



SPECIALITY
NUTRITION FOR
CROPS



PRODUCT
RANGE



Balanced, specialised and fast-acting fertilisation
for more productive crops.



CONTENTS

- 01 OUR COMPANY
- 02 DISCOVER OUR FORMULATIONS
- 03 NUTRIENT SUPPLEMENTS
- 05 BIOSIMULANTS
- 15 HELIO GREEN RANGE
- 23 HELIO TRACE RANGE
- 32 OUR BUSINESS NETWORK

OUR COMPANY



Since 2001, Heliopotasse has served plant growers through a worldwide network of distributors, continuing the work of former French potash group SCPA from its base in Alsace, in the east of France.

Our close communication with plant growers and distributors allows us to attend to their specific requirements by way of up-to-date and innovative products.

The quality of our products and their efficiency in the field are our main concerns.

We use the best raw materials and take great care over their processing so as to provide the best solution to the majority of agronomic challenges that today's technology can provide. Heliopotasse provides a full range of nutrient supplements with guaranteed efficiency and profitability for farmers and plant growers.

DISCOVER OUR FORMULATIONS

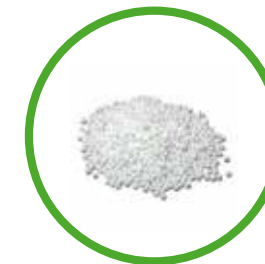


To guarantee efficient nutritional products, Heliopotasse develops high-tech formulations with high-grade adjuvants that allow plants to quickly and completely assimilate minerals through the leaves or roots.

Our foliar nutrition products are available in liquid or powder form.

These formulations are designed used as a spray or in fertigation.

Each product has been developed to ensure a complete, rapid and effective assimilation of nutrients by the leaf. They are specially combined with adjuvants that lead to high performance results.



NUTRIENT SUPPLEMENTS

Heliopotasse nutrient supplements are divided into three ranges.

BIOSTIMULANTS

Biostimulants are products that act on the physiology of plants in combination with nutrients in order to enhance the vigour, yield and quality of plants and crops. The innovative nature of our products is in the biological stimulating substances that are used to produce them: seaweeds, hormones, free amino acids, and microorganisms. They also have an indirect effect on pests and diseases, as they improve the crop's natural defences. Each product is formulated with high performance co-formulants to ensure complete, rapid and effective absorption of the nutrients and stimulating substances.

- HELIO BOOST
- HELIO COLOR
- HELIO FIT
- HELIO KELP
- HELIO ROOT
- HELIO STIM
- HELIO HUMIK

HELIO GREEN RANGE

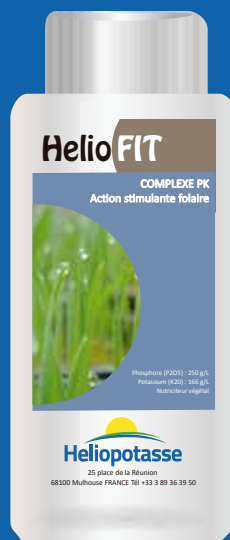
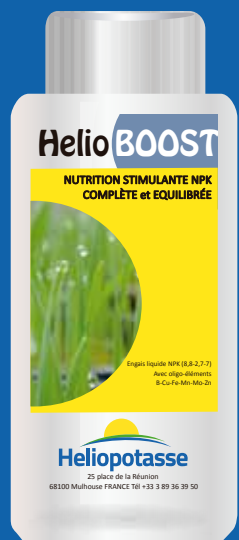
This range consists of high-tech products that combine NPK and secondary nutrients in a liquid form designed for use as a foliar spray. They favour the growth and development of plants during the whole life cycle of the crop, from seed germination to plant maturity. They are tailor-made to improve the efficiency of the plant's metabolism, encourage better flowering, and guarantee optimum fruit quality. Each product is formulated with high performance co-formulants to ensure complete, rapid and effective absorption of the nutrients.

- HELIO GREEN N
- HELIO GREEN P
- HELIO GREEN K
- HELIO GREEN CM
- HELIO GREEN S
- HELIO GREEN KB

HELIO TRACE RANGE

This range consists of all our deficiency corrector products. From iron to molybdenum, the Helio Trace range provides you with the formula for achieving the top quality you want from your crops. Each product is formulated with high performance co-formulants to ensure complete, rapid and effective absorption of nutrients.

- HELIO TRACE BM
- HELIO TRACE Mx
- HELIO TRACE Mz
- HELIO TRACE Cu
- HELIO TRACE Fe (f)
- HELIO TRACE Fe(s)
- HELIO TRACE Zn



HELIO BOOST

HELIO COLOR

HELIO FIT

HELIO KELP

HELIO ROOT

HELIO STIM

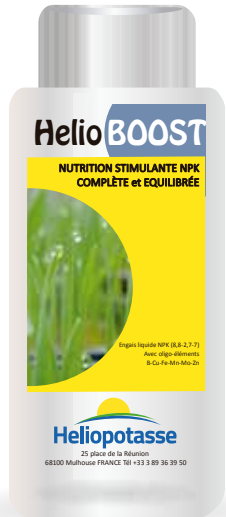
HELIO HUMIK

HELIO BOOST

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.18	Storage	Protect from frost
Shelf life	24 months	Packaging	10 L (600 L pallet) 5 L (5 L x 3, 600 L pallet) 1 L (1 L x 15, 600 L pallet)

CHEMICAL COMPOSITION			
		Typical	Guaranteed
Nitrogen (N)			min 8.83%
Phosphorus (P ₂ O ₅)			min 2.7%
Potassium (K ₂ O)			min 7.02%
Magnesium* (MgO)	0.11%		
Boron (B)	420 ppm		
Copper* (Cu)		120 ppm	
Iron* (Fe)		210 ppm	
Manganese* (Mn)		420 ppm	
Molybdenum (Mo)		42 ppm	
Zinc (Zn)		340 ppm	

*EDTA chelated



DOSE: 5L/ha
Concentration 5%

NUTRIENT BOOST

A combination of nitrogen, phosphorus, potassium, magnesium and trace elements essential to a plant's healthy development. The proportion of each ingredient is specific to the needs of the plant, allowing for improvement in its overall nutritional status.

WHAT IT DOES AND HOW IT WORKS

Helio BOOST improves the nutritional status of the crop. Applied foliarly as a spray, it activates the metabolism of each vegetal cell. Working on the whole plant, it improves the photosynthesis process and the plant's capacity to take in minerals through the root system. Helio BOOST is a versatile product suitable for a wide range of different crops. It is specifically adapted to aid in the nutrition, stimulation and growth of the vegetative system. Helio BOOST is a ready-to-use liquid product that acts "softly" on the foliage for ease of use and safety of use.

RECOMMENDED USE

- Vines:** 2-3 applications on separate bunches from start of flowering and shoot growth, then every 15 days. Fruit trees, citrus, nursery: 4 applications from petal fall, then every 15 days.
- Cereals:** from stem elongation to booting, and from last leaf coming out to beginning of earing stage.
- Protein peas:** 5/10 cm - start of flowering - flat pods
- Potatoes:** 3-4 applications from start of tuber formation then every 15 days
- Maize, oilseeds, beets:** 1-2 applications in case of difficult start then on well-developed foliage.
- Vegetables:** 3-4 applications every 10-15 days when growth starts.

HELIO COLOR

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.27	Storage	Protect from frost
Shelf life	18 months	Packaging	10 L

CHEMICAL COMPOSITION	
Calcium (CaO)	Guaranteed min 12.5%



NUTRIENT BOOST

Calcium: improves harvest quality (shelf life, firmness, grade). Plays a role in meristematic activity.

WHAT IT DOES AND HOW IT WORKS

Helio COLOR contains high concentrations of calcium, preventing any physiological or nutritional imbalance in fruits and vegetables. Helio COLOR improves the grade of fruits and vegetables, their shelf life and their resistance to impact and bruising. Helio COLOR is a ready-to-use liquid product that acts "softly" on the foliage, making it safe to use and handle.

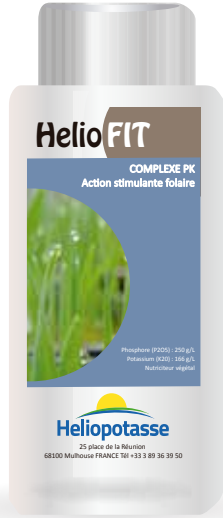
RECOMMENDED USE

- Fruit trees (stone and pip) and kiwifruit:** 2 L/ha, maximum concentration 1%; 5-7 applications every 15 days from fruit swelling and up to 3 weeks before harvest.
- Red colour spray:** vines, fruit trees 5 L/ha in minimum 200 L of water; 2 to 3 weeks before harvest
- Other crops and vegetables (outdoor):** 2 L/ha, maximum concentration 1%; 4 to 6 applications every 10-14 days on well-established crops.

HELIO FIT

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.275	Storage	Protect from frost
Shelf life	18 months	Packaging	10 L (pallet 600L)

CHEMICAL COMPOSITION	
	Guaranteed
Phosphorous (P2O5)	min 19.5%
Potassium (K2O)	min 13%



DOSE: 3L/ha
Concentration 1.5%

NUTRIENT BOOST

Phosphorus: Energy transfer, membrane constituents, protein synthesis
Potassium: Synthesis and transfer of sugars, second yield factor, photosynthesis, regulation of water feeding

WHAT IT DOES AND HOW IT WORKS

Helio FIT provides plants with phosphorus and potassium. Plants are strengthened, healthy and resistant to environmental assaults. It activates and balances the metabolism and absorption of nutrients, and promotes proper nutrition from soil reserves.

RECOMMENDED USE

- Vines: 3-4 applications every 10 days from 5-6 leaves
- Fruit trees: 3-4 applications every 10 days from early fruit set
- Potato: 4 applications every 10 days from early tuber formation
- Salad: 3 applications every 10 days from recovery of vegetation
- Strawberry: recovery of vegetation and every 10 days
- Tomato: 4-6 leaves stage and every 10 days
- Radish: 3 applications every 10 days from sufficient leaves
- Melon: 3 applications every 10 days
- Other cultures: 3-4 applications every 10-12 days on sufficient foliage

HELIO KELP

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.415	Storage	Protect from frost.
Shelf life	24 months		Store in original container out of direct sunlight and tightly closed.
		Packaging	10L

CHEMICAL COMPOSITION	
	Guaranteed
Nitrogen (N)	min 7.05%
Phosphorus (P2O5)	min 14.1%
Potassium (K2O)	min 18.7%



NUTRIENT BOOST

Seaweeds contain hormones and polysaccharides that stimulate the formation of polyamines (growth stimulators) and phytoalexins (natural antibiotics).
Amino acids improve nitrogen assimilation and protein synthesis, carbon storage and their transfer in the plant.
They improve the source-to-sink transfer of nutrients and the synthesis of hormones and enzymes, and contain a vitamin cofactor that regulates the plant's metabolism during stress events.

WHAT IT DOES AND HOW IT WORKS

Helio Kelp promotes vegetative development during crop establishment thanks to its Green Effect, which boosts early nitrogen assimilation. It also improves late transfer of nitrogen from leaves to grain, thanks to its Stay Green Effect, which increases the efficiency of nitrogen metabolism.

RECOMMENDED USE

- FOLIAR APPLICATIONS: maximum concentration 1% (1 L in 100 L of water)**
- Grapes: 2-3 L/ha; separated bunches / start of flowering / fruit set
 - Fruit trees (stone and pip fruits, red berries): 2-3 L/ha; pre-flowering / petal fall
 - Vegetables (e.g. carrot, salad, tomato): 2-3 L/ha; 1 to 2 applications every 10 days on well-developed foliage.

HELIO ROOT

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	France
Density	1.27	Storage	Store in a dry, well-ventilated space.
Shelf life		Formulation	Root biostimulant + free amino acid + humic substances

CHEMICAL COMPOSITION		
		Guaranteed
Nitrogen (N)		min 9.5%
Phosphorus (P2O5)		min 3.9%
Potassium (K2O)		min 7.8%

NUTRIENT BOOST

Humic acids have auxin-like activity, influence the production of RNA, which is essential for many biochemical mechanisms in the cell, and have chelating properties. Pure L-Tryptophan is the natural precursor of the auxin hormone. Pure L-Methionine is the natural precursor of ethylene. Ethylene acts in synergy with auxin. Acreciactive is a new generation molecule that occurs naturally in plants. At Heliopotasse, our chemical engineering and agricultural teams have developed a way of extracting and formulating ACRECIACTIVE in order to biostimulate root hairs by acting in synergy with auxin.

WHAT IT DOES AND HOW IT WORKS

Helio Root is a root activator made up of four ingredients. It biostimulates the root development system and tuber formation of crops by enhancing the effectiveness of auxin during rhizogenesis.

RECOMMENDED USE

SOIL APPLICATION (dilute to 0.5%-1% concentration)
Vegetables, tomato, cucumber and pepper: 10 L/ha; from transplanting or on young plants every 15 days
Fruit trees, kiwifruit: 5 L/ha from bud burst
Citrus: 5 L/ha from beginning of shoot growth until beginning of flowering (about 10% of flowers open) every 15 days
Grapes: 5 L/ha from bud burst
Potato: 10 L/ha from emergence
Beets: 5 L/ha from 4 leaves
Rape: 5 L/ha from 4-6 leaves

FOLIAR APPLICATION (3x3 L/ha every 10-15 days, maximum concentration 3%)
Vegetables, tomato, cucumber, cabbage, etc.: on sufficiently developed foliage
Young perennials (vines, fruit trees): on sufficiently developed foliage Maize: from stage 15 (BBCH scale)
Root dipping: 1 ml per plant



HELIO STIM

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.28	Storage	Protect from frost
Shelf life	24 months	Packaging	100 L (pallet 500L) 200 L (pallet 800L) Tank 1000 L

CHEMICAL COMPOSITION	
Guaranteed	
Nitrogen (N)	min 6.3%
Total amino acid	min 37.5%

NUTRIENT BOOST

Nitrogen: essential constituent of proteins, enzymatic role, photosynthesis
Amino acids present: alanine, istidina proline, arginine, isoleucine, serine, aspartic acid, leucine, treonine, glutamine acid, lisine, tyrosine.

WHAT IT DOES AND HOW IT WORKS

Helio STIM feeds the plant through the leaves and roots. Thanks to its amino acids, it stimulates the plant to enable it to better withstand stress (drought, salinity, frost, pest attacks). Helio STIM provides the plant with organic nitrogen for gradual release to energize and encourage its growth.
Total amino acids: 37.5%
Organic Nitrogen: 6%
Organic Carbon: 22%

RECOMMENDED USE

FOLIAR APPLICATION
Vegetable crops: 2-3 L, use every 15 days and during periods of stress
Fruit trees, vines, citrus: 4 L, use before flowering and during periods of stress

SOIL APPLICATION
Vegetable crops: 20-50 L use on soil before sowing or transplanting, and during periods of stress
Fruit trees, vines, citrus: 40-80 L, use before flowering and during periods of stress



DOSE: 3L/ha
Concentration 1.5%

BIOSTIMULANTS

HELIO HUMIK

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Black microgranules	Origin	Italy
Density	0.62	Storage	Store in a dry, ventilated space
pH (1% solution)	10.9		
Solubility (20°C)	300g/L		
Granulometry	0.125 - 0.500 mm		
CHEMICAL COMPOSITION			
	Typical	Guaranteed	
Total humic extract	45%	min 42%	
Humic acids	41%	min 39%	
Fulvic acids	4%	min 3.6%	
Organic matter on dry basis	73.6%		
Organic nitrogen on dry basis (Norg)	0.74%		
C/N ratio	50		



NUTRIENT BOOST

Humic acids have auxin-like activity and influence the production of RNA, which is essential for many biochemical mechanisms in the cell. They also have the great effect of creating colloids to form stable compounds with metal ions.

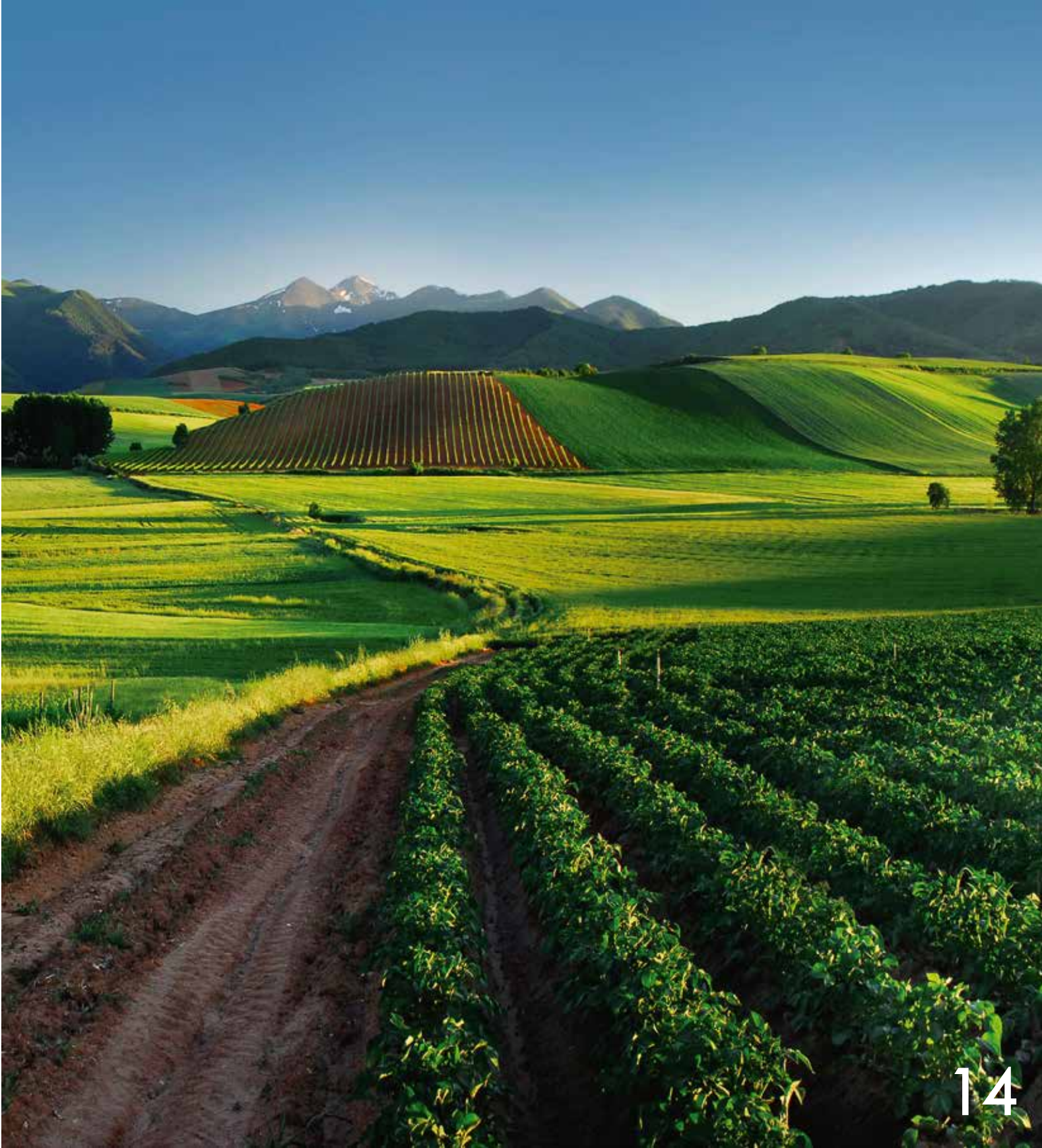
Fulvic acids stimulate the activity of some enzymes. As a foliar application, they can prevent chlorosis by increasing the absorption of Mg²⁺ and Fe²⁺ ions. They greatly improve the stay green effect.

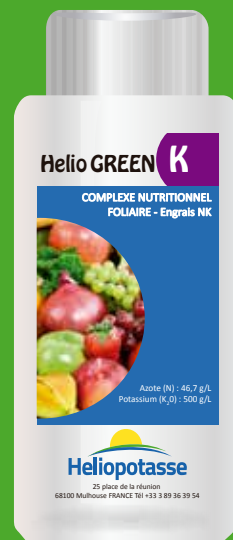
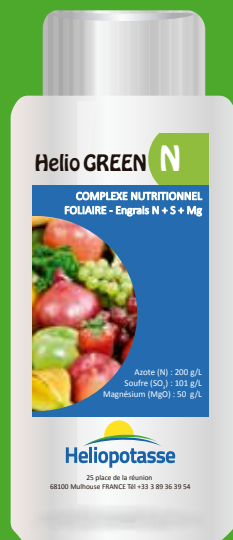
WHAT IT DOES AND HOW IT WORKS

Humic acids improve the soil structure in many ways. They increase the CEC, the organic matter content, and they improve the capacity of the soil to hold on to water and nutrients. They also have a buffering role in acidic soils and reduce the toxicity levels of heavy metals. Fulvic substances have an effect on several metabolic processes, such as photosynthesis and respiration, and they stimulate root initiation and development. They also have a great chelating effect. What's more, you can treat seeds in a solution of Helio Humik to increase the germination rate.

RECOMMENDED USE

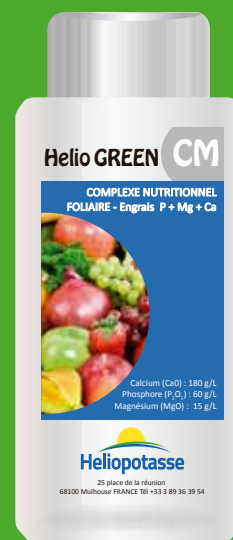
- Vegetables in greenhouses:** 10-20 kg/100 m² during soil preparation or 0.5 kg/100 m² per 50 L of water using a foliar spray in 2-3 applications.
- Horticultural fruit trees:** 0.5-2 kg/tree when planting or 10-15 kg/m² with the first fertiliser
- Open field vegetables:** 10-15 kg/m³ during soil preparation or as a band application with the first soil fertiliser application.
- Cereals, potato:** 300-400 kg/ha during soil preparation or as a band application with the first soil fertiliser application, or 2-4 kg per 200 L of water/ha using a foliar spray in 4-6 applications.
- Ornamental plants and tree nursery:** 10-15 kg/m³ during the preparation of substrates.
- Turf grass:** 20-30 kg/100m² during soil preparation for lawns or 100kg/100m² annually.
- Seed Treatment:** 2kg/100kg seeds per 200 L of water





15

HELIO GREEN RANGE



N

P

K

CM

S

KB

16

HELIO GREEN N

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.24	Storage	Protect from frost
Shelf life	24 months	Packaging	100 L (pallet 500L) 200 L (pallet 800L) Tank 1000 L

CHEMICAL COMPOSITION			
		Guaranteed	
Nitrogen	(N)	min	16.10%
Magnesium	(MgO)	min	4.02%
Sulphur	(SO ₃)	min	8.10%



40L in 100L water
Concentration 40%

NUTRIENT BOOST

Nitrogen: essential constituent of proteins, enzymatic role, photosynthesis
Sulphur: protein constituents, enzymatic role, photosynthesis
Magnesium: photosynthesis, synthesis of carbohydrates and lipids

WHAT IT DOES AND HOW IT WORKS

Helio GREEN N is a foliar nitrogen fertiliser enriched with magnesium and sulphur. The minerals contained in this product are all 100% water soluble and specifically adapted for use on crops that need a little boost to improve their quality and yield. Helio GREEN N is a ready-to-use liquid product that acts “softly” on the leaf for ease and safety of use. The combined effects of the nitrogen and sulphur in this product increase the efficiency of spraying.

RECOMMENDED USE

- Cereals:** 40 to 60 L- from second node to earring stage
- Vines:** 25 L applications from softening of berries to improve quality
- Fruit trees:** 1 x 10 L application when 50% of leaves have fallen to promote further leaf fall, 1 x 20-30 L application post-harvest before leaf fall to encourage new growth
- Rape:** 20 to 40 L – 1 to 2 applications C1 and D2. May be combined with Baronia LS
- Sunflower:** 20 to 40 L – 1 to 2 applications from 5-6 leaves to the end of bud. May be combined with Boronia LS
- Potato:** 1 x 20 to 40 L application until tuber formation to avoid premature senescence of leaves
- Other crops*:** 40 to 60 L on sufficiently developed vegetation

* For other crops and crops under protection, always carry out a test to the maximum concentration of 20% to observe the plant's response.

HELIO GREEN P

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.37	Storage	Protect from frost
Shelf life	24 months	Packaging	10 L (pallet 600L)

CHEMICAL COMPOSITION			
		typical	Guaranteed
Nitrogen	(N)		min 4.1%
Phosphorous	(P ₂ O ₅)		min 18.5%
Magnesium	(MgO)		min 4.4%
Sulphur	(SO ₃)		min 8.7%
Boron	(B)	360 ppm	
Copper	(Cu)	100 ppm	
Iron	(Fe)	180 ppm	
Manganese	(Mn)	360 ppm	
Molybdenum	(Mo)	40 ppm	
Zinc	(Zn)	290 ppm	



Dose: 5L/ha
Maximum concentration 2.5%

NUTRIENT BOOST

Provides a combination of nitrogen, phosphorus, potassium, magnesium and trace elements essential to the healthy development of crops. The proportion of each ingredient is specific to the needs of the plant, allowing an improvement of the overall nutritional status of the plant. The balance of trace elements contained in this product is similar to that found in the sap of plants. The trace elements are, for the most part, in a chelated form, increasing their level of absorption, assimilability and circulation in the plant.

WHAT IT DOES AND HOW IT WORKS

Helio GREEN P improves the nutritional status of the crop. Used as a foliar spray, it activates the metabolism of each plant cell. Working on the whole plant, it improves the photosynthesis process and plant's capacity to take in minerals through the root system. The balance of Helio GREEN P is particularly adapted to the needs of potatoes during tuber formation and cereals when growth starts. Helio GREEN P has a natural and gradual effect on growth and on the storing of quality substances.

RECOMMENDED USE

- Potato:** 3-4 applications from start of tuber formation, then every 10-15 days
- Vegetables:** 3-4 applications every 10 days when growth starts
- Field crops:** 1-2 applications in case of difficult start, then on well-developed foliage
- Fruit trees, citrus, nursery:** 2-3 applications from petal fall then every 10 days

HELIO GREEN K

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.53	Storage	Protect from frost
Shelf life	18 months	Packaging	10 L (pallet 600L) 20 L (pallet 560L)

CHEMICAL COMPOSITION			
		Guaranteed	
Nitrogen (N)	min	3.1%	
Potassium (K ₂ O)	min	32.7%	



Dose: 3-4L /ha
Maximun concentration 1.5%

NUTRIENT BOOST

Nitrogen: essential constituent of proteins, enzymatic role, photosynthesis
Potassium: synthesis and transfer of sugars, second yield factor, photosynthesis, regulation of water feeding

WHAT IT DOES AND HOW IT WORKS

Helio GREEN K has been specifically designed and balanced to optimize the maturity and the quality of the grape crop and the fruits at the end of the cycle. As a foliar application, it helps with the transfer of elaborated substances from the leaves to the fruits and berries. Helio GREEN K is a 100%-soluble potassium concentrate that works in synergy with nitrogen.

RECOMMENDED USE

- Vines: 2-4 applications every 10-15 days from fruit set and during ripening.
- Fruit trees: 2-3 applications every 15 days from fruit growth and continuing up to 2 weeks before harvest.
- Field crops (beets, potato, etc.): 3-5 applications on sufficiently developed foliage
- Vegetables* (tomato, sweet pepper, melon, lettuce): 3-5 applications on sufficiently developed foliage
- Fertigation: 7-15 L/ha per application (to be diluted to a maximum of 10% in the stock solution)

* For other crops in greenhouses, you should do a preliminary test (max. concentration 0.3%) to observe the plant's response.

HELIO GREEN CM

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.33	Storage	Protect from frost
Shelf life	24 months	Packaging	10 L (pallet 600L)

CHEMICAL COMPOSITION			
		Guaranteed	
Phosphorous (P ₂ O ₅)	min	4.5%	
Magnesium (MgO)	min	1.12%	
Calcium (CaO)	min	13.4%	



NUTRIENT BOOST

Calcium: improvement in harvest quality (shelf life, firmness, grade, etc.); plays a role in meristematic activity.
Phosphorus: energy carrying, membrane constituents, protein synthesis.
Magnesium: photosynthesis, synthesis of carbohydrates and lipids.

WHAT IT DOES AND HOW IT WORKS

Helio GREEN CM prevents any physiological and nutritional imbalance in the vegetative process (such as tip burn, apical necrosis or vitescence). Thanks to its specially designed balance of calcium, phosphorus and magnesium, Helio GREEN CM improves a harvest's grade, shelf life and resistance to impact and bruising. The rigorous choice of food quality raw materials, and its double filtering manufacturing process, means that Helio GREEN CM ensures 100% solubility. Helio GREEN CM is a ready-to-use liquid product that acts "softly" on fruits, for ease of use, safety of use, and safety for consumers.

RECOMMENDED USE

- Fruit trees (stone and pip fruits): 6-8 L, concentration 2%, 5 applications every 15 days from fruit growth and continuing up to 3 weeks before harvest.
- Vegetables (tomato, lettuce, melon, celery, etc.): 6 L, concentration 1.5%, 3 to 5 applications every 10-15 days on well developed foliage.
- Other crops (vines, etc.):* 6 L, concentration 2%, 2 to 4 applications every 10-15 days on well-developed foliage.

* For protected crops, you should do a preliminary test at a concentration of 1% and observe the plant's response.

HELIO GREEN S

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.33	Storage	Protect from frost
Shelf life	18 months	Packaging	10 L (pallet 600L)

CHEMICAL COMPOSITION			
		Guaranteed	
Nitrogen	(N)	min	9%
Sulphur	(SO3)	min	75.5%



Dose: 5L/ha

NUTRIENT BOOST

Sulphur: protein constituents, enzymatic role, photosynthesis

WHAT IT DOES AND HOW IT WORKS

Helio GREEN S prevents and corrects sulphur deficiencies in all crops when using a foliar or soil application. Helio GREEN S guarantees high yields and improves harvest quality (dry material, grades, colouring, etc.). It contains nitrogen and sulphur in highly concentrated liquid forms, is 100% soluble and is very pure, making it 100% efficient. Helio GREEN S is a ready-to-use liquid product that acts “softly” on foliage and fruits, allowing for ease of use, safety of use and safety for the consumer.

RECOMMENDED USE

Cereal (deficiency in sulphur)- 5L/ha - maximum concentration 5%: 1 to 2 applications from beginning stage to ears 1cm.
Improvement of quality (protein): from second node to ears developing.
Field crops (maize, oilseeds...) 5L/ha - maximum concentration 3%: other crops prone to sulphur deficiency**
1 to 3 applications every 10-15 days.

*Increase dose to 10 L in the event of a curative application at a concentration of 5%.
**For protected crops, you should do a preliminary test at a concentration of 2.5% and observe the plant's response.

HELIO GREEN KB

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	France
Density	1.46	Storage	Protect from frost. Store in original container, out of direct sunlight and tightly closed.
Shelf life	36 months	Packaging	10 L

CHEMICAL COMPOSITION			
		Guaranteed	
Phosphorus	(P2O5)	min	16.4%
Potassium	(K2O)	min	21.7%
Boron	(B)	min	0.55%



NUTRIENT BOOST

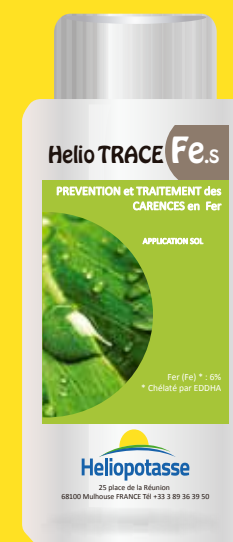
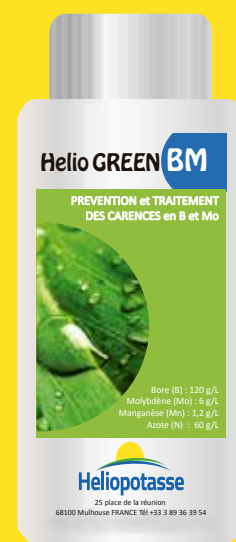
Phosphorus: energy carrying, membrane constituents, protein synthesis
Potassium: synthesis and transfer of sugars, photosynthesis, water regulation and management

WHAT IT DOES AND HOW IT WORKS

Helio GREEN B is specifically designed and formulated to optimize the maturity and quality of the grape crop at harvest. Absorbed through the foliage, it helps with the transfer of assimilates from the leaves to the fruit. Helio GREEN B is a 100%-soluble potassium concentrate formulated to work in synergy with phosphorus for maximum effect.

RECOMMENDED USE

FOLIAR APPLICATION
Grapes: 3-5 L/ha in 200 L min. of water, 2-4 applications every 10-15 days from fruit set and during ripening.
Fruit trees and kiwifruit: 5 L/ha in 200 L min. of water, 4-6 applications every 10-15 days starting as fruit begins to develop and continuing up to 2 weeks before harvest.
Field crops: 3-5 L/ha in 200 L min. of water, 3 to 5 applications on sufficiently developed foliage.
Vegetables: 3-5 L/ha in 500 L min. of water, 3 to 5 applications on sufficiently developed foliage.



23

HELIO TRACE RANGE

BM

Mx

Mz

Cu

Fe (f)

Fe (s)

Zn

24

HELIO TRACE BM

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.35	Storage	Protect from frost
Shelf life	18 months	Packaging	10L (pallet 600L)

CHEMICAL COMPOSITION		
		Guaranteed
Nitrogen (N)	min	4.4%
Boron (B)	min	8.86%
Manganese (Mn)	min	0.09%
Molybdenum(Mo)	min	0.44%



NUTRIENT BOOST

Boron: aids shoot growth, sugar transfer, protein synthesis, meristematic activity and growth, use of auxin in the plant.
Manganese: enzyme activation, photosynthesis, nitrate reduction and protein synthesis.
Molybdenum: Nitrate reduction, protein synthesis, contributes to the nodulation of legumes.

WHAT IT DOES AND HOW IT WORKS

Helio TRACE BM is a multipurpose product. It is made up of a completely balanced formulation and is especially suited to the needs of oilseeds. Helio TRACE BM is made up of high-purity nutrients and is totally soluble.

RECOMMENDED USE

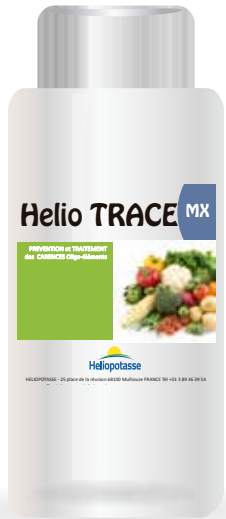
- SOIL APPLICATION**
All crops: 5 to 8 L before sowing or planting
- FOLIAR APPLICATION** (3 L/ha) maximum concentration 1.5%
- Sunflower: 2 applications from 5 pairs of leaves to pre-flowering
- Sugar beet: 2 applications during starting period and on well-developed foliage
- Rapeseed: 1-2 applications from 2/3 leaves to start of flowering
- Pea: 1-2 applications from 5/6 leaves to pre-flowering
- Vegetables and fruit trees*: 1 to 2 applications on well-developed foliage or before and after flowering

*For protected crops, you should do a preliminary test and observe the plant's response.

HELIO TRACE Mx

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.12	Storage	Protect from frost
Shelf life	18 months	Packaging	10L (pallet 600L)

CHEMICAL COMPOSITION		
		Typical
Boron (B)		min 198 ppm
Copper (Cu)	27 ppm	
Iron (Fe)		min 2200 ppm
Manganese (Mn)		min 570 ppm
Molybdenum (Mo)	24 ppm	
Zinc (Zn)	190 ppm	



NUTRIENT BOOST

Provides a combination of trace elements essential to the healthy development of the crop. The proportion of each element is specific to the needs of the plant, allowing an improvement in its overall nutritional status. The balance of trace elements is similar to that found in the sap of plants. The trace elements are, for the most part, in a chelated form, increasing their level of absorption, assimilability and circulation through the plant.

WHAT IT DOES AND HOW IT WORKS

Helio TRACE Mx is a complete and balanced liquid formulation containing all the trace elements essential to plants in nutrient solutions. When used in fertigation, Helio TRACE Mx complements and balances the major nutrients (nitrogen, phosphorus, potassium and magnesium).

RECOMMENDED USE

Helio TRACE Mx is formulated for use via direct injection or using stock solutions. Dose should be calculated according to the crop's requirement and equipment being used. Safety standards advise using this fertiliser at a working solution of between 0.1 and 1.5 kg/m3 after dilution.

HELIO TRACE Mz

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.3	Storage	Protect from frost
Shelf life	18 months	Packaging	10L (pallet 600L)

CHEMICAL COMPOSITION			
		Guaranteed	
Sulphur (SO3)	min	12.8%	
Manganese (Mn)	min	5.38%	
Zinc (Zn)	min	3.84%	



NUTRIENT BOOST

Zinc: growth hormone synthesis, enzymatic functioning, protein synthesis
Manganese: Enzyme activation, chlorophyll synthesis, nitrate reduction and protein synthesis
Sulphur: protein constituents, enzymatic role, photosynthesis

WHAT IT DOES AND HOW IT WORKS

Helio TRACE Mz prevents and corrects the deficiencies in zinc and manganese of all crops, and can be applied to foliage or soil. Helio TRACE Mz guarantees high yields and improves the quality of the harvest (dry material, grade, colouring). It provides the nutrients zinc, manganese and sulphur in highly concentrated liquid forms, which are 100% soluble and very pure so as to be 100% efficient.
Helio TRACE Mz is a ready-to-use liquid product that acts “softly” on foliage and fruits for ease of use, safety of use and safety for consumers.

RECOMMENDED USE

USE ON FOLIAGE

Fruit trees (apple, stone fruits, citrus) apart from apricot: 5 L, maximum concentration 1%; 2 applications at flowering stage and then when fruit appears, and a further 2 applications during fruit development.
Vegetables and other crops sensitive to zinc deficiency*: 5 L, maximum concentration 1%; 1 to 2 applications on sufficiently developed foliage every 10 days.

USE ON SOIL

5 to 10 L depending on the level of recovery required.

* For other crops and crops under protection, conduct a preliminary test at a concentration of 0.5% to observe the crop's behaviour.

HELIO TRACE Cu

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.23	Storage	Protect from frost
Shelf life	18 months	Packaging	10L (pallet 600L)

CHEMICAL COMPOSITION			
		Guaranteed	
Copper* (Cu)	min	7.5%	

*EDTA Chelated



NUTRIENT BOOST

Copper: enzymatic role, role in photosynthesis, protein synthesis, lignin synthesis, ear fertility

WHAT IT DOES AND HOW IT WORKS

Helio TRACE Cu prevents and corrects deficiencies in copper of all crops, and can be applied to foliage or soil. Helio TRACE Cu guarantees high yields and improves the quality of the harvest. It provides the nutrient copper in highly concentrated liquid form, which is 100% soluble and very pure so as to be 100% efficient. Helio TRACE Cu is a ready-to-use liquid product that acts very “softly” on foliage for ease of use and safety of use. The copper is concentrated to allow for the fastest absorption and greatest systematic effect on the plant.

RECOMMENDED USE

SOIL APPLICATION

All crops: 3 L/ha, maximum concentration 1%, 5-10 L before sowing or planting.

FOLIAR APPLICATION

Cereals: 1.5 L/ha, maximum concentration 0.75%, 1 to 2 applications from beginning stage to ears 1cm.
Maize and other crops: 1 L/ha, maximum concentration 0.5%, 2 to 3 applications in case of difficult start then on well developed foliage.

AUTUMN TREATMENT OF FRUIT TREES

Copper chelate is known for its healing and defoliating effects. Dose for fruit trees: 10 L/ha.
Use a large volume of water in 1000 L/ha.

HELIO TRACE Fe (f)

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1.3	Storage	Protect from frost
Shelf life	24 months	Packaging	10L (pallet 600L)

CHEMICAL COMPOSITION			
		Guaranteed	
Iron*	(Fe)	min	7.15%
*EDTA Chelated			



NUTRIENT BOOST

Iron: respiration, chlorophyll formation, functioning of the photosynthetic systems, protein metabolism, nitrate reduction

WHAT IT DOES AND HOW IT WORKS

The anti-chlorosis effect of iron. In perennial plants, vines and fruit trees, iron deficiencies (visible or non-visible ferric chlorosis) are common and made more frequent by climatic phenomena. Helio TRACE Fe (f) allows the serious consequences of this on yield and harvest quality to be avoided. Its chelated EDTA form means that it is able to act rapidly and systematically to optimize the photosynthetic functioning of the plant.

RECOMMENDED USE

FOLIAR APPLICATION

All crops: 1L/ha, maximum concentration 1%
1-3 applications every 8-10 days as necessary.

FERTIGATION

Helio TRACE Fe can be used via direct injection (stock solution). Safety standards advise using this fertiliser at a working solution of between 20ml and 100 ml/m3 of water after dilution.

HELIO TRACE Fe (s)

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	European Union
Density	1	Storage	Protect from humidity
Shelf life	36 months	Packaging	1 kg (pallet 400 kg) 10kg (pallet 800kg) 2 boxes of 400 kg)

CHEMICAL COMPOSITION			
		Guaranteed	
Iron*	(Fe)	min	6%
*EDTA Chelated			



NUTRIENT BOOST

Iron: respiration, chlorophyll formation, functioning of the photosynthetic systems, protein metabolism, nitrate reduction

WHAT IT DOES AND HOW IT WORKS

Helio TRACE Fe (s) Ultra is specially formulated with purified active nutrients, for quick and long-lasting effects on soil, thanks to its balance of ORTHO and PARA forms. Helio TRACE Fe (s) is immediately soluble in the treatment mixture.

RECOMMENDED USE

Vines: 25-50 kg or 5-10 g/plant
Fruit trees: 25-80 kg or 30-100 g/plant
Vegetables and other crops: 20-50 kg or 2-5 g/m2

Helio TRACE Fe Sol should be added directly to the water treatment after filling the tank of the application device.

HELIO TRACE Zn

PHYSICAL CHARACTERISTICS		ADDITIONAL INFORMATION	
Appearance	Liquid	Origin	France
Density	1.24	Storage	Protect from frost. Store in original container, out of direct sunlight and tightly closed.
Shelf life	36 months	Packaging	10L

CHEMICAL COMPOSITION		
Zinc*	(Zn)	Guaranteed min 7.47%
*EDTA Chelated		



Maximum concentration 1%

NUTRIENT BOOST

Zinc: growth hormone synthesis, enzymatic functioning, protein synthesis

WHAT IT DOES AND HOW IT WORKS

Helio Trace Zn prevents and treats zinc deficiencies in all crops, and can be applied to foliage or soil. Helio Trace Zn contains high concentrations of zinc that prevent and therefore efficiently treat the zinc deficiency, which can seriously impact yield and harvest quality. Helio Trace Zn is a ready-to-use liquid product for foliar and soil application. Its EDTA chelated form means that it is able to act fast and systematically to optimize photosynthetic activity in the plant.

RECOMMENDED USE

FOLIAR APPLICATION

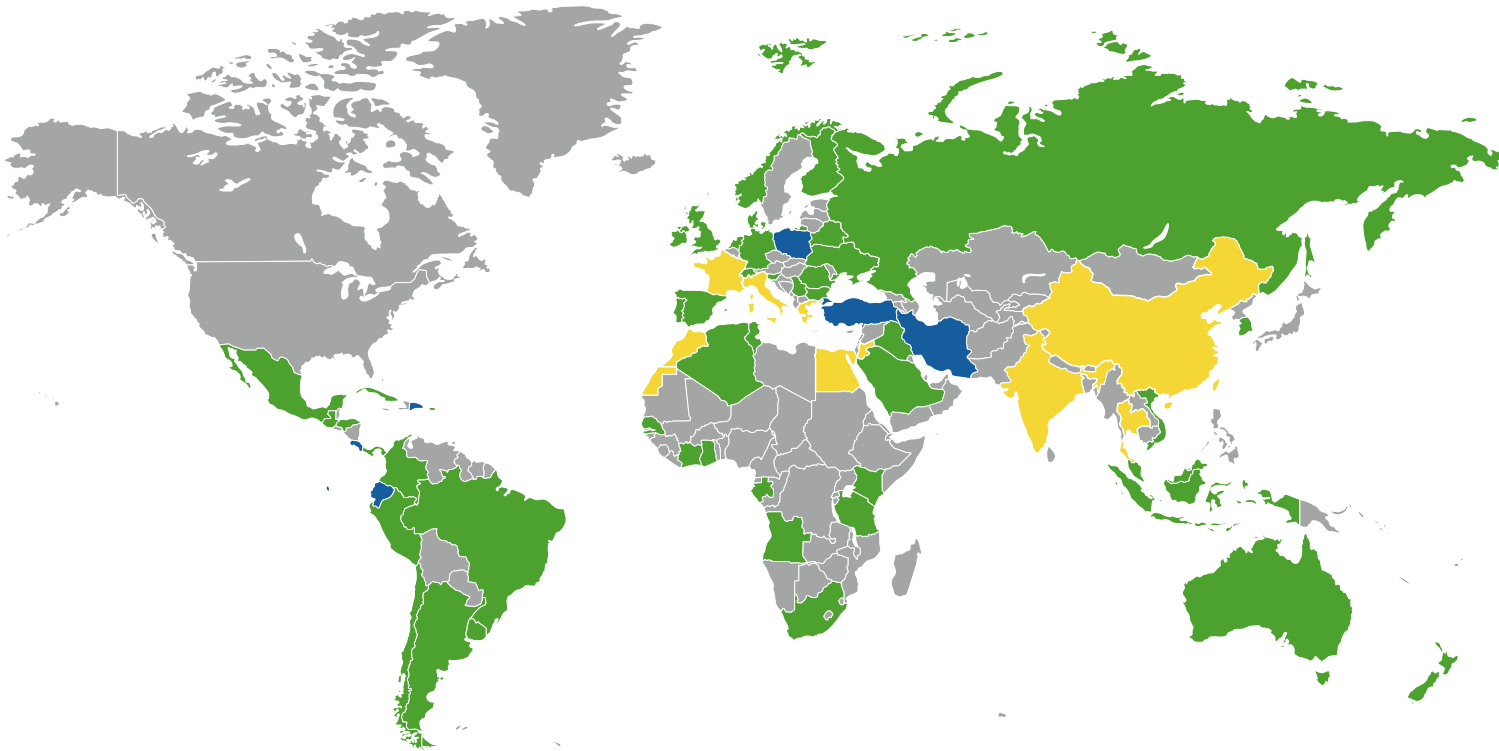
- Bean: 0.75 L/ha, 1 application from green bud stage
- Flax: 3.5 L/ha, 1 application from 3-4 cm
- Maize: 3 L/ha, 1 application from 5-6 leaves
- Pea and soybean: 0.7 L/ha, 2 applications from 8-10 cm and then green bud
- Apple tree, pear tree, cherry tree: 1.5 L/ha in 600 L water min., 2 applications from flower buds visible, and then just before flowering.
- Plum tree: 1.5 L/ha in 600 L water min., 3 applications from inflorescence buds swelling to flower buds visible, and then from separated flower buds

SOIL APPLICATION

All crops 3-4 L/ha before sowing or planting.

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Do you have a question about plant nutrition?

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