALL FESCUE	500 000	16	14	3-5	3-4
	CREEPING RED FESCUE	1,350,000	0	0	3-6	2-5
سب	TIMOTHY	2,500,000	10	9	5-7	4-6
\vdash	SUDANGRASS	132,000	35-40	31-36	10-15	8-13
EEDING RATE	BIRDSFOOT TREFOIL	815,000	10	9	2-7	2-6
4	ALFALFA	500,000	14	12	6-10	5-9
\sim	MIXTURE DITCHES AND SLOPES		50	45		
	JAPANESE MILLET	340,000	20	18	8-10	7-9
<i>,</i> –	PEARL MILLET	155,000	15	13	6-8	5-7
Ü	MUSTARD	220,000	12	10		
	SWICTHGRASS	570,000	10	9		
	KENTUCKY BLUEGRASS	4,800,000	150	133	3-20	2-18
	PHACELIA	517,000	12	10		
	4010 FORAGE PEA	5,000	100	90		
	FORAGE RADISH	88,000	15	13		
ш	OILSEED RADISH	88,000	15	13		i !
111	ANNUAL OR PERENNIAL DIPLOID RYEGRASS	500,000	20	18	3-5	3-4
	ANNUAL OR PERENNIAL TRIPLOID RYEGRASS	250,000	35	31	3-5	3-4
Ul	INTERCROP ANNUAL RYEGRASS		15	13		
	BUCKWHEAT	33,000	90	80		1
	FALL RYE		132	118		1
	SORGHUM OR BMR SORGHUM	75,000	35	31	10-15	9-13
	WHITE CLOVER (Ladino, Dutch or Huia)	1,750,000			1-2	1-2
	BERSEEM CLOVER	360,000	14	12	5	4
	BLOSSOM CLOVER	528,000	15	13		
	CRIMSON CLOVER	330,000	20	18	5	4
	RED CLOVER	600,000	10	9	5-7	4-6
	COMMON VETCH	15,500	40	36		! !
	HAIRY VETCH	35,500	25	22		!

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COVER CROPS



In recent years, there have been noticeable changes in cultivation practices within the agricultural industry. One significant change is the increasing use of cover crops.

Agricultural producers are not only focused on achieving high yields and profitability but also on improving the health of their soils. They have recognized the importance of incorporating cover crops into their practices. This involves planting an intercrop alongside corn, soybeans, or cereals, utilizing green manure after harvesting cereals, or implementing riparian strips to minimize water and wind erosion. All these methods contribute to the goal of establishing a vegetal cover before the winter season.

By incorporating cover crops, farmers aim to achieve multiple benefits. These include reducing soil erosion, improving soil fertility, enhancing water infiltration, suppressing weed growth, and promoting biodiversity. The use of cover crops demonstrates a commitment to sustainable and environmentally-friendly agricultural practices.



Overall, the adoption of cover crops reflects a growing awareness among agricultural producers of the importance of preserving and nurturing the long-term health and productivity of their soils.

At Synagri, we have therefore relied on field trials with producers who are investing in these new practices to develop our new cover crop mixtures. Our observations have therefore enabled us to determine which species form the best possible combinations. Depending on your main crop, different mixes are available.

Do you want to increase the quality and structure of the soil, add nutrients? Minimize erosion?

Control weeds?

If the answer is yes, we have got you covered!

THE CHOICE OF SPECIES



Fodder peas are one of the most efficient legumes for producing biomass. Hardy and fast growing, it excels as a green manure. It is fixing nitrogen, in addition to producing a good amount of organic matter, and it is easy to bury. Compared to faba bean, the root mass of the pea is very low. Dried aerial parts decompose very quickly.



Balansa clover

Balansa clover is a fast-growing, nitrogen-fixing annual legume that can survive the winter. It has acidity tolerance and some salt tolerance. It requires less water than other clovers. It thrives in a variety of conditions and offers farmers many benefits: soil health, improved soil structure, reduced compaction and enriched organic matter.







Faba bean

Faba bean is an annual plant with erect stems that can reach 1.50 meters in height. The faba bean has a powerful swivel and fasciculate root system, which deeply structures the soil. It is excellent at fixing nitrogen in the soil. A faba bean field crop can enrich the soil up to 55 kg of nitrogen per acre. It is cold resistant and tolerates poor or clay soils.



Berseem clover

This annual clover grows to a height of 30 to 120 cm. It has a hollow stem, slightly hairy leaves, and a yellowish-white flower. Its germination is like crimson clover, but it tolerates a drier seedbed. It has a short taproot that sits in the top 30 cm of the soil. It prefers loamy and clay soils. It tolerates poorly drained soils and drought better than crimson clover.

Common vetch

It is cold tolerant, grows very well in the fall and starts very quickly in spring. Can be sown in combination with other species, as it is not very competitive at the early growing stage. It provides a very good biomass. It is therefore more than interesting in hilly soils where there is less organic matter. It is an annual plant that does not survive the winter unlike the hairy vetch.





THE CHOICE OF SPECIES



Oats can be established in all types of soils, under all conditions. Its dense and deep root system effectively aerates the soil and helps reduce soil erosion, in addition to helping prevent the presence of weeds. It is a cold hardy annual grass that can be sown late. It is also a good source of carbon, which increases the humus level in the soil.







Annual ryegrass

This annual grass is interesting to sow with a legume. It has a structural root system for the soil that complements that of the legume. Ryegrass loves nitrogen and helps reduce leaching losses. On the other hand, it competes well with nitrogen-loving weeds. This is the most used plant as an intercrop in corn. Remember it can survive a mild winter... especially the biannual Italian type.











Chicory

Biennial plant with fast regrowth. Perenniality of 2 to 3 years. Tendency to go to seed quickly... Very good tolerance to the drought thanks to its deep root which can reach 1,5 meters of depth. Prefers sandy soil to avoid the risk of root rot. Not very demanding on the pH (from 5,5 to 7). Appreciates organic matter rich soils.



Fall rye

Here is a robust and rustic plant, adapted to all types of soils. It protects the soil from erosion and leaching, sanitizes and structures it. Rye creates a dense vegetation cover that survives the winter. It is buried the following spring before the crops are established. It is growing fast and tolerates frost. It also has an allelopathic effect... which prevents the establishment of other plants, especially a crop like corn. So, be careful with its use in rotations.



Cool Season Biennial. Kale is a leafy bush Brassica broadleaf. It can grow on poor land. The root system helps loosen up the top part of the soil profile. Kale has good salinity tolerance, and will help smother weeds. It has good fall frost tolerance and will tolerate shading. Leaves are large. Drought tolerance is good.









THE CHOICE OF SPECIES



It is an interesting annual plant to use as a green manure, because it has natural nematicide properties. The pivot of its root system is very powerful: it therefore has a very strong restructuring power of soils. Thanks to this pivot, the biomass produced by this radish is much greater than that of mustard, for example, without trapping more nitrogen. Its growth is rapid since its flowering occurs 7 to 9 weeks after sowing. It is less sensitive to heat and drought than mustard, and therefore suitable for early sowing.



Phacelia

Phacelia is a fast-growing plant that is used as a green manure to improve the composition and structure of the soil. Its rapid growth allows it to smother unwanted weeds. Not very demanding on the nature of the soil. It is cold and light frost resistant. Its flowers are very honey and attract many insects. It grows to a height of between 30 and 60 cm.







Ethiopian mustard

The rapid growth of mustard is just one of the qualities that make it an excellent green manure. Its deep roots help to decompact heavy soils and its aerial parts buried in the soil provide it with a first-rate nitrogen supply. Its role as a nematicide is very interesting in plots where potatoes have been grown. Because it grows very quickly and does not fear root competition, it covers the soil without delay and protects it from erosion. A plant can reach 50-80 cm tall in a single month.



OUR COVER CROPS MIXES...

SYN-CO STABILITY mix

- 70% Forage peas
- 10% Forage radish
- 20% Oats

Recommended seeding rate, 85-95kg/ha

This mixture offers stability in the field since these are species that maximize rapid plant cover during their establishment. It is important to bury the mixture before the radish goes to seed otherwise it can become problematic the following year.



SYN-CO BIOMASS

- 95% Forage peas
- 5% Forage radish

Recommended seeding rate: 63 kg/ha

This mixture contains species that establish quickly, provide a large biomass and adapt to cold temperatures to grow later in the season. It is important to bury the mixture before the radish grow into seeds, otherwise it can become problematic the following year.



37



SYN-CO NITROGEN mix

- 20% Faba bean
- 20% Common vetch
- 10% Crimson clover
- 10% Berseem clover
- 40% Forage peas

Recommended seeding rate, 45-50kg/ha

This mixture is composed only of annual or biannual legumes to promote optimum nitrogen supply. These are plants that will normally be destroyed by winter. It provides a precedent crop for subsequent plants which require a significant need for nitrogen fertilization.



SYN-CO LATE mix

- 92% Oats
- 8% Forage radish

Recommanded seeding rate, 54 kg/ha

This mix is ideal when there are less than 6 weeks left in the growing season. It allows the recovery of fertilizing elements and the recovery of organic fertilizers. The removal of unused nitrogen is done quickly and in large quantities. Rapid growth and high biomass production.



- 20% Daikon Radish
- 20% Forage Kale
- 20% Fodder turnip
- 20% Brassica
- 20% Yellow mustard

Recommended seeding rate: 8 kg/ha

This all-brassica blend offers rapid growth and dense coverage.

The root system of brassica is particularly suited to improving the top layer of soil. Brassica help improve soil fertility.



OUR INTERCROP MIXES

OUR RIPARIAN MIX

Why intercrops?

EROSION UP TO 100%



NITROGEN LOSS PHOSPHORUS LOSS UP TO 70%

UP TO

86%

RUNOFF UP TO 78%





SYN-CO INTER DUO

- 44% MELQUATRO annual (italian type) ryegrass
- 56% Balansa clover

Recommended seeding rate, 20kg/ha

This mixture contains ryegrass which helps structure the soil, promotes better bearing capacity for machinery and tolerates flooding. As for clover, it provides a source of nitrogen for the next crop, it tolerates drought, controls weeds, promotes soil biodiversity and is normally destroyed by winter. An economical mix...

SYN-CO INTER TRIO

- 24% MELQUATRO annual (italian type) ryegrass
- 58% Balansa clover
- 18% Forage radish

Recommended seeding rate, 20kg/ha

This mixture contains ryegrass which helps structure the soil, promotes better bearing capacity for machinery and tolerates flooding. Clover provides a source of nitrogen for the next crop, is drought tolerant, controls weeds, promotes soil biodiversity, and is normally destroyed by winter. As for the forage radish, it promotes water infiltration (aerates the soil), stores nitrogen and helps control weeds. A complete mix ...



SYN-CO RIPARIAN

- 30% Creeping red fescue
- 10% Kentucky bluegrass
- 20% Timothy
- 10% Alsike clover
- 10% Annual ryegrass
- 20% Perennial ryegrass

Recommended seeding rate, 40 kg/ha

A riparian strip is much more than a simple collection of herbaceous and woody plants. It generates many ecological and economic services. In fact, it controls erosion, filters pollution, and it is an efficient ecosystem that welcomes flora and fauna. It also serves as a visual landmark in the landscape and helps to reduce certain costs. Undertaking the restoration of a riparian strip is no small feat. Indeed, it is one of the most important actions to ensure the water quality of lakes and rivers.





TABLES

Species table

-egei	nd:		
_	EVCEL	ı	_

Α	=	AVERAGE
Р	=	POOR

E = EXCELLENT VG = VERY GOOD G = GOOD A = AVERAGE P = POOR	Annual ryegrass	Fall rye	Radish	Mustard	Balansa clover	Berseem clover	Common vetch	Faba Bean	Forage pea	Phacelia	Oats	Chicory	Kale
Seeding rate (kg/ha)	4-25	25-132	8-15	5-12	7-20	7-14	11-40	40-200	20-100	5-12	17-70	5-6	8-15
Dry matter (t/ha/yr)	2,2-10	3,4-11	4,5-8	3,4-10	3-4	3,5-4,5	4,5-9	6-7	4,5-5,6	1,2-4,5	4-5	8-16	4-8
Nitrogen fixers					VG	Е	Е	Е	Е				
Nitrogen recovery	VG	Е	Е	VG	Α	G	G	Р	Α	Е	VG	Е	Е
Soil builder	VG	Е	VG	VG	Е	VG	Е	E	G	Е	VG	Е	VG
Erosion control	VG	Е	VG	VG	VG	VG	G	G	VG		Α	Е	VG
Weed suppression	VG	Е	Е	VG	VG	VG	Е	G	G	Α	Е	Е	Е
Allelopathic effect	G	Е	VG	VG			G		Α	Р	TB		VG
Quicker growing	VG	Е	VG	VG	Α	Α	VG	G	VG	Α	Е	Е	VG
Flood tolerant	VG	G	Α	Α	G	G	G	Α	Α	Р	Α	Р	Α
Drought tolerant	Α	Е	Α	VG	G	Α	VG	G	G		G	Е	Α
Decreasing compaction	G	Α	Е	Α	G	G	VG	G	Α	Р	Р	Е	Е
Frost tolerance	-8ºC	-15°C	-15ºC	-7ºC	-13ºC	-13ºC	-15ºC	-5ºC	-9ºC	-7ºC	-3ºC	-3ºC	-18ºC
Small box			Х	Х	Х	Х				Х		Х	Х
Brome box	Х												
Drill box		Х					Х	Х	Х		Х		

Note: The seeding rate varies depending on whether sown in combination or in pure

Mixes table

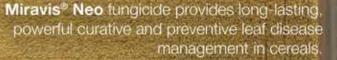
Legend: E = EXCELLENT VG = VERY GOOD G = GOOD A = AVERAGE P = POOR	Syn-Co stability	Syn-Co nitrogen	Syn-Co inter DUO	Syn-Co inter TRIO	Syn-Co riparian	Syn-Co biomass	Syn-Co late	Syn-Co Brassica
Seeding rate (kg/ha)	85-95	45-50	20	20	40	60	54	8
Nitrogen fixers	VG	Е	G	G	Р	Е	Р	Р
Nitrogen recovery	G	Α	G	VG	Α	Α	VG	Е
Soil builder	G	VG	Е	VG	VG	G	VG	Е
Erosion control	VG	VG	VG	VG	Е	TB	G	TB
Weed suppression	G	VG	VG	Е	G	G	Е	Е
Allelopathic effect	G	Α	G	VG	G	Α	VG	TB
Quicker growing	VG	G	G	VG	G	VG	Е	Е
Flood tolerant	Α	G	G	Α	G	Α	Α	M
Drought tolerant	G	G	G	Α	Α	G	G	M
Decreasing compaction	Α	G	G	VG	G	Α	Α	Е
Frost tolerance	-9ºC	-10°C	-10°C	-12ºC	-5°C	-10°C	-9ºC	-15°C
Small box		Х	Х	Х	Х			Х
Brome box			Х	Х	Х			
Box drill	Х	Х				Х	Х	

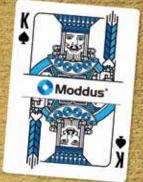
Stack the deck in your favour.

The Stacked Cereals™ lineup is your winning strategy for high performing wheat, barley and oats.



Megafol® liquid foliar biostimulant helps mitigate abiotic stress caused by drought, heat, low temperatures, and physical damage.





Moddus® plant growth regulator reduces the risk of lodging, keeping your crops standing upright until you're ready to harvest.

> Miravis® Ace fungicide is effective in managing fusarium head blight (FHB) as well as leaf diseases that occur later in the season







Our Syngenta Commitment

At Syngenta, we want to thank you for your business this season and wish you a successful harvest.

Our dedicated team is committed to helping you grow a higher quality crop with innovative crop protection products and agronomic advice tailored to your farm.

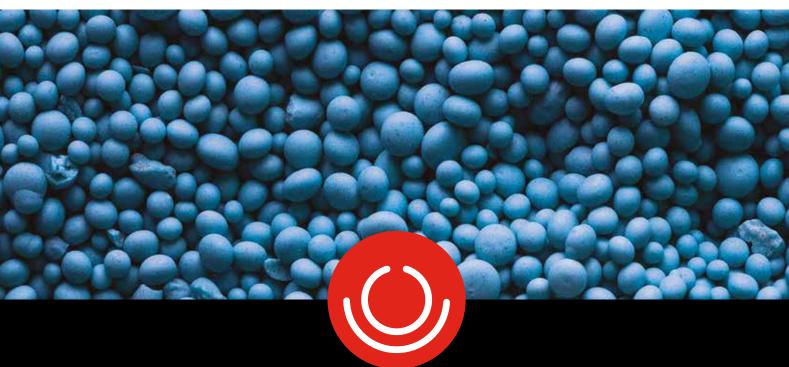
Whatever the season brings, we'll be there with the solutions and support you need.





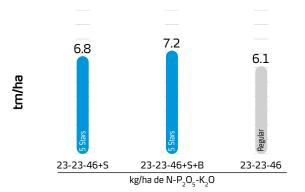
The composition of solid and liquid manure may not always align with the specific nutrient requirements of forage plants. To maintain soil fertility, balance, and ensure optimal growth and high-quality yields, the use of synthetic fertilizers becomes necessary. Synthetic fertilizers provide forage plants with the essential nutrients they need to thrive. In particular, the use of starter fertilizers is crucial for the success of forage crops. When plants are already established, they have an early demand for nutrients, especially during the spring season. However, during this time, the soil tends to be cold and wet, which limits its capacity to supply nutrients to the plants. This is where starter fertilizers come into play, providing the necessary nutrients directly to the plant's roots, bypassing the limitations of the soil conditions.





STARTERS IN FORAGE PLANTS

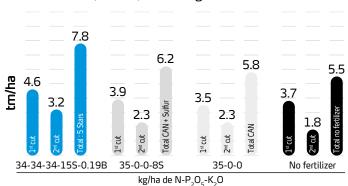
ALFALFA FERTILIZATION TESTS IN THE ESTRIE REGION, 2010. YIELD (KG/HA) AT THE 2ND CUT



Input after 1 application (after the 1st cut)

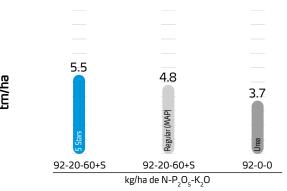
FERTILIZATION TESTS ON A 60% GRASS AND 40% LEGUMES (CLOVER) PRAIRIE, LAC-SAINT-JEAN, 2014 AND 2015

Yields (MT/ha) according to the treatments



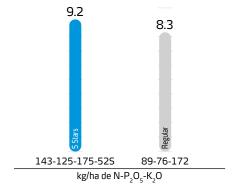
Input of a spring application

GRASS FERTILIZATION TESTS IN THE ESTRIE REGION, 2008. YIELD (KG/HA) AT THE 2ND CUT



Input after 2 applications (in the spring and after the $\mathbf{1}^{\text{st}}$ cut)

PROGRAM COMPARISONS (5* VS. REGULAR). TOTAL YIELDS AFTER FOUR CUTS IN SAINT-ALBERT, 2016.



Input after 3 applications (after 3 cuts)



PRESERVATIVES

PROTECT-FOIN PLUS... for dry hay or silage

Protect-Foin Plus is a 70% buffered organic acid (56% propionic and 16% acetic). It is a liquid mold inhibitor for legume and grass hay with high moisture content. It is non-corrosive. It helps reduce heat build-up and mold in pressed hay between 20% and 35% humidity when used as directed.

Recommendations								
% moisture	Small Bales	Large Square or Round Bales						
16 - 19	3 liters/TM	15 - 18	3 liters/TM					
20 – 24	5 liters/TM	19 – 22	6 liters/TM					
25 – 29	10 liters/TM							
The density is 1.065 kg per liter								

Seal the silage silo (last 15-20 MT) by adding PROTECT-FOIN PLUS (5 L/ton) on the top of the silo. Protect-Foin Plus is available in 20, 200 and 1,000 kg formats.

BIO-PLUS... for silage

200 g water soluble or 20 kg granular product (treats 40 MT of corn silage or 20 MT of grass silage). It's a unique and natural non corrosive product that combines 3 lactic bacteria and 3 enzymes.

A HOMOFERMENTATIVE inoculant

- Produces only lactic acid
- Lowers pH very quickly by preserving all sugars and producing very little heat
- Minimizes the loss of dry materials
- Improves the digestion of forage

MOLD-ZAP... for total mixed rations (TMRs) and silage

This is a unique mix of propionic and other buffered organic acids that blend to form a powerful mold inhibitor in TMRs and preserved foods.

The MOLD-ZAP:

- Reduces the heat caused by mold in TMRs, in coated feed and in silage exposed to air
- Improves savour thanks to its natural lemony taste
- Improves the quality of ingested feed
- Reduces waste in animal feed
- Helps reduce losses in animal production

APPLICATION RATE

1 kg/ton of finished feed (maximum 2 kg/ton in a TMR)
To seal the silo (the last 15 to 20 tons) add MOLD-ZAP (3 kg/ton)



Our SiloSolve® silage inoculant portfolio at a glance



	SiloSolve ^{MD} MC	SiloSolve ^{MD} AS	SiloSolve ^{MD} FC
Purpose	Microbial Control	Aerobic Stability	Fungal Control
Uses	Ideal for a range of crops, ideally those that are difficult to ensile (alfalfa) at lower DM (higher moisture) prone to Clostridic fermentation	Ideal for crops at higher DM (lower moisture) prone to heating at feedout due to yeasts and molds	Ideal for a broad range of crops, especially those that may be fed out early and require aerobic stability at feedout
Features	Fast starterStrong finisherPatented Clostridia inhibition	Fast starterStrong finisherNovel <i>L. buchneri</i> strain	Fast starterStrong finisherOxygen scavenging LABNovel <i>L. buchneri</i> strain
Benefits	 Fast and efficient fermentation Improved dry matter recovery Reduced ammonia nitrogen 	Fast and efficient fermentationAerobic stability	 Fast and efficient fermentation Improved dry matter recovery Aerobic stability Early feedout Superior mold and yeast inhibition
Crops	AlfalfaGrass/CloverCorn silageBarley silage	• Corn silage	AlfalfaGrass/LegumeCorn silageBarley silage
Strains/ Contents	 Enterococcus faecium Lactobacillus plantarum Lactococcus lactis	 Enterococcus faecium Lactobacillus plantarum Lactobacillus buchneri	• Lactobacillus buchneri • Lactococcus lactis
Dose	2g/treated ton - 150,000 cfu per gram of forage	2g/treated ton - 150,000 cfu per gram of forage	2g/treated ton - 150,000 cfu per gram of forage
Application Rate	2 g/treated ton	2 g/treated ton	2 g/treated ton
Packaging	• 200 g canister (100tt) • 1000 g canister (500tt)	• 200 g canister (100tt) • 1000 g canister (500tt)	• 200 g canister (100tt) • 1000 g canister (500tt)

Inoculant Quick Tips

- Use: Carefully read and follow all label directions for optimal use and performance.
- Storage: Store in original unopened canister in a cool, dry location. Once opened, maximize shelf-life by storing in a refrigerator with lid tightly closed.
- ✓ Water quality: If you can drink it, it is acceptable for inoculants.
- ✓ Water temperature: Maintain water temperature below 100°F for optimal effectiveness.
- Once mixed, discard unused inoculant after 48 hours.
- ✓ Rinse applicator well between uses.
- ✓ Clean and sanitize applicators regularly, especially before storage.
- Refer to the Chr Hansen Inoculant Handling Guide for more information.

PRESERVING THE QUALITY OF DRY HAY

Investing in the conservation of your hay is important. The vagaries of weather, namely the drought periods in recent years, have led to fodder shortages; hay is scarce, and this has an impact on its price. It is therefore important to properly store all harvested hay.

During baling, the application of buffered organic acids (a mixture of propionic and acetic acid) such as Protect-Foin Plus allows you to harvest hay with a few more humidity points. These additional humidity points provide a larger harvest window while ensuring high-quality hay.

Protect-Foin Plus slows down the development of mould as well as temperature increases in hay bales. This limits the loss of soluble sugars and reduces the amount of dust in the dry hay.





The mold inhibitor PROTECT FOIN PLUS stops the development of mold and the production of toxins, it also preserves the quality of your forage.

Protect Foin Plus reduces the risk of heating and dustiness.



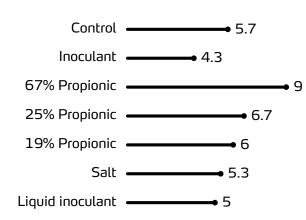
PROTECT-FOIN PLUS **MOULD INHIBITOR CONTAINS 56% PROPIONIC ACID** AND 14% ACETIC ACID.

According to Dan Undersander, the two most effective organic acids in maintaining fodder quality are propionic and acetic. He recommends using a mould inhibitor that contains a significant amount of propionic acid.1

- 1 Undersander, Dan, Hay Desiccants and Preservatives. University of Wisconsin Extension Cooperative, Agronomy Advice FC 12.4.1, revised July 1999. 2 Baron, V. S., and Greer, G. G., 1988. Comparison of Six Commercial Hay Preservatives Under Simulated Storage Conditions. Can. J. Anim. Sci. 68: 1195–12

In a study carried out by researchers at Agriculture and Agri-Food Canada in Lacombe, Alberta, six preservatives were laboratory tested in dry hay, including three concentrations of propionic acid, an inoculant, salt, and a liquid inoculant (a mix of lactic acid, etc.). Several parameters were measured such as temperature rise and mould growth. The researchers observed the lowest mould-growth and temperature increases with buffered propionic acid.² They used a mould index to assess the effectiveness of different additives: the higher the index (close to 10) the less mould in the hay.

Comparison of Six Mould Inhibitors -AAC, Lacombe, Alberta



Protect Foin Plus allows you to press the hay at a slightly higher humidity level while avoiding temperature rises and preserving its nutritional properties. Mould produces mycotoxins like aflatoxin, vomitoxin, and zearalenone. The presence of these toxins can cause problems in terms of reproduction, consumption, and immune response. The addition of Protect-Foin Plus mould inhibitor stops mould growth and toxin production, in addition to preserving fodder quality.

MAXIMUM PERCENTAGE OF HUMIDITY FOR OPTIMAL CONSERVATION

Type of Bale	Maximum Percentage of Humidity Without Protect-Foin Plus*
Small square bale	18%
Small tight square bale	15%
Round bale	14%
Large square bale	12%

^{*}Below 25% humidity, each dry matter point causes a loss of 1% of leaves. It is strongly recommended to apply Protect-Foin Plus when the percentage of humidity for each type of bale exceeds that indicated in the table.



CEREALS







In the CEREALS section, you will discover a variety of cultivars resulting from many years of research and development, which Synagri is proud to present.

These cultivars are distinguished by:

- exceptional yield potentials,
- tolerance to certain diseases, including fusarium head blight,
- remarkable bread-making quality with high protein levels,
- and a proven hulless barley for animal feed.

Additionally, several exciting new developments will be available over the next three years.

Stay tuned!



OATS



Mistral... for its whiteness

White oat who have a good resistance of leaf diseases

Recommended seeding rates: $350 \text{ to } 400 \text{ seeds/m}^2$ (135 to 155 kg/ha)



YIELD 100% Zone V

MATURITY

ONTARIO

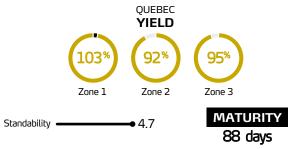
ndability ———— 3.8

89 days
Features index 1 to 9 (1 being more efficient)

AAC Banner... for oatmeal

Accepted by Quaker, oat with white almonds and a high level of B-Glucan, good disease tolerance.

Recommended seeding rates: $350 \text{ to } 400 \text{ seeds/m}^2$ (125 to 145 kg/ha)

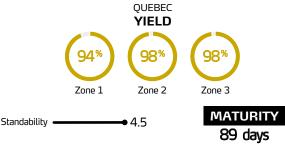


Features index 1 to 9 (1 being more efficient)

Synextra... the protein pro

Specific weight superior, solid and tall straw

Recommended seeding rates: $350 \text{ to } 400 \text{ seeds/m}^2$ (135 to 155 kg/ha)

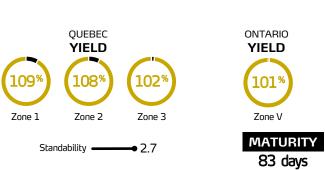


Features index 1 to 9 (1 being more efficient)

AAC Loki... yield superior

More yield than AAC Nicolas. High level of B-Glucan.

Recommended seeding rates: $350 \text{ to } 400 \text{ seeds/m}^2$ (135 to 150 kg/ha)



Features index 1 to 9 (1 being more efficient)



WHEAT

We offer four bread wheats, as well as two feed wheat. Each one has specific unique characteristics.



AAC Synox... superior quality

- Mid maturity
- Outstanding bread-making quality protein % around 15-16
- Good tolerance to Fusarium
- Accepted by Ontario Wheat Board (OWB)

Crop management positioning

Recommendations:

- Seeding rates 450 to 500 seeds/m² (180 to 200 kg/ha)
- Nitrogen dose: 120 to 140 kg/ha Intensive management: 150 kg/ha
- Fungicide: T1: If needed
 - T2: Recommended
 - T3: Recommended
- Growth regulator: recommended, especially in conditions where there is a risk of lodging.

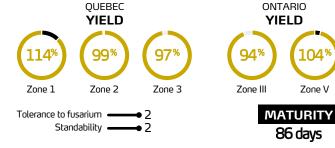
RGT Presidio... guaranteed yield

- A higher yielding wheat in all growing areas of Quebec
- Exceptional standability
- Suitable for high-performance management with phased fertilization and fungicides

Crop management positioning

Recommendations:

- Seeding rates 425 seeds/m² (165 kg/ha)
- Nitrogen dose: 125 to 150 kg/ha * according to yield potential.
- Fungicide: T1: If needed
 - T2: Essential
 - T3: Essential
- Growth regulator: in risk of lodging, otherwise not necessary.



QUEBEC

YIELD

Zone 2

Tolerance to fusarium

Standability — 1.6

Zone 3

Features index 1 to 9 (1 being more efficient)

MATURITY

88 days

Features index 1 to 9 (1 being more efficient)

Major... high tolerance to Fusarium

- None-bearded wheat, late maturing with long straw
- Admissible to Pool C of the OWB since 2012
- Major is one of Quebec bread wheat with the best tolerance to Fusarium head blight (index 2) in Eastern Canada

Crop management positioning

Recommendations:

- Seeding rates 495 to 575 seeds/m² (200 to 230 kg/ha)
- Nitrogen dose: 125 to 150 kg/ha
- Fungicide: T1: If needed
 - T2: If needed
 - T3: If needed
- Growth regulator: Recommended in conditions where there is a risk of lodging

Sirlaurier... new in our forage offering

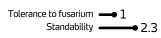


- Feed wheat
- For use in mixture or seeding alone
- Excellent yield and tolerance to Fusarium

Recommended seeding rates: 425 to 550 grains/m²

- Conventional: 180 to 185 kg/ha for an average seeding density of 425 seeds/m²
- High performance: 220 to 230 kg/ha for an average seeding density of 550 seeds/m²





QUEBEC **YIELD**

99%

Zone 2

Standability — 1.9

Tolerance to fusarium —]

Zone 3

Zone 1

MATURITY 91 days

Zone V

ONTARIO

YIELD

Zone V

MATURITY

89 days

Zone III

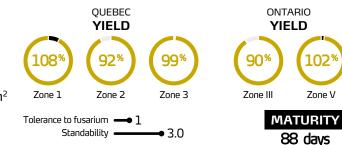
Features index 1 to 9 (1 being more efficient)

Features index 1 to 9 (1 being more efficient)

Audika... for quality and yield

- Excellent yield in all zone
- Good tolerance to diseases like rust and oïdium
- Excellent resistance to fusarium head blight
- Bread-making quality protein around 14%

Recommended seeding rates: 450 to 500 grains/m² (170 to 190 kg/ha)



Features index 1 to 9 (1 being more efficient)





Foliar Nutrition for Potato

If fa

YaraVita®

Foliar nutrition and coatings



YaraVita LAST N 25-0-0



NITROGEN



YaraVita HYDROPHOS



PHOSPHORUS



YaraVita AGRIPOTASH



POTASSIUM



YaraVita BORTRAC



BORON



YaraVita POWERBOR



CALONIUM BORON



YaraVita CALTRAC



CALCIUM



YaraVita HYDROMAG



MAGNESIUM



YaraVita ZINTRAC



ZINC

FCC Input Financing

Take up to 18 months to pay and simplify your cash flow



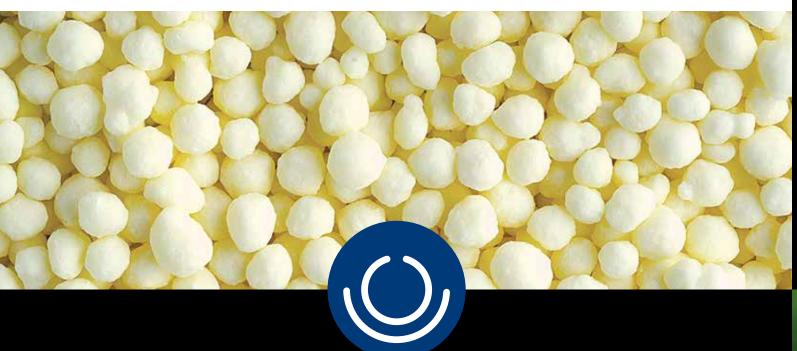
Learn how at fcc.ca/Inputs

Through dozens of tests carried out over three years, we have compared the financial profitability of several doses of nitrogen in wheat. You can clearly see in the graphs below that the higher the nitrogen dose, the higher the yields. The challenge is to determine at which nitrogen dose it is no longer profitable to add more. We were able to measure that the most profitable nitrogen dose levels are as follows:

Presidio wheat: 125 to 140 kg/ha. With more intensive management, 150 kg/ha is ideal. AAC Synox wheat: 110 to 130 kg/ha. With more intensive management, 150 kg/ha is ideal.

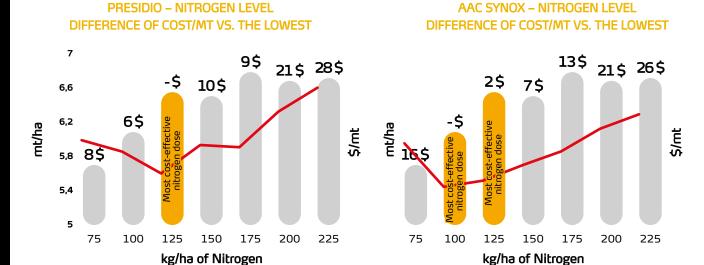
In fields with a lower yield potential, doses of 100 kg/ha are more suitable.





NITROGEN IN WHEAT

YaraBela® AXAN 27-0-0-3.75 (S) YaraVera® AMIDAS™ 40-0-0-5.5 (S)



Ideally, applications should be done as follows:

Legend: — Cost (\$)/mt

- 50 to 60 kg/ha of incorporated nitrogen in preplant (with YaraVera® AMIDAS™)
- 55 to 90 kg/ha of nitrogen at Z29 (with YaraBela® AXAN end tillering beginning of stem elongation)
- Nitrogen can also be fractionated by reducing by 25 kg/ha the dose at Z29, which will be added at Z39 (end of stem elongation, before boot stage) to improve protein level.



The primary goal of a liquid starter fertilizer, such as the 7-24-3 (5*), is to promote early plant growth and facilitate rapid root establishment. The effectiveness of a starter fertilizer lies in its ability to provide readily available phosphorus and facilitate quick absorption by the plant.



mt/ha

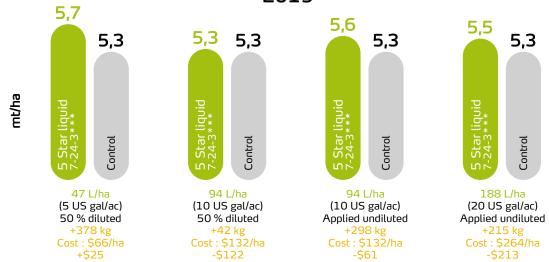


LIQUID STARTER IN WHEAT

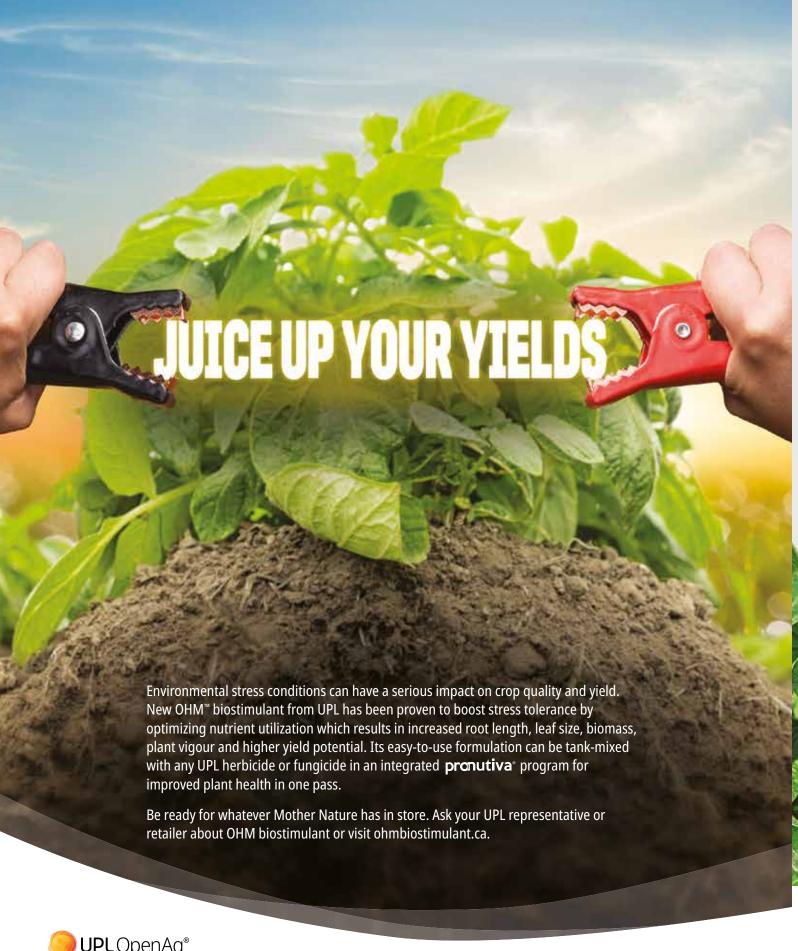
LIQUID STARTER TESTS WITH 7-24-3 (5)* APPLIED IN POP-UP PLACEMENT (NEAR THE SEED) 2018



LIQUID STARTER TESTS WITH 7-24-3 (5)* APPLIED IN POP-UP PLACEMENT (NEAR THE SEED) 2019







HIGH YIELDS AND CLEAN FIELDS.



High yields and clean fields. Choose Enlist E3[™] soybeans. For control of tough weeds, Enlist[™] herbicides offer choice and tank mix flexibility.

Enlist E3 soybeans. The best in beans. Period.













BARLEY



- A 6-row hulless barley that is particularly well adapted to the colder regions
- Variety developed for animal feed to replace corn
- in zones dedicated to small grains
- to reduce the impact of toxin content (vomitoxins)
- Very high volumetric weight
- Average straw and appearance
- Excellent Fusarium index

Crop management positioning

Recommendations:

- Seeding rates 415 to 485 seeds/m² (170 to 195 kg/ha)
- Nitrogen dose: 80 to 110 kg/ha
- Fungicide: T1: If needed
 - T2: If needed
 - T3: If needed

Growth regulator: Recommended

In 2019, trials showed a 20% yield increase.

Oceanik... a little early

- It's a check for the tolerance to Fusarium in the RGCQ
- Excellent yield in Ontario zone III
- One of the earliest barley varieties

Recommended seeding rates: 375 to 440 seeds/m² (180 to 200 kg/ha)



Standability — 1.6

Standability — 1.4

Tolerance to fusarium -



SPECIFIC WEIGHT (more than covered barley)

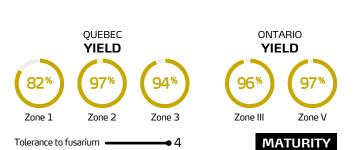






Features index 1 to 9 (1 being more efficient)





Features index 1 to 9 (1 being more efficient)

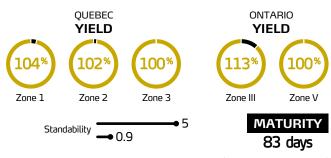
81 days

Waterloo... best yield in its category

In top 3 of the better in yield grains on market in all aeras.

- Long and solid straw
- Specific weight around 68 kg/hL

Recommended seeding rates: 375 to 440 seeds/m² (180 to 210 kg/ha)



Features index 1 to 9 (1 being more efficient)







THE BENEFITS OF HUMIC **SUBSTANCES FOR CROPS**

THE TECHNOLOGY THAT MAKES BIOSTIMULANT **AVAILABLE TO EVERY PLANT**

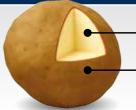
with BioSYN+ **↑ 13.7% or 55** cwt/ac **↑**

Increase your average yields in corn

Increase your net income *
(based on a potato price of \$15/cwt)

ACRES IN POTATO	BUSHEL YIELD	ADDITIONAL INCOME					
Based on an initial potato yield of 400 cwt/ac							
100	5 501	\$79 516					
250	13 753	\$198 791					
500	27 505	\$397 581					
1 000	55 011	\$795 162					

Potato price set at \$15/cwt



Fertilizer granule

BioSYN+

A biostimulant that coats the fertilizer and increases nutrient absorption

GUARANTEE UNIFORM DISTRIBUTION AND COVERAGE

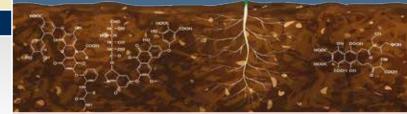


Potato yields obtained from field trials

BioSYN+ offers a formulation of biostimulants with proven performance

BioSYN+ improves

- Root growth
- Nutrient uptake
- Total biomass
- Growth rate
- Abiotic stress tolerance
- Early development and maturity



BioSYN+ Typical Analysis

- Humic Acids 11.8%
- Highly compatible with other fertilizer coating products, including micronutrients.
- Derived from Leonardite.

Cereals



NEW Portfolio of ALL IN cereal herbicides means one convenient containerno guesswork -- no worries.

The enhanced convenience of key active ingredients in one jug simplifies spray management without sacrificing agronomically effective weed control.

Scan the QR code below to check out ESTEEM ALL IN™, FORCEFIGHTER™ ALL IN, and RUSH 24 ALL IN™, as well as our other cereal solutions.



Soybeans



It's that simple.

The largest library of actives in the world offers you more choices for weed control in soybeans.

Herbicide products like PHANTOM® 240 SL provide growers with broadleaf and grassy weed control along with residual control to eliminate early-season weed competition.

Scan the QR code for more ADAMA solutions for soybeans.



Blueberries

Learn Deliver



SORATEL® fungicide, our first product featuring Asorbital® Formulation Technology, offers:

- 5% higher efficacy versus competitive products
- Improved leaf penetration into the plant
- Preventative, eradicative and curative control of multiple diseases including mummy berry.

Scan the QR code for more ADAMA solutions for blueberries.





Always read and follow label directions. Toll-free: 1.855.264.6262 Website: ADAMA.COM

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BARLEY



Cristiano Côrtes, Ph. D. Annie Perron, Agr. Vicky Poirier, Agr. Stéphanie Claveau, Biol., M. Env. Gérard Landry, Agr.



Context

In recent years, it has become increasingly popular among dairy farmers to optimize the use of farm-produced grains in their herd's feed. In more northern regions, such as the Saguenay-Lac-Saint-Jean region, the production of corn, the reference energy feed, is rather minimal due to the short growing season and the low corn heat units brought about by the climate. Companies are therefore constantly looking for crops with the characteristics needed to grow in northern conditions and that can be used to provide energy for their livestock feed. Since barley is an early cereal with a good energy source, it represents an interesting alternative.

Goals

To study the effects of hulless barley as a replacement for corn on the zootechnical and technical-economic performance of dairy cows under commercial farm conditions.

Methodology

Two homogeneous groups of cows at the start of the trial

Treatment	Corn (n = 15)	Hulless Barley (n = 15)
Lactation days	115	115
Parity	2.9	3
Milk production (kg)	41	41
Fat (%)	4.36	4.58
Protein (%)	3.51	3.45
SCC/ml	68,000	60,000
LPI	2,367	2,309

Ingredient	Corn	Hulless Barley
Supplement	1,208 g	243 g
Corn	3.4 kg	0
Hulless Barley	0	3.4 kg
Mineral	244 g	345 g

- Cow tracking;
- Bolus pH and temperature on two sentinel cows from each group;

RESEARCH AND DEVELOPMENT

• Milk components on six milk checks.

2018 Economic Study

Purchase price of ground corn	Purchase price of ground hulless barley			
(\$/t)	\$275 \$250		\$225	
\$255	\$138	\$169	\$200	
\$265	\$169	\$181	\$213	
\$275	\$200	\$194	\$225	
\$285	\$150	\$206	\$238	

Savings between \$6,900 and \$11,900 per year
for a herd of 50 cows

Purchase price of ground corn	Hulless barley yield (t/ha)				
Ğ (\$/t)	3	3.5	3.8	4	4.5
\$255	3.5	\$179	\$200	\$212	\$237
\$265	3.8	\$191	\$212	\$224	\$250
\$275	4	\$203	\$225	\$237	\$262
\$285	4.5	\$216	\$237	\$249	\$275

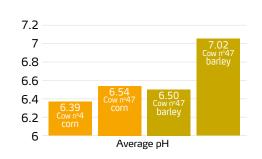
Savings between \$6,675 and \$13,750 per year

for a herd of 50 cows

Zootechnical Results

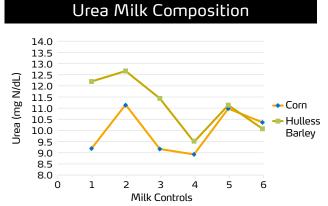
Treatment	Corn	Hulless Barley	P-value
Milk production (kg/day)	36.9	37.1	0.91
Milk production 4% (kg/day)	38.4	39	0.72
Milk composition (%)			
Fat (%)	4.36	4.42	0.44
Protein	3.51	3.55	0.34
Lactose	4.61	4.56	0.08
Total solids	13.53	13.53	0.73
Urea (N mg/dL)	9.94	11.25	< 0.001
SCC/ml	145,000	116,000	0.44

Average Ruminal pH Values of Four Sentinel Cows



Milk Fat Composition 4.70 4.65 4.60 in milk (%) 4.55 4.50 **→** Corn 4.45 ► Hulless 4.40 Fat Barley 4.35 4.30 4.25 4.20

Milk Controls



Conclusion

- Substitution of 38.5% of corn by hulless barley = equivalent zootechnical performances
- Hulless barley: an interesting alternative for northern regions and organic farms (non-GMO hulless barley)
- It is preferable to include hulless barley in a PMR or a TMR (avoid any sorting)
- Instead of purchase, on-farm hulless barley production is more advantageous if a yield of 4 t/ha or more is achieved.

Financial Partners



ACKNOWLEDGEMENTS

- Gabriel Guay and Jacob Gauthier (Ferme des Sureaux inc.)
- Cécile Tétreault, (Synagri)
- Frédérick Ouellet, agr.





Increase your average yields in corn

with BioSYN+

★ 3.9% @ 7.4bu/ac ★

Increase your net income*

ADDITIONAL

BUSHEL

YIELD

Based on an initial corn yield of 190 bu/ac

740

3 701

7 403

NET

ADDITIONAL

INCOME

\$3 631

\$18 153

\$36 305

\$90 763



BioSYN+

THE BENEFITS OF HUMIC **SUBSTANCES FOR CROPS**

THE TECHNOLOGY THAT MAKES BIOSTIMULANT **AVAILABLE TO EVERY PLANT**

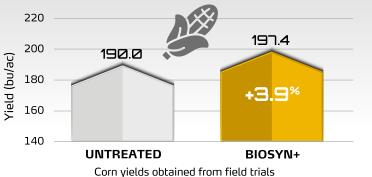
220 197.4

biostimulants with proven performance

Increase your average yields in corn with BioSYN+ biostimulant

5.0% a

Increase your net income* (based on a corn price of \$5.85/bu)



BioSYN+ offers a formulation of

FARM **ADDITIONAL** ACRES BUSHEL **ADDITIONAL** YIELD **IN CORN** Based on an initial corn yield of 190 bu/ac

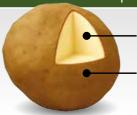
100 1140 \$5 669 5 700 \$28 345 250 \$56 690 500 11 400 1 000 28 500 \$141 725

Corn price set at \$5.85/bu

BioSYN+ improves

- Root growth
- Nutrient uptake
- Total biomass
- Growth rate
- Abiotic stress tolerance
- Early development and maturity

18 506 Corn price set at \$5.85/bu



FARM

ACRES

IN CORN

100

250

500

1 000

Fertilizer granule

BioSYN+

A biostimulant that coats the fertilizer and increases nutrient absorption

GUARANTEE UNIFORM DISTRIBUTION AND COVERAGE

BioSYN+ Typical Analysis

- Humic Acids 11.8%
- Highly compatible with other fertilizer coating products, including micronutrients.
- Derived from Leonardite.



BioSYN+

It is mixed with our superior quality liquid fertilizers

NET

INCOME

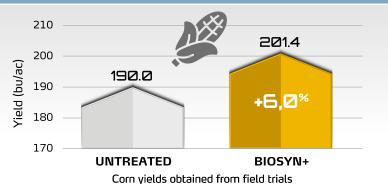
Powered by



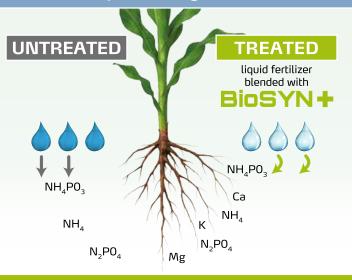
GUARANTEE UNIFORM DISTRIBUTION AND COVERAGE

BioSYN+ FORMULATED WITH BACTERIAL STRAINS THAT PROMOTE PLANT GROWTH

THE TECHNOLOGY THAT MAKES BIOSTIMULANT **AVAILABLE TO EVERY PLANT**



Ease of application – no special storage conditions



BioSYN+ improves

- Root development
- Plant vigor
- Yield potential and harvest quality
- Return on fertilizer investment



WINTER CEREALS

SYNAGRI CEREAL SEED MIXTURE

Possibility of making **special mixtures**, with the proportions and components of your choice, according to stock availability.

*A minimum number of bags is required.

Carnaval... doesn't feel the cold

- This feed quality wheat is adapted to our winter conditions
- The highest relative yield in its RGCQ trials
- Index 2 for Fusarium
- Very good winter survival, 95% average for 3 years
- Good quantity of straw with excellent resistance to lodging

Recommended seeding rates: $500 \text{ to } 550 \text{ seeds/m}^2$ (190 to 220 kg/ha)



Tolerance to fusarium $\longrightarrow 1$ Standability $\longrightarrow 1.3$

MATURITY iuly 10

Features index 1 to 9 (1 being more efficient)

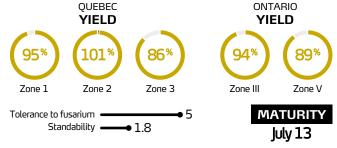


Pro 81...



It' a hard red winter wheat, with good resistance to diseases, Excellent winter survival and a good level of protein.

Recommended seeding rates: $500 \text{ to } 550 \text{ seeds/m}^2$ (190 to 210 kg/ha)



Features index 1 to 9 (1 being more efficient)

according to the nutritional needs required. Particular attention is always a priority in order to harmonize the maturity, length of straw and tolerance to lodging in the combined varieties.

All the SYNAGRI exclusive cereal seed mixtures are designed to ensure the best combination of varieties

Cereal Mixtures with 2 varieties...

to improve the nutritional value of oat

	Species	Varieties ¹	Seedind rate	Benefits
SEM 610	60% Wheat 40% Oat	Sirlaurier Mistral	140 kg/ha	 Protein and energy contribution from the wheat Curative, fibrous contribution from the oats Balanced mix in less fertile soils and a better nutritional yield

Cereal Mixtures with 3 varieties...

best mixtures for balance, in the field and in the barn

	Species	Varieties ¹	Seedind rate	Benefits
SEM 530	50% Wheat 25% Oat 25% Hulless Oat	Sirlaurier Mistral Lavoie	135 kg/ha	Possibility of seeding in a greater range of soils
SEM 520	50% Wheat 25% Oat 25% Barley	Sirlaurier Mistral Waterloo	135 kg/ha	Balanced nutritional ratioVery good yield potentialExcellent synergy between speciesGreat adaptability
SEM 350	35% Wheat 35% Peas 30% Oat	Sirlaurier CDC Meadow Mistral	165 kg/ha	 Uniform maturity, balanced mix Basis of a well-balanced animal feed Good protein input coming from peas and wheat Adaptable to every soil type

Cereal Mixtures with 4 varieties...

for constant and balanced mixtures

	Species	Varieties ¹	Seedind rate	Benefits
SEM 250	25% Wheat 25% Oat 25% Barley 25% Peas	Sirlaurier Mistral Waterloo CDC Meadow	165 kg/ha	 Diversified mix combining different species Very well-balanced to act as a base in quality animal feed Balanced components

1. Subject to availability

Facts on Cereal Mixtures

The components variation percentage (± 5%) is not necessarily the most important factor in the choice of a mixture. The environmental conditions in the current year determine the development of every component in the mixture. There is a complex relationship between seed characteristics and the environment in which they will compete with one another for space, water, nutriments and light. There are more advantages in growing mixtures in an uncertain farming environment.



70

:: Plant's breeder right of the International Union for the Protection of New Varieties of plants.

71



SYNAGRI FORAGE MIXTURE



Number of seeds to be sown by linear meter in relation to the disc row

60.8

Desired Number of Seeds per m²

450

68.4

80.1

Note: The desired population, in plants/m², represents 85% (minimum germination percentage required

for grade 1 pedigreed seeds) of the seeding density in seeds/m².

525

53.6

66.7

79.8

93.5

51

76

60.3

72.2

84.6

550

56.1

83.6

97.9

575

58.7

73

87.4

102.4 106.8

61.2

91.2

425

38.3 | 40.8 | 43.4 | 45.9 | 48.5

54

64.6

75.7

spacing and the desired number of seeds per square meter.

375

47.6

57

66.8

Forage Mixtures with 2 or 3 varieties...

for use as a cover crop, green crop harvested at the filling stage

	Species	Seedind rate	Benefits
SEM 500	50% Forage Oat ¹ 50% Forage Peas ²	120 kg/ha	 Mix similar to Sem 400 but without the wheat Totally appropriate for Quebec's cooler regions Better yield than seeding a single forage plant Oats contributes to yield and nutritional qualities Peas preserve quality in case of late harvest Helps ingestion
SEM 400	40% Forage Wheat 40% Forage Peas ² 20% Forage Oat ¹	130 kg/ha	 Extremely efficient mix that can attain 3,800 to 4,500 kg/ha of dry matter at the first cut Wheat has a better yield than oats, especially in warm regions Possible analysis of 16 to 20% total protein Adaptable to many types of storage Peas preserve quality in case of late harvest Can be grown in any soil type Good competition for weeds Maintains good soil

¹ CDC Haymaker ² Lacross (stock availability)

Seeding rate

Recommended seeding rates are given for guidance only; the weight of 1000 each specific grains each lot remains the best tool for the calculation of an accurate seeding.

 Spring Wheat
 425 to 550 seeds/m²

 Barley
 375 to 440 seeds/m²

 Oat
 350 to 400 seeds/m²

Seeding rate for different varieties used as a cover crop: -30% of the density of the seed suggested

1000 Seed Weight (TKW) in Grams of the Variety to Seed

Desired established	Seeding	3	30	3	32	3	4	3	6	3	8	4	-0		12	4	.4	4	16	4	18	5	50
population (plants/m²)	density (grains/m²)	lb/a	kg/ha																				
280	325	87	98	93	104	98	111	104	117	110	124	116	130	122	137	127	143	133	150	139	156	145	163
300	350	94	105	100	112	106	119	112	126	118	133	125	140	131	147	137	154	143	161	150	168	156	175
320	375	100	113	107	120	114	128	120	135	127	143	134	150	140	158	147	165	154	173	160	180	167	188
340	400	107	120	114	128	121	136	128	144	135	152	143	160	150	168	157	176	164	184	171	192	178	200
360	425	114	128	121	136	129	145	136	153	144	162	151	170	159	179	167	187	174	196	182	204	189	213
380	450	120	135	128	144	136	153	144	162	152	171	160	180	168	189	176	198	184	207	192	216	200	225
400	475	127	143	135	152	144	162	152	171	161	181	169	190	178	200	186	209	195	219	203	228	212	238
420	500	134	150	143	160	151	170	160	180	169	190	178	200	187	210	196	220	205	230	214	240	223	250
440	525	140	158	150	168	159	179	168	189	178	200	187	210	196	221	206	231	215	242	224	252	234	263
460	550	147	165	157	176	167	187	176	198	186	209	196	220	206	231	216	242	225	253	235	264	245	275
480	575	154	173	164	184	174	196	184	207	195	219	205	230	215	242	225	253	236	265	246	276	256	288
500	600	160	180	171	192	182	204	192	216	203	228	214	240	224	252	235	264	246	276	257	288	267	300

Row spacing

4

6

mm

102

127

152

178

325

33.2

41.3

49.4

57.9

35.7

53.2

30.6

45.6

Source: CPVQ 1988 - Spring Cereals

Determining the Seeding Rate

The seeding rate in kg/ha (lb/ac) is calculated according to the desired density and seed size (g/1000 seeds). For the same population, the smaller the seed, the lower the seeding rate.

 $kg/ha = (g/1000 \text{ seeds}) \times (\text{seeds/m}^2)/100$

Example of seeding rate calculation:

72

AAC Synox wheat weighing 40 g for 1000 seeds. For a seeding density of 450 seeds/ m^2 . (40 g/1000 seeds) × (450 seeds/ m^2)/100 = 180 kg/ha

You can also use the table above; Weight of 1,000 seeds in grams of the variety to be sown.

The first column represents the desired established population (plants/m²) in the field for a minimum germination of 85%. If the germination is higher, the established population will also be higher. The second column represents the seeding density (seeds/m²) to be used to obtain the desired final field population. This column should also be used to calculate the seeding rate. For example, if we use a seeding density of 450 seeds/m² and the germination rate of our seed is 85%, we can expect to have a population of 380 plants/m². The other columns of the table represent the seeding rate in kg/ha or lb/ac depending on the 1,000 seed weight (1st row).



THE HERBICIDE EQUIVALENT OF A SNEAK ATTACK.

Introducing residual control for corn that's unlike any other.

This is no ordinary residual. Surtain™ herbicide is a first-of-its-kind formulation that unleashes a sneak attack on broadleaf and grassy weeds in corn. Applied from pre- to early post-emerge, this powerful combination of Group 14 and 15 chemistry offers residual endurance, making Surtain an excellent tank-mix partner. And when it strikes, emerging weeds won't know what hit them. Visit agsolutions.ca/surtain to learn more.

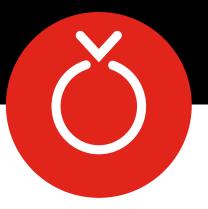
Surtain[™]
Herbicide

■ BASF
We create chemistry

PROUD TO This shirt has stories to tell. About amazing yields, once-in-a-hundred year storms and getting the last acre of seed in before the weather turns. It's been there for you. And so has the name on the front. DEKALB® will never stop delivering high-performing corn and soybean seed with the advanced genetics and traits you depend on, all backed by Bayer. No wonder it's the brand farmers are most willing to recommend* DEKALB.ca | 1 888-283-6847 | @DEKALB_Canada | @Bayer4CropsCA * Source: Stratus Ag Research (2024) Bayer, Bayer Cross, DEKALB and Design® and DEKALB® are registered trademarks of Bayer Group. Used under license. ©2025 Bayer Group. All rights reserved.

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3 and 5 star Granular

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



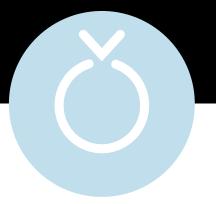
3 and 5 star Liquid

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.



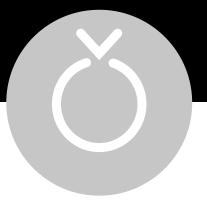
N-POWER BLUE

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

OUR FERTILIZER

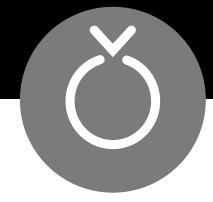
We are committed to developing and distributing high-quality fertilizers that help agricultural producers optimize their yields.

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.



SOYBEANS







Proud to Help Feed the World

For several years now, we have been evaluating several IP soybean varieties and continue to do so. Last year, we evaluated our different varieties according to different standards at CEROM. You can see the results for each of them.

We buybackall crops grown from our varieties through two trusted partners:

Synagri Range: Significant changes occured last year. Marketing will now be managed directly by Synagri, led by Mr. Francis Legendre, Seed Supply Coordinator (francis.legendre@synagri.ca). With over 14 years of experience at Synagri and collaborations with major grain merchants such as Bunge (now G3), Luthi-Grains, Élévateurs Desjardins, and Nova-Grain, Mr. Legendre brings a wealth of expertise to our operations.

Belcan Seeds Line: For this range, we collaborate with St-Lawrence Beans, utilizing their facility in Sainte-Marthe.

Lastly, our dedicated teams are here to support you every step of the way, from planting to harvest.



IP SOYBEANS

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

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

Protein and gr/kg = variable indicating data

Sevita develops quality food-grade varieties that are in demand in the highest value soybean markets in the world. Varieties that are bred in Canada to perform on Canadian acres. We continue to add new GM varieties with an array of industry-leading traits that allow you to take advantage of highly efficient weed control systems, resulting in improved yields and ultimately maximizing return on investment in your acres. Whether you grow food-grade or GM, we have the right soybean for your fields.

KYOTO... new reference against White Mold

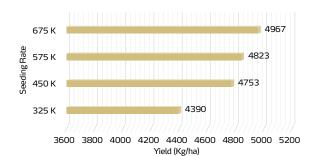
(2650 CHU)

- 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

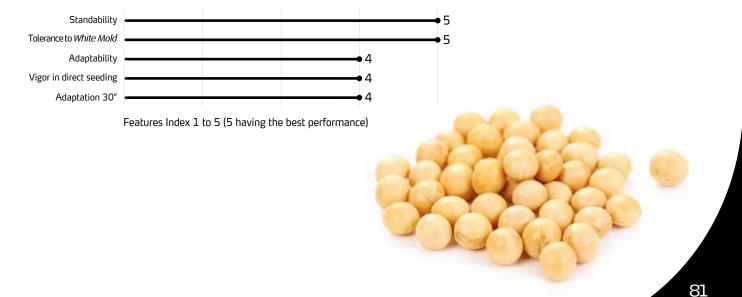
MANAGEMENT:

- 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

KYOTO (2650 CHU) Yield Trial (kg/ha) according to spacing and seeding rate (grains \times 1,000/ha) - Synagri R&D 2023



Research results from CEROM in 2024 confirm that higher seeding rates yield better yields. A rate of 500K/ha at 15 inches yielded the best yield. At 30 inches, a rate of 450K/ha yielded the best yield; 500K/ha at 30 inches was not evaluated.





IP SOYBEANS



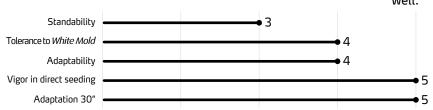
IKEDA... yield for your direct seeding with 30-inch spacing

(2725 CHU)

- Soybean that branches; ideal for seeding with 30-inch spacing seeding rate (grains x 1,000/ha) Synagri R&D 2023
- Excellent spring vigour
- Good yield for all spacings
- RGCQ (2020-2021) 107%
- RGCQ 30 inches (2020-2021) 112%
- Healthy plant
- Good standability

MANAGEMENT:

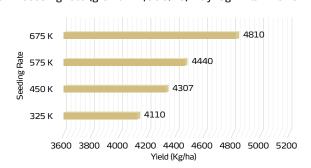
- Optimal at 15 & 30 inches (seeding rate 500 K & 350 K grains/ha respectively): R&D Synagri 2022
- Performance in all types of soil and suitable for direct seeding



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

IKEDA (2725 CHU)

Yield Trial (kg/ha) according to spacing and



The research results carried out at CEROM 2024 confirm that the best seeding rate at 30 inches is 350K/ha while for 15 inches 500K/ha gave the best yield but a lower seeding rate also did very well.

KAGAWA... yield and excellent tolerance to White Mold

(2750 CHU)

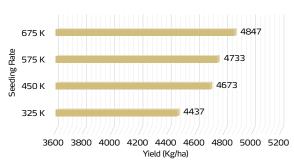
- Excellent tolerance to White Mold with a score of 1.0 RGCQ 2019
- Excellent standability
 - RGCQ* 2022 (average 1 year) 106%
- OSVT 2022 (average 3 years) 100% Winchester
- OSVT 2021 (average 2 years) 105%
- Good protein level at 43,6% at RGCQ* 2022

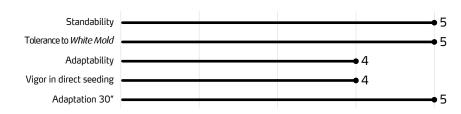
MANAGEMENT:

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

KAGAWA (2750 CHU)

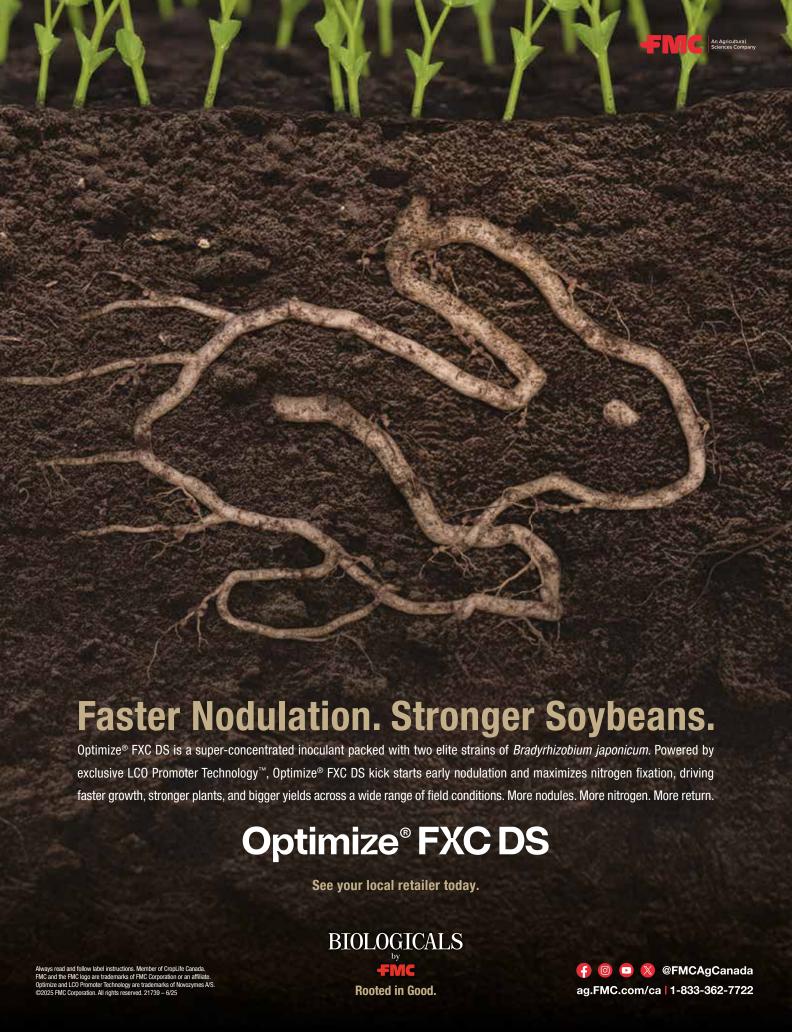
Yield Trial (kg/ha) according to spacing and seeding rate (grains x 1,000/ha) - Synagri R&D 2023





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

	Soybean seed drill calibration chart - Synagri 2024 -2025																
Soybean Seeding Rate		New Joseph Constant 10 Feet			Seeding Rate in kg/ha - (lb/ac) According to Seed Size (seeds/kg)												
Soybean	seeding Hate	Number Seeds per 10 Feet		4, 000		4,400		4,800		5,200		5,600		6,0	000		
seeds/ha	(seeds/ac)	7 ро	15 ро	30 ро	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)	



Oligo Prime®

CropBooster.

Exclusive to Synagri



additional on farm profit of \$42/acre!

It's guaranteed!*

* The manufacturer will guarantee a minimum yield increase equal in value to the input cost of the purchased CropBooster* OP. See the CropBooster* OP guaranteed performance program for details.



IP AND ORGANIC PRODUCTION CONTRACTS





	PRODUCT DESCRIPTION							
			Belcan Seed	s VARIETIES	/ARIETIES			
CHU		2650			2700			
VARIETIES		OAC CHAMPION			OAC EVOLUTION			
Seeds/kg		5,000			5,000			
Row spacing (inches)	7	15	30	7	15	30		
Number of seeds planted (x 1000)/ha *Ideal Rate	500	*500	475	450	*437	*350		
Seeding rate (kg/ha)	100	90	84	90	84	80		
Type of plant		Semi-bushy		Semi-bushy				
Height of plant (cm)		86		87				
Hilum colour		Imperfect yellow		Imperfect yellow				
Protein level (%)		42.0		40.0				
Yield		4.0		5.0				
Standability		4.0		4.8				
Disease resistance		4.5		4.5				
Adaptability		4.2		4.0				
Vigor		4.0		5.0				
Adaptation 30 inches		4.0		4.0				

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

OAC CHAMPION | 2650 CHU

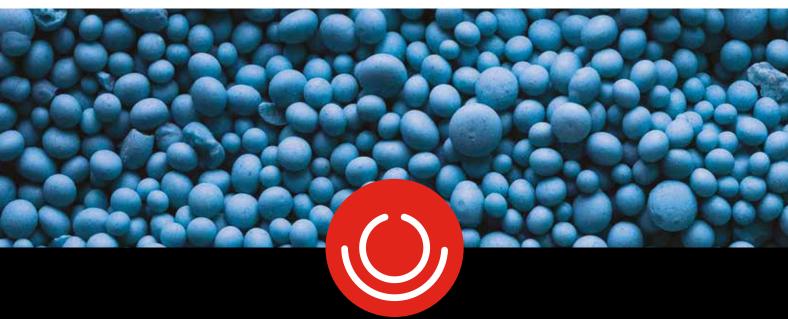
- Excellent tolerance to White Mold
 - OSVT 2024; 93%
- Very high demand on the IP market
- IP and Organic production contract available

OAC EVOLUTION | 2700 CHU

- Excellent tolerance to White Mold
- Excellent yield potential
- OSVT 2024; 107%
- Open loop (No harvest buyback obligations)

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.



IN SOYBEAN

a highly recommended approach



NITROGEN



PHOSPHORUS

5 STAR GRANULAR STARTER WITH MYCROSYN **TECHNOLOGY** vs NO STARTER

2015 2016 + 12 bu + 5 bu -\$22 + \$75

2017 + \$15



Number of replicates

- Site: Saint-Hyacinthe
- Source: R&D Synagri
- Soybean at \$12.25/bu

5 STAR GRANULAR STARTER vs POP-UP vs NONE 2018



95

89



+ \$38

2













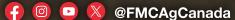
AUTHORITY

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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.

Stéphane Gagnon, agr. Agronomic Data Manager stephane.gagnon@synagri.ca



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 and Variable-Rate Seedling



Digital Farming Management Platform

Agronomic management of your fields with our representatives and experts in digital agriculture



THE MORE YOU KNOW, THE BETTER YOU'LL GROW.



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.

With FieldView, IT'S ALWAYS KNOWING SEASON.



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Increase your average yields in corn with BioSYN+ biostimulant

↑ 5.0% **○** 11.4^{bu/ac} **↑**

Increase your net income *

(based on a corn price of \$5.85/bu)

56\$/aC
*Including the cost of the produc

FARM ACRES IN CORN	ADDITIONAL BUSHEL YIELD	NET ADDITIONAL INCOME						
Based on an initial corn yield of 190 bu/ac								
100	1 140	\$5 669						
250	5 700	\$28 345						
500	11 400	\$56 690						
1 000	28 500	\$141 725						

Corn price set at \$5.85/bu



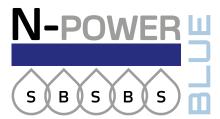
BioSYN+

It is mixed with our superior quality liquid fertilizers

Powered by



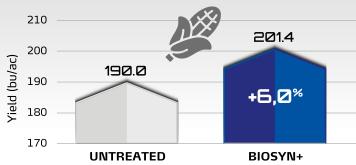
GUARANTEE UNIFORM
DISTRIBUTION AND COVERAGE



BioSYN+

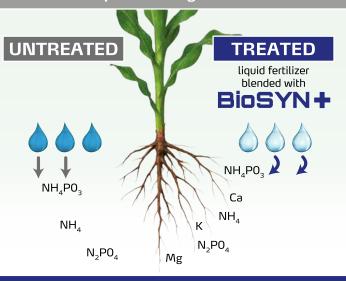
FORMULATED WITH BACTERIAL STRAINS
THAT PROMOTE PLANT GROWTH

THE TECHNOLOGY THAT MAKES BIOSTIMULANT AVAILABLE TO EVERY PLANT



Corn yields obtained from field trials

Ease of application – no special storage conditions



BioSYN+ improves

- Root development
- Plant vigor
- Yield potential and harvest quality
- Return on fertilizer investment



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