

# Product catalogue

2023

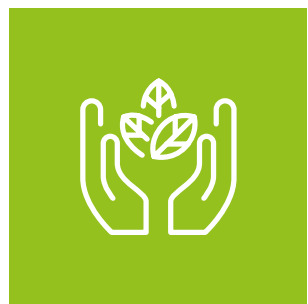


# CROP SOLUTIONS

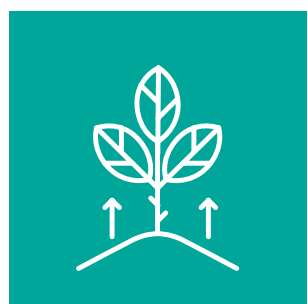




# Content



**LOW RISK CROP  
PROTECTION**



**BIOSTIMULANTS**



**FOLIAR FERTILISERS**



**SPECIALISED  
ADJUVANTS**



**SPECIAL PURPOSE  
PRODUCTS**

# Low risk crop protection

*Siltac EC®*

*Siltac PY*

*Last Bite®*

*Drosinal®*

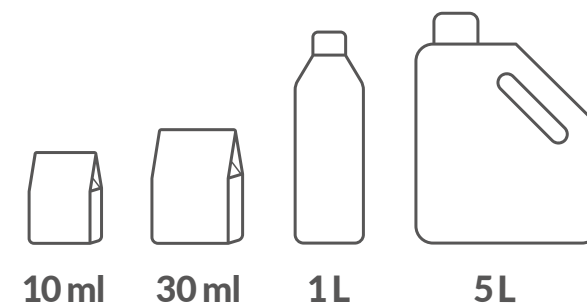


LOW RISK CROP PROTECTION









# Siltac<sup>®</sup> EC

PACKAGING:



## CROP PEST CONTROL WITHOUT PESTICIDES

-  Immobilisation of pests
-  Immediate action – knock-down effect
-  Control of a wide range of pests
-  No pesticide residues
-  No pest resistance development
-  Low impact on beneficial fauna

## Product description

Siltac EC is a **breakthrough product** containing silicone polymers, designed to control plant sucking pests. The product acts physically. When applied to plants, silicone polymers form a unique three-dimensional structure on a pest's body surface. It is the effect of the polymer crosslinking process typical for 3D-IPNS™ Technology. This structure causes immediate immobilisation of pests, cessation of feeding and their rapid elimination. Such entrapment based action immobilises the pests very quickly, resulting in a knock-down effect.

Thanks to a physical mode of action of the product, the treated pests are unlikely to develop resistance. Siltac EC does not contain any active ingredients – no concern of pesticide residues in crops.

Siltac EC is compatible with insecticides/miticides. When using such mixtures, two mechanisms of action on pests are combined in one treatment: physical and biochemical. Siltac EC increases the exposure of pests to insecticides/miticides and significantly reduces the development of pest resistance.

**Eliminated pests:** aphids, whiteflies, psyllids, thrips, scale larvae, mites, mealybugs, rust mites.

## Novel Technology:



PRODUCT BASED ON INNOVATIVE **3D-IPNS™**  
(**THREE-DIMENSIONAL – IMMOBILISING POLYMERIC  
NET STRUCTURE**) TECHNOLOGY THAT ENSURES HIGH  
EFFECTIVENESS AND IMMEDIATE ACTION.

## Composition

Siltac EC contains a mixture of silicone polymers, siloxanes and co-formulants.



FRUIT  
TREES



BERRIES



VEGETABLES



ORNAMENTAL  
PLANTS



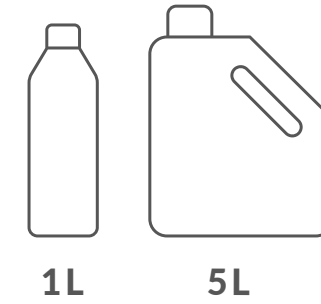
ARABLE  
CROPS



LOW RISK CROP PROTECTION

# Siltac PY

PACKAGING:



## LOW RISK INSECTICIDE WITH PYRETHRINS

- *Double action – chemical and physical effect on pests*
- *High efficacy*
- *Control of a wide range of pests*
- *Immediate action – knock-down effect*
- *Low resistance pressure in pest populations*

## Product description

Siltac PY is a low risk insecticide with pyrethrins for effective control of many pests.

It is a product with a **double action**, as it acts:

- **chemically** – pyrethrins target the insect's nervous system,
- **physically** – silicone polymers create a unique structure on the surface of the pests' body and trap them.

This three-dimensional structure causes immediate immobilisation of pests and cessation of feeding. This is possible thanks to the unique 3D-IPNS™ Technology. Moreover, 3D-IPNS™ Technology enhances exposure of target insects to insecticide.

Siltac PY eliminates pests very quickly, resulting in a knock-down effect.

**Eliminated pests:** aphids, whiteflies, psyllids, thrips, scale larvae, mites, mealybugs, rust mites.

## Novel Technology:



PRODUCT BASED ON INNOVATIVE **3D-IPNS™**  
(**THREE-DIMENSIONAL – IMMOBILISING POLYMERIC  
NET STRUCTURE**) TECHNOLOGY THAT ENSURES HIGH  
EFFECTIVENESS AND IMMEDIATE ACTION.

## Composition

Siltac PY contains pyrethrins and a mixture of silicone polymers, siloxanes and co-formulants.



FRUIT  
TREES



BERRIES



VEGETABLES



ORNAMENTAL  
PLANTS



ARABLE  
CROPS



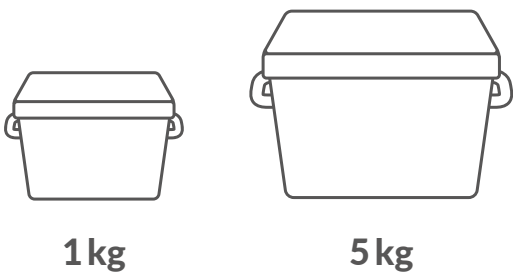


LOW RISK CROP PROTECTION








# Last Bite

PACKAGING:



## SLUG AND SNAIL CONTROL WITHOUT METALDEHYDE

-  Elimination of a wide range of slug and snail species
-  Low risk, metaldehyde alternative, based on elemental iron
-  Environmentally friendly – breaks down into natural plant nutrient
-  High palatability – effectively distracts slugs and snails from the plants
-  Low risk to people, pets, dogs, cats, birds and other fauna



## Product description

Last Bite is a highly effective product for control of slugs and snails, based on elemental iron and food grade attractants of natural origin. It is "ready to use" pelletised bait. The product is very attractive to slugs and snails. Once molluscs consume the pellets, they stop feeding immediately, crawl away and die hidden. Thanks to that, there are no visible dead slugs and snails around protected plants. Last Bite can be used around seedlings, potted plants, vegetables, crop plants, perennials and other plants affected by snails or slugs.



Effectively eliminates slugs and snails without metaldehyde.

## Composition

Last Bite contains elemental iron and food grade attractants of natural origin.



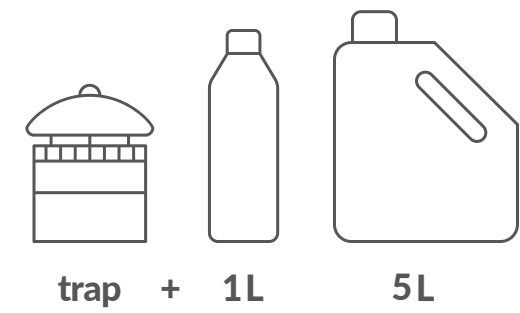


LOW RISK CROP PROTECTION



# Drosinal®

PACKAGING:



trap + 1L 5L



## SPOTTED WING DROSOPHILA MONITORING

- Very high attractiveness to *Drosophila suzukii*
- Partial selectivity – does not catch large insects
- Sturdy trap construction for long term use
- It does not contain pesticides and pheromones

## Product description

Drosinal is designed to monitor the flight of the spotted wing drosophila (SWD). It is used at plantations of soft fruits, where the pest poses a very high threat.

Drosinal can be offered as a kit consisting of a trap and a liquid attractant. The shape and colours of the trap enhance its effectiveness to attract *Drosophila suzukii*. The mesh in entry holes ensures partial selectivity of the trap – insects larger than *Drosophila* are not caught.

The luring liquid is a combination of various food ingredients that are very attractive to SWD. It does not contain either pesticides or pheromones. A characteristic feature of the liquid is its very low surface tension. Thanks to that, once insects touch the liquid they drown immediately, being unable to fly away. The trap has a very solid structure. It will last for several seasons.

Drosinal may also be used to mass trapping of SWD.



*Drosophila suzukii* is a serious threat of many soft-skinned fruits.



Soft fruits e.g. cherries are frequently attacked by *Drosophila suzukii*.

## Composition

Drosinal contains combination of various food ingredients.



FRUIT TREES



BERRIES



# Biostimulants

*Megis®*

*Siltan®*

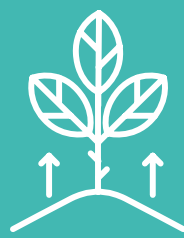
*Triavit®*

*TriaGreen*

*Alatis®*

*Phenoliq®*










Megis®

PACKAGING:



PLANT STRESS REDUCER  
& CROP QUALITY ENHANCER

-  Improves crop resistance to drought, high temperature and sunburns
-  Enhances plant resistance to sucking pests, fungal and bacterial diseases
-  Improves fruit firmness and reduces fruit cracking
-  Reduces the frequency of plants physiological disorders
-  Provides easy absorption and deep penetration of silicon into plant tissue

Product description

Megis is a plant growth stimulant containing highly bioavailable silicon (Si), micronutrients (Zn, Cu, Mo, B) and specially selected organic acids. The product provides multidimensional effect on plants.

The product increases the plant's resistance to abiotic stresses such as drought, high temperature and sunburns. Moreover, Megis is an **effective tool in integrated crop protection**. The product enhances the plant's ability to resist diseases and sucking pests. It works by improving the mechanical resistance of plant tissues and increasing the content of phytoalexins – the natural defence substances of plants. Megis reduces the number of eggs laid in fruits by the spotted wing drosophila and limits the population of sucking pests. It reduces the development of fungal and bacterial diseases.

Megis effectively reduces the occurrence of many physiological disorders of plants, including necrotic leaf blotch of apple. Megis ensures **better quality and yield of crops**. The product improves fruit firmness, reduces fruit cracking and increases strength of fruit skin. In addition, Megis boosts the dietary value of fruits and vegetables by increasing the polyphenol content.

Novel Technology:



PRODUCT BASED ON ADVANCED **FAST ABSORBING SILICIUM TECHNOLOGY**, WHICH IS A CONCEPT OF ICB PHARMA. THIS TECHNOLOGY FACILITATES THE ABSORPTION AND DEEP PENETRATION OF SILICON INTO PLANT TISSUE. THIS HELPS TO MAXIMISE THE SILICON UTILISATION AND ENSURES ITS HIGHLY BENEFICIAL EFFECTS ON PLANTS.

Composition

Megis contains silicon (Si) – 8.7 g/L (29 g/L orthosilicic acid), zinc (Zn) – 7 g/L, copper (Cu) – 11.6 g/L, molybdenum (Mo) – 2.3 g/L and boron (B) – 3.5 g/L.



FRUIT  
TREES



BERRIES



VEGETABLES



ORNAMENTAL  
PLANTS



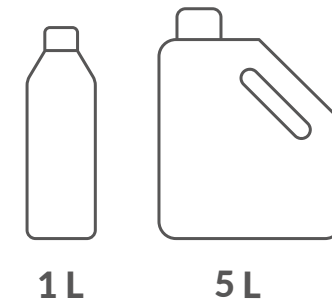
MAIZE





# Siltan®

PACKAGING:

FRUIT  
TREES






BERRIES



VEGETABLES

ORNAMENTAL  
PLANTS

## PLANT GROWTH STIMULANT WITH EASILY ABSORBABLE TITANIUM

-  Enhances plant growth and improves yield
-  Increases crop quality, e.g. fruit weight and firmness
-  Improves the absorption of nutrients and water
-  Enhances chlorophyll content and photosynthesis process
-  Increases the plant resistance to abiotic stresses

## Product description

Siltan is a plant growth stimulant containing optimal dosage of easily absorbable titanium and special spreading agents (silicone polymers) that ensure its efficient distribution and effective absorption by plants. The product has a proven effect on better growth and yield, increases the weight and firmness of the fruit and reduces cracking.

Moreover, Siltan has a positive effect on the photosynthesis process and biomass production.

The spray solution spreads evenly on the leaf surface ensuring perfect coverage and sticker effect. In addition, silicone polymers form three-dimensional structure on the pests body that are present on plants. This structure causes immediate immobilisation of pests and cessation of feeding.

All ingredients of Siltan are well known for safety and are not likely to pose any risk to humans.

**Titanium** – after application is transformed into a form which is classified as a food additive.

**Spreading agents** – the product contains silicone polymers that have been thoroughly tested for safety use in food and exempted from requirements of U.S. Maximum Residue Limits (MRL) and therefore may be applied to crops at any time up to and including the day of harvest (zero-day PHI).



## Composition

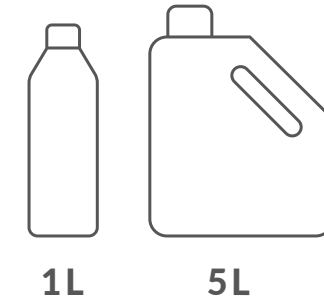
Siltan contains organic form of titanium (Ti) – 0.2% and spreading agents (silicone polymers).





# Triavit®

PACKAGING:



FRUIT  
TREES



BERRIES



VEGETABLES



ORNAMENTAL  
PLANTS



## TEMPERATURE STRESS REDUCER & PHOTOSYNTHESIS BOOSTER CONTAINING TRIACONTANOL

- Increases plant resistance to abiotic stresses, especially to chilling and freezing stress
- Increases the content of chlorophyll and the rate of photosynthesis
- Helps to prevent flower and fruitlet drop, substantially improves fruit setting
- Stimulates shoot and root growth
- Increases fruit mass and crop yield

## Product description

Triavit is a plant growth stimulant containing triacontanol (TRIA) – natural plant growth regulator found in epicuticular waxes. Carefully selected components, including potent natural antioxidants, enhance the beneficial effects of triacontanol.

The product is particularly effective as:

- Stress symptoms reducer** – Triavit reduces the negative effects of many abiotic stresses. Increases plant resistance to low and high temperature, water deficit and salinity.
- Photosynthesis enhancer** – Triavit increases the content of chlorophyll and intensifies the photosynthesis process. It is especially valuable in the case of light deficiency.
- Plant growth stimulant** – Triavit stimulates growth, particularly in spring, during flowering and fruit growth. It increases the quality and number of flower buds, reduces flower and fruit drop.

All of these factors contribute to strong growth-stimulating effect and enhanced crop quality.



*Increase of plant resistance to light deficiency.*



*Increase of plant resistance to low temperature stress.*

## Composition

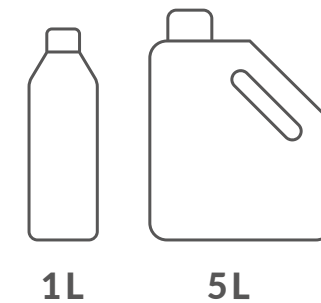
Triavit contains triacontanol and additional substances including antioxidants.





# TriaGreen







PACKAGING:



Available soon



## STRONG PHOTOSYNTHESIS ENHANCER CONTAINING TRIACONTANOL

-  No Crystals Technology allows rapid and efficient triacontanol and micronutrients absorption
-  Intensification of the photosynthesis process
-  Reduction of symptoms caused by light stress
-  Improvement of green leaf colour
-  Visible improvement in turfs and lawns quality
-  Reduction of magnesium, iron and manganese deficiency symptoms

## Product description

TriaGreen is an advanced foliar fertiliser / plant growth stimulant. It is a highly efficient photosynthesis enhancer and abiotic stress reducer.

The product contains three microelements important for the photosynthesis process – magnesium, iron, manganese, all supported by triacontanol. The product promotes plant growth, especially during the period of light stress and micronutrient deficiency. It boosts the photosynthetic process, increases the chlorophyll content and contributes to the proper development of chloroplasts.

Increased photosynthetic efficiency leads to enhanced resistance to stress factors and better crop growth. After application of TriaGreen, plants are healthier, greener and more vigorous.

## Novel Technology:

THE **NO CRYSTALS TECHNOLOGY**, USED IN TRIAGREEN ALLOWS EVEN DISTRIBUTION OF THE PRODUCT ON THE PLANT'S SURFACE AND HELPS IN ITS RAPID AND EFFICIENT ABSORPTION. THIS NOT ONLY INCREASES THE EFFECTIVENESS OF THE PRODUCT, BUT ALSO MAKES IT SAFER FOR THE PLANTS BY PREVENTING PRODUCT CRYSTALLISATION ON THE PLANT SURFACE.

## Composition

TriaGreen contains magnesium (Mg) – 1.3%, iron (Fe) – 0.17%, manganese (Mn) – 0.08%, and triacontanol.



FRUIT  
TREES



BERRIES



VEGETABLES



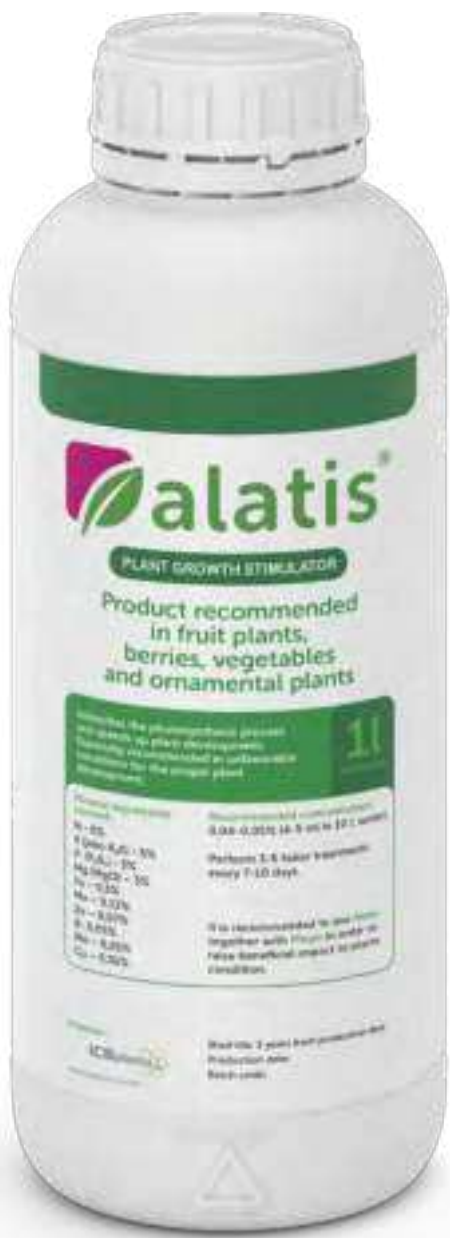
ORNAMENTAL  
PLANTS





Alatis®

PACKAGING:



POWERFUL STIMULANT  
CONTAINING 5-AMINOLEVULINIC ACID (5-ALA)

- Stimulates chlorophyll biosynthesis
- Improves photosynthesis
- Ensures better plant growth in conditions of light deficiency
- Extends the harvest period of plants growing under cover
- Increases content of vitamin C

Product description

Alatis is a plant growth stimulant used to promote photosynthesis, especially in conditions of light deficiency. It contains macro- and micronutrients and photosynthesis promoters, including 5-aminolevulinic acid (chlorophyll precursor).

Alatis effectively stimulates chlorophyll biosynthesis, improves photosynthesis and ensures the green colour of leaves. Moreover, the product increases plant resistance to a number of abiotic stress factors.

The use of Alatis results in better uptake of mineral nutrients, especially under intensive fertilisation conditions. The production of dry matter and sugar in plants increases and the harvest period is extended. It also significantly increases the blush intensity of apples.



Better fruit colouration.



Better plant growth under light deficiency.

Composition

Alatis contains 5-aminolevulinic acid (5-ALA) – 0.2% , nitrogen (N) – 4.6%, potassium (K as K<sub>2</sub>O) – 1.2%, phosphorus (P as P<sub>2</sub>O<sub>5</sub>) – 10.5%, magnesium (Mg as MgO) – 2.9%, manganese (Mn) – 0.11%, zinc (Zn) – 0.06%, boron (B) – 0.045%, copper (Cu) – 0.009%.



FRUIT  
TREES



BERRIES

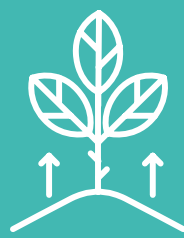


VEGETABLES



ORNAMENTAL  
PLANTS










# Phenoliq

PACKAGING:



## PLANT REGENERATION ENHANCER

-  Stimulates plant regenerative processes, e.g. after frost, hail, phytotoxicity damage
-  Strengthens plant resistance to unfavourable growth conditions, e.g. drought or chilling
-  Reduces the risk of damage caused by pesticides or fertilisers
-  Ionic Liquid Technology ensures fast and efficient nitrophenolates absorption
-  Reduces boron and molybdenum deficiency symptoms

## Product description

Phenoliq is a plant growth stimulant containing nitrophenolates and micronutrients in the innovative Ionic Liquid Technology. Thanks to this technology, the level of nitrophenolates absorption and their bioavailability is exceptionally high.

**Novel formulation: nitrophenolates** are organic compounds, that naturally occur in plants, strongly influencing their life processes; **boron and molybdenum** impact on plant development processes.

The product increases plant resistance to unfavourable growth conditions, such as drought, chilling, soil salinity. It stimulates plant regeneration processes after the occurrence of stress factors, e.g. frost, phytotoxic damage resulting from the use of fertilisers or pesticides.

Phenoliq increases the activity of antioxidant enzymes, which contribute to the reduction of aging and cell breakdown caused by oxidative stress. The product intensifies plant's vital processes such as growth and biomass accumulation. It also ensures better fruit set, higher yield and quality, e.g. higher sugar content in sugar beets.

## Novel Technology:



PRODUCT BASED ON UNIQUE **IONIC LIQUID TECHNOLOGY**, WHICH ALLOWS THE PRODUCT TO REMAIN IN A LIQUID FORM AFTER SPRAYING. NO CRYSTALLISATION IS OBSERVED. THANKS TO THIS TECHNOLOGY, THE UPTAKE OF NITROPHENOLATES IS FASTER, MORE EFFICIENT AND SAFER FOR PLANTS, IN COMPARISON TO CONVENTIONAL PRODUCTS.

## Composition

Phenoliq contains nitrophenolates in ionic liquid form: para-nitrophenol – 3 g/L, ortho-nitrophenol – 2 g/L, 2-methoxy-5-nitrophenol – 1 g/L; micronutrients: boron (B) – 2 g/L, molybdenum (Mo) – 0.1 g/L.



FRUIT TREES



BERRIES



VEGETABLES



ORNAMENTAL PLANTS



ARABLE CROPS





# Foliar fertiliser

*Miligard®*

*Sulprone®*

*Neocal*

*Calcet*

*Canion Ca®*

*Ionic Zn®*

*TriaFer*

*TriaBor*

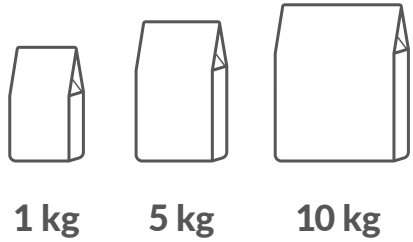
*TriaZinc*

*TriaZnB*








# Miligard®

PACKAGING:



PLANT CONDITION & HEALTH ENHANCER

-  *Strengthens plants – making them more resistant to various stresses*
-  *Promotes healthy, green foliage*
-  *Provides an effective source of phosphorus and potassium for plants*
-  *Increases vigour and resistance to unfavourable conditions for plant growth*
-  *Enhances yield and quality*

## Product description

Miligard is a foliar fertiliser that effectively strengthens plants and supports their health. The product is a breakthrough in the field of plant fertilisation. The unique formulation delivers phosphorus (P) and potassium (K) to the plant and forms a thin film on a leaf surface. This significantly improves and prolongs the bioavailability of nutrients.

Thanks to its unique and specific composition, Miligard helps plants to become stronger and healthier, which increases their resistance to unfavourable growing conditions. The product boosts plant resistance to various types of stress and improves crop quality and yield.

Miligard can be used both to improve crop quality and to support conventional chemical disease control. In many cases, it allows to decrease the use of chemical plant protection products. That reduces the risk of pesticide residues in fruits and vegetables.



Healthy, green foliage.



Increase of plant resistance to unfavourable conditions for plant growth.

## Composition

Miligard contains phosphorus (P as  $P_2O_5$ ) – 21%, potassium (K as  $K_2O$ ) – 44% and film forming agents. The product does not contain phosphites and acid carbonates (bicarbonates).



FRUIT TREES



BERRIES



VEGETABLES



ORNAMENTAL PLANTS



ARABLE CROPS

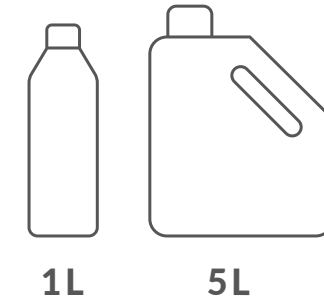









FOLIAR FERTILISER

# Sulprone®

PACKAGING:



## SULPHUR FERTILISER WITH ADDITIONAL BENEFITS

-  Support in integrated plant protection against fungal diseases
-  Optimal plant fertilisation with macronutrients: potassium (K), phosphorus (P) and sulphur (S)
-  High effectiveness of sulphur at lower doses
-  Improved nitrogen metabolism
-  Enhanced yield and harvest quality

## Product description

Sulprone is a foliar fertiliser that improves the health of plants and yield. It combines the antifungal action of sulphur and effective strengthening of plants thanks to the efficient fertilisation with potassium (K) and phosphorus (P).

Sulprone enhances plant resistance to unfavourable growth conditions, strengthens their vigour and improves the yield. Sulphur (S), molybdenum (Mo) and zinc (Zn) play a key role in improving plants' metabolism and utilisation of nitrogen.

Compared to regular sulphur products, Sulprone provides similar or better effects despite lower doses of sulphur (S).

Sulprone is an essential tool for fungal disease control in Integrated Crop Management. Incorporated into a protection strategy, it allows to reduce the use of fungicide doses.



Visibly healthier plants.



Better quality fruit.

## Composition

Sulprone contains phosphorus (P as  $P_2O_5$ ) – 6%, potassium (K as  $K_2O$ ) – 12.5%, sulphur (S) – 25%, molybdenum (Mo) – 0.008%, zinc (Zn) – 0.08%.



FRUIT  
TREES



BERRIES



VEGETABLES



SUGAR  
BEET



CEREALS



WINTER  
RAPE





FOLIAR FERTILISER



# Neocal



PACKAGING:






1L

5L

Available soon



## NITROGEN-FREE CALCIUM FERTILISER WITH MICRONUTRIENTS

-  Unique Lipophilic Calcium Carbonate Technology
-  High affinity for waxy cuticle of fruits
-  Effective Ca penetration through the cuticle into the fruit
-  Prevention of calcium deficiency disorders
-  Sunburns reduction

## Product description

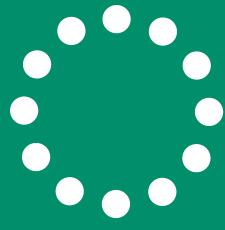
Neocal, a novel liquid foliar fertiliser is a highly efficient source of calcium, enriched with the micronutrients: boron (B), molybdenum (Mo) and manganese (Mn).

Lipophilic Calcium Carbonate Technology provides perfect coverage on fruit surface and high affinity for fruit cuticle. This way, calcium penetrates easily through cuticle and is delivered directly to fruit where it is in high demand. The combination of micronutrients essential for proper plant growth and development improves plant health, especially under adverse growth conditions.

Neocal prevents the occurrence of physiological disorders, e.g. blossom-end rot of tomato and pepper, and bitter pit on apples. It improves the firmness and fruit storage ability. Neocal, in higher dosages, can be also used as a sprayable sunburn protectant to reduce sunburn symptoms.

## Novel Technology:

Lipophilic  
Calcium  
Carbonate  
Technology



PRODUCT BASED ON **LIPOPHILIC CALCIUM CARBONATE TECHNOLOGY** THAT PROVIDES PERFECT COVERAGE ON FRUIT SURFACE AND HIGH AFFINITY FOR FRUIT CUTICLE.

## Composition

Neocal contains calcium carbonate (Ca) – 35.5% (CaO – 50%) and micronutrients: boron (B) – 0.1%, molybdenum (Mo) – 0.002%, and manganese (Mn) – 0.03%.



FRUIT  
TREES



BERRIES

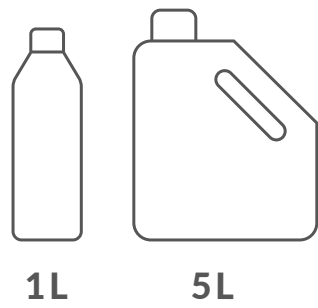


VEGETABLES





# Calcet



PACKAGING:





1L

5L

Available soon



## NITROGEN-FREE CALCIUM FERTILISER

-  *Readily available calcium in unique No Crystal Technology*
-  *Great spreadability on crops and immediate uptake*
-  *Suitable for treatments during the entire growing season*
-  *Safer to plants over other fertilisers with calcium salts*

## Product description

Calcet is a nitrogen-free liquid fertiliser containing calcium acetate for foliar applications to reduce calcium-related disorders in all vegetable and fruit crops.

Calcet provides faster and safer uptake of calcium by plants. After sprayings with conventional fertilisers there is a risk of microcrystals forming on the plants. That process poses a risk of phytotoxicity and affects the uptake of nutrients. No Crystal Technology, used in Calcet, effectively prevents such side effects.

Calcet increases marketable yield reducing the occurrence of physiological disorders such as blossom-end rot of tomato and pepper, and bitter pit on apples. It improves fruit firmness and reduces fruit cracking.

Calcet is a nitrogen-free fertiliser and can be applied in pre-harvest period.

## Novel Technology:

**NO CRYSTAL TECHNOLOGY** IS A CONCEPT OF ICB PHARMA, PROVIDES UNIFORM DISTRIBUTION OVER THE LEAF AND FRUIT AND ACTS RAPIDLY ON THESE PARTS OF THE PLANT. PREVENTS FORMING OF CRYSTALLISED COATINGS ON PLANTS WHAT GUARANTEES SAFE AND SMOOTH CALCIUM UPTAKE. SIGNIFICANTLY INCREASES THE EFFECTIVENESS OF CALCIUM FERTILISATION.

## Composition

Calcet contains calcium acetate (Ca) – 7% (CaO 9.5%), crystallisation inhibitors and efficacy boosters.



FRUIT  
TREES



BERRIES



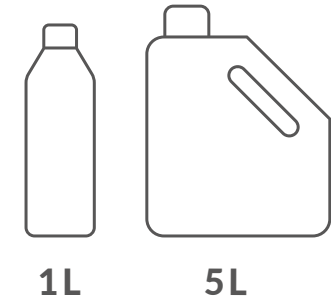
VEGETABLES









# Canion® Ca

PACKAGING:



## EFFECTIVE CALCIUM FERTILISER

-  *Ionic Liquid Technology ensures fast and effective calcium absorption*
-  *No crystallisation provides safer spraying*
-  *Improves fruit firmness and reduces fruit cracking*
-  *Reduces the occurrence of physiological diseases resulting from calcium deficiency*

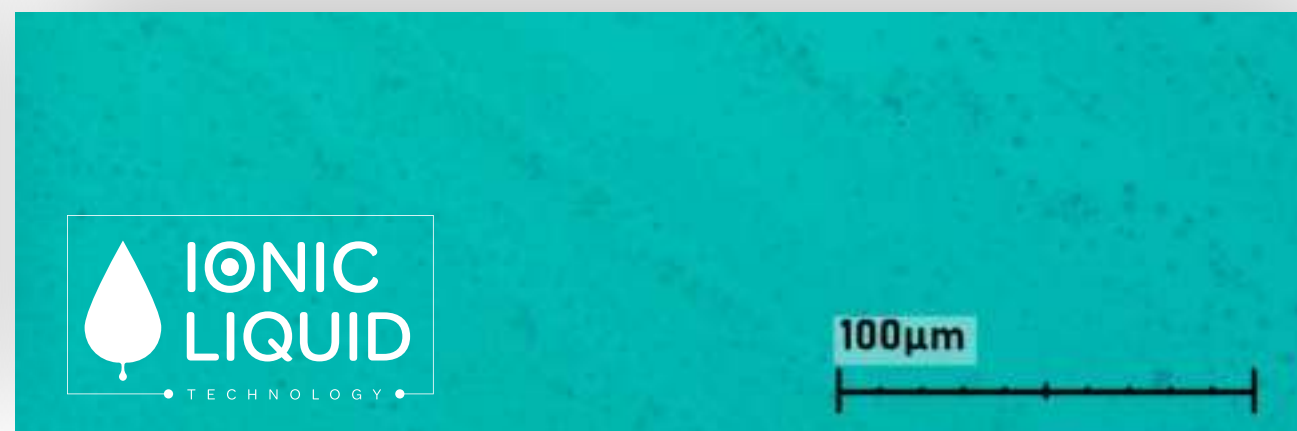
## Product description

Canion Ca is a foliar fertiliser containing calcium, based on Ionic Liquid Technology. This formulation allows the fertiliser to remain in a liquid form after spraying. No crystallisation of product is observed. Canion Ca delivers calcium to plants quickly and effectively. Easy-to-use formulation helps to reduce fruit cracking, improves the firmness and fruit storage ability.

Low calcium content in plants causes various physiological disorders. Some of them might only be revealed during storage. Apples with insufficient calcium content are smaller and prone to bitter pit, cracking, corking of the flesh and sunburns. Tomatoes and red peppers suffer from blossom-end rot. Canion Ca helps to overcome these disorders.



Deposit of calcium nitrate pure:  
CRYSTALLISATION PROCESS.



Deposit of calcium nitrate transformed into organic salts (ioniq liquid), Canion Ca: NO CRYSTALS, THIN, UNIFORM FILM.

## Novel Technology:



PRODUCT BASED ON UNIQUE **IONIC LIQUID TECHNOLOGY**, WHICH IS A CONCEPT OF ICB PHARMA. THE FERTILISER REMAINS IN A LIQUID FORM AFTER SPRAYING AND THUS THE UPTAKE OF CALCIUM IS FASTER, MORE EFFICIENT AND SAFER FOR PLANTS, IN COMPARISON TO CONVENTIONAL FERTILISER.

## Composition

Canion Ca contains calcium (Ca) – 11% (15.2% CaO) and nitrogen (N) – 9%.



FRUIT  
TREES



BERRIES



VEGETABLES





# Ionic Zn

PACKAGING:







1L

5L



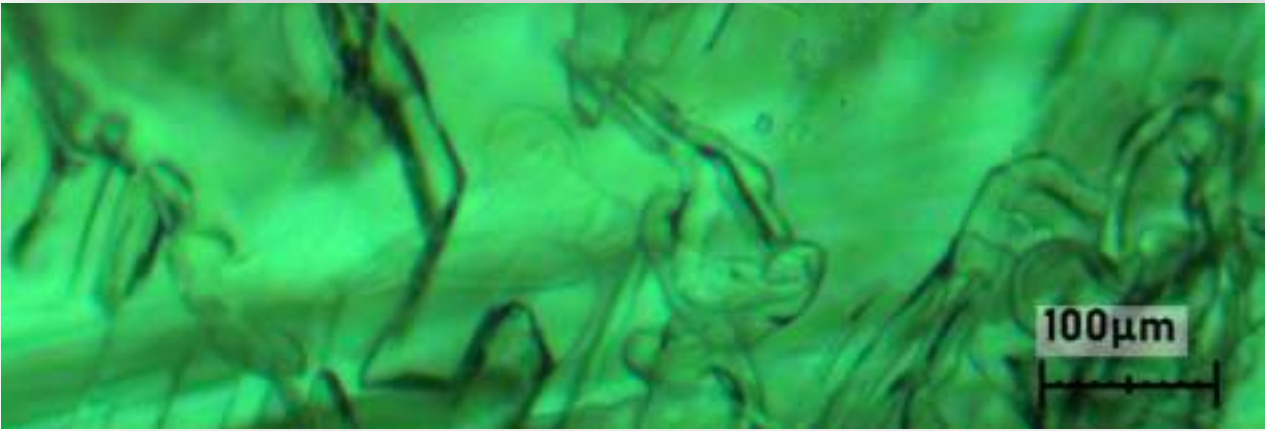
## IMMEDIATE ZINC FERTILISER

-  *Ionic Liquid Technology ensures exceptionally fast and effective zinc absorption*
-  *No crystallisation provides safer spraying*
-  *Reduces zinc deficiency symptoms*
-  *Proven better efficiency compared to conventional zinc fertilisers*

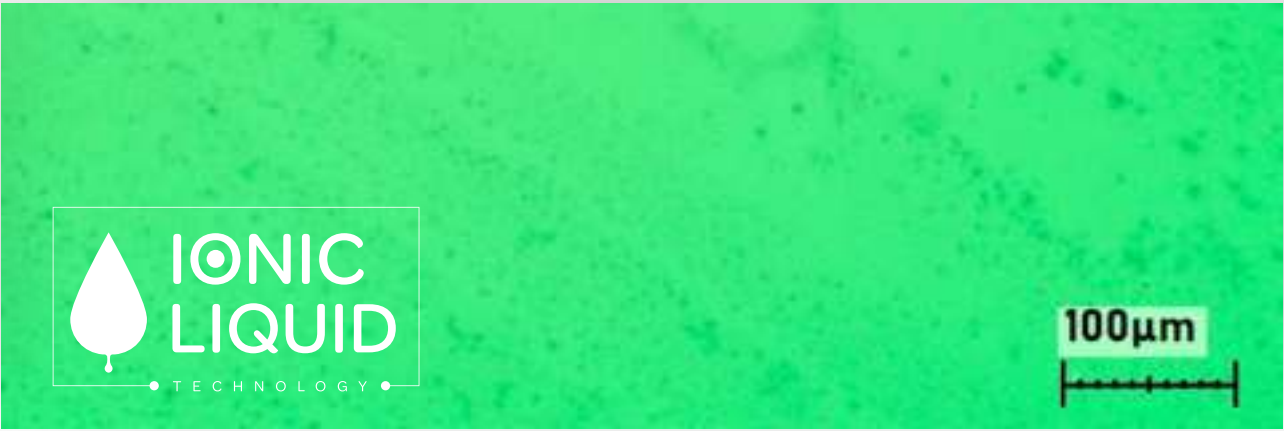
## Product description

Ionic Zn is a liquid foliar fertiliser based on Ionic Liquid Technology. It is a new solution in delivering zinc to plants. This technology allows the fertiliser to remain in a liquid form after spraying and no crystallisation on the sprayed surface is observed. Thanks to this, zinc uptake by the leaves is fast and more effective in comparison to conventional zinc fertiliser formulations.

Foliar feeding with zinc improves plant growth, influences the hormonal and enzymatic balance and has a positive effect on the overall condition of plants and yield. Zinc fertilisation increases plants resistance to unfavourable growth conditions (e.g. drought, chilling and freezing stress) and improves winter hardiness of fruit trees. Moreover, it regulates phosphorus and nitrogen metabolism.



Deposit of zinc chloride pure:  
CRYSTALLISATION PROCESS.



Deposit of zinc chloride transformed into organic salts (ioniq liquid), Ionic Zn: NO CRYSTALS, THIN, UNIFORM FILM.

## Novel Technology:



PRODUCT BASED ON UNIQUE **IONIC LIQUID TECHNOLOGY**, WHICH IS A CONCEPT OF ICB PHARMA. THE FERTILISER REMAINS IN A LIQUID FORM AFTER SPRAYING AND THUS THE UPTAKE OF ZINC IS FASTER, MORE EFFICIENT AND SAFER FOR PLANTS, IN COMPARISON TO CONVENTIONAL FERTILISER.

## Composition

Ionic Zn contains zinc (Zn) – 16% in water-soluble form.



FRUIT TREES



BERRIES



VEGETABLES



ARABLE CROPS











# TriaFer

PACKAGING:



## IRON FOLIAR FERTILISER CONTAINING TRIACONTANOL

-  No Crystals Technology allows rapid and efficient product absorption
-  Highly available form of iron (iron glicinate)
-  Prevention of chlorosis symptoms caused by iron deficiency
-  Improvement of chlorophyll biosynthesis & intensification of photosynthesis
-  Faster recovery of plant balance after iron deficiency
-  Increase of plant resistance to abiotic stresses

## Product description

TriaFer is a foliar fertiliser / plant growth stimulant containing a combination of organic iron (in the form of iron glycinate), triacontanol and nitrogen. The composition of TriaFer guarantees faster and more effective action on plants, than traditional iron-supplying fertilisers. The product helps plants overcome chlorosis and photosynthetic disorders caused by nutrient deficiencies and abiotic stresses. TriaFer can act as a preventive measure and also when plants show symptoms of iron deficiency (chlorosis), in order to restore the vitality and colour to plants.

The product provides iron in chelate form (iron glycinate), which helps the plant to absorb it more easily. Glycine is an amino acid that is needed by plants, especially under stress conditions. Like iron, it plays an important role in nitrogen transport in plant tissues and increases the activity of photosynthesis.

Triacontanol, contained in the product, has a positive effect on many metabolic processes in plants. It helps increase chlorophyll content, intensifies photosynthesis and is a plant growth promoter. Moreover, it assists plants in combating damage and metabolites resulting from abiotic stresses.

## Novel Technology:

THE **NO CRYSTALS TECHNOLOGY**, USED IN TRIAFER ALLOWS EVEN DISTRIBUTION OF THE PRODUCT ON THE PLANT'S SURFACE AND HELPS IN ITS RAPID AND EFFICIENT ABSORPTION. THIS NOT ONLY INCREASES THE EFFECTIVENESS OF THE PRODUCT, BUT ALSO MAKES IT SAFER FOR THE PLANTS BY PREVENTING PRODUCT CRYSTALLISATION ON THE PLANT SURFACE.

## Composition

TriaFer contains iron (Fe) – 22 g/L (iron glycinate), nitrogen (N) – 125 g/L (in the amid form) and triacontanol.



FRUIT TREES



BERRIES



VEGETABLES



ORNAMENTAL PLANTS



ARABLE CROPS



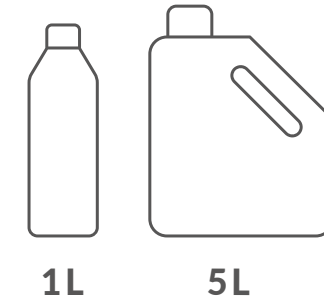


FOLIAR FERTILISER

# TriaBor









PACKAGING:



Available soon

## BORON FOLIAR FERTILISER WITH TRIACONTANOL

-  No Crystals Technology allows rapid and efficient product absorption
-  Promotion of proper flower formation
-  Improvement in pollen production
-  Increase in fruit quantity and quality
-  Better plant resistance to abiotic stresses (e.g. low temperature)
-  Reduction of water stress symptoms in plants

## Product description

TriaBor is a foliar fertiliser / plant growth stimulant containing a novel combination of boron with triacontanol. The product is designed to support the development of plants, especially during their flowering and fruiting periods. It combines two elements – boron and triacontanol – that have a positive effect on flower formation, pollen production and fruit setting.

Boron is an essential element for plant reproductive processes. It also has a positive effect on the water balance of plants, which is important during periods of drought. Triacontanol is very strong plant growth stimulant and anti-stress agent, naturally occurring in plants. Triacontanol supports the process of photosynthesis and healthy development of all parts of the plant, increases plant resistance to abiotic stresses, especially to the negative impact of temperatures unfavourable for plant growth.

## Novel Technology:

THE **NO CRYSTALS TECHNOLOGY**, USED IN TRIABOR ALLOWS EVEN DISTRIBUTION OF THE PRODUCT ON THE PLANT'S SURFACE AND HELPS IN ITS RAPID AND EFFICIENT ABSORPTION. THIS NOT ONLY INCREASES THE EFFECTIVENESS OF THE PRODUCT, BUT ALSO MAKES IT SAFER FOR THE PLANTS BY PREVENTING PRODUCT CRYSTALLISATION ON THE PLANT SURFACE.

## Composition

TriaBor contains boron (B) – 70 g/L, nitrogen (109 g/L) and triacontanol.



FRUIT  
TREES



BERRIES



VEGETABLES



ORNAMENTAL  
PLANTS



ARABLE  
CROPS





# TriaZinc



PACKAGING:







1L

5L

Available soon



## ZINC FOLIAR FERTILISER CONTAINING MOLYBDENUM AND TRIACONTANOL

-  No Crystals Technology allows rapid and efficient product absorption
-  Promotion of healthy plant growth
-  Mitigation of abiotic stress effects (e.g. cold weather)
-  Increase of the plant resistance to diseases
-  Intensification of the photosynthesis process
-  Boost of flower and seed formation

## Product description

TriaZinc is an advanced foliar fertiliser / plant growth stimulant containing a unique combination of zinc, molybdenum and triacontanol. It is especially recommended for crops that require foliar zinc fertilisation, e.g.: maize, potato, rice, sorghum and others.

TriaZinc has a strong anti-stress effect, thanks to the combined delivery of zinc and triacontanol. This unique combination increases the resistance of plants to unfavourable conditions, e.g. low temperature, especially before flowering in early spring. Moreover, molybdenum is an important component of many key plant enzymes and hormones, including those that mitigate the effects of abiotic stresses. TriaZinc effectively supplies plants with microelements, increases the rate of photosynthesis and supports healthy plant growth.

## Novel Technology:

THE **NO CRYSTALS TECHNOLOGY**, USED IN TRIAZINC ALLOWS EVEN DISTRIBUTION OF THE PRODUCT ON THE PLANT'S SURFACE AND HELPS IN ITS RAPID AND EFFICIENT ABSORPTION. THIS NOT ONLY INCREASES THE EFFECTIVENESS OF THE PRODUCT, BUT ALSO MAKES IT SAFER FOR THE PLANTS BY PREVENTING PRODUCT CRYSTALLISATION ON THE PLANT SURFACE.

## Composition

TriaZinc contains zinc (Zn) – 153 g/L, molybdenum (Mo) – 7.5 g/L and triacontanol.



FRUIT TREES



BERRIES



VEGETABLES



ORNAMENTAL PLANTS



ARABLE CROPS



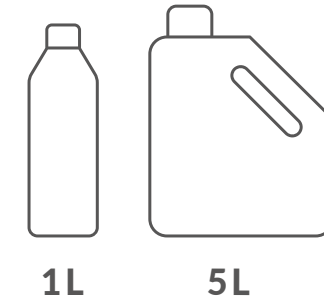


FOLIAR FERTILISER

# TriaZnB









PACKAGING:



Available soon

## ZINC ANB BORON FOLIAR FERTILISER CONTAINING TRIACONTANOL

-  *No Crystals Technology allows rapid and efficient product absorption*
-  *Reduction of symptoms caused by abiotic stresses (mainly cold and water stress)*
-  *Healthy plant development, especially during spring*
-  *Promotion of proper flower formation*
-  *Increase in pollen production*
-  *Enhance of fruit growth and formation*

## Product description

TriaZnB is an advanced foliar fertiliser / plant growth stimulant containing a novel combination of zinc, boron and triacontanol.

The product is designed to effectively supply plants with microelements, especially during flowering and fruiting periods. It is also very effective in early spring, when it helps plants reduce symptoms of low temperature stress and water loss.

TriaZnB is an advanced product with a rich composition. Zinc is needed by plants in many processes related to responses to negative environmental factors. Boron supports the proper development of plants and is particularly needed during flowering and fruiting periods. Triacontanol is a natural stimulant, promoting plant growth and resistance to abiotic stresses.

This composition results in a product with a broad but specific purpose: ensuring richer yields from the very beginning of plant growth.

## Novel Technology:

THE **NO CRYSTALS TECHNOLOGY**, USED IN TRIAZNB ALLOWS EVEN DISTRIBUTION OF THE PRODUCT ON THE PLANT'S SURFACE AND HELPS IN ITS RAPID AND EFFICIENT ABSORPTION. THIS NOT ONLY INCREASES THE EFFECTIVENESS OF THE PRODUCT, BUT ALSO MAKES IT SAFER FOR THE PLANTS BY PREVENTING PRODUCT CRYSTALLISATION ON THE PLANT SURFACE.

## Composition

TriaZnB contains zinc (Zn) – 30 g/L, boron (B) – 40 g/L, nitrogen (N) – 74 g/L and triacontanol.



FRUIT  
TREES



BERRIES



VEGETABLES



ORNAMENTAL  
PLANTS



ARABLE  
CROPS





# Specialised adjuvants

*Adiumix FLUMIO*

*Adiumix SU*

*Adiumix IMA*

*Adiumix GLYPHO*










# Adiumix FLUMIO

PACKAGING:



## FLUMIOXAZIN HERBICIDES PERFORMANCE ENHANCER

-  *Stabilises flumioxazin herbicide performance*
-  *Increases leaf cuticle penetration protecting from wash out*
-  *Improves both pre-emergent and post-emergent activity of flumioxazin*
-  *Reduces the fluctuation of the herbicide efficacy caused by changing weather*
-  *Perfectly compatible with chemical compositions containing flumioxazin*

## Product description

Adiumix FLUMIO is a **stabiliser-adjutant** specifically formulated to enhance the performance of **flumioxazin-based herbicides** commonly used in various crops, e.g. in soybean, cotton, sunflower, almonds, sugarcane, fruit trees, peanuts.

For the reason that flumioxazin is relatively unstable in the environmental conditions, such herbicides require additional support. Flumioxazin photodegrades rapidly in the soil, especially alkaline and it is a subject to hydrolysis, and degradation by UV light.

**Mode of action:** Adiumix FLUMIO comprises tasks related to three areas:

- **pH controller** – creates non-leachable microenvironment with low pH that is favourable for flumioxazin stability,
- **antioxidant agent** – protects the molecule against oxidation that may lead to molecule degradation and loss of activity,
- **surfactant** – forms a homogeneous film on the top layer of the soil. Helps flumioxazin to run down the soil clods, getting under them, what results in a greater protection of molecule against the destructive UV light.

## Composition

Adiumix FLUMIO contains anionic surfactant, antioxidative agent, pH controller and co-formulants-efficacy boosters.







# Adiumix SU

PACKAGING:



## SULFONYLUREA HERBICIDES PERFORMANCE ENHANCER

- Multi-functional formulation for SU herbicides and other pesticides
- Reduces surface tension to improve coverage on leaf surfaces
- Increases wetting, adhesion and endurance of pesticides treatments
- Converts SU active substance into a ionic liquid
- Helps to reduce the dosage of herbicide per hectare
- Flexibility to be used on a wide variety of crops including maize, soybeans, and wheat
- Improved rainfastness

## Product description

Adiumix SU is multi-functional adjuvant designed to enhance the performance of sulfonylurea based herbicides and wide range of water-soluble pesticides. It creates unique Ionic Liquid structure with SU herbicides what significantly improves the active ingredient transfer into the leaves tissue.

**Mode of action:** The activitiy is based on conversion of the active substance into ionic liquid form that is easily absorbed by weeds. Such form has great wetting ability and a large affinity for lipids in cuticles of weeds leaves. This way improved adhesion performance of pesticides and increased penetration are achieved. As well as protection against wash out by untimely rainfall. Such feature is particularly important in occurrence of well-developed weeds cuticle, which creates a barrier for pesticide entry. For example, in case of older weeds or those growing during drought. The addition of two non-ionic surfactants increases the effectiveness of the above-described Ionic Liquid.

All components of Adiumix SU give a synergistic effect on increased herbicides performance.

## Novel Technology:

THE ADJUVANT IS BASED ON THE **IONIC LIQUID TECHNOLOGY**, WHICH IS A CONCEPT OF ICB PHARMA. THANKS TO THIS ADVANCED TECHNOLOGY:

- THE ACTIVE INGREDIENT REMAINS MOLTEN ON THE LEAF SURFACE – IT IS MUCH MORE ABSORBABLE,
- AFFINITY OF HERBICIDES TO LEAF CUTICLE IS ENHANCED.

## Composition

Adiumix SU contains blend of cationic and non-ionic surfactants, SU stabilisers.










# Adiumix IMA

PACKAGING:



## IMIDAZOLINONES HERBICIDES ACTION ENHANCER

-  *Enhanced solubility of imidazolines*
-  *Maximised penetration of a.i.*
-  *Excellent spreading*
-  *Protection against wash out*
-  *High efficacy of herbicide under extreme weather conditions*

## Product description

Adiumix IMA is an adjuvant based on a mixture of organic solvents and specific, non-ionic surfactant, specifically formulated to enhance **imidazoline based herbicides**, especially **imazamox**.

**Mode of action:** Adiumix IMA is complex with features contributing to several areas, as Adiumix IMA:

- works as a **penetrant** – by increasing the leaf cuticle penetration that protects product from wash out and results in improved rainfastness,
- **maximises spreading effect**, enhancing the absorption of active ingredients by the weeds,
- **inhibits the crystallisation process of imidazolinones** on the leaf surface ensuring fast and smooth absorption of herbicide into the plants tissue,
- **secures high efficacy** of herbicide under extreme weather conditions like drought and high temperature.



## Composition

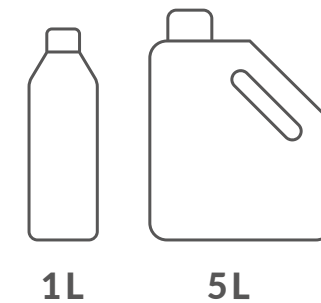
Adiumix IMA contains imidazolinone solvents, surfactants and crystallisation inhibitor.





# Adiumix GLYPHO

PACKAGING:







1L

5L



## GLYPHOSATE HERBICIDES PERFORMANCE ENHANCER

-  Improves the spreading of herbicides on the plant surface and penetration into the weed leaves
-  Converts glyphosate into the form considerably better absorbable to plant
-  Optimises pH of spray solution
-  Neutralises negative impact of calcium, magnesium and iron ions present in water on glyphosate biological activity

## Product description

Adjuvant with multidirectional action dedicated for use with glyphosate based herbicides and some other (e.g. phenoxy acids).

Allows to reduce dosages of glyphosate based products while keeping very high control rate.

Enhances glyphosate performance in several different ways. Such complex activity optimises the effectiveness of the product and allows to decrease the dosage of the glyphosate based products by up to 35%.



## Novel Technology:

THE ADJUVANT IS BASED ON THE **MAX G EFFECT TECHNOLOGY**, WHICH IS A CONCEPT OF ICB PHARMA. THANKS TO THIS ADVANCED TECHNOLOGY, THE CHEMICAL CHARACTERISTIC OF GLYPHOSATE IS MODIFIED, MAKING IT MUCH MORE ABSORBABLE.

## Composition

Adiumix GLYPHO contains blend of surfactants, efficacy boosters and hard water ion neutralisers.



# Special purpose products

*Biopolin®*

*Starset*

*BioThinner®*

*Apimil®*

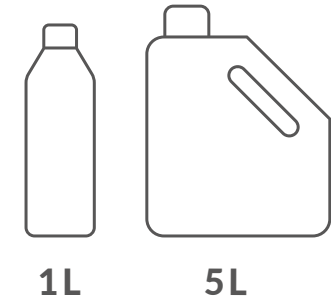











# Biopolin®

PACKAGING:



## ATTRACTANT FOR HONEY BEES AND OTHER CROP POLLINATORS

-  Effectively attracts crop pollinators and activates their work on flowers
-  Enhances yield quantity and quality
-  Improves fruit storage ability
-  Acts for a long period of time, thanks to innovative Slow Release Technology™
-  Contains substances occurring in nature

## Product description

Biopolin is an innovative attractant with prolonged activity for honey bees and other crop pollinators (bumblebees, red mason bees). The product effectively attracts crop pollinators and activates their work on flowers, and thanks to this optimises pollination process. Biopolin successfully prevents honey bees from foraging outside of the target crops on other competitive plants. The product effectively keeps bumblebees in greenhouses and tunnels.

Better pollination of crops results in yield improvement, even by up to 25%, and better harvest quality. Increased number of correctly pollinated flowers means more fruit sets, higher number of seeds, and larger fruits. In addition, more seeds in the fruits provides more calcium (Ca) content and thus better fruit storage ability (apple, pear).

Biopolin provides better yield in quality and quantity, e.g. accelerated formation and maturation of the rape pods and improved pods filling with seeds.

## Novel Technology



BIOPOLIN IS BASED ON ADVANCED **SLOW RELEASE TECHNOLOGY™**, WHICH IS A CONCEPT OF ICB PHARMA. THIS TECHNOLOGY PREVENTS RAPID EVAPORATION OF THE ATTRACTANTS AFTER THE APPLICATION. BECAUSE OF THIS, LONG-LASTING ACTIVITY IS OBSERVED. ONE TREATMENT IS USUALLY ENOUGH FOR A SUBSTANTIAL EFFECT.

## Composition

Biopolin contains a mixture of several naturally occurring substances (essential oils and polysaccharides).



FRUIT  
TREES



BERRIES



VEGETABLES



OILSEED  
RAPE



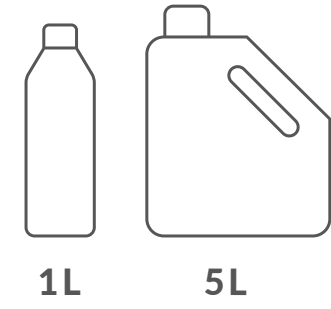
SUNFLOWER









# StarSET

PACKAGING:



## FRUIT SETTING ENHANCER

-  *Increases fruit set, fruit weight and size*
-  *Reduces fruitlet dropping*
-  *Improves fruit shape*
-  *Increases total yield and percentage of marketable fruits*

## Product description

StarSET ensures effective fruit setting. It is recommended especially when pollination is not satisfactory due to unfavourable weather conditions or low effectiveness of insect pollinators.

StarSET is a unique blend of plant nutrition and plant stimulants directly affecting the process of fruit setting. Boron and molybdenum contained in the blend are critical micronutrients for effective pollination and fruit setting. They are combined with the specific plant stimulants and efficacy boosters strongly improving fruit set effectiveness.

StarSET is dedicated for use on tomatoes under cover, strawberries, and sour cherries.



*Improved fruit setting resulting in increased number of fruit set and quality of tomato fruits.*



*Improved fruit setting resulting in increased number of fruit set and quality of strawberry fruits.*

## Composition

StarSET contains boron (B) – 0.1%, molybdenum (Mo) – 0.01%, fruit set enhancers and efficacy boosters (triacontanol and others).



FRUIT  
TREES



BERRIES



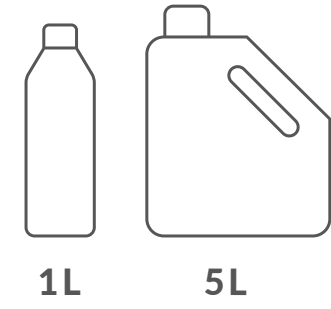
VEGETABLES










# BioThinner

PACKAGING:



## APPLE AND PEAR THINNER

-  *Post-bloom thinning in apples and pears*
-  *Effective and partially selective thinning*
-  *Significant improvement of commercial yield*
-  *Enhanced fruit colouration*
-  *Prevention of alternate bearing*



APPLE



PEAR

## Product description

Biothinner is a product for post-bloom thinning in apples and pears. The formulation is a unique combination of two active ingredients (6-BA and NAA) and efficacy boosters with synergistic effect. Such a specific combination of several ingredients is an advantage over other thinning products.

Biothinner is applied after blooming when the central fruits are from 10–14 mm in diameter. It provides partially selective thinning, leaving mainly central fruits. The thinning with Biothinner is regarded low risky as the formulation does not lead to overthinning, if used correctly.

The key benefit provided by Biothinner is a substantial increase of fruits size and weight. It is caused indirectly thanks to thinning effect and also directly by cell divisions stimulation by 6-BA. Moreover, the thinning with Biothinner improves red colouration of apples and significantly prevent alternate bearing.

Biothinner can be also a perfect tool in sequential thinning programmes.



*Increased apple fruit quality due to effective post-bloom fruit thinning.*



*Increased pear fruit quality due to effective post-bloom fruit thinning.*

## Composition

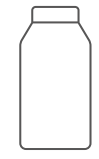
BioThinner contains 6-BA (50 g/L) and NAA (10 g/L).





# Apimil®

PACKAGING:








250 ml



HIVE



## COMFORTABLE AND EFFECTIVE BEEKEEPING

-  Temporarily eliminates the stinging tendencies of honey bees
-  Improves the success of introducing honey bee queens
-  Increases the efficiency of colony combining
-  Contains naturally occurring substances
-  Safe for bees

## Product description

Apimil is intended to be used during beekeeping works. It contains a combination of fragrances which have a strong influence on the behaviour of bees reducing their instinctive, aggressive reactions. When applied directly to a hive, the product immediately calms bees, and reduces their natural instinct of defence and stinging, increasing the comfort of working the hive. It may be used instead of smoke.

Apimil improves the success of difficult beekeeping operations such as: introducing queens or combining colonies.

Regular use of the product naturally supports the conventional methods of reducing varroosis.



*The success of introducing honey bee queens and colony combining is improved.*



*The stinging tendencies of honey bees are temporarily eliminated.*

## Composition

Apimil contains a mixture of ingredients of natural origin – mainly compounds extracted from essential oils and saccharides.





# Contact us

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all over the world.*

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