



for a better life  
**olmx** Plant Care

Biostimulants and nutritional solutions

for a better life  
**olmx** Group



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for a better life  
**olmix** Plant Care

*Your partner for a sustainable agriculture!*

The Olmix Group specialises in the development of technological solutions to support its agricultural sector partners with the transition toward more sustainable crop production methods in order to reduce the environmental impact.

Because the future requires us to produce more with fewer non-renewable resources, **Olmix Plant Care division designs and develops a full portfolio of innovative biostimulants and nutritional solutions, mostly based on renewable active ingredients, in order to stimulate all the natural processes of plant growth and development.**



With its new generation of inputs, Olmix Plant Care supports farmers to deliver sustainable agriculture, based on healthy soils and plants, with high-level technical and economic performance in the context of climate change, and all with a minimal Carbon footprint.

**A GLOBAL PRESENCE**

Olmix Plant Care is developing an international ecosystem of partners – farmers, distributors and scientists – in more than 50 countries. Mainly located in Europe, Olmix Plant Care also exports its biosolutions in CIS, Asia, Latin America and Africa.



## From research to field experiments

### INNOVATION IS OUR DNA

The R&D department relies on the skills of scientists, agronomists and field experts.

The innovation process takes place in different phases:

- **Biotests allow us to study a wide variety of active ingredients** in the laboratory, as well as their possible combinations. This phase makes it possible to measure not only the impact of the solutions on the development of the plant (the phenotype) but also on the expression of the genes (the genomics).

- **Field experiments to measure the reliability of the solutions on the targeted crops in a variety of soil and climate conditions.** This phase makes it possible to evaluate the best agronomic positioning of the solutions, as well as their behavior in combination with other products (e.g. plant protection products) under real conditions of use.

Throughout the innovation process, Olmix Plant Care collaborates with a large number of scientific and technical partners.

### SOME OF OUR PARTNERSHIPS



## From lab formulations to industrial processes

Between formulation on a laboratory bench and large-scale industrial production, there are many pitfalls. Guaranteeing farmers quality products with preserved bioactive properties requires high-level know-how and rigorous processes.

The Olmix Plant Care Division has 3 industrial units for the production of finished products and a unique high-tech biorefinery (Biotech Center) for the extraction of bioactive molecules from marine algae.



# Promoting the systemic management of crop production

The transition toward a more sustainable agriculture requires managing 3 key factors of crop production:

- ▶ SOIL QUALITY AND RESILIENCE
- ▶ NUTRITION AND WATER UPTAKE BY THE ROOTS
- ▶ THE PLANT RESISTANCE TO STRESS

In order to improve those key-factors, Olmix Plant Care designs effective biostimulants and nutritional solutions dedicated to various

spheres impacting soil, seeds and plants.

Olmix Plant Care promotes also virtuous agronomic practices and appropriate ecosystem management as essential components for sustainable agriculture.

All this together builds a systemic management of plant production maximising results in the fields: better technical performance, higher profitability and lower environmental footprint.



- 3 KEY FACTORS**
- ▶ SOIL QUALITY AND RESILIENCE
  - ▶ NUTRITION AND WATER UPTAKE BY THE ROOTS
  - ▶ THE PLANT RESISTANCE TO STRESS

AIM TO...

Yield

Quality

Sustainability

Profitability

# Our technologies

R&D work and many years of field trials demonstrate the effective performance of our active ingredients but also the innovations from our formulation engineering.

These technologies are at the heart of the effectiveness of our product ranges.



Beneficial effects of nutrients and active extracts from algae to stimulate plant growth with the ability to withstand stress, but also to boost soil microflora



Use of the bioactive properties of minerals and specific trace elements to stimulate the plant's biological reactions and the soil microflora.



Specific complex to generate an active uptake of metal salts at the leaf surface (as opposed to passive) and thus to improve nutrition efficiency at low application rates.



Long-life DROP - a proprietary formulation of binding agents and surfactants to ensure an intimate contact of the solution with the leaf for rapid uptake and reduced risk of scorch.



Patented process of organo-mineral formulations to complex soil-applied nutrients and ensure their sequential and progressive release into the soil (compleX for SEquential Release).





## The algae power

SEATECH® brings together all the algo-based technologies and ingredients developed by Olmix Plant Care.

### ALGO-SOURCED INGREDIENTS

Whether they come from the group's biorefinery or from rigorous sourcing from selected partners, the algo-sourced ingredients used by Olmix Plant Care in the development of biostimulants **aim to generate maximum biological activity in plants and soils.**



Concentrated liquid seaweed extracts, rich in bioactive compounds (minerals, trace elements, sugars, hormones, amino acids...).

- ▶ **Enrichment of the sap with essential nutrients**
- ▶ **Stimulation of growth**

Based on its unique technology, Olmix Plant care has developed **several ingredients:**

- **R-SEANERGY:** red seaweed liquid extracts
- **B-SEANERGY:** brown seaweed liquid extracts
- **M-SEANERGY:** Mix of seaweed liquid extracts from different species

In order to enhance SEANERGY liquid extracts, especially to **improve the plant's resistance and work with PPP's Olmix Plant Care has designed SEALICA:**



Concentrated liquid algae extracts, enriched with inorganic acid with biostimulant properties

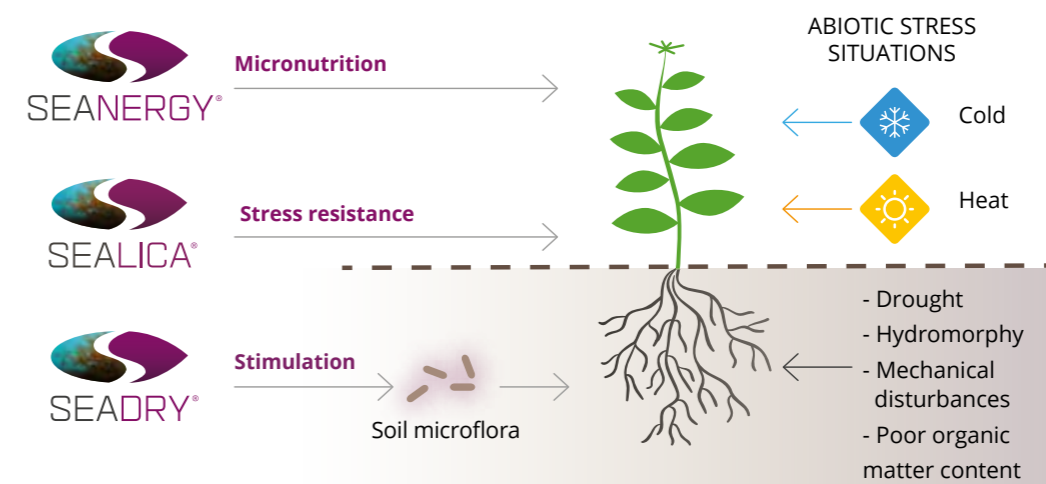
- ▶ **Increased cell response to oxidative stress**
- ▶ **Increased plant resistance to abiotic stresses (drought, cold, etc.)**



Dehydrated seaweed powder, rich in nutrients useful for the soil microflora

- ▶ **Stimulation of the biological activity of the soil**
- ▶ **Supply of nutrients for the rhizosphere**

### A FULL RANGE OF ACTIONS



### CHARACTERISTICS OF SEAWEED

Seaweeds contain unique compounds with biostimulant properties for cultivated plants and for the microbial flora of soils. Although the different families of seaweed have different analytical profiles, they all have in common that they possess unique molecules specific to seaweed: marine sulphated polysaccharides (MSP®).

Recent research has demonstrated the value of these sulphated polysaccharides as plant growth promoters and as elicitors of defence mechanisms against all stress factors.

	Red algae	Brown algae	Green algae
Minerals and micronutrients	+++	++	++
Carbohydrates	+	++	++
Proteins	++	+	++
Sulphated polysaccharides	Carrageenans	Fucoidans	Ulvans

Olmix Group has its own biorefinery which enables it to process algae collected in a sustainable way in the natural environment (exploitation of algae fields or collection of stranded algae)



Olmix Plant Care has mastered an original know-how based on the **stimulation of enzymatic activities through the controlled addition of specific minerals and trace elements**. The latter have multiple biological properties due to their role as **enzymatic cofactors** for numerous biological reactions in the cells. This is the core of the patented MIP<sup>®</sup> concept - Mineral Inducer Process.

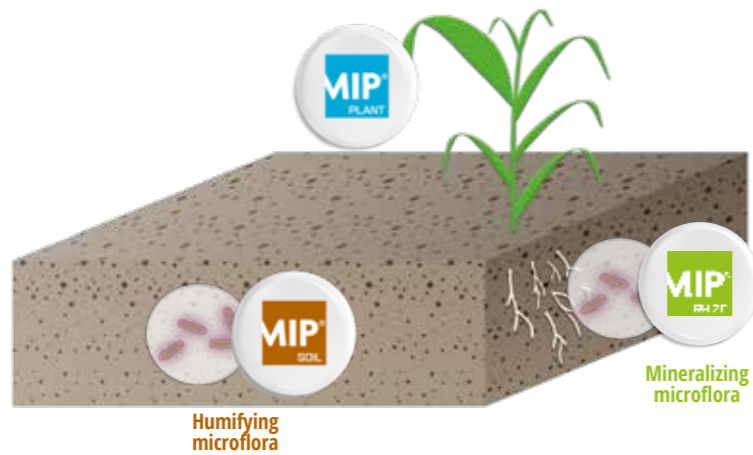
**A CONCEPT FOR SOIL AND PLANTS**

The principle is to **select, formulate and supply the mineral ingredients that are essential for the proper functioning of biological reactions in the target organisms**. The selected minerals will be used in the **production of enzymes**. These proteins are involved in many processes such as the decomposition of organic matter by the soil microflora or the protection of plant cells during stress. This technology therefore aims both **to improve the functioning of the soil and to stimulate the plant**.

**3 SPECIFIC CORES DEVELOPED AND USED ACCORDING TO THE OBJECTIVES**

**MIP<sup>®</sup> PLANT**

Triggering of the calcium signal within the plant cell, a signal that generates adaptative responses from the plant: photosynthesis, detoxification, root growth...



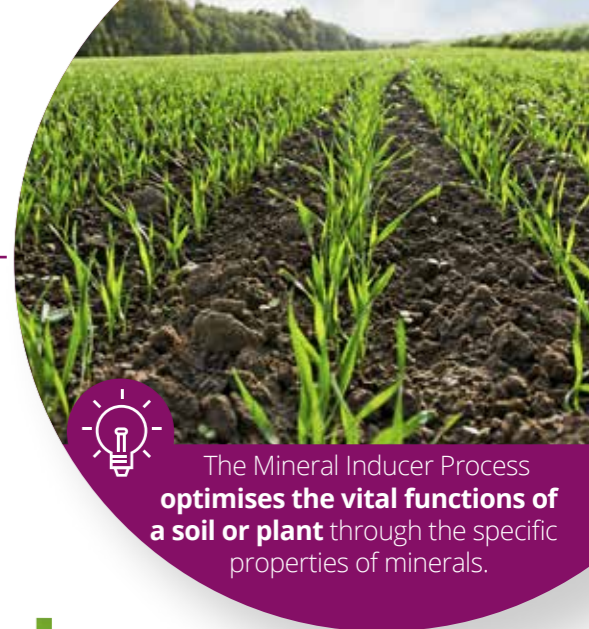
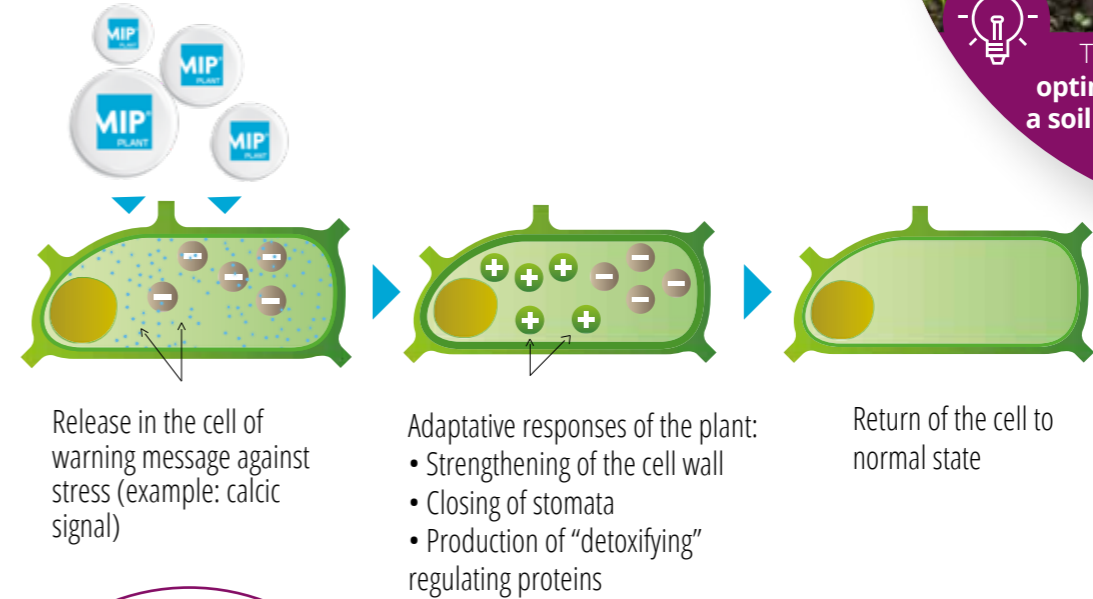
**MIP<sup>®</sup> SOIL**

Stimulation of enzymatic reactions involved in the transformation of raw organic matter and especially humification (α-glucosidase, β-glucosidase, ...)

**MIP<sup>®</sup> RHIZO**

Stimulation of enzymatic activities involved in the mineralisation of organic matter and in nitrogen and phosphorous absorption by the roots.

**APPLIED TO THE LEAF**

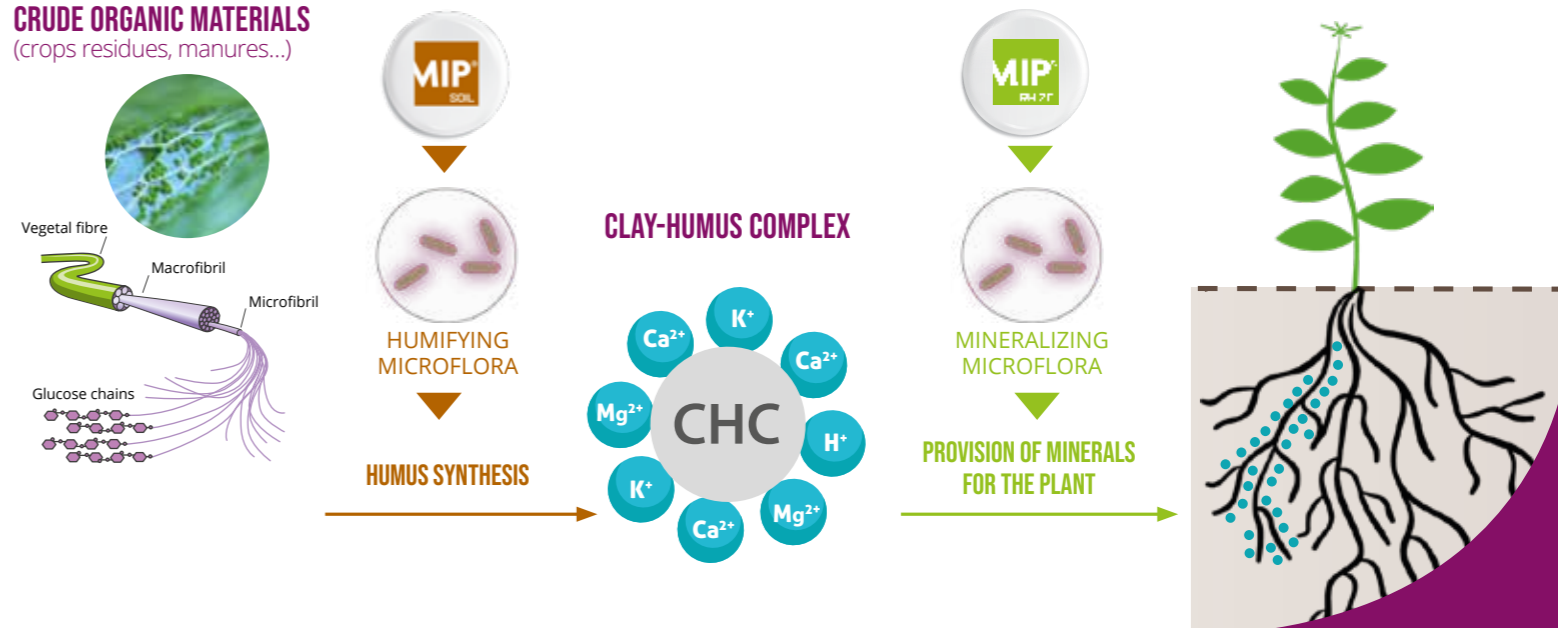


The Mineral Inducer Process **optimises the vital functions of a soil or plant** through the specific properties of minerals.



**APPLIED TO THE SOIL AND THE ROOTS**

**CRUDE ORGANIC MATERIALS**  
(crops residues, manures...)





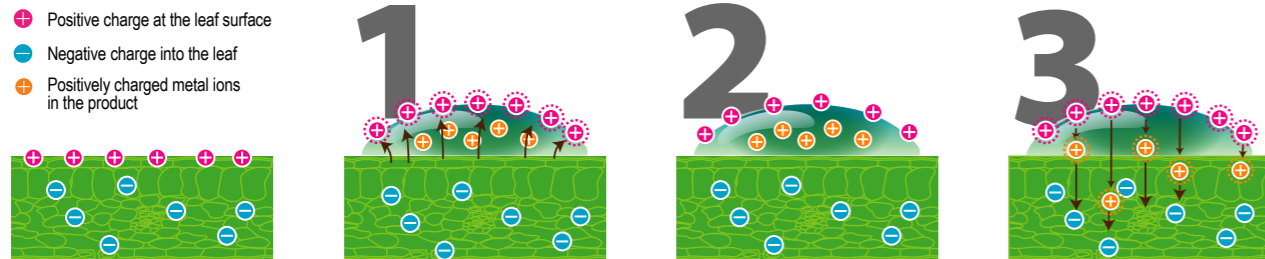
# OPENLEAF® *Active uptake technology*

The performance of a foliar solution is expressed by the ability of the **ingredients to reach their target in the plant in a minimum of time.**

OPENLEAF® is an exclusive technology of Olmix Plant Care to generate **an active uptake of nutrients at the leaf surface (as opposed to passive) and thus to improve nutrition efficiency at low application rates.**

## HOW DOES OPENLEAF® WORK?

OPENLEAF® technology creates an electrical gradient that moves the positive charge on the leaf surface to the top of the droplet (1), increasing the electrical potential difference (2). The positively charged metal ions in the product are repelled by the stronger ones at the droplet surface and strongly attracted to the negative ones inside the leaf (3). OPENLEAF® works with all divalent metallic cations.

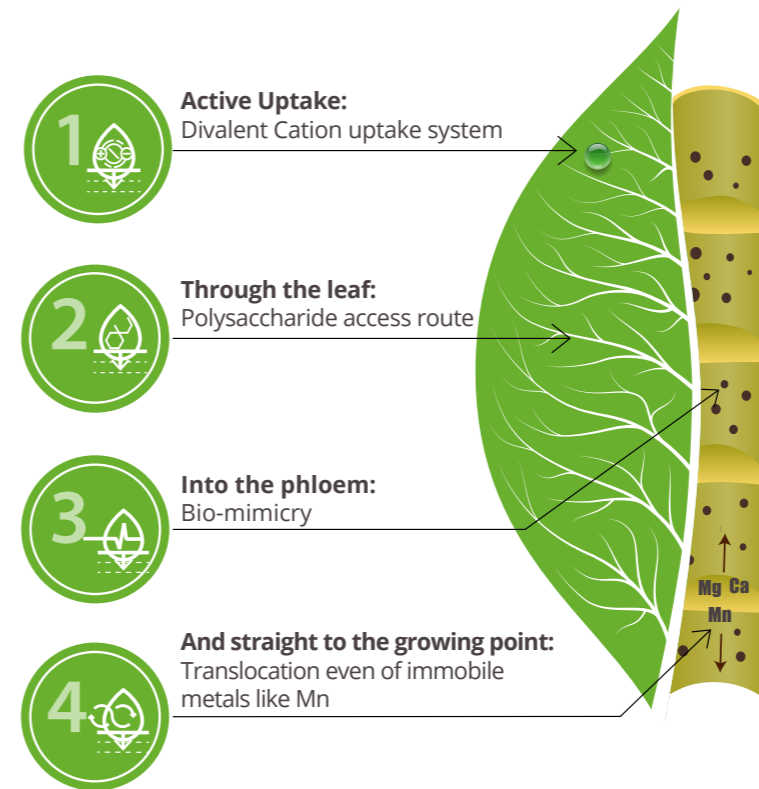
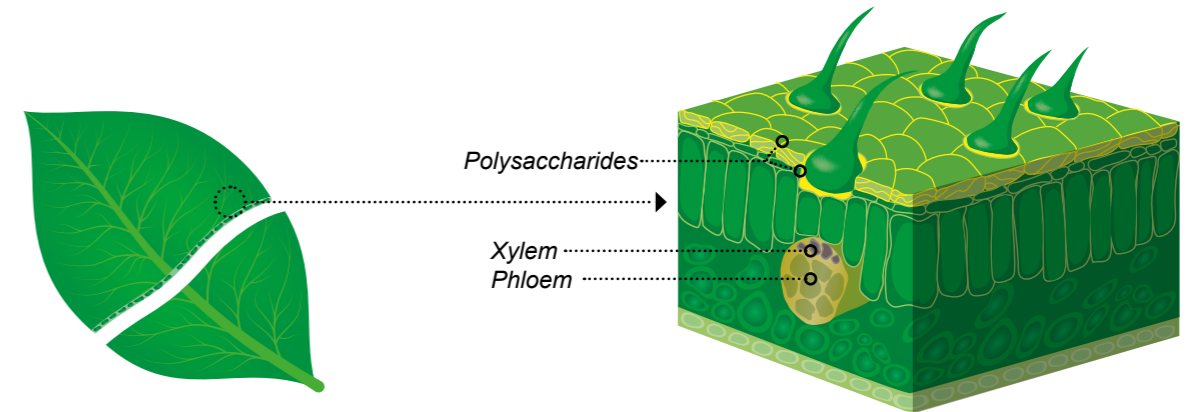


Thanks to its unique formulation inspired by **bio-mimicry** and based on **natural leonardite-derived humic and fulvic acids complexed with lignin salts**, OPENLEAF® carries metal ions into the phloem, straight to the growing point.



## USE POLYSACCHARIDE PATHWAYS TO THE HEART OF THE LEAF

OPENLEAF® technology uses the **polysaccharide route into the leaf**. This polysaccharide is found both in the beds which anchor the trichomes sited to protect areas where the phloem is loading and in striations in the leaf wax running through the surface into the epidermis.



## OPENLEAF® OPTIMISES AN EFFICIENT MOVEMENT

of the product into the phloem taking the elements to wherever the growth is taking place, even immobile elements like Manganese.

The technology has proven to consistently generate yield responses even in the absence of any measurable deficiency.



Long-life drop technology

Long-life DROP is a proprietary formulation to ensure an **intimate contact of the foliar solution with the leaf for a no scorch active uptake of ingredients.**

### L-DROP TECHNOLOGY MAXIMISE UPTAKE

L-DROP uses polymers properties from the same group of compounds as the leaf wax, creating intimate contact between the liquid and the leaf and allowing the **absorption of the content of the droplet by rapid diffusion.**

The polymers and other humectants stop the droplet from drying too rapidly, **protect the leaf from scorch, and maximise uptake.**

Natural humectants and the polymers of the L-DROP technology also **slow the drying time by around 30% compared to other products tested.**

### THE L-DROP BENEFITS



A bigger proportion of optimally sized droplets **BETWEEN 50 AND 250 MICRONS**



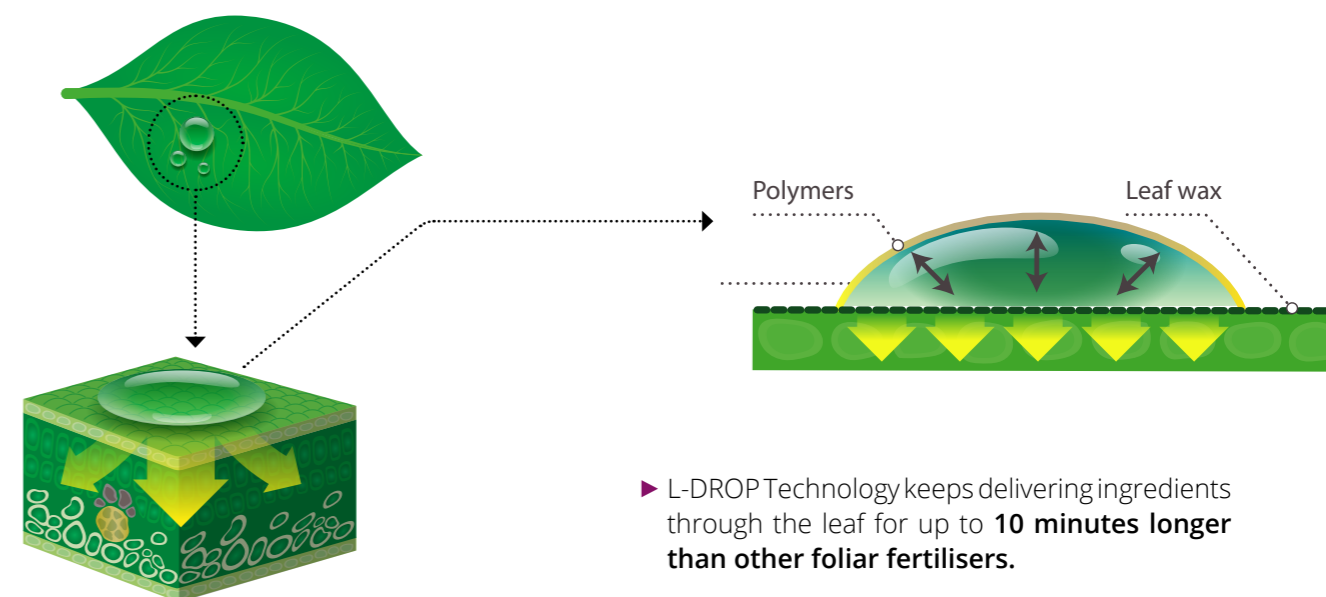
Higher droplet retention on the leaf **UP TO 97% OF THE MATERIAL STAYS ON THE LEAF**



A perfect hemispherical shape **FOR MAXIMUM UPTAKE, AND DROPLET LIFETIME**



**L-DROP CREATES AN INTIMATE CONTACT WITH THE LEAF FOR A LONG TIME ACTIVE UPTAKE AND NO SCORCH.**



► L-DROP Technology keeps delivering ingredients through the leaf for up to **10 minutes longer than other foliar fertilisers.**







## Progressive release of nutrients

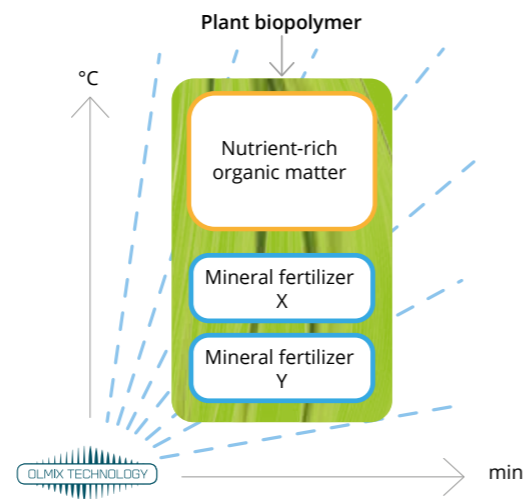
Releasing the nutrients as they are required for growth and reducing losses to the environment - these are the goals of the XSER® technology (Complex for SEquential Release).

### LONG-TERM NUTRITION FOR PLANTS

The patented XSER® technology combines fertiliser raw materials with differing modes of action with an organic substrate.

XSER® links the nutrients and the organic substrate together using a plant polymer in a thermal process.

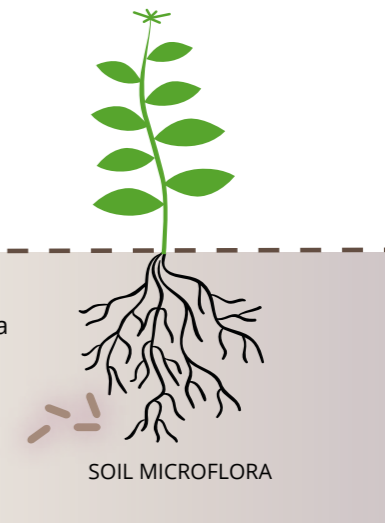
The complex bonding thus created protects the nutrients from leaching and also extends the release of the fertilizer into the soil solution. The progressive breaking of the bonds synchronises the nutrient release with the uptake requirements of the plant, preventing at the same time excessive concentration in the soil solution available for leaching.



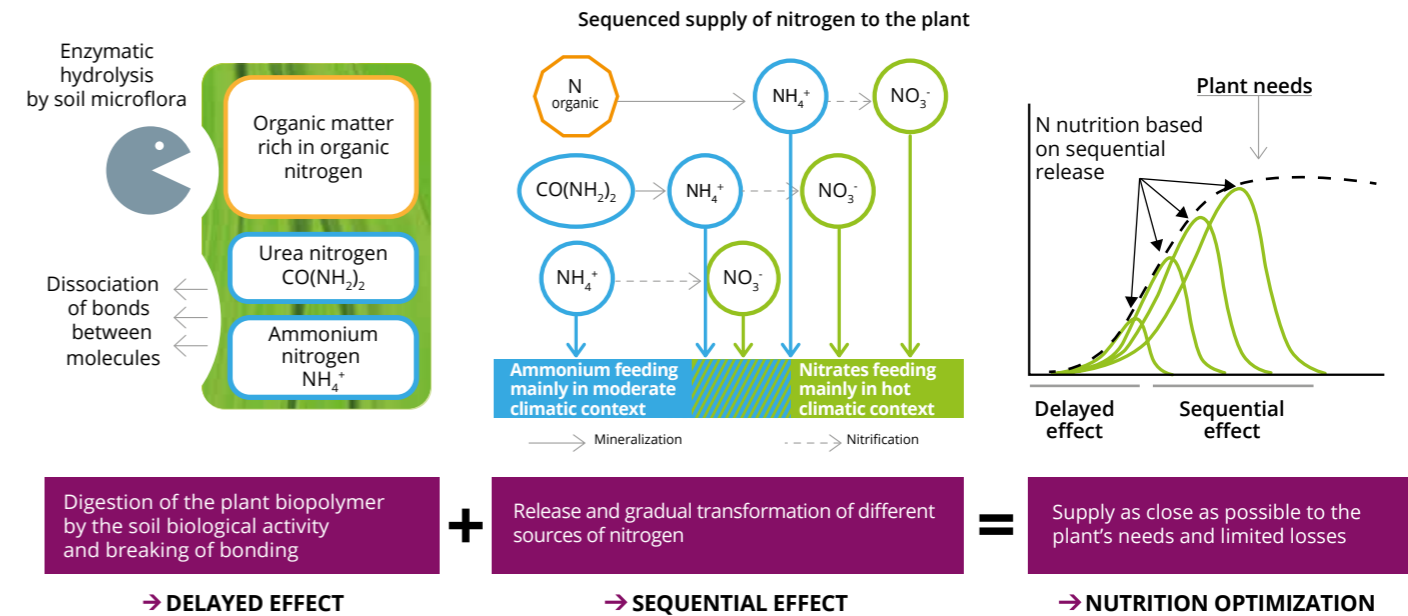
### THE XSER® TECHNOLOGY PROVIDES TECHNICAL, ECONOMIC AND ENVIRONMENTAL BENEFITS



- Homogeneous and regular plant growth
- Reduced fertilizer dose rates
- Stimulation of the soil microflora
- Fewer losses into the environment



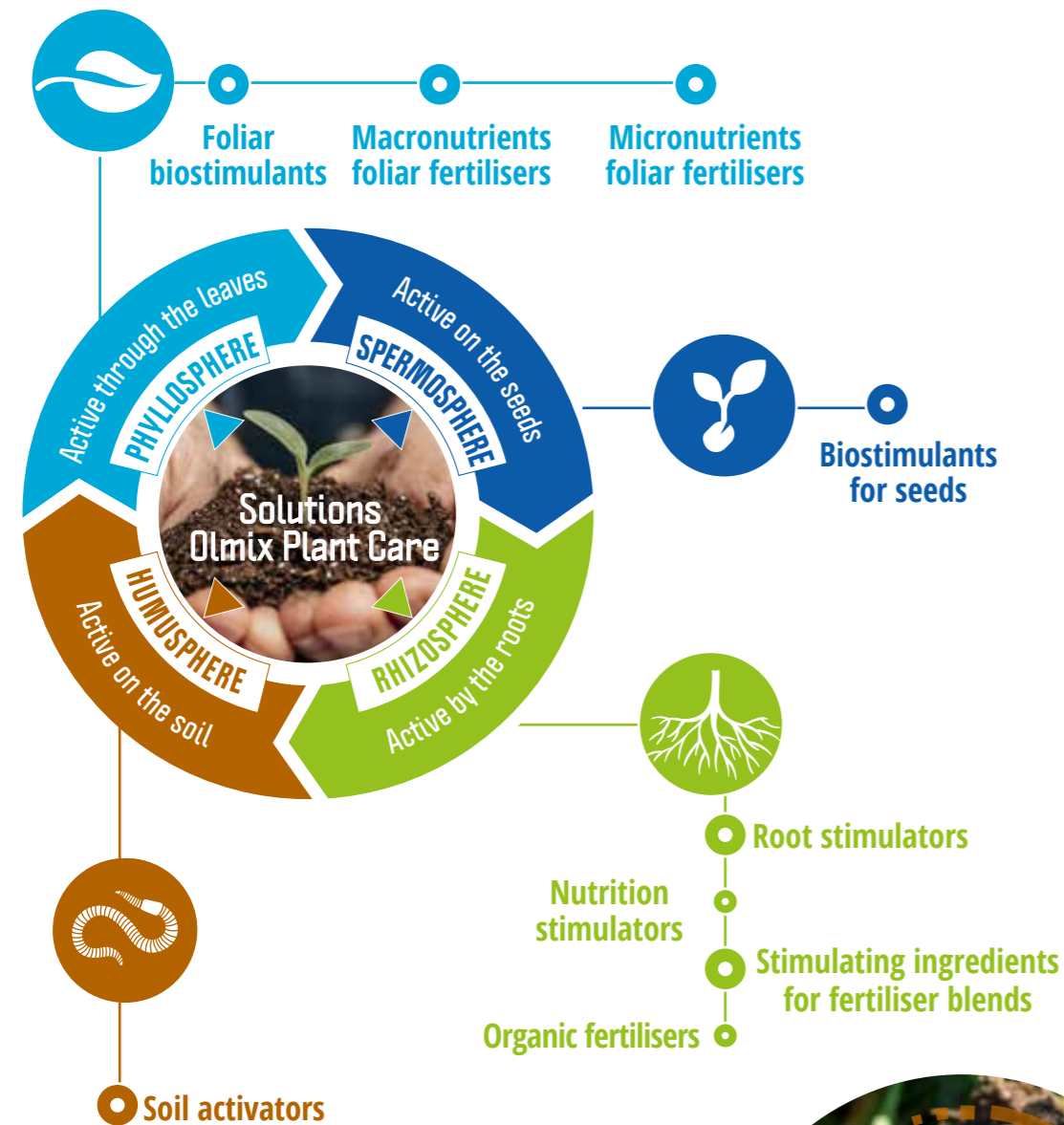
### XSER® APPLIED TO NITROGEN RELEASE





## Our solutions

Olmix Plant Care provides a **full portfolio of solutions to support the essential requirements of both soil and plants.** Included in best agronomy programs from seeding to harvest, the unique biostimulants and nutritional solutions from Olmix Plant Care upgrade farming practices in a **way that is more environmentally friendly and yet profitable for producers.**



## Our main brands

### ACTIVE THROUGH THE LEAVES



Foliar biostimulants

**Agroptim**  
**Algomel**  
**Seamel**  
**C-weed 50**  
**C-weed AAA**  
**Proplex**  
**Amino Gold XL**

Macronutrients foliar fertilisers

**Multi-N**  
**Elevate**

Micronutrients foliar fertilisers

**Amix**  
**BroadAcre**

### ACTIVE BY THE ROOTS



Nutrition stimulators

**Primeo**  
Root stimulators  
**Explorer**

Stimulating ingredients for fertiliser blends

**Cormin**

Sequential release fertilisers

**Marathon**

### ACTIVE ON THE SOIL



Soil activators

**Neosol**

### ACTIVE ON THE SEEDS



Biostimulants for seeds

**Seedup**  
**Probio TP**  
**Prodigy ST**





# Agroptim RANGE

## FOLIAR BIOSOLUTIONS BASED ON MINERAL INDUCER PROCESS

The **Agroptim range** is based on the original and exclusive technology MIP® PLANT. By activation of stress warning mechanisms inside plant cells, Agroptim biosolutions support yield components building all along the crop cycle.

### TECHNOLOGY:



**MIP® PLANT:** Specific minerals and trace elements selected to induce a physiological response of the plant.

### SELECTED FORMULAS:

Formulas	Features and main targets
<b>Agroptim SUNSET</b>	The pure MIP® PLANT formulation for a wide range of applications, particularly in combination with post emergence herbicides
<b>Agroptim ZENITH</b>	MIP® PLANT technology combined with ureic nitrogen. For all crops, particularly in poor conditions to support plant nutrition
<b>Agroptim LAGOON</b>	Specific formulation enriched with Boron, Molybdenum and brown seaweed extract. The perfect formula dedicated for oil and protein crops

### BENEFITS:

- Support of plant physiology even in hard conditions (heat, drought, chemical stress...)
- Stimulation of photosynthesis
- Improvement of nutrient uptake by the roots



# Seamel RANGE

## FOLIAR BIOSOLUTIONS BASED ON RED SEAWEED EXTRACTS FOR ORCHARDS, VEGETABLES AND VINES

The **Seamel range** takes advantage of the unique properties of red seaweed *Solieria chordalis* collected on the east coast of Atlantic ocean. Rich in bioactive ingredients, Seamel range improves plant nutrition and strengthens vitality of perennial crops and vegetables throughout their growing cycle.

### TECHNOLOGIES:



**R-SEANERGY®:** Highly concentrated red seaweed extracts in poly- and oligosaccharides, proteins and minerals.



**SEALICA®:** Patented technology combining red seaweed extracts and stabilized monomeric silica.

### SELECTED FORMULAS:

Formulas	Features and main targets
<b>Seamel BOOSTER</b>	The combination of manganese with SEANERGY® technology fits particularly with the needs of plants during early spring or young stages
<b>Seamel DYNAMIC</b>	Enriched formulation with zinc and manganese to support photosynthesis and vigor of vegetable and horticultural crops
<b>Seamel BLOOM</b>	Enriched formulation with boron, molybdenum and magnesium to support and secure flowering period
<b>Seamel PREVENT</b>	Based on SEALICA® technology, this formula enhances the robustness of plants, useful for the success of integrated crop protection programmes
<b>Seamel BARRICADE</b>	Specific formulation with stabilized copper oxychloride to support the robustness of plant, jointly with crop protection programs.

### BENEFITS:

- Supply of bioactive ingredients and micronutrients to support plant physiology
- Stimulation of photosynthesis
- Optimization of flowering and fertilization
- Yield and quality improvement





# Algomel RANGE

## FOLIAR BIOSOLUTIONS BASED ON RED SEAWEED EXTRACTS FOR FIELD CROPS

The **Algomel range** takes advantage of the unique properties of red seaweed *Solieria chordalis* collected on the east coast of Atlantic ocean. Rich in bioactive ingredients, Algomel range improves plant nutrition and strengthens vitality of field crops throughout their growing cycle.

### TECHNOLOGIES:



**R-SEANERGY®:** Highly concentrated red seaweed extracts in poly- and oligosaccharides, proteins and minerals.



**SEALICA®:** Patented technology combining red seaweed extracts and stabilized monomeric silica.

### SELECTED FORMULAS:

Formulas	Features and main targets
<b>Algomel PUSH</b>	The combination of manganese with SEANERGY® technology fits particularly with the needs of plants during young stages
<b>Algomel Zn-Mn</b>	Specific balance of micronutrients for crops sensitive to zinc and manganese deficiencies, such as corn
<b>Algomel Mn-Cu</b>	Specific balance of micronutrients for crops sensitive to copper and manganese deficiencies, such as cereals
<b>Algomel PROACT</b>	Based on SEALICA® technology, this formula strengthens crops vitality, particularly of barley, sunflower and potatoe.
<b>Algomel SHIELD</b>	Specific formulation with stabilized copper oxychloride to support crop vitality, particularly on sugar beet and potatoe

### BENEFITS:

- Supply of bioactive ingredients and micronutrients to support plant physiology
- Stimulation of photosynthesis
- Higher biomass synthesis



# Proplex

## FOLIAR BIOSOLUTION BASED ON BROWN SEAWEED EXTRACTS

**Proplex** is a unique combination of bioactive ingredients: brown seaweed extract *Ascophyllum nodosum* and amino acids. With the contribution of the OPENLEAF® technology, Proplex promotes an effective nutrition and unleashes the yield potential of field crops.

### TECHNOLOGIES:



**B-SEANERGY®:** Brown seaweed *Ascophyllum nodosum* extracts rich in short-chain oligomers, specific, bioactive and concentrated.



**OPENLEAF®:** Technology to generate an active uptake of nutrients at the leaf surface (as opposed to passive) and thus to improve nutrition efficiency at low application rates.

### BENEFITS:

- Boosted photosynthesis
- Stimulation of healthy roots
- Stronger plants
- Yield and quality improvement



# Amino Gold XL

## FOLIAR BIOSOLUTION BASED ON AMINO ACIDS AND NATURALLY DERIVED SUGARS

The natural plant derived amino acids **Amino Gold XL** contains are obtained by a particularly efficient extraction technology in order to preserve the biological activity of the active ingredients.

Amino Gold XL supports growing and yield of fruits and vegetables crops.

### TECHNOLOGY:

All naturally occurring bioactive compounds are processed from natural crude plant extracts after extraction and fractionation.

### BENEFITS:

- Root growth enhancement
- Reduced flower abortion
- Stimulation of fruit set
- Increased yield and quality





# C-weed 50

## FOLIAR BIOSOLUTION BASED ON BROWN SEAWEED EXTRACTS

**C-weed 50** is a biostimulant that combines seaweed concentrate produced from a cool extraction process utilising only *Ascophyllum nodosum* from the Atlantic coast harvested from the intertidal zone and the unique OPENLEAF® technology.

### TECHNOLOGIES:



**B-SEANERGY®:** Brown seaweed *Ascophyllum nodosum* extracts rich in short-chain oligomers, specific, bioactive and concentrated.



**OPENLEAF®:** Technology to generate an active uptake of nutrients at the leaf surface (as opposed to passive) and thus to improve nutrition efficiency at low application rates.

### BENEFITS:

- Increased early rooting
- Increased photosynthesis area
- Increased leaf and shoot growth
- Increased plant carbohydrate production



# C-weed AAA

## FOLIAR BIOSOLUTION BASED ON BROW SEAWEED EXTRACTS AND AMINO ACIDS

**C-weed AAA** is a natural plant growth stimulant obtained by the extraction of both Algae (*Ascophyllum nodosum*) and L-Amino Acids from fermentation of plant materials, generating natural growth promoters. The combination of two highly active components creates a unique biostimulant with multiple application opportunities.

### TECHNOLOGY:



**B-SEANERGY®:** Brown seaweed *Ascophyllum nodosum* extracts rich in short-chain oligomers, specific, bioactive and concentrated.

### BENEFITS:

- Overall reduction in abiotic plant stress levels
- Improved Sugar content in treated crops
- Improved storability of treated crops
- Improved shelf-life of fruits and flowers



# Carboplex

## FOLIAR BIOSOLUTION BASED ON BROWN SEAWEED EXTRACTS AND AMINO ACIDS

**Carboplex** is a combination of naturally occurring biostimulant materials and trace elements formulated with the OPENLEAF® technology, designed specifically for Brix building in plants and boost poorly performing plants.

### TECHNOLOGIES:



**B-SEANERGY®:** Brown seaweed *Ascophyllum nodosum* extracts rich in short-chain oligomers, specific, bioactive and concentrated.



**OPENLEAF®:** Technology to generate an active uptake of nutrients at the leaf surface (as opposed to passive) and thus to improve nutrition efficiency at low application rates.

### BENEFITS:

- Increased Brix levels
- Increased blossom/flower number and quality
- Boosted growth and recovery in poorly performing plants



# Bioplex Mn

## FOLIAR BIOSOLUTION BASED ON BROWN SEAWEED EXTRACTS AND AMINO ACIDS COMBINED WITH MANGANESE

**Bioplex Mn** a combination of our leading biostimulant - Proplex - plus Amix Manganese. It is a combined biostimulant and crop nutrient, that can be used on all crops but is especially useful for cereal crops under stress conditions in early spring.

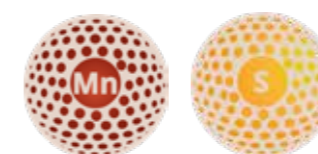
### TECHNOLOGIES:



**B-SEANERGY®:** Brown seaweed *Ascophyllum nodosum* extracts rich in short-chain oligomers, specific, bioactive and concentrated.



**OPENLEAF®:** Technology to generate an active uptake of nutrients at the leaf surface (as opposed to passive) and thus to improve nutrition efficiency at low application rates.



### BENEFITS:

- Increased photosynthesis
- Stimulated root growth
- Faster recovery from stress





Action through the leaves

# Amix RANGE

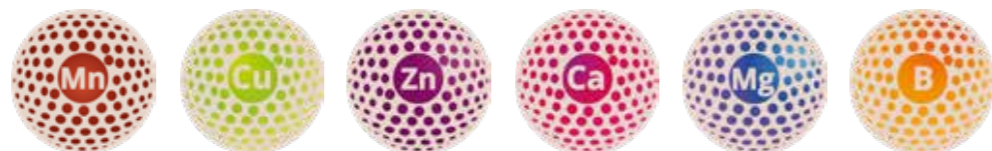
## HIGH PERFORMING LIQUID MICRONUTRIENTS

The **Amix Range** is composed of micronutrients, formulated with OPENLEAF® technology. The Amix formulations typically have a lower application rate than many comparative micronutrient formulations due to their ability to achieve active uptake at the leaf surface and in addition their ability to translocate to the growing point where it is really needed.

### TECHNOLOGY:



**OPENLEAF®:** Technology to generate an active uptake of nutrients at the leaf surface (as opposed to passive) and thus to improve nutrition efficiency at low application rates.



### BENEFITS:

- Produces yield responses in the absence of elemental deficiency
- Improved translocation of lower mobility elements
- Low application rates
- Better yield and quality



# Broadacre RANGE

## HIGH PERFORMING SOLUBLE MICRONUTRIENTS

**Broadacre** is a new range of cost effective and easy to use micronutrients as an alternative to bulk Sulphates and IBC mixes. The products are formulated with high levels of the unique ACIDPLEX technology that ensures fast and efficient solubility, with effective tank mix ability, leaf coverage, adhesion and uptake of the micronutrient at competitive cost.

### TECHNOLOGY:



**ACIDPLEX:** Specific technology designed to upgrade efficacy of soluble powder micronutrients. ACIDPLEX is based on several key components which work synergistically: Complexing agents and water « softeners »



### BENEFITS:

- Fast and efficient solubility
- Effective adhesion and leaf coverage
- Better yield and quality



# Multi-N

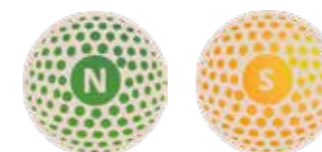
## UNIQUE HIGH EFFICIENCY FOLIAR NITROGEN

**Multi N** is a unique, cutting-edge, foliar applied nitrogen fertiliser (N 33), formulated by complexing urea, ammonium thiosulphate and nitrate. Multi N combines low scorch nitrogen with the most bio-available form of fast response sulphur.

### TECHNOLOGY:



**L-DROP:** Long life Drop is a proprietary formulation of binding agents and surfactants to ensure an intimate contact of the solution with the leaf for active uptake and no scorch.



### BENEFITS:

- Nitrogen boosts for crops
- Stimulation of protein synthesis
- Effective alternative to soil applied nitrogen fertilisers



# Elevate

## NPK AND TRACE ELEMENT FORMULATION

**Elevate** contains both NPK 17-8-8 and bioactive ingredients such as brown seaweed extracts *Ascophyllum nodosum*, plant-sourced amino acids and lignated humic acids. This combination provides essential nutritional elements and activates plant enzymatic processes to optimize yield.

### TECHNOLOGY:



**B-SEANERGY®:** Brown seaweed *Ascophyllum nodosum* extracts rich in short-chain oligomers, specific, bioactive and concentrated.



### BENEFITS:

- Support of plant nutrition even in stressful conditions
- Stimulation of photosynthesis
- Increased productivity and specific weight



Action through the leaves



Action by the roots

# Explorer RANGE

## ROOT STIMULATORS

**Explorer range** contains several pelleted organo-mineral formulas specially designed to stimulate rooting. Explorer formulas are applied close to the seeds at sowing to promote mycorrhization of the young roots and thus to improve nutrients uptake. Thanks to deeper roots, plants are more resistant to drought.

### TECHNOLOGY:



**MIP® RHIZO:** Specific minerals and trace elements to stimulate mineralization process of soil organic matter and improve bioavailability of nutrients.



### SELECTED FORMULAS:

Formulas	Main targets
<b>Exporer S 10</b>	Ideal formula to complete fertilization programs based on manures, slurries or digestates
<b>Exporer 10-0-0 + 26 SO<sub>3</sub></b>	Formula for phosphorus surplus areas
<b>Exporer 6-12-0 + 6 SO<sub>3</sub></b>	Balanced formula for fertilization programs with return of crop residues to the soil
<b>Exporer 10-20-0 + 9 SO<sub>3</sub></b>	Dedicated formula to intensive productions without any organic matter input

### BENEFITS:

- Root growing
- Stimulation of mycorrhization
- Improvement of nutrient uptake
- Higher resistance to drought
- Higher yield



# Primeo S12

## NUTRITION STIMULATOR

**Primeo S12** stimulates the soil enzymatic activities involved in the mineralization processes and thus enhances the bioavailability of nutrients from the soil or the fertilizers. Primeo S12 improves crop nutrition and contributes to the success of less fertiliser-intensive technical programmes.

### TECHNOLOGY:



**MIP® RHIZO:** Specific minerals and trace elements to stimulate mineralization process of soil organic matter and improve the bioavailability of nutrients.



### BENEFITS:

- Enhanced bioavailability of nitrogen and phosphorus
- Improvement of plant nutrition particularly in limiting conditions
- Higher efficiency of fertilization programmes

# Cormin / Corgan

## STIMULATING INGREDIENTS FOR FERTILIZERS

Highly concentrated in MIP® RHIZO technology, **Cormin** and **Corgan** are specific formula to be mixed with fertilizers to improve their efficiency. The pelleted form of Cormin is perfect for blending with mineral fertilizers, while the semolina Corgan is dedicated to be part of organic fertilizers.

### TECHNOLOGY:



**MIP® RHIZO:** Specific minerals and trace elements to stimulate mineralization process of soil organic matter and improve the bioavailability of nutrients.

### BENEFITS:

- Enhanced bioavailability of nutrients from soil and fertilizers
- Improvement of plant nutrition particularly in limiting conditions
- Higher efficiency of fertilizers



Action by the roots









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