

LAWN SEEDS AND FERTILIZERS, FLOWER SEEDS, ORGANIC FERTILIZERS AND COMPOST

herbionik Perma-Green





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Table of Contents

Lawn seeds	Page /
Lawn fertilizers	Page 25
Covers	Page 33
Flower seeds	Page 37
Other seeds	Page 47
Organic fertilizers & compost	Page 57
Policies	Page 85



LAWN SEEDS

herbionik Perma-Green



Please note that recipes are subject to change without notice.

Herbionik® Fast Germination - Sun



BENEFITS:

Germination in 4-7 days

(with favourable conditions: soil temperature above 15°C and constant soil humidity)

Excellent resistance to disease, insects, foot traffic and drought

Fine, dense* and exceptionally green lawn

Contains very high-quality seeds selected for our climate

Naturally contains endophytes

INGREDIENTS:

40 % Creeping Red Fescue	Caesar / Temptation	
35 % Perennial Ryegrass	Amazing / Medaillon	*E
20 % Kentucky Bluegrass (coated)	Appalachian / Dauntless	
5 % Chewing Fescue	Culumbra II / Chancellor	*E

^{*}E = With endophytes

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
750 g (1.65 lb)	4000029	30 bags	30 m² (325 sq. ft.)	50 m² (540 sq. ft.)
1.5 kg (3.31 lb)	4000026	15 bags	60 m² (645 sq. ft.)	100 m ² (1 075 sq. ft.)
3.5 kg (7.72 lb)	4000028	6 bags	140 m² (1 500 sq. ft.)	235 m ² (2 530 sq. ft.)
10 kg (22.04 lb)	4000027	1 bag	400 m² (4 305 sq. ft.)	665 m ² (7 160 sq. ft.)
25 kg (44.08 lb)	4000120	1 bag	1 000 m² (10 765 sq. ft.)	1660 m² (17 870 sq. ft.)

^{*}The denser the lawn, the more difficult it is for weeds to establish themselves.



Herbionik® Heavy Shade

BENEFITS:

Contains very high-quality seeds selected for our climate

Dense lawn* in shady areas

Naturally contains endophytes

Selection of varieties that do well in shady areas

Ideal under trees

For best results, it is recommended to have at least 3 hours of direct sunlight per day.

INGREDIENTS:

55 % Creeping Red Fescue (coated)		*E
30 % Perennial Ryegrass (coated)	IQ / Ragnar II* / Citation III	*E
10 % Rough Bluegrass (coated)	Laser	
5 % Chewing Fescue (coated)	Chancellor / Survivor	*E

^{*}E = With endophytes

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
750 g (1.65 lb)	4000034	30 bags	30 m ² (325 sq. ft.)	50 m² (540 sq. ft.)
1.5 kg (3.31 lb)	4000030	15 bags	60 m² (645 sq. ft.)	100 m² (1 075 sq. ft.)
3.5 kg (7.72 lb)	4000033	6 bags	140 m² (1 500 sq. ft.)	235 m ² (2 530 sq. ft.)
10 kg (22.04 lb)	4000031	1 bag	400 m² (4 305 sq. ft.)	665 m² (7 160 sq. ft.)

^{*}The denser the lawn, the more difficult it is for weeds to establish themselves.



Herbionik® Low Maintenance

BENEFITS:

Multi-purpose ecological mix for low maintenance: needs less fertilizer, watering and mowing
Grows in poor or sandy soil, excellent for slopes

Excellent resistance to drought, disease and insects

Fine, dense* and exceptionally green lawn

Contains very high-quality seeds selected for our climate

Naturally contains endophytes

Mix suitable for full sun to part shade

INGREDIENTS:

45 % Fescue	Ceasar / Temptation	
20 % Perennial Ryegrass	Amazing / Medaillon	*E
20 % Kentucky Bluegrass (coated)	Appalachian / Dauntless	
10 % Chewing Fescue		*E

5 % Hard Fescue

*E = With endophytes

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
750 g (1.65 lb)	4000025	30 bags	30 m² (325 sq. ft.)	50 m ² (540 sq. ft.)
1.5 kg (3.31 lb)	4000021	15 bags	60 m² (645 sq. ft.)	100 m² (1 075 sq. ft.)
3.5 kg (7.72 lb)	4000024	6 bags	140 m² (1 500 sq. ft.)	235 m ² (2 530 sq. ft.)
10 kg (22.04 lb)	4000022	1 bag	400 m ² (4 305 sq. ft.)	665 m² (7 160 sq. ft.)

^{*}The denser the lawn, the more difficult it is for weeds to establish themselves.



Herbionik® Eco-Turf

BENEFITS:

Ecological mix containing **WHITE CLOVER**: will reach 30% to 45% white clover covered after 2 years

Multi-purpose and requires less fertilizer, watering and mowing

Adapts to a variety of soils and sun exposures

Excellent resistance to drought, diseases and insects

Fine, dense* and exceptionally green lawn

Contains very high-quality seeds selected for our climate

Naturally contains endophytes

Perfect mix for full sun to part shade.

INGREDIENTS:

45% Fescue	(Ceasar / Temptation)	
20% Perennial Ryegrass	Amazing / Medaillon	*E
17% Kentucky Bluegrass (coated)	Appalachian / Dauntless	
10% Chewing Fescue		*E
5% Hard Fescue		
3% White Clover	Huia	

 *E = With endophytes

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
750 g (1.65 lb)	4000020	30 bags	30 m² (325 sq. ft.)	50 m ² (540 sq. ft.)
1.5 kg (3.31 lb)	4000016	15 bags	60 m ² (645 sq. ft.)	100 m ² (1 075 sq. ft.)
3.5 kg (7.72 lb)	4000019	6 bags	140 m² (1 500 sq. ft.)	235 m ² (2 530 sq. ft.)
10 kg (22.04 lb)	4000017	1 bag	400 m² (4 305 sq. ft.)	665 m² (7 160 sq. ft.)
25 kg (44.08 lb)	6000904	1 sac	1 000 m² (10 765 sq. ft.)	1660 m² (17 870 sq. ft.)

^{*}The denser the lawn, the more difficult it is for weeds to establish themselves.

Herbionik® 60 % COATED Kentucky Bluegrass



BENEFITS:

Perfect for thickening an existing lawn

Ideal for sowing at the end of summer

Very high percentage of Kentucky bluegrass

Coating helps retain moisture

Naturally contains endophytes

INGREDIENTS:

60% Kentucky bluegrass	Coated Babe		
Coating	Ultracoat (phosphorus-containing polymer)	_	
20% Creeping red fescue	Aberdeen	*E	
20% Perennial ryegrass	Patriot IV / Ragnar II	*E	



*E = With endophytes

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
500 g (1.10 lb)	4000037	30 bags	20 m² (215 sq. ft.)	60 m² (645 sq. ft.)
1.36 kg (3.00 lb)	4000035	15 bags	55 m² (600 sq. ft.)	165 m² (1,775 sq. ft.)
10 kg (22.04 lb)	4000036	6 bags	400 m² (4,300 sq. ft.)	1 200 m ² (12,920 sq. ft.)

BIODEGRADABLE COATING*

Contains no toxic material

Safe for humans

Safe for the environment

Safe for bees

^{*}Coating colour may vary from one lot to another.

Herbionik® 100% Kentucky Bluegrass

Herbionik 100% Kentucky Bluegrass is meant to be used in conjunction with our Herbionik seeds for greater density of your lawn after existing lawn or new seeding.

BENEFITS:

High-performance, sod grower quality.

Makes your lawn denser and more resilient.

It has excellent resistance to foot traffic and drought and is well adapted to our climate.

Mixture of 3 Kentucky Bluegrass cultivars.

Ideal for mid-August to mid-September.

Germination period: 21 to 28 days.

INGREDIENTS:

40% Kentucky Bluegrass (meadow)	Diva
40% Kentucky Bluegrass (meadow)	Waterworks
20% Kentucky Bluegrass (meadow)	Brooklawn

 FORMAT
 CODE
 #BAGS/CASE
 BARE SOIL COVERAGE
 EXISTING LAWN COVERAGE

 750 g (1.65 lb)
 4000949
 30 bags
 75 m² (807 pi²)
 100 m² (1 076 pi²)



Varietal Blend Canada nº1

Herbionik® SOS Heavy Shade and SOS Fast Germination



Ideal for repairing an existing lawn

To replenish any sparse areas of your lawn and to quickly repair any damage caused by salt, dog urine, insects or disease.

A combination of 54% compost, **20% certified high-performance grass seed**, 25% natural fertilizers and 1% seaweed.



CHARACTERISTICS AND BENEFITS:

Granulated compost made from leaves and garden waste

Improves the water absorption capacity around the seeds for better germination

Herbionik® SOS Fast Germination germinates quickly, in 7 to 10 days under favourable conditions

Herbionik® SOS Heavy Shade quickly repairs shady areas of your lawn

5-5-3 natural fertilizer made of pure granulated composted poultry manure

100% natural dried Ascophyllum nodosum seaweed

A. nodosum contains macro- and micro-nutrients, as well as vitamins and amino acids.

FORMATS SOS fast germination	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
2 kg (4.41 lb)	4000159	8 bags	30 m² (320 sq. ft.)	15 m² (150 sq. ft.)
SOS Heavy shade				
2 kg (4.41 lb)	4000160	8 bags	30 m² (320 sq. ft.)	15 m² (150 sq. ft.)

Herbionik® B Mix



BENEFITS:

Multi-purpose ground cover

Grazing land mix*

Suitable for poor soils

Can be occasionally mowed, as needed

Product to suggest as a replacement for the 85% Timothy / 15% Alsike clover mix

INGREDIENTS:

55% Timothy grass

15% Red clover

15% Alsike clover*

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
2 kg (4.41 lb)	4000090	10 bags	80 m² (861 sq. ft.)	120 m² (1,292 sq. ft.)
10 kg (22.04 lb)	4000004	1 bag	400 m² (4,306 sq. ft.)	600 m² (6,460 sq. ft.)
25 kg (55,11 lb)	6000876	1 bag	1 000 m² (10,764 sq. ft.)	1 667 m² (17,943 sq. ft.)

^{*}Alsike clover is not recommended for horse grazing.

Herbionik® Coated White Clover

Sow with lawn grass seed preferably

Tolerates draught and low mowing

Bloom from June to October

Works as a green manure

More information:

Part of the Fabaceae family

Medium to slow growth

Propagated by stolons and seeds

Prefers cool and slightly moist soils

Prevents soil erosion (embankments, undergrowth)

Adapts to poor soils and a pH between 5.0 and 6.5

Fixes atmospheric nitrogen so that it can be absorbed by the roots, thanks to nodules that develop on the fine roots



Attracts honey bees and other pollinators

Does not produce thatch. This results in a higher risk of freezing in winter if used alone (without any lawn grasses).

Mix 750 g of white clover with 25 kg of lawn grasses to end up with 20% to 25% white clover after 3 years.

Height at maturity if not mowed: over 12 inches (over 30 cm)

Ingredients:

100% coated white clover

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
750 g (1.65 lb)	4000012	30 bags	75 m² (800 sq. ft.)	700 m ² (7 535 sq. ft.)
2 kg (4.41 lb)	4000011	10 bags	200 m² (2,150 sq. ft.)	1860 m² (20,020 sq. ft.)
10 kg (22.04 lb)	4000010	1 bag	1 000 m² (10,765 sq. ft.)	9 300 m² (100,100 sq. ft.)
25 kg (55.11 lb)	6000838	1 bag	2 500 m ² (26,900 sq. ft.)	23 250 m ² (255,170 sq. ft.)

BIODEGRADABLE COATING*

Contains no toxic material

Safe for humans

Safe for the environment

Safe for bees



^{*}Coating colour may vary from one lot to another.

Herbionik® Pipolina microclover (white)

Part of the Fabaceae family like its relative white clover, Pipolina microclover has smaller foliage and smaller and fewer flowers (when mowed).



More information:

Relatively slow growth, like common white clover

Propagated by stolons and seeds

Prefers cool, moist soils, but adapts very well to all soil types

Ideal companion for many lawn grasses

Can compete with many weeds

Discourages several harmful insects when used with lawn grasses

Naturally produces fewer flowers than white clover

This must be cut to take the desired height

Very good hardiness (zones 4 and 3 with good snow cover)

Requires regular mowing to maintain its dwarf size

Sow with lawn grass seed preferably

Attracts honey bees and other pollinators

Does not produce thatch. This results in a higher risk of freezing in winter if used alone (without any lawn grasses).

Tolerates very low mowing heights.

Height at maturity if not mowed: over 8 inches (over 20 cm)

FORMATS		CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
50 g (0.01	lb)	4000599	15 bags	10 m² (107 sq. ft.)	100 m² (1,075 sq. ft.)
500 g (1.10	lb)	4000301	6 bags	100 m² (1,075 sq. ft.)	1000 m² (10,760 sq. ft.)

BIODEGRADABLE COATING*

Contains no toxic material

Safe for humans

Safe for the environment

Safe for bees





Perma-Green® Sun

DESCRIPTION:

Economical mix, ideal for sunny locations

Naturally contains endophytes

INGREDIENTS:

45% Creeping Red Fescue (coated)

30 % Perennial Ryegrass (coated) *E

25 % Kentucky Bluegrass (coated)

*E = With endophytes



FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
750 g (1.65 lb)	4000045	30 bags	25 m ² (275 sq. ft.)	40 m² (425 sq. ft.)
1.8 kg (3.97 lb)	4000042	15 bags	60 m² (660 sq. ft.)	96 m² (1 020 sq. ft.)
10 kg (22.04 lb)	4000043	6 bags	300 m² (3 200 sq. ft.)	500 m ² (5 500 sq. ft.)
20 kg (44.09 lb)	4000044	1 bags	600 m² (6 400 sq. ft.)	1 000 m ² (11 000 sq. ft.)

Perma-Green® Universal

DESCRIPTION:

Economic mix, ideal for all locations

Low maintenance

Suitable for sun or shade

INGREDIENTS:

66% Creeping Red Fescue (coated)	*E
29 % Annual Ryegrass (coated)	

5 % Kentucky Bluegrass (coated)

 $^{\star}\mbox{May}$ be annual or perennial ryegrass



FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
750 g (1.65 lb)	4000049	30 bags	25 m² (275 sq. ft.)	40 m² (425 sq. ft.)
1.8 kg (3.97 lb)	4000046	12 bags	60 m² (660 sq. ft.)	96 m² (1,020 sq. ft.)
10 kg (22.04 lb)	4000047	1 bag	300 m ² (3,200 sq. ft.)	500 m² (5,500 sq. ft.)
20 kg (44.09 lb)	4000048	1 bag	600 m² (6,400 sq. ft.)	1 000 m² (11,000 sq. ft.)

40-40-20 Mix

DESCRIPTION:

Mix of high-quality species

Economical mix at a competitive price

Ideal for overseeding

Ideal for seeding large areas

INGREDIENTS:

40% Creeping red fescue

40% Perennial ryegrass

20% Kentucky bluegrass



FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
10 kg (22.04 lb)	4000195	1 bag	300 m ² (3,200 sq. ft.)	500 m ² (5,500 sq. ft.)
20 kg (44.09 lb)	4000196	1 bag	600 m² (6,400 sq. ft.)	1 000 m² (11,000 sq. ft.)

75-25 Mix

DESCRIPTION:

Economical mix at a competitive price

Mix of quality species coated at 50%

INGREDIENTS:

75%* Perennial ryegrass (coated)

25%* Kentucky bluegrass (Poa pratensis, meadow) (coated)

*50% coated



FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
10 kg (22.04 lb)	5001902	1 bag	232 m² (2 500 sq. ft.)	372 m² (4 000 sq. ft.)

PROFESSIONAL LAWN SEED

herbionik

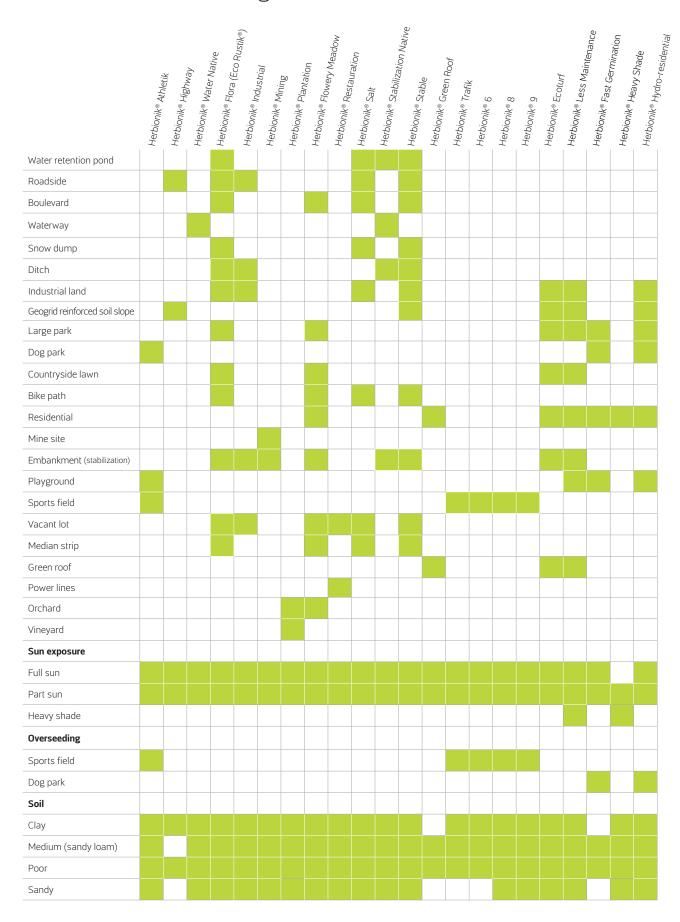


Herbionik® Seeds

These are custom seed mixes. Prices are net, without discount. Delivery in 4 to 7 days.

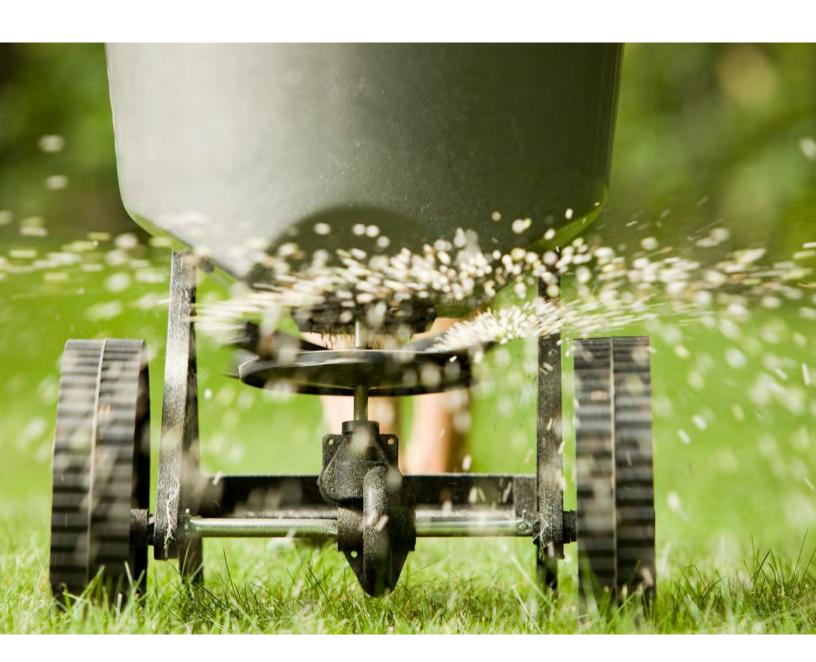
CODE	DDE PRODUCT	
6000886	Herbionik®Trafik	25 kg
4000153	Herbionik® 6	25 kg
4000183	Herbionik® 8	25 kg
4000154	Herbionik® 9	25 kg
4000141	Herbionik® Athletik	25 kg
4000142	Herbionik® Highway	25 kg
4000143	Herbionik® Water Native	25 kg
4000130	Herbionik®Flowers Annual	0.5 kg
4000131	Herbionik® Flowers Perennial/Annual	0.5 kg
3000129	Herbionik® Flowers Perennial/Annual + Grasses	0.5 kg
4000144	Herbionik® Flora (Eco-Rustik)	25 kg
4000146	Herbionik® Industrial	25 kg
4000272	Herbionik® Hydro-residential	25 kg
4000147	Herbionik® Mining	25 kg
4000148	Herbionik® Plantation	25 kg
4000127 & 4000125	Herbionik® Flowery Meadow	5 and 10 kg
4000149	Herbionik® Restoration	25 kg
4000179	Herbionik® Salt	25 kg
4000126 & 4000151	Herbionik® Stabilization Native	10 and 25 kg
4000170 & 4000180	Herbionik® Stable	10 and 25 kg
4000204	Herbionik®Green Roof	10 kg
4000123	Herbionik® Ray-Bionik® Perennial Ryegrass	22.7 kg
4000185	Xtra perennial ryegrass	22.7 kg

Herbionik® Seed Mix Usage Table



LAWN FERTILIZER

herbionik



Spring/Summer fertilizer

Herbionik® 7-1-3 Spring-Summer Formula







DESCRIPTION:

Natural fertilizer (leaf compost and composted poultry manure)

All-purpose fertilizer for lawns, vegetable gardens, flowers, fruit trees and hedges

Herbionik 7-1-3 Spring/Summer is a 100% natural fertilizer that improves the soil's biological activity and water retention capacity, thereby reducing drought stress.

It is an all-purpose fertilizer for lawns, vegetable gardens, flowers, fruit trees and hedges.

INGREDIENTS:

Feather meal, Composted poultry manure, Leaf compost, Potassium sulfate, Ascophyllum nodosum, Humic acid.

ANALYSE GARANTIE:

Total nitrogen (N)	7.0 %	Calcium (Ca)	1.8 %
Available phosphoric acid (P ₂ O ₅)	1.0 %	Organic matter	68.0 %
Soluble potassium (K ₂ 0)	3.0 %		

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
12 kg (26.5 lb)	4001187	1 bag	325 m ² (3 500 pi2)	1 kg / 30 m ² - 1 lb / 147 pi ²

Autumn fertilizer

Herbionik® 5-1-9 Autumn Formula







0.05 %

2.9 %

DESCRIPTION:

Helps prepare your lawn for winter

Natural fertilizer (leaf compost and composted poultry manure)

Organic matter 50 %

Herbionik 5-1-9 Autumn Formula is a 100% natural fertilizer that improves the soil's biological activity and water retention capacity, thereby reducing drought stress.

Calcium and potassium improve lawn hardiness to help get it through the winter

INGREDIENTS:

Feather meal, **Composted poultry manure**, **Leaf compost**, Sulphate of potash, Humic acid.

ANALYSE GARANTIE:

Total nitrogen (N)	5.0 %	Magnesium (Mg)
Available phosphoric acid (P ₂ O ₅)	1.0 %	Sulfur (S)
Soluble potassium (K ₂ 0)	9.0 %	Organic matter
Calcium (Ca)	3.4 %	

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	EXISTING LAWN COVERAGE
12 kg (26.5 lb)	4001188	1 sac	250 m ² (2 700 pi2)	1 kg / 27 m² - 1 lb / 132 pi²

Herbionik® Starter Fertilizer 12-18-8



DESCRIPTION:

Organic-based mineral fertilizer to promote rooting

The perfect fertilizer for applying before sowing a lawn or laying down sod to promote rapid establishment.

After mowing 2 to 3 times, apply 19-0-4 Maintenance Formula fertilizer for denser turf.

INGREDIENTS:

Calcium carbonate, magnesium carbonate, **composted poultry manure**, potassium chloride, ammonium phosphate, ferrous sulfate, iron oxide, ulexite, manganese sulfate, manganese oxide, zinc sulfate, zinc oxide, sodium molybdate, urea

GUARANTEED ANALYSIS:

Total nitrogen (N)	12.0 %
Urea nitrogen⁺	4.4 %
Ammoniacal nitrogen	6.9 %
Water-insoluble nitrogen (WIN)	0.4 %
Other water-soluble nitrogen**	0.3 %
\ast 3.0% nitrogen stabilized with dicyandiamide (DCD) and N-(n-butyl) – $\ast\ast$ 0.7% slow-release nitrogen from organic sources	
Available phosphoric acid (P ₂ O ₅)	18.0 %
Soluble potassium (K ₂ 0)	8.0 %
Calcium (Ca)	5.8 %

Magnesium (Mg)	2.0 %	
Actual boron (B)	0.02 %	
Actual iron (Fe)	0.15 %	
Actual manganese (Mn)	0.07 %	
Actual molybdenum (Mo)	0.0006 %	
Actual zinc (Zn)	0.06 %	
Organic matter	15.0 %	

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	APPLICATION
2 kg (4.41 lb)	4000133	8 bags	60 m² (660 sq. ft.)	1 kg / 30 m ² - 1 lb / 150 sq. ft.

Spring fertilizer



Herbionik® Rooting Formula 19-6-4

DESCRIPTION:

Ideally applied before laying down sod or sowing lawn seed

Promotes lawn regrowth by stimulating root development

The organic matter (15%) in the fertilizer activates the soil biology and nourishes your lawn

Promotes rapid greening

26% slow release over 8 to 10 weeks

INGREDIENTS:

Total nitrogen (N)

Calcium carbonate, magnesium carbonate, potassium chloride, **composted poultry manure**, ammonium phosphate, ferrous sulfate, iron oxide, ulexite, manganese sulfate, manganese oxide, zinc sulfate, zinc oxide, sodium molybdate, urea, sulfur- and polymer-coated urea

19.0 %

GUARANTEED ANALYSIS:

Urea nitrogen*	15.92 %
Ammoniacal nitrogen	3.08 %
\star 4.4% slow-release nitrogen from polymer- and sulfur-coated urea	
Available phosphoric acid (P ₂ O ₅)	6.0 %
Soluble potassium (K ₂ 0)	4.0 %
Calcium (Ca)	2.7 %
Magnesium (Mg)	1.1 %

Actual boron (B)	0.05 %
Actual iron (Fe)	0.44 %
Actual manganese (Mn)	0.12 %
Actual zinc (Zn)	0.11 %
Actual molybdenum (Mo)	0.0012 %
Organic matter	15 %
Maximum water content	10 %

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	APPLICATION
9 kg / 90 per pallet	4000134	1 bag	360 m² (3,968 sq. ft.)	1 kg / 40 m ² - 1 lb / 200 sq. ft.

Summer fertilizer

Herbionik® Maintenance Formula 19-0-4

PHOSPHATE-FREE



DESCRIPTION:

Organic-based mineral fertilizer for summer (maintenance)

Can be used as a spring fertilizer in municipalities where added phosphorus is prohibited

Rich in micronutrients and phosphate-free

The organic matter (15%) in the fertilizer activates the soil biology and nourishes your lawn

Promotes rapid greening

50% slow release over 8 to 10 weeks

INGREDIENTS:

Calcium carbonate, magnesium carbonate, **leaf compost, composted poultry manure**, potassium chloride, ferrous sulfate, iron oxide, ulexite, manganese sulfate, manganese oxide, zinc sulfate, zinc oxide, sodium molybdate, urea, sulfur- and polymer-coated urea

GUARANTEED ANALYSIS:

Total nitrogen (N)	19.0 %
Urea nitrogen*	18.3 %
Water-insoluble nitrogen (WIN)	0.4 %
Other water-soluble nitrogen**	0.3 %
* 8.8% slow-release nitrogen from polymer- and sulfur- coated urea ** 0.7% slow-release nitrogen from organic matter	
Soluble potassium (K ₂ 0)	4.0 %
Calcium (Ca)	3.7 %
Magnesium (Mg)	1.1 %
Sulfur (S)	1.2 %

Actual boron (B)	0.05%
Actual iron (Fe)	0.29 %
Actual manganese (Mn)	0.13 %
Actual molybdenum (Mo)	0.0012 %
Actual zinc (Zn)	0.12 %
Organic matter	15 %
Maximum water content	10 %

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	APPLICATION
9 kg / 90 per pallet	4000135	1 bag	360 m ² (3,968 sq. ft.)	1 kg / 40 m ² - 1 lb / 200 sq. ft.

Herbionik® Autumn Formula 8-0-14

PHOSPHATE-FREE



DESCRIPTION:

Organic-based mineral fertilizer for fall

Rich in micronutrients and phosphate-free

Calcium and potassium improve lawn hardiness to help get through the winter

The organic matter (15%) in the fertilizer activates the soil biology and nourishes your lawn

33% slow release over 8 to 10 weeks

INGREDIENTS:

Calcium carbonate, magnesium carbonate, **leaf compost, composted poultry manure**, potassium chloride, ferrous sulfate, iron oxide, ulexite, manganese sulfate, manganese oxide, zinc sulfate, zinc oxide, sodium molybdate, urea, sulfur- and polymer-coated urea

GUARANTEED ANALYSIS:

Total nitrogen (N)	8.0 %
Urea nitrogen*	7.3 %
Water-insoluble nitrogen (WIN)	0.4 %
Other water-soluble nitrogen**	0.3 %
* 1.9% slow-release nitrogen from polymer- and sulfur- coated urea ** 0.7% slow-release nitrogen from organic matter	
Soluble potassium (K ₂ 0)	14.0 %
Calcium (Ca)	6.7 %
Magnesium (Mg)	1.0 %

Actual boron (B)	0.05 %
Actual iron (Fe)	0.29 %
Actual manganese (Mn)	0.13 %
Actual molybdenum (Mo)	0.0012 %
Actual zinc (Zn)	0.12 %
Organic matter	15 %
Maximum water content	10 %

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE	APPLICATION
9 kg / 90 per pallet	4000136	1 bag	360 m² (3,968 sq. ft.)	1 kg / 40 m² - 1 lb / 200 sq. ft.)

gloco.ca Catalog 2024 31

Herbionik® fertilizing Program

Organic-based mineral fertilizer

3 500 à 3 968 sq. ft.) (325 à 368 m²)

TIME OF YEAR*	PRODUCTS	APPLICATION METRIC / IMPERIAL	QUANTITY
Early May	Rooting formula 19-6-4	$1 kg / 40 m^2 (1 lb / 200 sq. ft.))$	9 kg
Mid-June	Maintenance formula 19-0-4	1 kg / 40 m² (1 lb / 200 sq. ft.))	9 kg
Early September	Autumn formula 8-0-14	1 kg / 40 m² (1 lb / 200 sq. ft.))	9 kg

1 750 sq. ft.) (160 m²)

(demi-sac)

TIME OF YEAR*	PRODUCTS	APPLICATION METRIC / IMPERIAL	QUANTITY
Early May	Rooting formula 19-6-4	$1 \text{ kg} / 40 \text{ m}^2 (1 \text{ lb} / 200 \text{ sq. ft.})$	4.5 kg
Mid-June	Rooting formula 19-6-4	1 kg / 40 m² (1 lb / 200 sq. ft.)	4.5 kg
Early September	Autumn formula 8-0-14	1 kg / 40 m² (1 lb / 200 sq. ft.)	4.5 kg

Herbionik® fertilizing Program

PHOSPHATE-FREE

Organic-based mineral fertilizer

3 500 à 3 968 sq. ft.) (325 à 368 m²)

TIME OF YEAR*	PRODUCTS	APPLICATION METRIC / IMPERIAL	QUANTITY
Early May	Maintenance formula 19-0-4	$1 \text{ kg} / 40 \text{ m}^2 (1 \text{ lb} / 200 \text{ sq. ft.})$	9 kg
Mid-June	Maintenance formula 19-0-4	1 kg / 40 m² (1 lb / 200 sq. ft.)	9 kg
Early September	Autumn formula 8-0-14	1 kg / 40 m² (1 lb / 200 sq. ft.)	9 kg

1 750 sq. ft.) (160 m²)

(demi-sac)

TIME OF YEAR*	PRODUCTS	APPLICATION METRIC / IMPERIAL	QUANTITY
Early May	Maintenance formula 19-0-4	$1 \text{ kg} / 40 \text{ m}^2 (1 \text{ lb} / 200 \text{ sq. ft.})$	4.5 kg
Mid-June	Maintenance formula 19-0-4	1 kg / 40 m² (1 lb / 200 sq. ft.)	4.5 kg
Early September	Autumn formula 8-0-14	1 kg / 40 m² (1 lb / 200 sq. ft.)	4.5 kg

^{*}Note that the timing may vary depending on the region and the temperature.

COVERS herbionik



Herbionik® Germination and Protection Covers





Highly durable multi-purpose cover that accelerates germination of seeds in the spring and protects your lawn in the fall (see page 40 for details).

FORMATS	CODE	CASES
4' x 25'	4000107	16 rolls
8' x 25'	4000109	10 rolls
8 x 300'	4000108	1 roll
Staples (packet)	4000128	1 pack of 16
Staples	4000122	Box of 500





Results obtained with the Herbionik® germination cover

Make the most of the fall by dormant seeding with Herbionik® seeds and save time in the spring thanks to the microclimate created by the Herbionik® protection cover



ONE cover, SEVERAL uses

1- IMPROVES GERMINATION

The Herbionik cover improves and can even accelerate seed germination, both for new lawns and when overseeding an existing lawn.

Method:

After spreading your soil, roll, fertilize and sow; then place the Herbionik® cover on the surface and affix it with Herbionik® $2" \times 6"$ (5 x 15 cm) staples every 4 feet (1.25 m).

It's important to leave the cover in place **only while the seeds are germinating**, and to remove it once the grass is growing to give it access to sunlight.



2- EXTEND THE GARDENING SEASON

The Herbionik® protection cover protects from night frost in the spring It's particularly good for young vegetable and berry plants. It can prolong the growth and ripening of vegetables and berries in the fall until mid-October.

Method:

Install the Herbionik® protection cover around your vegetable garden when there is a risk of frost at night. Only leave the cover in place for nights with an expected risk of frost. Remove it during the day, especially if it's warm and sunny.



3- MINIMIZE LAWN CLEAN-UP IN THE SPRING

The Herbionik® protection cover protects against debris from snow removal along the edges of roads or anywhere that snow is deposited. This minimizes springtime clean-up.

Method:

Lay Herbionik® protection cover over the surface to be protected, especially in the area where snow is piled up, and fix it with Herbionik® $2" \times 6"$ (5 x 15 cm) staples every 4 feet (1.25 m).

In the spring, you should remove it once the snow melts in order to clear away the waste that has accumulated over the winter. Once it has been cleaned, you can reinstall it to speed up your lawn's regrowth.



4- PROTECT HEDGES

You can use the Herbionik® cover for winter protection of hedges. In addition to protecting your trees and shrubs for the cold season, the Herbionik® cover prevents cedar hedges from being eaten by deer! They often like to munch on the branches found at their height (around 40 to 160 cm).

Method:

Establish a perimeter with stakes and attach the Herbionik® protection cover to it along the length of the trees and shrubs to be protected. Ensure that the cover doesn't touch the leaves. In the spring, remove the Herbionik® cover before the growing season (as soon as the snow melts).



FLOWER SEEDS







Herbionik® Eco-Rustik **Urban mix**

Fosters biodiversity

Easy to sow and maintain

Perennial and annual plants



Size	Flower Seeds	Buckwheat hulls
175 g	25 g	150 g
1 kg	125 g	875 g

NOM LATIN	NOM FRANÇAIS	NOM ANGLAIS	RECETTE	VIV	ANN	BI- ANN	COULEUR
Alyssum saxatile	Aurinie des rochers / corbeille d'or	Golden alyssum	3,31	Х			•
Arabis alpina	Arabette des Alpes	Alpine rockcress	1,66	Х			0
Aubrieta deltoidea	Aubriétie deltoïde	Purple rock cress	1,65	Х			•
Bellis perennis	Pâquerette vivace	English daisy	1,65	Х			• 0 •
Chrysanthemum paludosum	Chrysanthème des marais	Creeping daisy	1,66		х		0
Dianthus chinensis	Oeillet de Chine	Rainbow pink	6,62		Х		• 0 •
Dianthus deltoides	Oeillet à delta	Maiden pink	1,65	Х			• 0 •
Eschscholzia caespitosa	Pavot touffu	Tufted poppy	6,62		х		•
Lasthenia glabrata	Asthénie à rayons jaunes	Yellowray goldfields	1,65		х		•
Lobularia maritima	Alysse (ou alysson) maritime	Sweet alyssum	0,83	Х			0
Malcolmia maritima	Phacélie campanulée	Virginia stock	3,31		Х		0 • •
Nemophila maculata	Emophile Maculée	Five spot	33,09		х		0 • •
Nemophila menziesii	Némophile	Baby Blue Eyes	14,80		х		•
Phacelia campanularia	Giroflée de Mahon	California Bluebell	3,30		Х		•
Sanvitalia procumbens	Sanvitalie procumbens	Creeping Zinnia	3,31		х		•
Saponaria ocymoides	Saponaire de Montpellier	Soapwort	1,65	Х			•
Silene pendula	Silène pleureur	Nodding Catchfly	6,62	Х	Х		•
Viola cornuta	Pensée à corne	Johnny Jump-Up	6,62	Х	Х		• •

Mix is subject to change without notice.



Sow in: Spring



Height: 12" (30 cm)



Flowering: May to October

38

FORMATS

1 kg (2.2 lb)

175 g (0,39 lb)

CODE

#BAGS/CASE

BARE SOIL COVERAGE

4001415

1 bag

25 m² (265 sq. ft.)

4001416

10 bags

5 m² (50 sq. ft.)



Herbionik® Eco-Rustik Harmony of Colours

Annual 66%, biennial 34%

Mix of **ANNUAL FLOWERS** that produce a fast and blooming result throughout the season.



Size	Flower Seeds	Buckwheat hulls
175 g	25 g	150 g
1 kg	125 g	875 g

LATIN NAME	FRENCH NAME	ENGLISH NAME	RECIPE	PER	ANN	BIENN	COLOR
Ammi majus	Ammi élevé	Bishop's Flower	1,0 %		х		0
Calendula officinalis	Souci officinal ou Souci des Jardins	Scoth-marigold / Calendula Fancy Fox	10,0 %		Х		•
Centaurea cyanus	Bleuet des champs	Cornflower / Bachelor button	10,0 %			х	•
Clarkia amonea		Godetia amœna / Farewell to spring	2,0 %		х		•
Clarkia elegans	Clarkia Elegant	Clarkia Mix	2,0 %		Х	х	9
Coreopsis tinctoria	Coréopsis	Plains coreopsis / golden tickseed	6,0 %		Х	х	• •
Cosmos bipinnatus	Cosmos bipinnatus	Cosmos sensation Mix	4,0 %		Х	×	• • •
Cosmos sulphureus	Cosmos sulfureux	Sulphure cosmos	4,0 %		х		9
Cynoglossum amabile	Langue-de-chien	Chinese Forget Me not	20,0 %			х	•
Delphinium consolida	Pied d'Alouette	Forking Larkspur	2,0 %		х		• • 0
Gypsophila elegans	Souffle de bébé	Baby's breath	20,0 %		х		0
Helianthus annuus	Tournesol / Grand So- leil / Soleil des Jardins	Sunflower Sunspot	4,0 %		х		•
Lavatera trimestris	Lavatère à grande fleurs / Mauve en arbre	Treemallow / Rose mallow	5,0 %		х		•
Linum rubrum	Lin rouge	Scarlet flax	4,0 %		х		•
Papaver rhœas	Coquelicot ou Ponceau	Field poppy or Red poppy / Corn Poppy	2,0 %		Х		•
Silene armeria	Compagnon rouge	Catchfly	4,0 %			Х	•

Mix is subject to change without notice.



Sow in: Spring



Height: 30 to 120 cm (1 to 4 ft.)



Flowering: May to October

FORMATS

1 kg (2.2 lb)

175 g (0,39 lb)

CODE **#BAGS/CASE** **BARE SOIL COVERAGE**

25 m² (265 sq. ft.)

4001318

4001403

10 bags

1 bag

5 m² (50 sq. ft.)

Catalog 2024 39 gloco.ca



Herbionik® Eco-Rustik Bucolic

Perenial 20% Annual 20% biennial 60%

Adapted mix for our landscape scene that brings a variety of colored flowers throughout the season.



Size	Flower Seeds	Buckwheat hulls
175 g	25 g	150 g
1 kg	125 g	875 g

LATIN NAME	FRENCH NAME	ENGLISH NAME	RECIPE	PER	ANN	BIENN	COLOR
Achillea millefolium	Achillée millefeuille	Common yarrow	1,0 %	х			0
Centaurea cyanus	Bleuet des champs	Cornflower / Bachelor button	5,0 %		х		•
Cheiranthus allionii	Erysimum hybride allionii	Siberian wallflower	10,0 %			х	•
Chrysanthemum maximum ou Leucanthemum superbum	Marguerite d'été	Shasta Daisy	1,5 %	Х			0
Coreopsis tinctoria	Coréopsis	Plains coreopsis / golden tickseed	4,0 %			Х	• •
Cosmos bipinnatus	Cosmos bipinnatus	Cosmos sensation	6,0 %			х	• • •
Cosmos sulphureus	Cosmos sulfureux	Sulphure cosmos	10,0 %			Х	•
Dianthus barbatus	Œillet de poète	Sweeet william	1,5 %	Х			• 0
Dimorphotheca sinuata	Dimorphotéque jaune	African daisy flake	5,0 %	Х			• •
Eschscholzia californica	Pavot de Californie	California Poppy	12,0 %		Х		•
Gaillardia aristata	Gaillarde aristée	Blanketflower	1,0 %		х		• •
Gypsophila elegans	Souffle de bébé	Baby's breath	16,0 %			х	0
Linaria maroccana	Linaire réticulée	Spurred snapdragon	1,0 %			х	•
Linum usitatissumum	Lin bleu	Blue Flax	11,0 %			Х	•
Lobularia maritima	Lobulaire maritime	Sweet alyssum	6,0 %	Х			0
Papaver rhœas	Coquelicot ou Ponceau	Field poppy or Red poppy	2,0 %		х		•
Ratibida columnifera	Sombrero mexicain	Prairie coneflower	2,0 %			х	•
Rudbeckia hirta	Rudbeckie hérissée	Black eyed Susan	2,0 %	Х			•
Silene armeria	Compagnon rouge	Catchfly	3,0 %	Х			•

Mix is subject to change without notice.



Sow in: Spring



Height: 60 to 120 cm (2 to 4 ft.)



Flowering: May to October

FORMATS

CODE

#BAGS/CASE 1 bag **BARE SOIL COVERAGE**

1 kg (2.2 lb)

4000100

25 m² (265 sq. ft.)

175 g (0,39 lb)

4001317 10 bags

5 m² (50 sq. ft.)



Herbionik® Eco-Rustik Partial Shade Garden

27% perennials, 54% annuals, 19% biennials

Brightens up your garden almost instantly

Easy to sow and maintain

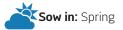
Requires 3 to 4 hours of sun: perfect for shady areas



Size	Flower Seeds	Buckwheat hulls
175 g	25 g	150 g
1 kg	125 g	875 g

LATIN NAME	FRENCH NAME	ENGLISH NAME	RECIPE	PER	ANN	BIENN	COLOR
Aquilegia caerulea	Ancolie Origami Mix	Columbine Giant	0.77 %	х			•
Aquilegia vulgariss	Ancolie commune	Columbine Dwarf	0.77 %	х			• •
Campanula carpatica	Campanule des Carpatesµ	Bellflower Tussock	0.37 %	х			•
Chrysanthemum maximum	Marguerite d'été	Shasta Daisy	4.60 %	х			0
Clarkia unguiculata	Fleur de satin	Clarkia	1.01 %		х		0
Collinsia heterophylla	Pagode chinoise	Chinese Houses	4.60 %		х		•
Coreopsis tinctoria	Œil de Jeune fille	Lance Leaf Coreopsis	9.21 %	Х			• •
Cynoglossum amabile	Langue-de-chien	Chinese Forget Me not	0.77 %			Х	•
Delphinium consolida	Pied d'Alouette	Forking Larkspur	6.14 %		х		• • 0
Dianthus barbatus	Œillet de poète	Sweet et william	4.60 %	х			• 0
Echinacea purpurea	Echinacée pourpe / Rudbeckie pourpe	Purple conflower	5.00 %	х			•
Gypsophila elegans	Souffle de bébé	Baby's breath	9.21 %		Х		0
Iberis umbellata	Iberis en ombelle	Candytuft annual	11.51 %		х		0
Linaria maroccana	Linaire réticulée	Spurred snapdragon	3.07 %		х		•
Myosotis sylvatica	Mon ami bleu	Forget-Me-Not	18.42 %			×	• 0
Nemophila menziesii	Nemophile bleu a grande fleurs	Baby Blue-Eyes	12.28 %		х		•
Papaver rhœas	Coquelicot ou Ponceau	Field pooy or Red poppy / Corn Poppy	6.14 %		х		•
Viola cornuta	Pensée à cornes	Johnny Jump-Up	1.53 %	х			• •

Mix is subject to change without notice.





CODE

Height: 15 to 90 cm (1/2 to 3 ft.)

#BAGS/CASE



Flowering: May to October

FORMATS

1 kg (2.2 lb) 175 g (0,39 lb)

4001404 1 bag

BARE SOIL COVERAGE 25 m² (265 sq. ft.)

4001319 10 bags $5 \text{ m}^2 (50 \text{ sq. ft.})$

gloco.ca Catalog 2024 41



Herbionik® Eco-Rustik **Butterfly and Bird**

21% perennials, 64% annuals, 15% biennials

Brightens up your garden almost instantly

Attracts butterflies and birds



Size	Flower Seeds	Buckwheat hulls
175 g	25 g	150 g
1 kg	125 g	875 g

LATIN NAME	FRENCH NAME	ENGLISH NAME	RECIPE	PER	ANN	BIENN	COLOR
Cosmos bipinnatus	Cosmos bipinnatus	Cosmos sensation Mix	10 %		х		• • •
Cynoglossum amabile	Langue-de-chien	Chinese Forget Me not	15,0 %			×	•
Delphinium consolida	Pied d'Alouette	Forking Larkspur	3,0 %		х		• • 0
Echinacea purpurea	Echinacée pourpe / Rudbeckie pourpe	Purple conflower	3,0 %	Х			•
Gypsophila elegans	Souffle de bébé	Baby's breath	10,0 %		х		\circ
Lavatera trimestris	Lavatère à grande fleurs / Mauve en arbre	Treemallow / rose mallow	5,0 %		х		• 0
Linaria maroccana	Linaire réticulée	Spurred snapdragon	1,0 %		Х		•
Lobularia maritima	Lobulaire maritime	Sweet alyssum	3,0 %	Х			\circ
Lupinus perennis	Lupin	Perennial Lupine	10,0 %	Х			•
Papaver rhœas	Coquelicot ou Ponceau	Field poppy or Red poppy / Corn Poppy	3,0 %		х		• •
Rudbeckia hirta	Rudbeckie hérissée	Black eyed Susan	2,0 %	Х			• •
Silene armeria	Compagnon rouge	Catchfly	3,0 %	х			•
Trifolium incarnatum	Trèfle incarnat	Crimson clover	10,0 %		х		•
Tropaeolum majus	Capucine	Nasturtium	15,0 %		х		•
Zinnia elegans	Zinnia élégant	Zinnia	7,0 %		х		•

Mix is subject to change without notice.



Sow in: Spring



Height: 60 to 240 cm (2 to 8 ft.)



Flowering: May to October

FORMATS	CODE	#BAGS/CASE	BARE SOIL COVERAGE

1 kg (2.2 lb)

175 g (0,39 lb)

4001405

1 bag

25 m² (265 sq. ft.)

4001320

10 bags

5 m² (50 sq. ft.)

Catalog 2024 42 gloco.ca



Herbionik® Eco-Rustik Flowering Meadow

37% perennials, 53% annuals, 10% biennials

Attracts pollinators

Fosters biodiversity



Size	Flower Seeds	Buckwheat hulls
175 g	25 g	150 g
1 kg	125 g	875 g

LATIN NAME	FRENCH NAME	ENGLISH NAME	RECIPE	PER	ANN	BIENN	COLOR
Centaurea cyanus	Bleuet des champs	Cornflower / Bachelor button	6,0 %		х		•
Cheitranthus allionii	Erysimum hybride allionii	Siberian wallflower	10,0 %			х	•
Chrysanthemum maximum ou Leucanthemum superbum	Marguerite d'été	Shasta Daisy	2,0 %	Х			0
Coreopsis lanceolata	Œil de Jeune fille	Lance Leaf Coreopsis	3,0 %	Х			•
Coreopsis tinctoria	Coréopsis	Plains coreopsis / golden tickseed	7,0 %		х		• •
Delphinium consolida	Pied d'Alouette	Forking Larkspur	5,0 %		Х		• • •
Echinacea purpurea	Echinacée pourpe / Rudbeckie pourpe	Purple conflower	5,0 %	X			•
Eschscholzia californica	Pavot de Californie	California Poppy	3,0 %		Х		•
Gaillardia aristata	Gaillarde aristée	Blanketflower	1,0 %	Х			• •
Gypsophila elegans	Souffle de bébé	Baby's breath	15,0 %		х		0
Helianthus annuus	Tournesol / Grand Soleil / Soleil des Jardins	Sunflower Sunspot	10,0 %		Х		• •
Linaria maroccana	Linaire réticulée	Spurred snapdragon	1,0 %		Х		•
Linum rubrum	Lin rouge	Scarlet flax	4,0 %		х		•
Lupinus perennis	Lupin	Perennial Lupine	20,0 %	Х			•
Papaver rhœas	Coquelicot ou Ponceau	Field poppy or Red poppy / Corn Poppy	2,0 %		х		•
Rudbeckia hirta	Rudbeckie hérissée	Black eyed Susan	2,0 %	Х			•
Silene armeria	Compagnon rouge	Catchfly	4,0 %	Х			•

Mix is subject to change without notice.



Sow in: Spring



Height: 60 to 210 cm (2 to 7 ft.)



Flowering: May to October

FORMATS

CODE

#BAGS/CASE

1 bag

10 bags

BARE SOIL COVERAGE

1 kg (2.2 lb)

4000104

25 m² (265 sq. ft.)

175 g (0,39 lb)

4001321

5 m² (50sq. ft.)



Herbionik® Eco-Rustik **Edible Flowers**

35% perennials, 44% annuals, 21% biennials

From the garden to the table

Attracts butterflies, birds and pollinators

Easy to sow and maintain



Size	Flower Seeds	Buckwheat hulls
175 g	25 g	150 g
1 kg	125 g	875 g

LATIN NAME	FRENCH NAME	ENGLISH NAME	RECIPE	PER	ANN	BIENN	COLOR
Tropaeolum majus	Capucine	Large Indian cress	1,20%		х		•
Calendula officinalis	Souci officinal ou Souci des Jardins	Garden Marigold	7,30%		х		•
Contauros gyanus	Bleuet des champs	Bachelor Button	7.60%				
Centaurea cyanus	bledet des Champs	Cornflower	7,00%		Х		•
Alcea rosea	Rose trémière	Hollyhock, Annual	3,10%		Х		0
Coriandrum sativum	Coriande	Coriander, Cilantro	3,30%		х		0
Tagetes erecta	Rose d'Inde	African Marigold	7,00%		х		• •
Echinacea purpurea	Echinacée pourpe / Rudbeckie pourpre	Purple Coneflower	5,60%	Х			•
Chrysanthemum coronarium	Chrysanthème à couronnes	Chrysanthemum, Daisy	6,10%		х		0 •
Ocimum basilicum	Basilic aux sauces	Basil	8,70%		Х		0
Dianthus barbatus	Œillet de poète	Sweet William	7,20%			×	0
Cichorium intybus	Chicorée sauvage	Chicory	7,30%	х			•
Viola cornuta	Pensée à cornes	Violet, Johnny-Jump-Up	6,20%	Х			• • •
Lobularia maritima	Lobulaire maritime	Sweet Alyssum	7,10%			Х	0
Myosotis alpestris		Forget-me-not	3,50%	х			•
Monarda fistulosa	Monarde fistuleuse	Bee Balm	4,80%	х			•
Bellis perennis	Pâquerette vivace	English Daisy	6,80%			Х	0
Papaver rhoeas	Coquelicot ou Ponceau	Field poppy or Red poppy / Corn Poppy	7,20%	х			•

Mix is subject to change without notice.



Sow in: Spring



Height: 10 cm to 1.8 m (1/3 to 6 ft.)



Flowering: June to October

FORMATS

1 kg (2.2 lb)

175 g (0,39 lb)

CODE

#BAGS/CASE

BARE SOIL COVERAGE

4001401

1 bag

25 m² (265 sq. ft.)

4001322 10 bags $5 \text{ m}^2 (50 \text{ sq. ft.})$

Catalog 2024 gloco.ca



Herbionik® Eco-Rustik **Dwarf Creeping Thyme**

Minimum 3g of dwarf creeping thyme (over 19000 seeds)

Slow to establish: many weeks to germinate

Requires sun, warmth and special attention (see point 4)

Requires little maintenance once established

Alternative to grass turf (takes longer to establish than a lawn)

Does not tolerate intense foot traffic

Sowing method:

- 1. The surface must be clear of all debris, stones and piles of soil. Work the soil to a depth of 10 cm (4 inches) and then level the surface.
- 2. Shake the bag to mix the the seeds and the substrate well. Broadcast seeds.

IMPORTANT: do not cover the thyme seeds, with soil, simply level and moisten the surface.

- 3. Water regularly to keep the seedbed moist but not saturated not saturated with water, until seedlings are established, then then occasionally in summer.
- 4. Use with the Herbionik® germination and protection cover, which creates a microclimate for faster germination (2-4 weeks)

Germination: 21 days (ideal soil temperature: 20-22°C)





Sow in: Full sun Height: 5 to 10 cm (2-4 inchs)



Flowering: June and July

FORMATS

CODE

#BAGS/CASE

BARE SOIL COVERAGE

900 g (1,98 lb)

4001407

1 bag

28 m² (300 sq. ft.)

OTHER SEEDS



JAHER SEEDS

85% Timothy grass 15% Alsike clover

DESCRIPTION:

Multi-purpose ground cover
Suitable for poor soils
Rapid germination

INGREDIENTS:

85% Timothy grass

15% Alsike clover*

*Alsike clover is not recommended for horse grazing.



FORMATS	CODE	#BAG/CASE	BARE SOIL COVERAGE
10 kg (22.04 lb)	4000000	1 bag	700 m² (7,535 sq. ft.)
25 kg (44.09 lb)	4000002	1 bag	1 750 m² (18,830 sq. ft.)

Note: A 750 g format is also available, but it can only be ordered during the booking period between October and February (30 bags/case).



THER SEEDS

Timothy

DESCRIPTION:

Suitable for cool and damp soils

Multi-purpose ground cover

Very resistant (except during extended droughts)

INGREDIENTS:

100% Timothy grass



FORMATS	CODE	#BAG/CASE	BARE SOIL COVERAGE
10 kg (22.04 lb)	4000091	1 bag	700 m² (7,535 sq. ft.)
25 kg (44.09 lb)	6000783	1 bag	1 750 m² (18,830 sq. ft.)

Note: A 2 kg format is also available, but it can only be ordered during the booking period between October and February (10 bags/case).



THER SEEDS

Buckwheat

DESCRIPTION:

A hardy plant that establishes itself quickly. Competes very well against weeds. Buckwheat is known to take up phosphate that is unavailable to other crops.

BENEFITS:

For maintaining your garden between crops.

Helps revitalize the soil while increasing the amount of organic matter.

Crowds out weeds to clean up the soil.

INSTRUCTIONS:

Use alone, without any other green manure plants.

Sow and cover with a thin layer of soil.

+*213Keep soil moist (not saturated).

Wait 6 to 8 weeks, mow before seed production and work clippings into the soil.

You can continually cut off the flowers to maintain the plants throughout the season without seed production.

INGREDIENTS:

100 % Buckwheat

 FORMATS
 CODE
 #BAG/CASE
 BARE SOIL COVERAGE

 25 kg (55.11 lb)
 6000833
 1 bag
 2 000 m² (21,520 sq. ft.)

Note: A 750 g format is also available, but it can only be ordered during the booking period between October and February (10 bags/case).





Fall Rye

DESCRIPTION:

Belongs to the grass family.

Competes well with weeds and can even smother them.

Improves soil structure with a high intake of organic matter and humus.

Its deep roots aerate the soil and reduce erosion.

Revitalizes the soil.

INSTRUCTIONS:

Seed and cover with a thin layer of topsoil.

Keep soil moist (do not saturate).

Wait 6 to 8 weeks, cut before seed production and work into the earth.

Note: Plants that are cut in the fall but not buried have a high chance of re-sprouting in the spring. In this case, they can be buried in the spring before the new crop is sown.



100 % Fall rye



Note: A 750 g format is also available, but it can only be ordered during the booking period between October and February (10 bags/case).





OTHER SEEDS

Herbionik[®] Green Manure Mix

DESCRIPTION:

Contains different green manure cover crops to revitalize your soil

Use early in the season, after a crop or in the fall

General-purpose mix that can be used in a vegetable garden or larger areas (fields)

GREEN

MANURE

herbionik

Crowds out weeds and undesired plants

Improves soil structure by adding large amounts of organic matter and humus

Deep roots aerate the soil and protect against erosion

Revitalizes soil while promoting the soil biology that benefits roots

INSTRUCTIONS:

Sow on bare ground.

Cover with a thin layer of soil.

Water and keep soil moist (not soggy) during germination.

Wait 6 to 8 weeks, mow **before seed production**.

Work the plants and clippings into the earth.

Can be cut down several times per season to limit seedling.

INGREDIENTS:

44% Field pea	3% Annual ryegrass
41% Fall rye	2% Lacy 250 phacelia

10% Hairy vetch

FORMATS	CODE	#BAG/CASE	BARE SOIL COVERAGE
500 g (1.1 lb)	4000882	12 bags	76 m² (818 sq. ft.)
5 kg (11 lh)	4000883	1 hag	760 m² (8 180 sq. ft.)









Green manure plants are an environmentally sound way to add nutrients to the soil. They aerate the soil by means of their root systems and provide natural nutrition after being mowed and buried.

They are also used in crop rotation to limit weeds.

Adds organic matter to soils

Improves soil structure

Ideal for your garden

IMPORTANT:

Must be buried before seed head production

NATURALIZATION



Herbionik® Prairie Mixes

Table of Heights

CODE	NATURALIZING MIXES	HEIGHT AT MATURITY	AVERAGE HEIGHT
5001030	Herbionik® Prairie LOW for dry soils	125 à 190 cm	150-180 cm
5001031	Herbionik® Prairie HIGH for dry soils	180 à 240 cm	200 cm
5001032	Herbionik® Prairie CLAY HIGH for medium - clay soils	125 à 300 cm	150 à 190 cm
5001033	Herbionik® Prairie CLAY LOW for medium - clay soils	60 à 90 cm	65 cm
5001034	Herbionik® Prairie BIODIVERSITY for dry soils	125 à 240 cm	150 à 180 cm
5001035	Herbionik® Prairie BIODIVERSITY for medium soils	125 à 300 cm	150 à 180 cm
5001036	Herbionik® Prairie TECHNIK LOW deer-resistant for dry soils	60 à 150 cm	60 à 125 cm
50015	Herbionik® Prairie FOREST for medium soils	60 à 150 cm	90 à 125 cm
5001022	Herbionik® Prairie RESTORATION for dry soils	90 à 240 cm	90 à 180 cm
5001038	Herbionik® Prairie RESTORATION for medium soils	125 à 300 cm	140 à 180 cm
4000342	Herbionik® Prairie Riparian Zones (mica)	60 à 270 cm	90 à 180 cm
5001053	Herbionik® Prairie Pollination Highly Organic for acidic soils (pH 5.5)	30 à 210 cm	125 à 150 cm
5001054	Herbionik® Prairie Pollination Sandy for dry and acidic soils (pH 5.5)	30 à 180 cm	90 cm
5001055	Herbionik® Prairie Pollination Loam-Sandy for medium and acidic soils (pH 5.5)	30 à 180 cm	90 cm
5001056	Herbionik® Prairie Pollination Clay for medium soils	30 à 240 cm	150 cm
CODE	NATIVE PLANT MIXES	HEIGHT AT MATURITY	AVERAGE HEIGHT
5001021	Herbionik® Prairie NATIVE EROSION for dry soils	90 à 150 cm	100 à 125 cm
5001039	Herbionik® Prairie NATIVE EROSION for medium soils	90 à 150 cm	90 à 125 cm
5001040	Herbionik® Prairie NATIVE for damp soils	150 à 240 cm	150 à 180 cm
5001041	Herbionik® Prairie NATIVE DWARF for dry soils	30 à 45 cm	40 cm
5001042	Herbionik® Prairie NATIVE DWARF for medium soils	45 à 60 cm	50 cm
5001043	Herbionik® Prairie NATIVE PIONEER	30 à 210 cm	60 à 180 cm
60007	Herbionik® Prairie NATIVE Butterflies & Bees	30 à 150 cm	40 à 125 cm
4000341	Herbionik® Prairie NATIVE RIPARIAN ZONES	60 à 270 cm	90 à 180 cm
5001050	Herbionik® Prairie NATIVE Pollination Highly Organic for acidic soils (pH 5.5)	30 à 150 cm	90 à 125 cm
5001051	Herbionik® Prairie NATIVE Pollination Sandy for dry and acidic soils (pH 5.5)	30 à 210 cm	90 cm
5001049	Herbionik® Prairie NATIVE Pollination Loam-Sandy for medium and acidic soils (pH 5.5)	30 à 210 cm	90 à 125 cm
5001052	Herbionik® Prairie NATIVE Pollination Clay for medium soils	30 à 300 cm	150 à 210 cm
CODE	NATIVE MIXES FOR GREEN ROOFS	HEIGHT AT MATURITY	AVERAGE HEIGHT
5001044	Herbionik® Prairie NATIVE Green Roof	30 à 150 cm	60 à 150 cm
5001045	Herbionik® Prairie NATIVE Green Roof with fescue	60 à 150 cm	60 à 125 cm
5001046	Herbionik® Prairie NATIVE DWARF Green Roof	30 à 40 cm	30 à 35 cm
5001047	Herbionik® Prairie NATIVE DWARF Green Roof with fescue	30 à 40 cm	30 à 35 cm

Feel free to contact us for more information.

ORGANIC FERTILIZERS AND COMPOST

bionik



Agriculture, Pêcheries et Alimentation Québec

Product included in the MAPAQ HANDBOOK OF ORGANIC INPUTS





Bionik® Marine & Forest Compost

The ONLY compost made from 100% marine and forest products and vermicomposted with red worms.

100% natural compost

0.6 - 1.8 - 0.13

INGREDIENTS:

Evergreen and deciduous bark, snow crab*, whelks, fish (various) and red worms.

^{*}Product approved for organic agriculture by Québec Vrai

Soil biology **5 TIMES** more active

3 TIMES more effective in breaking up clay

Contains red worms (worm castings)

Prevents soil acidification NO PEAT OR SPHAGNUM MOSS

DOES NOT CONTAIN MANURE

GUARANTEED ANALYSIS:

Marine & Forest

Compost marin

22 L

14 kg (30.8 lb)

Total nitrogen (N)	0.6 %
Available phosphoric acid (P ₂ O ₅)	1.8 %
Soluble potassium (K ₂ 0)	0.1%
Calcium (Ca)	14 %
Magnesium (Mg)	0.2 %
Organic matter	28 %
Moisture:	55 %

100% Quebec content

FORMATS	CODE	#BAG/CASE	SURFACE AREA COVERED
5 liters	4000061	5 bags	1,40 à 1,90 m² (15 à 2020 sq. ft.)
22 liters	4000062	1 bag (70 bags / pallet)	5 à 6 m² (53 à 6520 sq. ft.)

APPLICATION

Vegetable gardens and flower beds: Spread a 0.6 cm (1/4 in.) layer on the soil surface. Immediately work it into the soil.

Demanding plants: Add 1 to 3 handfuls to the planting hole and work into soil.

For best results: Follow the complete Bionik® fertilization program.

Trees, shrubs, evergreens and hedges: Spread a 0.6 cm (1/4 in.) layer on the surface covered by the plants and work into soil. Water as needed.

Bionik[®] All-purpose fertilizer

100% natural fertilizer

1-0.5-0.3







INGREDIENTS:

Tenebrion frass - Seaweed*

* Product approved for organic agriculture by Québec Vrai

Rich in insect frass, chitin, carbohydrates and seaweed, this all-purpose fertilizer stimulates soil microbial life, this all-purpose fertilizer improves plant rooting, growth, flower and fruit production, as well as ensuring plant health and stimulating the immune system.

BENEFITS:

Rich in chitin, increases resistance to pathogens and parasites.

Promotes plant growth and rigidity plants.

Helps stimulate rooting.

GUARANTEED ANALYSIS:

Total nitrogen (N)	1%
Available phosphoric acid (P ₂ O ₅)	0.5 %
Soluble potassium (K ₂ 0)	0.3 %

FORMATS	CODE	#BOTTLES/CASE
500 ml	40001340	12 bottles
11	40001341	12 bottles

APPLICATION

Apply once a week.

Dilution recommended for optimal results.

Add 5 mL (1 teaspoon) per litre of water. Use 0.5 L of solution per m2 (10.76 sq. ft.).

Apply to soil for the most benefits, or spray on leaves

Bionik® Seaweed

100% natural fertilizer

0.36 - 0 - 0.22



Don't stain



Seaweed*

* Product approved for organic agriculture by Québec Vrai



SHAKE

New method for processing dry seaweed into a liquid concentrate. Bionik® Seaweed is part of the Bionik® fertilization program.

BENEFITS:

DOUBLES growth

ANTI-STRESS for plants: dry soil, heat, cold and transplanting

Stimulates rooting

GUARANTEED ANALYSIS:

Total nitrogen (N)	0.36 %	
Available phosphoric acid (P ₂ O ₅)	0 %	
Soluble potassium (K ₂ 0)	0.22 %	
Calcium (Ca)	0.5 %	
Magnesium (Mg)	0.3 %	

FURMAIS	CODE	#BUTTLES/CASE
250 ml	4000052	12 bottles
500 ml	4000054	12 bottles
11	4000050	12 bottles
10 l	4000051	1 bottle

APPLICATION

Dilution recommended for optimal results.

Add 5 mL (1 teaspoon) per litre of water. Use 0.5 L of solution per m2 (10.76 sq. ft.). Apply to soil for the most benefits, or spray on leaves.

Bionik® Seaweed

100% natural fertilizer

0.36 - 0 - 0.22

Bionik® Seaweed delivers a higher quality liquid seaweed product that is also certified organic!

Top-quality dried seaweed is ground and naturally processed in purified water. To maintain the product's absolute purity, no preservatives are added. Bionik® Seaweed is then bottled and sealed.

It is a completely natural, high-quality product certified for use **in organic agriculture by** Québec Vrai (OCQV).

This fertilizer has a "magic touch" with plants due to the various naturally-occurring phytohormones in the type of seaweed (Ascophyllum nodosum) used, in addition to the vitamins, enzymes and many minerals it contains. It's an all-purpose fertilizer; indispensable for every plant requiring fertilization!

Bionik® Seaweed can also be used to complement regular fertilization. We recommend combining Bionik® Seaweed with other Bionik® products; a line of organic non-soluble powder fertilizers based on snow crab meal with varied other ingredients. Bionik® formulas are complete and balanced.

Every three weeks, add Bionik® Seaweed when watering plants and give them the benefit of a dose of "anti-stress" vitamins.

When used as a complement to other fertilizers in vegetable production, three or four treatments may be enough for a noticeable difference.

Bionik® Seaweed is indispensable for fertilization since concentrated liquid seaweed enhances the vitality of many kinds of plants.











Bionik® Growing Stage

100% natural fertilizer

6-1-5

WORK INTO SOIL Not water-soluble



INGREDIENTS:

Snow crab meal*, seaweed*, alfalfaa, feather meal*, Sul-Po-Mag*, potassium sulphate*, basaltaa, marine calcium*

BENEFITS:

Increased growth
More VIGOROUS and resistant plants
EXCEPTIONAL yield
DOUBLE the foliage and optimal growth
ONLY 1 application per season

GUARANTEED ANALYSIS:

Total nitrogen (N)	6 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	5 %
Calcium (Ca)	4 %
Magnesium (Mg)	0.9 %

FORMATS	CODE	#BAG/CASE	#OF PLANTINGS*	SURFACE AREA COVERED
400 g (0.88 lb)	5001575	12 bags	22	3,57 m² (38,4320 sq. ft.)
				4

* 15 cm (4 L) pots

APPLICATION

Soil: 4 scoops* / m2 (10.76 sq. ft.)

Plantation : 4.5 g per litre of earth (ex.: 18 g for a 4 litre (1 gallon) pot)

*1 scoop = 28 g

^{*}Product approved for organic agriculture by Québec Vrai

^a Product included in the MAPAQ handbook of organic inputs



Bionik® Blooming Stage

100% natural fertilizer







INGREDIENTS:

Snow crab meal*, seaweed*, alfalfaa, feather meal*, Sul-Po-Mag*, potassium sulphate* and basaltaa

^a Product included in the MAPAQ handbook of organic inputs

Complete and balanced fertilizer DENSE and ABUNDANT flowering More VIGOROUS and resistant plants Enhances scent

GUARANTEED ANALYSIS:

Total nitrogen (N)	4 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	9 %
Calcium (Ca)	3 %
Magnesium (Mg)	1%

	FORMATS	CODE	#BAG/CASE	#OF PLANTINGS*	SURFACE AREA COVERED
1 kg (2.2 lb)		5001576	12 bags	7	4,46 m² (48,0420 sq. ft.)
					*30 cm (20 L) pots

APPLICATION

Vegetable gardens and flower beds: 8 scoops* / m² (10.76 sq. ft.), 1 scoop*/planting hole

Containers: 7 g/L soil Example: 5 scoops* / 20 L container

*1 scoop = 28 g

gloco.ca Catalog 2024 63

^{*}Product approved for organic agriculture by Québec Vrai





EVALUATION OF THE IMPACT OF BIOSTIMULANTS ON THE VEGETATIVE DEVELOPMENT OF MEDICAL CANNABIS

With a view to enhancing the quality of its products and services, Clinique la croix verte wishes to develop a cultivation management system incorporating biostimulants with an impact on cannabinoid levels, to produce medical cannabis (Cannabis sativa). The CCTT Biopterre has developed strong expertise in the development and validation of horticultural bio-inputs. The center also holds a license to produce cannabis for agronomic research purposes. The company calls on Biopterre to evaluate the efficacy of commercially available biostimulants, as well as their impact on cannabinoid biosynthesis, for all stages of production within a medical cannabis crop. Ultimately, the results obtained in this project, of which this SEP is the first phase, will make it possible to set up a cultivation management system that meets the quality criteria required for this medical production. The main objective of this first phase was to determine the effect of a growing regime incorporating a range of biostimulants by validating their impact on the recovery of cuttings and the vegetative development of young plants, in comparison with a conventional growing regime. This phase of the project took place over 3 production cycles, each lasting an average of 28 days. Two crop management systems were tested: A) with biostimulants (Bionik®); B) conventional management (Canna). Each cycle was planted simultaneously on two production sites: 1) Longueuil, 2) La Pocatière.

RFSUITS

The treatment with Bionik® biostimulants stood out for the results obtained at both sites. The Bionik® treatment demonstrated superiority in terms of growth and visual quality, particularly in terms of plant height gain. This result was also reflected in the weights of dry aerial mass obtained.

Biostimulants are known to increase plant resistance to stress, drought, transplant shock and disease. As their mode of action is quite different from that of conventional fertilizers, it is likely that the Bionik® treatment favored the development of a microbial flora beneficial to the development and growth of young plants.



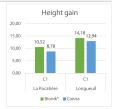
BENEFITS

With a view to developing a second phase to this project, it will be interesting to continue validating the impact of various sources of biostimulants, integrated into the development of an organic growing regime specific to medical cannabis and having a positive impact on the levels of cannabinoids of interest.

The shift to this production method will also enable industry workers to work in a healthy, chemical-free environment. While limiting their impact on the environment, the use of certain biostimulants enables growers to reduce production costs. The project also enables the companies involved to broaden their agronomic knowledge and market competitiveness, both for medical cannabis producers and biostimulant manufacturers.







THE DEVELOPMENT OF ORGANIC PRODUCTION MANAGEMENT IN CANNABIS CULTIVATION LIES IN THE ADVANCEMENT OF KNOWLEDGE AND IN-DEPTH UNDERSTANDING OF THE MODE OF ACTION OF THESE PRODUCTS.

Contact : Anie Desautels anie.desautelsebiopterre.com www.biopterre.com

Partners:







Bionik® Marine Calcium

100% natural amendment

0.2-0.7-0.02



INGREDIENTS:

Clam shells

BENEFITS:

Calcium available for plants

Neutralizes soil pH 3 TIMES faster

Helps reduce soil acidity (prevention of calcium deficiencies)

Reduces disease risk (ex.: tomatoes)

GUARANTEED ANALYSIS:

Total nitrogen (N)	0.2 %
Available phosphoric acid (P ₂ O ₅)	0.07 %
Soluble potassium (K ₂ 0)	0.02 %
Calcium (Ca)	33.5 %
Magnesium (Mg)	0.025 %
No. 10 mesh sieve	0.1 %
No. 100 mesh sieve	77.6 %
Neutralizing effect	86 %

FORMATS	CODE	#BAG/CASE	SURFACE AREA COVERED ¹
750 g (1.65 lb)	4000059	12 bags	3,3 à 25 m² (35 à 26920 sq. ft.) 30 tomato plants
2.5 kg (5.51 lb)	4000058	6 bags	11 à 80 m² (118 à 86120 sq. ft.) 100 tomato plants
8 kg (17.64 lb)	4000060	2 bags	35 à 267 m² (377 à 2 87420 sq. ft.) 320 tomato plants
20 kg (44.09 lb)	5000940	1 bag	87 à 667 m² (936 à 7 17920 sq. ft.) 800 tomato plants

APPLICATION

Demanding plants: (ex:tomato, broccoli, geraniums) 1/3 scoop** / plant

Maturing compost: 2 scoops / m³ (1.3 cu. yd.)

Vegetable gardens and flower beds: 1 to 4 scoops / 1

m² (10.76 sq. ft.)

Lawns: 0.5 kg / 10 m² (1.1 lb / 107.60 sq. ft.)

*May vary depending on soil type/ **1 scoop = 51 g

¹ The surface area covered depends on the soil pH, which explains why there is a range of areas for each format.

After the corrective treatment, apply lower amounts annually

 $0.5 \text{ kg} / 10 \text{ m}^2 (1.1 \text{ lb} / 107.60 \text{ sq. ft.})$

For best results, work marine calcium into the first 10 to 15 centimetres (4 to 6 inches) of soil.





SOIL PH MANAGEMENT:

Lawn on bare soil			
Area	Depth to be worked in		
100 m ² (1.076 sq. ft.)	4 cm (1.5 in.)		
Soil pH buffer	Target water pH for mineral- rich soil: 6.5		
5.3	24 kg (53 lb)		
5.5	22 kg (48 lb)		
5.8 19 kg (42 lb)			
6.5	11 kg (24 lb)		
Vegetable gardens and flower beds			
Area	Depth to be worked in		
100 m ² (1.076 sq. ft.)	10 cm (4 po)		
Soil pH buffer	Target water pH for mineral- rich soil: 6.5		
4.8	20 kg (44 lb)		
5.0	18 kg (40 lb)		
5.0	18 kg (40 lb) 13 kg (29 lb)		

After the corrective treatment, apply 1 kg / 100 m² (2.2 lb / 1.076 sq. ft.) annually. Reference for table: Results of incubation trials carried out by Biopterre (2017): 92.555% (IVA)



Bionik® Fruits & Vegetables

100% natural fertilizer

4-1-9

WORK INTO SOIL Not water-soluble



INGREDIENTS:

Snow crab meal*, seaweed*, alfalfaa, feather meal*, Sul-Po-Mag*, potassium sulphate* and basaltaa

BENEFITS:

Complete and balanced fertilizer		
TWICE the fruits & vegetables		
1 application per season (2 applications for demanding plants)		

GUARANTEED ANALYSIS:

Total nitrogen (N)	4 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	9 %
Calcium (Ca)	3 %
Magnesium (Mg)	1%

FORMATS	CODE	#BAG/CASE	#OF PLANTINGS*	SURFACE AREA COVERED
85 g (0.19 lb)	4000077	12 bags	3 to 6	0,55 m ² (5,9420 sq. ft.)
400 g (0.88 lb)	4000076	12 bags	100	2,60 m² (27,9520 sq. ft.)
1 kg (2.2 lb)	4000075	12 bags	250	6,49 m² (69,8720 sq. ft.)
_ , _ ,				

* pots de 10 cm (4 po)

APPLICATION

Vegetable gardens and flower beds: 5 ½ scoops* / m² (10.76 sq. ft.) Ex: 1 scoop*/tomato plant or 0.25 m²

Containers: 5 g/L of soil Example: 3 1/2 scoops* / 20 L container

* 1 scoop = 28 g

^{*}Product approved for organic agriculture by Québec Vrai

^a Product included in the MAPAQ handbook of organic inputs



Bionik® Annual & Perennial Flowers

100% natural fertilizer



WORK INTO SOIL
Not water-soluble



INGREDIENTS:

Snow crab meal*, seaweed*, alfalfaa, feather meal*, Sul-Po-Mag*, potassium sulphate* and basaltaa

BENEFITS:

Fertilisant complet et parfaitement équilibré Croissance optimale 2 FOIS PLUS de fleurs 1 SEULE application par saison

GUARANTEED ANALYSIS:

Total nitrogen (N)	4 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	9 %
Calcium (Ca)	3 %
Magnesium (Mg)	1%

FORMATS	CODE	#BAG/CASE	#OF PLANTINGS*	SURFACE AREA COVERED
85 g (0.19 lb)	4000072	12 bags	12**	0,76 m² (8,17 20 sq. ft.)
400 g (0.88 lb)	4000071	12 bags	100	3,57 m² (38,4320 sq. ft.)
1 kg (2.2 lb)	4000070	12 bags	250	8,93 m² (96,0820 sq. ft.)

* pots de 10 cm (4 po)

APPLICATION

Potager et plate-bande : 4 mesures* / m² (10,76 pi²)

En contenant : 4,5 g/L de terreau Exemple : 3 mesures* / contenant de 20 L

* 1 mesure = 28 g

gloco.ca Catalog 2024 6

^{*}Product approved for organic agriculture by Québec Vrai

^a Product included in the MAPAQ handbook of organic inputs

^{**12} annuelles ou 6 vivaces possibles de pots de 10 cm (4 po)



Bionik Semis, fines herbes et plantes vertes*

100% natural fertilizer



WORK INTO SOIL Not water-soluble

* Autres plantes concernées : la famille des plantes vivaces à feuilles et graminées.



INGREDIENTS:

Snowcrabmeal*, seaweed*, alfalfaa, feather meal*, Sul-Po-Mag*, potassium sulphate*, basaltaa and marine calcium*

BENEFITS:

Complete and balanced fertilizer		
TWICE the foliage		
Optimal growth		
ONLY 1 application per season		

GUARANTEED ANALYSIS:

Total nitrogen (N)	6 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	5 %
Calcium (Ca)	4 %
Magnesium (Mg)	0.9 %

FORMATS	CODE	#BAG/CASE	#OF PLANTINGS*	SURFACE AREA COVERED
85 g (0.19 lb)	4000079	12 bags	12	0,76 m² (8,1720 sq. ft.)
400 g (0.88 lb)	4000081	12 bags	100	3,57 m² (38,4320 sq. ft.)
1 kg (2.2 lb)	4000080	12 bags	250	8,93 m² (96,0820 sq. ft.)

* 10 cm (4 in.) pots

APPLICATION

Vegetable gardens and flower beds: 4 scoops* / m²

(10.76 sq. ft.)

Containers: 4.5 g/L of soil Example: 1 1/2 scoops* / 10 L

container

* 1 scoop = 28 g

Seedlings: 1.5 g/L soil

Example: 1/2 scoop/10 L of soil

Also good for broad-leafed perennials and grasses.

^{*}Product approved for organic agriculture by Québec Vrai *Product included in the MAPAQ handbook of organic inputs



Bionik® Trees, Shrubs & Evergreens

100% natural fertilizer



WORK INTO SOIL Not water-soluble



INGREDIENTS:

 $Snow crab meal^*, seaweed^*, alfalfa^a, feather meal^*, Sul-Po-Mag^*, potassium sulphate^*, basalta^a and marine calcium^*, alfalfa^a, feather meal^*, Sul-Po-Mag^*, potassium sulphate^*, basalta^a, feather meal^*, sulphate^*, feather meal^*, feath$

BENEFITS:

Complete fertilizer
TWICE the foliage and optimal growth
ONLY 1 application per season

GUARANTEED ANALYSIS:

Total nitrogen (N)	6 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	5 %
Calcium (Ca)	4 %
Magnesium (Mg)	0.9 %

FORMATS	CODE	#BAG/CASE	#OF PLANTINGS*	SURFACE AREA COVERED
400 g (0.88 lb)	4000056	12 bags	10	3,57 m ² (38,43 20 sq. ft.)
1 kg (2.2lb)	4000055	12 bags	25	8,93 m² (96,08 20 sq. ft.)

* pots de 2-3 gallons

APPLICATION

Soil and flower beds: 4 scoops* / m² (10.76 sq. ft.)

Planting: 2 scoops*/hole (2-3 gallon pots)

* 1 scoop = 28 g

gloco.ca Catalog 2024 71

^{*}Product approved for organic agriculture by Québec Vrai a Product included in the MAPAQ handbook of organic inputs



Bionik® Root Starter

100% natural fertilizer

4.7 - 5.2 - 0.5

WORK INTO SOIL
Not water-soluble



INGREDIENTS:

Snow crab meal*

BENEFITS:

#1 choice to replace synthetic root starte fertilizers					
Assists with transplanting					
Explosive root stimulation					
TWICE the roots					
Reduces transplanting stress					

Activates compost

GUARANTEED ANALYSIS:

Total nitrogen (N)	4.7 %	
Available phosphoric acid (P ₂ O ₅)	5.2 %	
Soluble potassium (K ₂ 0)	0.5 %	
Calcium (Ca)	14.2 %	
Magnesium (Mg)	1.1 %	

FORMATS	CODE	#BAG/CASE	#OF PLANTINGS*	SURFACE AREA COVERED
400 g (0.88 lb)	4000068	12 bags	45	5,55 m ² (59,7820 sq. ft.)
1 kg (2.2 lb)	4000065	12 bags	120	13,88 m² (149,4520 sq. ft.)
3 kg (6.6 lb)	4000067	4 bags	340	41,65 m² (448,3420 sq. ft.)
10 kg (22.04 lb	4000066	1 bag	1 120	138,84 m² (1494,4520 sq. ft.)

*15 to 20 cm (6 to 8 in.) pots

APPLICATION

Soil, vegetable gardens and flower beds: 4 scoops*/m² (10.76 sq. ft.), repeat every 6 to 8 weeks

Planting: 1 scoop*/30 cm (1 ft.) diameter hole

gloco.ca Catalog 2024 72

^{*} Product approved for organic agriculture by Québec Vrai

^{* 1} scoop = 18 g

Bionik® Fertilizing Program

Steps 1-2-3 = Guaranteed results

Seedlings and growth



SOIL PREPARATION



PLANTATING1 application per season







COMPLEMENT When planting.

Vegetable garden



SOIL PREPARATION





1 to 2 applications per season



COMPLEMENTWhen planting.





Plates-bandes



SOIL PREPARATION



PLANTING AND MAINTENANCE

1 to 2 applications per season







COMPLEMENT When planting.

Avantages Bionik®

Ingredients



Snow crab meal



SOURCE Animal

BENEFITS

- Promotes rapid root development
- · Biology makes N-P available
- · Chitin nourishes beneficial bacteria
- Increases soil production



Seaweed: kelp (Ascophyllum Nodosum)



SOURCE Plant

BENEFITS

- Strengthens plants with minerals
- Biostimulates with phytohormones



Alfafa



SOURCE Plant

BENEFITS

• Boosts chlorophyll and therefore photosynthesis, growth and biomass



Feather meal



SOURCE Animal

BENEFITS

 Boosts chlorophyll and therefore photosynthesis, growth and biomass



Sul-Po-Mag



SOURCE Mineral

BENEFITS

• Supports growth with slow-release nitrogen



Ptassium sulphate



SOURCE Mineral

BENEFITS

- · Helps in hardening off
- Increases fruit & vegetable production
- · Source of readily available potassium



Basalt (rock dust)



SOURCE Mineral

BENEFITS

- Helps firm up plant cells
- Increases stress resistance (silica)
- Contains magnesium, calcium, potassium and micronutrients
- Helps improve soil structure
- Results : better retention of water and nutrients

74



Marine calcium



SOURCE Mineral

BENEFITS

- · Rapidly lowers soil acidity
- Readily available source of calcium
- Prevents calcium deficiencies

Avantages of Bionik®

Products



Recyclage et revalorisation des résidus marins et forestiers.







4.7-5.2-0.5

Bionik® Root Starter

- Pure snow crab meal
- · Contains a very high proportion of beneficial bacteria that contribute to many soil processes.
- Contains an excellent amount of chitin, visible in the form of crystals on the crab flakes: a food source for various soil bacteria.
- \bullet Promotes quick and vigorous rooting of all types of plants.
- Source of easily assimilated N, P and other components controlled by soil biology.



6 - 1 - 5

Bionik® Growing (Growing stage) (Trees, shrubs, evergreens/ Seedlings, herbs and indoor plants)

- Contains 8 ingredients from mineral, plant and animal sources: used to amend specialized organic-based or mineral soils of every kind.
- Contains a high proportion of snow crab meal, plus seaweed powder, alfalfa, feather meal, basalt, Sul-Po-Mag, potassium sulfate and marine calcium. These ingredients, all evenly blended, deliver a variety of nutrients.
- Rich in phytohormones, enzymes, vitamins and minerals: helps nourish and stimulate soil life.
- The various ingredients are released over the course of at least 8-10 weeks on average.



4 - 1 - 9

Bionik® Flowering & Fruitening (Blooming stage) (Annual and perennial flowers, fruits & vegetables)

- Contains 7 ingredients from mineral, plant and animal sources: used to amend specialized organic-based or mineral soils of every kind.
- Contains a high proportion of snow crab meal, plus seaweed powder, alfalfa, feather meal, basalt, Sul-Po-Mag and potassium sulfate. These ingredients, all evenly blended, deliver a variety of nutrients.
- · Rich in phytohormones, enzymes, vitamins and minerals: helps nourish and stimulate soil life.
- The various ingredients are released over the course of at least 8-10 weeks on average.

Note:

Add **Bionik® Marine & Forest Compost** to your Bionik® fertilizer and extend the release time of the ingredients. The results are incredible!

Avantages of Bionik®

Products



Bionik® Marine & Forest Compost

- Evergreen and deciduous bark, snow crab, whelks, fish and red worms.
- A thin layer just 0.6 cm (1/4 in.) over helps inoculate soil with beneficial biology, regardless of soil type or texture.
- The bark delivers high lignin content, which helps with every soils structure and is an excellent source of nutrition for various beneficial fungi.
- 0.6-1.8-0.1
- Very high chitin content from crab and whelk shells: feeds beneficial soil bacterias.
- The fish provides a source of fat, which stimulates composting and provides a readily available source of nitrogen.
- · Helps control diseases.
- High number of red worms (adults of Eisenia fœtida): help break down organic matter in the soil and aerate the root zone.
- Very High number of cocoons containing red worm eggs
- Can be blended into growth media in proportions of 5% to 10% by volume
- · Result: turns growth media into living soil.
- · Can be used in addition to a fertilization program.
- · Contains no peat moss or animal manure.



0.36-0-0.22

Bionik® Seaweed

- High-quality kelp (Ascophyllum nodosum) naturally fermented to retain beneficial constituents.
- · Contains a great variety of minerals, phytohormones, enzymes and naturally-occurring vitamins.
- Helps reduce plant stress from dry soil, heat, cold, transplanting, etc.
- Liquid concentrate can be used in addition to a fertilization program.



1-0.5-0.3

Bionik® Engrais tout usage

- Favorise la santé et la croissance des plantes, du potager et des fleurs
- Riche en chitine, augmente la résistance aux pathogènes et parasites
- Favorise une croissance et rigidité des plants
- · Aide à stimuler l'enracinement



Bionik[®] Marine Calcium

- · Made of clam shell powder.
- 93.3% pH neutralizing power and 92.255% effectiveness*
- The assimilation of chitin by soil bacteria promotes rapid pH adjustment.
- Over 33% calcium (Ca).
 - A high percentage of the calcium is easily available to the soil and plants.
 - Can be used in addition to a fertilization program.

*Reference: Results of incubation trials carried out by Biopterre (2017)

Bionik® Makes It Easy

When planting in the ground or a container

- Work your **Bionik® Marine & Forest Compost** into your soil : **once per season**.
- Work in your choice of **Bionik® fertilizer** (lasts 2 months or more).
- Add Bionik® Marine Calcium (as needed).
- · Water with Bionik® Seaweed.



During the growing season: for plants with high fertilizer needs

- Two months after planting, work in your choice of **Bionik® fertilizer** (lasts 2 months or more).
- · Water every three weeks with Bionik® Seaweed.

Other special benefits:

- Lasts 2x longer than many other natural fertilizers.
- Very small quantities required for excellent results: 2 to 3 times less.
- Beneficial life forms included in the bag. Bionik®
- Products successfully tested in the field for over 15 years.
- Great success in large-scale use by intensive organic produce growers for many years.



bionik



Bionik® Professional organic amendment and fertilization program

1- AMENDMENT:

Organic fertilization begins with the soil. Amend soil with **Bionik® Marine and Forest Compost** and **Bionik® Marine Calcium**

2- FERTILIZATION

Economical

Annual and perennial flowers, trees, shrubs and evergreens. Garden or container.

PLANTING Application time: Early spring		MAINTENANCE Application frequency: Every 4 weeks. July / August / September	
Fertilizer Bionik® Root Starter	Fertilizer Bionik® Seaweed	Fertilizer Bionik® Seaweed	
4.7 - 5.2 - 0.5	0.36 - 0 - 0.22	0.36 - 0 - 0.22	
Rate 100 m² (1,076 sq. ft.)	Rate 100 m² (1,076 sq. ft.)	Rate 100 m² (1,076 sq. ft.)	
7 kg (22 lb)	5 mL / L water	5 mL / L water	
Coverage	Coverage	Coverage	
10 kg / 140 m ² (1,507 sq. ft.)	0.5 L of solution / 1 m ² (10.76 sq. ft.)	0.5 L of solution / 1 m ² (10.76 sq. ft.)	

Performance

Indoor plants, perennials and leafy vegetables, trees, shrubs, evergreens and hedges. Garden or container.

PLANTING Application time: Early spring		MAINTENANCE Application frequency: Every 4 weeks. Mid-July / Mid-August	
6 - 1 - 5	0.36 - 0 - 0.22	0.36 - 0 - 0.22	
Rate 100 m² (1,076 sq. ft.)	Rate 100 m² (1,076 sq. ft.)	Rate 100 m² (1,076 sq. ft.)	
10 kg (33 lb)	5 mL / L water	5 mL / L water	
Coverage	Coverage	Coverage	
10 kg / 100 m² (1,076 sq. ft.)	0.5 L of solution / 1 m ² (10.76 sq. ft.)	$0.5L$ of solution / $1m^2$ ($10.76sq.ft.$)	

Bionik® Professional organic amendment and fertilization program

1- AMENDMENT:

Organic fertilization begins with the soil. Amend soil with **Bionik® Marine and Forest Compost** and **Bionik® Marine Calcium**

2- FERTILIZATION

D	C		
Per	rorr	nar	ıce

Annual and perennial flowers, fruiting vegetables, fruit trees and berries. Garden or container.

PLANTING Application time: Early spring		MAINTENANCE Application frequency: Mid-July / Mid-August	
Fertilizer Bionik® Flowering & Fruitening 4 - 1 - 9	Fertilizer Bionik® Seaweed 0.36 - 0 - 0.22	Fertilizer Bionik® Seaweed 0.36 - 0 - 0.22	
Rate 100 m² (1,076 sq. ft.) 10 kg (33 lb)	Rate 100 m² (1,076 sq. ft.) 5 mL / L water	Rate 100 m² (1,076 sq. ft.) 5 mL / L water	
Coverage	Coverage	Coverage	
10 kg / 83 m² (1,076 sq. ft.)	0.5 L of solution / 1 m ² (10.76 sq. ft.)	0.5 L of solution / 1 m ² (10.76 sq. ft.)	



Bionik® Root Starter

100% natural fertilizer Snow crab meal

4.7 - 5.2 - 0.5

WORK INTO SOIL

*Snow crab meal: Product approved for organic agriculture by Québec Vrai



BENEFITS:

Helps with transplanting

TWICE the roots Reduces transplanting stress Activates compost

AMAZINGLY FAST ROOTING

GUARANTEED ANALYSIS:

Total nitrogen (N)	4.7 %
Available phosphoric acid (P ₂ O ₅)	5.2 %
Soluble potassium (K ₂ 0)	0.5 %
Calcium (Ca)	14.2 %
Magnesium (Mg)	1.1 %

FORMATS CODE #BAG/CASE #OF PLANTINGS' SURFACE AREA COVERED

10 kg (22.04 lb) 4000066 1 bag 1 120 140 m² (1,507 sq. ft.)

APPLICATION

Planting: 7 kg / 100 m² (1,076 sq. ft.) **Containers:** 1 g / L soil, 20L container.

Maintenance: 7 kg / 100 m² (1,076 sq. ft.), repeat every 6-8 weeks as needed

When used jointly with Bionik® Marine & Forest Compost, application can be reduced. For the right application level for your soil, contact your representative.



Bionik® Growing

100% natural fertilizer



WORK INTO SOIL
Not water-soluble

*Product approved for organic agriculture by Québec Vrai



BENEFITS:

Complete & balanced fertilizer.

Optimized growing.

TWICE the leafs.

Unique application / season.

GUARANTEED ANALYSIS:

Total nitrogen (N)	6 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	5 %
Calcium (Ca)	4 %
Magnesium (Mg)	0.9 %

FORMATS CODE #BAG/CASE SURFACE AREA COVERED

10 kg (22 lb) 4000064 1 bag 100 m² (1,076 sq. ft.)

APPLICATION

Planting: 10 kg / 100 m2 (1,076 sq. ft.)

Containers: 4.5 g/L of soil Ex: 3 full scoops for a 20 L container

Maintenance: 10 kg / 100 m2 (1,076 sq. ft.), repeat every 8-10 weeks as needed

When used jointly with Bionik® Marine & Forest Compost, application may be reduced. For the right application level for your soil, contact your representative.



Bionik® Flowering & Fruitening

100% natural fertilizer



WORK INTO SOIL
Not water-soluble

*Product approved for organic agriculture by Québec Vrai



BENEFITS:

Improved Quality of fruits

1 to 2 application /season

TWICE more fruits and vegetables

Complete& balanced Fertilizer

GUARANTEED ANALYSIS:

Total nitrogen (N)	4 %
Available phosphoric acid (P ₂ O ₅)	1%
Soluble potassium (K ₂ 0)	9 %
Calcium (Ca)	3 %
Magnesium (Mg)	1%

FORMATS

CODE

#BAG/CASE

SURFACE AREA COVERED

10 kg (22 lb)

4000073

1 bag

83,30 m² (896,67 sq. ft.)

APPLICATION

Planting: 12 kg / 100 m² (1,076 sq. ft.)

Containers: 5 g / L soil. Ex: 3 scoops for a 20 L container

Maintenance: 12 kg / 100 m2 (1,076 sq. ft.), repeat every 8-10 weeks as needed

When used jointly with Bionik® Marine & Forest Compost, application may be reduced. For the right application level for your soil, contact your representative.



Satisfaction guaranteed or Gloco refunds your money

For consumers

If you are not entirely satisfied with your Herbionik® product, we will reimburse you the purchase price, subject to the conditions and the availability of the offer.

Refund guarantee conditions:

*Offer valid for all Herbionik® seeds purchased between April 1, 2023 and December 31, 2023.

To receive your refund, complete the satisfaction guarantee refund form and send it, along with the original receipt clearly indicating the name of the store, the eligible Herbionik® product purchased with the sale price circled (photocopies and modified or reproduced receipts will not be accepted) to the following address:

Gloco Inc. Head Office

11600, Albert-Hudon blvd. Montreal-Nord (Quebec) H1G 3K2

Limit of one refund per household or per organization. No refund will be processed for any claim that is non-compliant, incomplete or illegible.

You can expect one of our representatives to contact you within 5 days.

Offer valid in Canada only and is subject to change.

Gloco Inc. is not responsible for forms that are lost in the mail or not received. The Gloco Inc. confidentiality policy governs the collection and use of your personal information. Your personal information will be used solely for the administration of this refund offer.

Refund offer



Satisfaction guarantee refund form

Please fill out this form in full and send it to the following address, along with the original receipt:

Gloco Inc. Head Office 11600, Albert-Hudon blvd. Montreal-Nord (Quebec) H1G 3K2	Store:	
Last name:	First name:	
Adress:	City:	
Province :	Postal code:	
Country:	Telephone :	
Email adress:		
Product information		
Full name of product:		
Lot number:		
Please indicate why you are not satisfied w	ith the product:	



Our team

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Territories by representative divided according to the regions of Quebec. Please note that at the edge of some regions there are overlaps between two representatives.

Order Desk, Billing & Payment

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