



PRODUCT CATALOGUE 2024

cultivating life





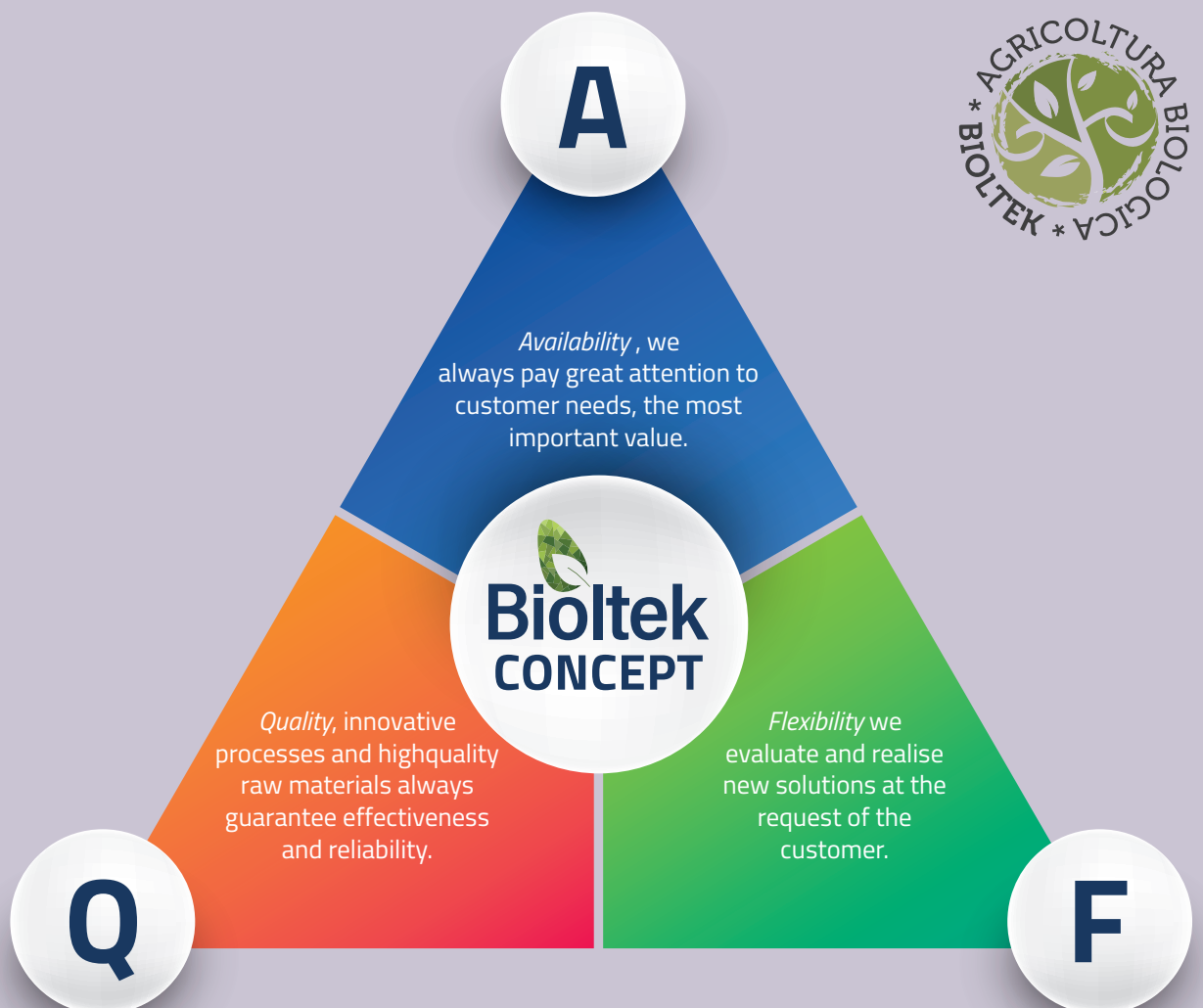
THE COMPANY

BIOLTEK specialises in technical means for professional agriculture, operates in the field of biotechnology and nanotechnology, and creates innovative solutions that optimise natural selection, increase crop yields, and resistance to disease and stress caused by adverse weather conditions.

We develop solutions that meet the modern needs of farmers and the reduction of environmental impact, our goal is to produce effectively sustainable products that meet the new directives for the reduction of chemical compounds and pesticides in agricultural production.

Our international team of experts is constantly researching and developing to offer innovative and exclusive products, and we strive every day to find solutions that improve growth, defence and nutritional intake, producing environmentally sustainable and profitable products for the entire supply chain.

The guidelines that characterise our organisation respond to the A.F.Q. concept.





RESEARCH

Our research focuses on maximising production, fertiliser use efficiency; reducing waste, logistical costs and agronomic practice.

Studies have shown the important interaction of microorganisms and bacteria in the plant life cycle, which has enabled the development of products integrating the synergies of multiple naturally occurring strains that improve soil structure and plant physiology. Using the latest molecular tools and strategies, we monitor the biostimulatory vegetative interaction under normal and adverse growth conditions to provide next generation performance.

The overuse of chemical fertilisers and pesticides has shown negative impacts on soil health and the environment. Chemical residues decrease the fertility of the soil and damage its ecosystem, affecting beneficial organisms, Bioltek has long been addressing this by testing nanotechnological blends to try to solve the growing problem.

Trial tests in controlling excess inputs and maintaining environmental balance showed encouraging results, the release capacity and targeted delivery of nano-fertilisers showed a high response compared to conventional fertilisers and have great potential in plant growth and pathogen control.



Every year, we invest a large part of the profits to help farmers bridge the gap between potential and actual yield through the development of new generation, more efficient and bioactive products.

"Farming seems tremendously easy when your plow is a pencil, and you are thousands of miles away from the cornfield."

(Dwight Eisenhower)

NUTRITION



BIOVALENT
BIOVALENT P.
MICRON
PRIMAX
BORAG
KELFER

MG TRACE
CALEXFLOW
KINETIC K18
RELOW-N
AGRIMAX NPK

BIOSTIMULATION



ENTAKE
CERERA
HORUS
POMONA
VARUNA
ASCON

INDUCTION RESISTANCE



TANEMAX
TANEFLOW
AMINOX
AMINOX PLUS
ZOLFLOW
RAMIX 6

PROTECTION



SUNLES
BIONAT NT
PROPOLIS BIO
CAOLIFLOW
ZEOTEK

SUMMARY

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PROTECTION



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NUTRITION

Plant nutrients and their proper management are the most important aspects of increasing agricultural productivity. It is important to use fertilisers that ensure proper release and maximum plant uptake, thus avoiding nutrient deficiencies and minimising losses. Supplementing organic resources with mineral resources in our preparations is an excellent way to maximise nutrient uptake, bring organic matter into the soil and increase production.



BIOVALENT

MIXTURE OF ORGANIC FERTILISERS NP



FEATURES

BIOVALENT is an organic fertiliser in granular form produced from quality raw materials and is composed of dried poultry manure, plant extracts, agro-food pellets, and molasses.

BIOVALENT has a high content of organic matter essential for increasing soil fertility and for improved water retention, stimulates microbial activity in the rhizosphere and improves soil structure.

BIOVALENT gradually releases its nutrients during the season, which prevents the phenomenon of nitrogen leaching and provides complete and balanced nutrition for all crops in the greenhouse (both soil and non-soil) and in the open field. Advanced production techniques guarantee high and consistent quality, with a high dry matter content the granule structure is maintained without dust or waste effect. **BIOVALENT** is easy to use thanks to its highly effective granular form and is completely soluble even in carbonate-rich water.



Bag
25 kg



Pallet
1250 kg



Appearance
granules 2-5 mm

DOSAGE

CULTIVATION	APPL. LEAF
Cereals, rice, barley, wheat	15-25 Qq/ha
Greenhouse horticulture	15-25 Qq/ha
Grapes, strawberries, vegetables in the field	7,5-20 Qq/ha
Orchard	10-25 Qq/ha
Tubers, potato	15-25 Qq/ha
Legumes, soya, pea	7,5-10 Qq/ha
Corn, sunflower	15-25 Qq/ha

COMPOSITION

BIOVALENT 4-3-8

Organic nitrogen (N)

Total phosphoric anhydride (P_2O_5)

Water-soluble potassium oxide (K_2O)

Total calcium oxide (CaO)

Magnesium (MgO)

Sulphur

pH

ADVANTAGES

- * Increases soil fertility
- * Balanced supply of nutrients
- * Granule format

WARNINGS

Thanks to its granule composition **BIOVALENT** can be easily distributed by fertiliser spreader or on the row; granules 2-5 mm

Product obtained solely from NP+N organic fertilisers permitted in organic farming



FEATURES

BIOVALENT PLUS is a slow-release fertiliser with a high nitrogen content and is made from carefully selected, high quality raw materials consisting of flagpole, bone meal, plant extracts, agro-foodstuff, molasses. The combined supply of organic nutrients, trace elements and organic matter ensures increased yields, improved crop quality and maintenance of soil fertility. Stable organic matter preserves humus in the soil, improves soil structure and stimulates biological activity that enhances root development.

BIOVALENT PLUS ensures a continuous and balanced supply of nutrients throughout the vegetative cycle, promotes the formation of colloids, increases the water retention capacity of the soil and promotes the formation of chelates with micronutrients.



Bag
25 kg



Pallet
1250 kg



Appearance
granules 2-5 mm

DOSAGE

CULTIVATION	APPL. LEAF
Cereals, rice, barley, wheat	10-15 Qq/ha
Greenhouse horticulture	8-15 Qq/ha
Grapes, strawberries, vegetables in the field	5-15 Qq/ha
Orchard	7,5-15 Qq/ha
Tubers, potato	10-15 Qq/ha
Legumes, soya, pea	5-10 Qq/ha
Corn, sunflower	10-15 Qq/ha

COMPOSITION

BIOVALENT 10-1-3

Organic nitrogen (N)
Total phosphoric anhydride (P_2O_5)
Water-soluble potassium oxide (K_2O)
Total calcium oxide (CaO)
Magnesium (MgO)
Sulphur
pH

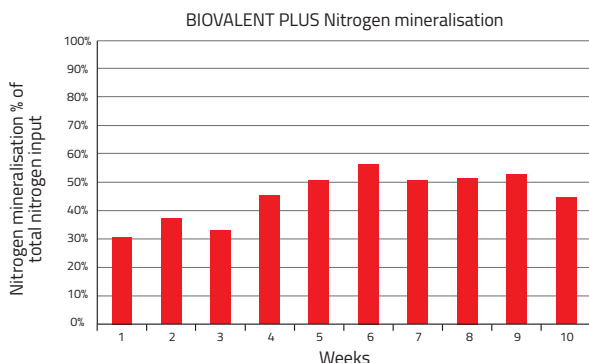
10%
1%
3%
2%
1%
1,5%
5,5

ADVANTAGES

- * High and stable percentage of organic matter
- * 90% dry matter content
- * Slow release of nitrogen
- * Supply of trace elements such as Fe, Mn, B, Mo, Zn, Cu
- * Improves soil structure and maintains humus content
- * Stimulates biological activity and increases nutrient absorption
- * Improves root development by allowing rapid proliferation
- * Reduces transplant-related stress
- * Promotes the formation of colloids and chelates
- * Increases the water retention capacity of the soil

WARNINGS

- * Burial is recommended to avoid nitrogen losses
- * Can be applied with a spreader or by hand
- * Distribute 10 days before sowing
- * Distribute before rain irrigate afterwards
- * In-row fertilisation 15-20 cm from the plant





MICRONBIO

ORGANIC FERTILISER
NPK MICROGRANULAR



FEATURES

MICRON BIO is an organic micro-granular fertiliser with a starter effect that is excellent for precision fertilisation of various crops.

Applied in rows in the seed bed in crops such as maize, sorghum, soya or sunflower induces ready germination and increased root development. More vigorous roots lead to increased resistance to abiotic stresses, sunstroke, high temperatures, drought; **MICRON BIO** reduces soil transpiration (water retention) for healthier and more productive plants.

MICRON BIO contains microelements that are important for plant development and a high content of organic matter that improves soil structure. It naturally contains microorganisms that increase the decomposition of organic matter, the fixation of atmospheric nitrogen, and the solubilisation of phosphates. The supply of organic matter and elements such as phosphorus and zinc readily assimilated around the seed, allows rapid germination, improves bacterial life and the uptake of all nutrients by the root system. Applied during sowing, it enables a reduction in damage caused by wildlife. **MICRON BIO** fertiliser is dust-free, reduces waste and logistics, maximises the effect of fertilisation and minimises costs



Bag
20 kg



Appearance
granules 2-3 mm

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Horticulture, tomato	20-30 kg/ha	
Strawberries, small fruits	20-30 kg/ha	
Tubers, potato	20-30 kg/ha	
Leguminous plants, pea	20-30 kg/ha	
Corn, sunflower, soya, sorghum	20-30 kg/ha	

COMPOSITION

MICRON 4-3-8

Organic nitrogen (N)
Total phosphoric anhydride (P_2O_5)
Water-soluble potassium oxide (K_2O)
Total calcium oxide (CaO)
Magnesium (MgO)
Sulphur
Organic substance
Dry matter
pH
Fe, Mn, B, Mo, Zn

4%
3%
8%
6,5%
1%
2,3%
60%
90%
5,5%
0,15%

ADVANTAGES

- * Rapid germination
- * Resistance to abiotic stress
- * Increases the root system
- * Reducing damage and losses from wildlife

WARNINGS

The **MICRON BIO** fertiliser permitted in organic farming must be distributed by micro-granulator or layered in the hopper, localised during sowing, contains micro-nutrients, iron, boron, manganese, molybdenum; granules 2-3 mm

Product obtained solely from NP+N organic fertilisers
'permitted in organic farming



PRIMAX

GRANULAR NPK FERTILISER
MINERAL ORGAN



FEATURES

PRIMAX organo-mineral fertiliser is made from carefully selected high-quality raw materials. Rich in organic matter, it contains primary and secondary nutrients and trace elements. A combined supply of organic and mineral substances guarantees increased yields, improved crop quality and soil fertility. **PRIMAX** stimulates soil activity and improves soil structure, gradually releasing nutrients during the growing cycle and reducing nitrogen leaching. Advanced production techniques ensure high and consistent quality, thanks to its stability and high dry matter content, the product is maintained and does not become dusty.

Free of pathogens and weed seeds **PRIMAX** has a neutral pH value and low chlorine values, contains a amount of stable organic matter that preserves soil humus.

It improves soil structure by stimulating biological activity, develops roots and allows greater nutrient uptake, stimulates plant enzymes and promotes colloid formation (prevention of soil erosion).

PRIMAX Increases soil water-holding capacity (sponge effect), improves CEC (Cation Exchange Capacity) and promotes chelate formation with micronutrients.



Bag
25 kg



Pallet
1250 kg



Appearance
granules 2-5 mm

DOSAGE

CULTIVATION	APPL. LEAF	
Vineyard	5-15 Qq/ha	
Cereals, rice, barley, wheat	5-15 Qq/ha	
Horticulture, tomato	5-12 Qq/ha	
Strawberries, small fruits	5-10 Qq/ha	
Tubers, potato	10-15 Qq/ha	
Corn, sunflower	8-15 Qq/ha	

COMPOSITION

PRIMAX 12-5-15+4MgO

Dry matter
 Organic substance
 Nitrogen (N) (total)
 Organic Nitrogen(N)
 Ammonia nitrogen(N)
 Nitric Nitrogen(N)
 Phosphoric anhydride (P₂O₅)
 Water-soluble phosphate
 Sulphur dioxide SO
 Potassium oxide (K₂O) 1
 Magnesium oxide (MgO)
 Organic carbon

90,0%
 15,0%
 12,0%
 1,2%
 5,9%
 4,7%
 5,0%
 1,8%
 15,0%
 5,0%
 4,0%
 7,5%

ADVANTAGES

- * Contribution of organic matter
- * Ensures soil fertility
- * Extended nutrient supply Neutral pH with low chlorine values
- * Improves cation exchange capacity

WARNINGS

Granular form of **PRIMAX** allows practical application by
 spreader or on a row.
 Granular mix 2 to 5 mm



BORAG

LIQUID FERTILISER BASED ON
BORON ETHANOLAMINE



FEATURES

BORAG based on water-soluble Boron ethanolamine is a fast-assimilating fertiliser for both foliar and root application, improves flower fertility by increasing pollen viability.

This results in increased fertilisation, leading to higher fruit production.

BORAG is involved in particular enzymatic activities such as protein and lipid synthesis, cell division and sugar translocation. This efficiency is not only limited to the biological point of view but also extends to the structural point of view: boron increases the lignification of the tissues, which leads to a strengthening of the stem, making the plant more resistant to mechanical and environmental stress (strong wind, frost, dry season, etc.). The product prevents and treats physiopathologies due to boron deficiency such as suberosis in apples, hollow heart in beets, millerandage in vines, stem fragility in celery, poor fruit set, stunted growth in tobacco, lithiasis in pear trees. It has high foliar penetration, high mobility towards forming tissues due to its high persistence and adhesion on leaves.

The product contains a unique nano-technological carrier, which enhances the penetration-absorption action for greater efficiency towards the target, compared to normal fertilisers.



Bottle
1 lt



Tank
5 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

In all crops use **BORAG** 1-3 l/ha with foliar fertilisation in 200-400 l water or 4-8 l/ha with fertigation.

CULTIVATION	APPL. LEAF	PERIOD
Corn	3-4 lt /ha	from 4 leaves
Cereals	2 lt /ha	until the end of the bead
Rapeseed	2-3 lt /ha	from 6 leaves then until the beginning of flowering
Beetroot	3 lt /ha	2 times after 6 leaves
Potatoes	1 lt /ha	2 times
Pomaceae	1 lt /ha	2 - 3 times from the red button until flowering

In the presence of physiopathy, it is recommended to intervene as follows

CULTIVATION	APPL. LEAF	PERIOD
Acinellation in the vineyard	800-1000 ml/ha	two pre-flowering interventions
Stunted growth in tobacco	800-1000 ml/ha	two operations every 20 days before full growth
Stem brittleness in celery	500-700 ml/ha	a developed plan intervention

In the presence of boron deficiency symptoms, it is advisable, from the earliest stages, to intervene as follows

CULTIVATION	APPL. LEAF	
Fruit crops	800-1000 ml/ha	
Vegetables	500-700 ml/ha	
Herbaceous crops	700-800 ml/ha	
Fruit and ornamental nurseries	500-700 ml/ha	
Floriculture and ornamentals	60-80 ml/ha	in fertigation

COMPOSITION

Boro etanolamina

Water-soluble boron (B)

Density
ph

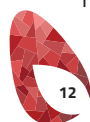
11%
1,36 kg/lt ca+
7

ADVANTAGES

- * Improves flower fertility and pollen germination
- * Lengthens tissue, seed germination
- * Promotes translocation of calcium and sugars from leaves to fruit during ripening

WARNINGS

- * It is miscible with pesticides in general, with the exception of iron ore sequestrates
- * Distribute the product during the cooler hours of the day. In a protected environment do not exceed a dose of 60-80 ml/hl
- * Prior dilution of the formulation is recommended for rapid and optimal solubilisation
- * **BORAG** is miscible with the most common plant protection products
- * Store at temperatures between 10-30°C
- * It is not combustible





FEATURES

KELFER is a formulation based on Iron chelated with EDTA that enables the prevention and reduction of Iron deficiencies (ferric chlorosis). Iron is the main element for oxygen transport, acts as a regulator of photosynthesis and a catalyst of cellular respiration, acts as a catalyst of many enzymes, and is involved in the reduction of nitrates. Iron is a very present element in soils, but its availability is closely linked to pH, so that if the latter is reduced, the element can be absorbed by plants. Iron deficiency is manifested by yellowing of the interveinal areas of the leaves, at which stage action must be taken promptly with close foliar treatments.

KELFER is indicated on all crops showing iron deficiency physiopathologies and can be applied both by foliar and root route. **KELFER** chelating agent acts as a carrier of the ferric ion (Fe^{3+}), transporting it to the root interface, where it is released and is subject to enzymatic reduction to a ferrous ion (Fe^{2+}), in which form it is absorbed by the roots and utilised by the plant. The free chelating agent returns to the solid phase ready to bind with other ferric ions present in the soil.

The product contains a unique nano-technological carrier, which enhances the penetration-absorption action for greater efficiency towards the target, compared to normal fertilisers.



Bottle
1 lt



Tank
5 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Horticulture	150-200 gr/hl	50-100 gr/hl localised gr 2-3/m ²	In the early stages 2-3 times every 10 days
Frutticulture	200 gr/hl	100 gr/hl localised gr 20/pianta	15 days after flowering 2-3 times every 15-20 days
Floriculture	50-200 gr/hl	150-200 gr/hl localised gr 2-3/m ²	In the early stages 2-3 times every 10 days
Vineyard		100 gr/hl localised 20-30 gr/ceppo	

COMPOSITION

pH a 20°C
Iron (Fe) in acute solution
Iron (Fe) chelated by EDTA solution
Appearance
Density a 20°C
Freezing point

6-7
6,00%
6,00%
red brown
1,34 kg/lt ca.
< -10°C

ADVANTAGES

- * Allows early treatment of chlorosis
- * Intensifies chlorophyll formation processes
- * Increases dry matter and carbohydrate synthesis in the plant
- * Induces the formation of amino acids and proteins
- * Prevents leaf flap desiccation, phylloptosis and flower 'dropping'
- * Increases productivity
- * Leaves no residue in solution

WARNINGS

- * Shake well before use
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-30°C
- * It is not combustible



MGTRACE

MAGNESIUM SULPHATE SOLUTION
WITH SULPHUR AND MICROELEMENTS



FEATURES

MG TRACE è is a solution consisting of Magnesium Sulphate, Sulphur, Microelements with trace amino acids and plant peptides that improve the assimilation of plant nutrients. Thanks to the simultaneous presence of magnesium, sulphur and trace elements (boron, copper, manganese, zinc) **MG TRACE** is suitable for effective and timely prevention and correction of nutritional deficiencies; applied both by foliar and root application, it improves growth, development and colouration of the vegetation without inducing vegetative luxation and reduces the incidence of magnesium deficiency physiopathologies (vine rachis dryness, apple tree phyllotaxis, internervial chlorosis, leaf dryness).

Horticultural, fruit and vine crops have a constant magnesium requirement (25-40 kg MgO/ha), which reaches peaks in absorption during intense cell growth. Magnesium deficiency manifests itself as chlorosis between the leaf veins, starting with the older ones, inhibiting root development, the transport of sugars from the leaves to the roots and leading to reduced photosynthetic efficiency of damaged leaves.

MG TRACE helps to quickly overcome stress situations resulting from nutrient imbalance, increasing production and crop quality.

The product contains a unique nano-technological carrier, which enhances the penetration-absorption action for greater efficiency towards the target, compared to normal fertilisers.



Tank
20 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Horticulture	2-3 kg/hl-20-30 kg/ha	Greenhouse 15-20 gr/m ² Full-field root 120-160 kg/ha	Leaf growth
Frutticulture		3-4 kg/hl-25-35 kg/hl Full-field root 140-170 kg/ha	leaf stretching and shoot growth
Floriculture	2-3 kg/hl-20-30 kg/ha	Greenhouse 15-20 gr/m ² Full-field root 120-160 kg/ha	vegetative recovery
Vineyard	3-4 kg/hl-25-35 kg/hl	Full-field root 150-180 kg/ha	leaf distension and development, shoot growth

During the indicated period, carry out 2 to 4 applications at 2/3 week intervals or when deficiency problems occur.

COMPOSITION

MG-TRACE magnesium sulphate solution with sulphur and trace elements

pH at 20°C

Magnesium oxide (MgO) total*

Sulphur dioxide (SO₃) total*

Boron (B) total*

Iron (Fe) total*

Copper (Cu) total*

Manganese (Mn) total*

Zinc (Zn) total*

Appearance

Density a 20°C

(*in water solution)

6,5-7,0

5,0 %

10,0

0,5 %

2,0 %

0,5 %

0,5 %

0,5 %

Solution

1,3-1,35

ADVANTAGES

- * Prevents phyllotaxis in apple trees
- * Prevents internal chlorosis
- * Prevents leaf dryness
- * Prevents grapevine rachis desiccation
- * Prevents cracking and russetting of stone fruits

WARNINGS

- * Shake well before use.
- * It is a water-soluble magnesium fertiliser with immediate effect, completely soluble in water, leaves no residue
- * Mixable with most plant protection agents, growth regulators and herbicides
- * It is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-30°C
- * It is not combustible



FEATURES

Calcium plays a fundamental role in the life of cultures by participating in the construction of the cell wall by supporting and reinforcing the lamellae of cell membranes.

CALEX FLOW is used by foliar application or fertigation and enables better recovery of plants weakened by water stress, thanks to the oxygenating action of calcium in the soil. **CALEX FLOW** increases the consistency of vegetative tissues, improves the shelf life of fruits and vegetables, enables to counteract and prevent physiopathologies resulting from calcium deficiency such as bitter pit in apple trees, apical rot in tomatoes, spotting in peppers, splitting of stone fruits, tip burn. The product contains a unique nano-technological carrier, which enhances the penetration-absorption action for greater efficiency towards the target, compared to normal fertilisers.



Tank
20 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Tree crops		30 Kg/ha	from vegetative recovery to veraison, repeating the intervention 5-6 times
Horticultural crops		20-25 Kg /ha	from transplanting to harvesting, repeating the intervention 4-5 times
Flower and ornamental crops		2-2,5 Kg /1000 m ²	repeat throughout the cycle 3-4 times
Against bitter pitting	1 Kg per 100 lt H ₂ O		after flowering at least 5 interventions, 1 every 15 days
Against grapevine rachis desiccation	500 gr per 100 lt H ₂ O		after flowering at least 4 interventions, 1 every 10 days
Against apical tomato rot	500 gr per 100 lt H ₂ O		after setting of the first stage every 15 days
I count the sickly radiance of peaches, nectarines, peaches	500-600 gr per 100 lt H ₂ O		from the nut fruit, 3-4 treatments 15-20 days apart

APPLICATIONS

It is miscible with pesticides in general, with the exception of mineral oils. Do not mix with products containing phosphorus and sulphur. Distribute the product during the cooler hours of the day.

COMPOSITION

Total calcium oxide (CaO)*

pH at 20 °C

Density

(*in water solution)

14,4%

6,5-7

1,3 kg/lt

ADVANTAGES

- * Prevents bitter apple pits
- * Combats apical rot of tomatoes
- * Prevents leaf dryness of leaf vegetables and marginal necrosis of poinsettia bracts
- * Prevents grapevine rachis desiccation
- * Prevents cracking and russetting of stone fruits

WARNINGS

- * Shake well before use
- * The product has no contraindications with other formulations, although it is always advisable to carry out small tests to check compatibility
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-30 °C
- * The product is not combustible



KINETICK 18

ORGANIC NITROGENOUS FERTILISER, BORLAND
FLUID WITH GLYCINBETAINE AND FULVIC ACIDS



FEATURES

KINETICK18 is an organic nitrogenous fertiliser produced from fluid beet molasses, containing boron ethanolamine, iron and manganese chelated with EDTA, rich in natural amino acids (laevorotations), natural plant proteins and bio-activators, it stimulates enzymatic processes and the multiplication of microfauna and agricultural microflora. Thanks to the nitrogen and organic carbon content, it improves the nutritional status of the crop; while the amino acids positively influence flowering and fruit set, the presence of readily available potassium makes the product essential for increasing the sugar content, intensifying colouration, and promoting fruit size and uniformity.

KINETICK18 is an effective anti-stress, OSMOREGULATOR thanks to its glycinebetaine content, it restores the water balance of the cells and thus avoids the phenomena of dehydration (from heat or cold) of the fruit applied to plants stunted by frost, excess cold or root asphyxia immediately reactivates their development.

KINETICK18 enables increased chlorophyll photosynthesis, facilitates resistance to high salinities and is suitable on all crops in both the growth and production phases, it improves colour, size, makes the plant longer-lived, anticipates production, increases sugar content and fruit shelf life. The product contains a unique nano-technological carrier, which enhances the penetration-absorption action to guarantee greater efficiency towards the target, compared to normal fertilisers.



Tank
5-20 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Orchard, vine and olive tree	2-3 kg/ha post-harvest to fruit veraison	5-10 kg/ha post-harvest	treatments every 10-12 days
Greenhouse horticulture	3-4 kg/hl-25-35 kg/hl - 200-250 g/hl during the early and middle stages of the crop cycle, treatments every 7-10 days	0.5-1 kg/1000 m ² during the growing cycle 2-3 kg/1000 m ² post-transplant regularly every 15-20 days	
Open field horticulture	2-3 kg/ha during the early and middle stages of the crop cycle, treatments every 7-10 days	5-10 kg/ha during the growing cycle	
Flower and ornamental crops, nursery	150-200 g/hl after potting/replanting, treatments every 10-12 days	0.5-1 kg/1000 m ² after repotting/replanting	

Use **KINETIC K18** in all crops alone or mixed with other fertilisers from transplanting to maturity

COMPOSITION

Organic nitrogen (N)
Potassium oxide (K₂O)*
+Bo+Fe+Fe EDTA+Mn+Mn EDTA
Organic carbon (C)
Density 20°C
pH (20°C)

3,4 (% w/w)
5 (% w/w)
0,5%
12 (% w/w)
1,22-1,28 (kg./lt.)
6.0-7.0

(*in water solution)

ADVANTAGES

- * Increased resistance to water stress or soil salinity
- * Increased plant resistance to low temperatures
- * Increased productivity through better fruit size and uniformity
- * Decreased fruit cracking due to massive water absorption
- * Increased preservability and shelf life of the fruit
- * Greater integrity of plant tissue and, consequently, greater resistance to pathogenic fungi

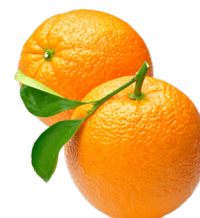
WARNINGS

- * Shake well before use
- * The product has no contraindications with other formulations, although however, it is always advisable to carry out small tests to check the compatibility
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-30 °C protected from sunlight
- * The product is not combustible



RELOW-N

SLOW MOVING LIQUID NITROGEN FERTILISER
DISPOSAL WITH UREA FORMALDEHYDE



FEATURES

RELOW-N is a liquid nitrogen fertiliser with controlled release, its composition allows a slow release of nitrogen, it can be used in the phases of major vegetative development or in stressful situations due to extraordinary atmospheric events (frost, hailstorms) allowing plants a rapid recovery of vegetative growth. The gradual release of nitrogen, allows the plant to synchronise the intake of the element according to its needs, reducing nitrate accumulation and leaching losses, limiting tissue softening, lodging and the onset of fungal diseases.

Applied by foliar application, the product polymerises and forms a film on the leaves, the gradual absorption of nitrogen prevents phytotoxic phenomena, thanks to enzymatic metabolism the product is assimilated and made available to the plant for 3-4 weeks.

RELOW-N can also be administered in fertigation, in the soil it is degraded by the action microorganisms and nitrogen is made available to the plant for 10-12 weeks in its entirety. Applied to fruit plants (vines, olive trees, orchards) and medium to long cycle horticultural crops it provides nitrogen in a non-leachable form that is distributed in the first 15-20 cm of the soil sprayed by the plant. Each kilogram of **RELOW-N** corresponds to ten kilograms of nitrogen of granular fertiliser so can efficiently influence the total nitrogen supply and reduce the amount of nitrates in the soil.

RELOW-N increases crop yields and quality



Tank
20 lt



Foliar
application



Fertigation



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD	FERTIGATION
Rice, wheat, oats	5-10 kg/ha	Pre-rise	4-6 kg/1000 m ² Every 40-60 days
Citrus grove, olive grove	0,2/0,4 kg/ha	Pre-flowering, post setting	
Horticulture	0,2/0,4 kg/ha	Post-transplantation, vegetative phase	
Orchard	0,2/0,4 kg/ha	Pre-flowering, post-set, post-harvest	
Soia, Potatoes, Corn	5-7 kg/ha	Vegetative stage, post-flowering corn	
Vineyard	0,2/0,4 kg/ha	Pre-flowering, post-harvest	

Relow-N contiene 350 gr di azoto per litro, e può essere utilizzato in Fertigation in soluzioni concentrate o diluite.

COMPOSITION

Total nitrogen (N) 28%
 Urea nitrogen (N) 11,5%
 Nitrogen (N) from urea formaldehyde 16,5%
 Density a 20°C 1,25 kg./lt
 pH at 20°C 9-11

ADVANTAGES

- * Ensures balanced growth, prevents deficiency stress
- * Effective uptake without excessive vegetative growth to the detriment of production
- * Ensures excellent fruit set
- * Reduces dropout
- * Reduces the amount of nitrate in the soil
- * Nitrogen uptake even under limiting temperature conditions
- * Allows reduction of nitrogen fertilization to the soil
- * Enhances the effect of systemic or cytotropic products
- * Accumulates reserve substances and does not stimulate vegetation restarts
- * Improves quality and quantity of production

WARNINGS

- * **RELOW-N** è miscibile with most plant protection products and other fertilisers, avoid use with sulphur (after at least 48 hours) and sensitive products with high pH values (in case use acidifying agents).
- * Use high volumes of water to spray the leaf surface well in case of application with low volume nozzles the product can be applied as is.
- * Treat during the cooler hours of the day
- * Store tightly sealed in a dry place and protected from high temperatures and sunlight



AGRIMAX NPK

POWDERED WATER-SOLUBLE CE FERTILISER 63·67·70



FEATURES

AGRIMAX NPK is a specific line of balanced complex fertilisers for foliar application. The main characteristics are rapid and complete solubility, high nutrient uptake and metabolism. These factors allow a targeted action of the applications in the various phenological phases, to reduce and eliminate nutrient deficiencies or in case of need, to intervene to support the plants. Crystals in the NPK range contain all the nutrients nitrogen, phosphorus, potassium, magnesium and chelated trace elements and fully meet the nutritional requirements of various crops.

AGRIMAX NPK ensures proper mineral nutrition by avoiding excesses or deficiencies and losses for runoff, support plant development from vegetative growth to fruit ripening. The high solubility due to the acidifying effect prevents the formation of deposits and consequent clogging of nozzles and hoses.



Bag
1,5-5 kg



Foliar
application



Fertigation



Water-soluble
salts

nPK63

STARTER

NPK63 is a foliar fertiliser with a high concentration of nutrients that directly influences the development of the leaf apparatus, promotes the accumulation of reserve substances, improves leaf colouration and encourages lignification of the vegetative organs.

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Industrial crops	1-2 kg/ha	Emergency
Fruit trees,, vineyard	2-3 kg/ha	Ripresa vegetativa

COMPOSITION

Total nitrogen (N)	22%
Nitric nitrogen (N)	3,6%
Ammonia nitrogen (N)	6%
Urea nitrogen (N)	12,5%
Phosphoric anhydride (P ₂ O ₅)*	15%
Phosphoric anhydride (P ₂ O ₅)**	14%
Potassium oxide (K ₂ O)**	13%
Magnesium oxide (MgO)**	2%
Copper (Cu)**	0,002%
Zinc (Zn)**	0,02%

soluble in neutral ammonium citrate and in water - **soluble in water

AVVERTENZE

- * The product is mixable with most pesticides and herbicides, excluding products with a strongly alkaline reaction (polysulphides, copper sulphate, mineral oils, etc.).
- * Store the sealed product in a dry place away from light at temperatures not below +5 °C



nPK67

ACCRESCENT

The phospho-potassium formulation of **NPK67** ensures prompt assimilation and utilisation in various biochemical processes, particularly suitable for fruit and vine crops in the vegetative phases between fruit set and veraison. **NPK67** is able to ensure a prompt and prolonged fertilising action and is characterised by greater mobility in the soil layers and within the plant than other types of phospho-potassium fertilisers, allowing for uniformity of size and increases in production.

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Industrial crops	1-2 kg/ha	Post-flowering
Fruit trees, vineyard	2-3 kg/ha	Allegagion

COMPOSITION

Total nitrogen (N)	10%
Nitric nitrogen (N)	6%
Ammonia nitrogen (N)	4%
Phosphoric anhydride (P ₂ O ₅)*	22%
Phosphoric anhydride (P ₂ O ₅)**	21%
Potassium oxide (K ₂ O)**	22%
Magnesium oxide (MgO)**	2%
Copper (Cu)**	0,001%
Zinc (Zn)**	0,01%

*soluble in neutral ammonium citrate and in water - **soluble in water

AVVERTENZE

- * The product is mixable with most pesticides and herbicides, excluding products with a strongly alkaline reaction (polysulphides, copper sulphate, mineral oils, etc.).
- * Store the sealed product in a dry place away from light at temperatures not below +5°C

nPK70

MATURATION

NPK70 is a special water-soluble fertiliser designed to provide the plant with the necessary supply for ripening fruit in a single application. Administered from veraison to ripening, NPK70 creates the condition for an increase in the sugar content, improving the quality of the fruit, while at the same time supplying all the other nutrients that are indispensable for improving firmness and shelf life.

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Industrial crops	2 kg/ha	Maturation
Fruit trees, vineyard	3-4 kg/ha	Maturation

COMPOSITION

Total nitrogen (N)	12%
Nitric nitrogen (N)	7,6%
Ammonia nitrogen (N)	2,4%
Urea nitrogen (N)	2%
Phosphoric anhydride (P ₂ O ₅)*	12%
Phosphoric anhydride (P ₂ O ₅)**	11%
Potassium oxide (K ₂ O)***	27%
Magnesium oxide (MgO)**	2%
Copper (Cu)**	0,001%
Zinc (Zn)**	0,01%

*soluble in neutral ammonium citrate and in water - **soluble in water

AVVERTENZE

- * The product is mixable with most pesticides and herbicides, excluding products with a strongly alkaline reaction (polysulphides, copper sulphate, mineral oils, etc.).
- * Store the sealed product in a dry place and away from the light at temperatures not below +5°C





BIOSTIMULATION

The biostimulants in the Bioltek range are the natural and effective way to plant wellbeing, they are part of our innovative technical solutions, they improve plant vigour at key stages of crop development, enabling them to realise their potential, they are solutions containing substances or microorganisms that have a natural impact on metabolism, increase yields and agricultural productivity.



ENTAKE

PLANT DEVELOPMENT AID
BIOSTIMULANT



FEATURES

As part of our innovative product range, **ENTAKE** is a continuous and stable source of nitrogen supply for all crops in a sustainable and natural way.

ENTAKE is a plant development aid biostimulant containing an endophytic bacterium that belongs to the Azotobacter family. Applied to leaves, it penetrates stomata and spreads in the plant tissue, enters into symbiosis with the plant and metabolises atmospheric nitrogen by nitrogenase, i.e. the production of the enzyme complex that converts atmospheric nitrogen into an assimilable form for the plant. In this way, nitrogen is quickly released to the cells that synthesise proteins and nucleic acids.

ENTAKE directly influences plant growth through the synthesis of phytohormones and vitamins, improves phosphate and nutrient uptake, stress resistance and resistance to fungal attacks. It also improves photosynthetic capacity and water-use efficiency, increases chlorophyll, provides a continuous supply of nitrogen and saves soil units.



Tank
3 lt



Foliar
application



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF/Fertigation	PERIOD
Soya, Sunflower, Corn	The treatment involves a single application at a dosage of 1-2 l/ha.	4-6 leaf
Cereals, Rapeseed, Rice		beginning of the rise
Vineyard		pre-flowering
Horticulture		after sprouting or transplanting
Orchard		sprout growth

COMPOSITION

Gluconacetobacter D. 5 x 10⁹ UFC/g
Coformulants
pH

99,5 %
5,5 - 6

ADVANTAGES

- * Applied once in the cultivation cycle
- * Permanently supplies nitrogen
- * Increases photosynthesis
- * Increasing crop production
- * Allows the reduction of nitrogen inputs to the soil
- * It is part of normal agronomic practice
- * Compatible with most plant protection products
- * Allows a reduction in waste
- * Reduces environmental impact
- * If stored correctly shelf life 24 months

WARNINGS

- * For use with plant protection products isolate the plant protection product to be used in the tank with the amount of water required for treatment; prepare a mixture of water, Entake and a common adjuvant separately. (rapeseed oil, soya)
- * Add the mixture to the atomiser tank last.
- * In mixtures with other products, carry out small-scale tests for compatibility
- * Apply during the cooler hours of the day.
- * Store the product tightly sealed at temperatures below 20°C, away from sunlight.



FEATURES

CERERA is a product with a specific PGPR Plant Growth Promoting Rhizobacteria action, which promotes the growth of the root system, resulting in a greater absorbing surface area and increased branching in depth, resulting in greater resistance to water stress.

It contains micro-organisms of the genus *Bacillus* capable of secreting enzymes such as amylase, protease, lipase and phytase capable of making available nutrients such as nitrogen and phosphorous locked up in soil, organic matter and plant residues from previous crops. **CERERA** promotes phytohormone production and has a phytostimulant activity through the secretion of auxin-like substances useful for development and production. The humic substances contained in **CERERA** have a direct effect on the plant by stimulating rhizogenesis and have a positive effect on the activity of root transporters involved in the uptake of nitric nitrogen with a considerable increase, and on the activity of enzymes involved in the assimilation of nitric nitrogen. The microorganisms contained in **CERERA** compete for space and nutrition with the harmful microflora present on leaves and caryopses, counteracting their development and thus helping to keep the roots and aerial part of the plant healthy. At the level of the rhizosphere, they contribute to the production of hydrolytic enzymes and secondary metabolites, thereby increasing resistance against *Fusarium* and *Magnaporthe grisea*.



Bottle
1 lt



Tank
5 lt



Foliar
application



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Wheat, Rice	1-2 lt/ha	apply in accretion and filling
Corn, Sunflower	1-2 lt/ha	apply in emergency and uplift
Sorghum, Soya	1-2 lt/ha	apply in accretion and filling

PRODOTTO AD AZIONE SPECIFICA

Inoculation of mycorrhizal fungi

Type of organic soil improver: simple non-composted vegetable soil improver

Mycorrhiza content

Rhizosphere bacteria content

Thricoderma content

0,5%

1,2x10⁸ UCF/gr

1,3x10⁷ UCF/gr

ADVANTAGES

- * Fixes atmospheric nitrogen
- * Allows the release of polymerised minerals in the soil
- * Increases the root system
- * Boosts autoimmune processes in plants and reduces mycotoxins
- * Increases tolerance to abiotic stresses
- * Increases yield and protein and starch formation

WARNINGS

- * Trattare nelle ore più fresche della giornata
- * Treat during the cooler hours of the day
In mixtures with pesticides carry out small-scale trials to check compatibility
- * Do not mix with cupric products applied with foliar fertilisers increases absorption
- * Apply during the cooler hours of the day.
- * Store the product at temperatures below 20°C, away from sunlight.



HORUS

BIOSTIMULANT FOR GRAPEVINE



FEATURES

HORUS with biostimulating properties, is a product with specific PGPR action Plant Growth Promoting Rhizobacteria, promotes the formation of secondary metabolites such as subtilisin and indolacetic acid, whose hormone-like action favours prompt and uniform vegetative growth, treated plants take on a more intense green colour due to the hormonal substances, and the formation of siderophores, effective chelators of organic iron.

The microbial component competes for space and nutrition with the harmful microflora on the fruit and leaves, counteracting their development and helping to keep the aerial part of the plant healthy. Particular series of actinomycetes promote the secretion of substances that increase resistance to various types of fungal and bacterial diseases on grapes. **HORUS** improves the uptake and assimilation of nutrients (nitric nitrogen and iron) and increases tolerance to environmental stresses, such as salinity, drought and extreme temperatures. It also influences secondary metabolism, promoting the accumulation of antioxidants and the synthesis of phenolic compounds.

Root applications are useful for stimulating rhizogenesis and telluric microflora, while foliar treatments support growth especially under conditions of intense metabolic strain (e.g. high growth rates, high fruit set) and improve tolerance to environmental stresses; applied to plants stunted by frost, excess cold or root asphyxia, they immediately reactivate development.



Bottle
1 lt



Tank
5 lt



Foliar
application



Fertigation



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Vineyard	0,5-1 lt/ha	1-2 lt/ha	3-4 treatments every 15 days from vegetative restart to fruit set
			1 intervention during ripening combined with KINETIC K18
			1 intervention after pruning to prevent pathogens from entering wounds.

SPECIFIC ACTION PRODUCT

Inoculation of mycorrhizal fungi

Type of organic soil improver: simple non-composted vegetable soil improver

Mycorrhiza content

Rhizosphere bacteria content

Thricoderma content

0,5%

$1,2 \times 10^8$ UCF/gr

$1,3 \times 10^7$ UCF/gr

ADVANTAGES

- * Enables the reduction of pesticide use
- * Contributes to the reduction of pesticide residues in grapes
- * Reduces millerandage problems
- * Improves shoot lignification and the accumulation of reserve substances
- * Increases the synthesis of polyphenols and aromas by increasing the percentage of anthocyanins
- * Applied in maturation in combination with **KINETIC K18** increases the berry sugar content

WARNINGS

- * Treat during the cooler hours of the day
- * Mixing with pesticides, fertilisers and foliar products increases absorption (carrier) carry out small-scale trials to check compatibility
- * Mixing with copper products is not recommended in order not to inhibit and reduce the effect of the product
- * Store the product at temperatures below 20°C, away from sunlight



FEATURES

POMONA is a biological biostimulant, promoting the formation of secondary metabolites such as subtilisin and indolacetic acid, whose hormone-like action promotes prompt and uniform vegetative growth. The synergistic combination of this microbial consortium produces alkaline phytases and phosphatases that make available the insoluble phosphorus present in the rhizosphere also triggers nitrogenase that makes amino acids, proteins, vitamins and nucleic acids immediately available.

POMONA increases potassium absorption to make fruit sweeter, tastier, more colourful and with high shelf life, particular series of actinomycetes promote the secretion of antibiotic substances capable of increasing resistance to various types of fungal and bacterial diseases, and applied to plants stunted by frost, excess cold or root asphyxia immediately reactivates their development



Bottle
1 lt



Tank
5 lt



Foliar
application



Fertigation



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Vineyard	0,5-1 lt/ha	1-2 lt/ha	3-4 treatments every 15 days from vegetative restart to fruit set
			1 intervention during ripening combined with KINETIC K18

PRODOTTO AD AZIONE SPECIFICA

Inoculation of mycorrhizal fungi

Type of organic soil improver: simple non-composted

vegetable soil improver

Mycorrhiza content

Rhizosphere bacteria content

Thricoderma content

0,5%

$1,2 \times 10^8$ UCF/gr

$1,3 \times 10^7$ UCF/gr

ADVANTAGES

- * Enables the reduction of pesticide use.
- * Contributes to the reduction of pesticide residues in fruit
- * Improves nutrient efficiency and uptake
- * Supports growth especially under conditions of intense metabolic strain (e.g., high growth rates, high fruit set)
- * Improves tolerance to environmental stresses
- * Promotes accumulation of antioxidants and increase in Brix grade
- * Improves and equalizes size, coloration, shelf life.

WARNINGS

- * Treat during the cooler hours of the day
- * Mixing with pesticides, fertilisers and foliar products increases absorption (carrier) carry out small-scale trials to check compatibility
- * Mixing with copper products is not recommended in order not to inhibit and reduce the effect of the product
- * Store the product at temperatures below 20°C, away from sunlight



VARUNA

BIOSTIMULANT FOR HORTICULTURE



FEATURES

VARUNA is a biostimulant suitable for use on horticultural crops. It consists of humic acids and microorganisms that promote rapid seedling emergence or a rapid overcoming of the transplanting crisis.

VARUNA promotes root development and increases plant growth through the production of phytohormones, the treated plants take on a more intense green colour due to the hormonal substances (indolacetic acid), and the formation of siderophores, effective chelators of organic iron, produces auxins and enzymes such as amylase, protease, lipase and phytase that make nutrients such as nitrogen and phosphorus available.

Humic acids increase the cation exchange and nutrient retention capacity of the soil and enable the transformation of insoluble forms of calcium and other micronutrients into forms easily absorbed by plants. Particular series of actinomycetes promote the secretion of antibiotic substances capable of increasing resistance against various types of fungal and bacterial diseases, such as *Sclerotinia sclerotium* (white rot), *Phomopsis sojae* (ascomycete that infects soya beans, pods and stems) and *Rhizoctonia solani* (Basidiomycete that infects vegetable plants: potato, tomato). Biocontrol activities also extend to, i.e. *Botrytis cinerea* and surfactant production.

Root applications are useful to stimulate rhizogenesis and telluric microflora, while foliar treatments support growth especially under conditions of intense metabolic strain (e.g. high growth rates, high fruit set) and improve tolerance to environmental stresses.

VARUNA anticipates entry into production, increases yields, organoleptic qualities, aesthetics and consistency of the crop, has chelating properties to reduce phenolic compounds and toxic metals in the soil, metabolises complex organic substances such as herbicides fungicides and insecticides.



Bottle
1 lt



Tank
5 lt



Foliar
application



Fertigation



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Leafy vegetables	100 ml/1000 m ²	200 ml/1000 m ²	2-3 operations every 15 days from sowing/transplanting to maturity
Fruit vegetables	150 ml/1000 m ²	300 ml/1000 m ²	2-3 operations every 15 days from sowing/transplanting to maturity
			1 intervention during ripening combined with KINETIC K18
*Treatment with fertigation		Always add Varuna last, before starting treatments With soil substrate use the doses indicated in the table, with fibre substrate reduce doses to 35 ml and apply weekly	

PRODOTTO AD AZIONE SPECIFICA

Inoculation of mycorrhizal fungi

Type of organic soil improver: simple non-composted vegetable soil improver

Mycorrhiza content

0,5%

Rhizosphere bacteria content

1,2x10⁸ UCF/gr

Thricoderma content

1,3x10⁷ UCF/gr

INTERVENTION PERIOD

Pre-sowing, transplanting (soil or root treatment) every 2 weeks until harvest

ADVANTAGES

- * Facilitates germination by increasing the germination rate of seeds.
- * Increased root growth
- * Efficiency of nutrient uptake and assimilationImproved soil water
- * retention
- * Improved tolerance to abiotic stressesIncreases the vitamin and
- * mineral content of plants.
- * Improves organoleptic qualities, aesthetics, and crop texture
- * Improves natural plant resistance against diseases and pests

WARNINGS

- * Treat during the coolest hours of the day
- * When mixed with crop protection products, fertilizers and foliar products, it increases their absorption (carrier) conduct small-scale trials to check their compatibility
- * It is not recommended to mix with copper products so as not to inhibit and reduce the effect of the product
- * Store the product at temperatures below 20°C, away from sunlight



FEATURES

ASCON is a biostimulant solution based on *Ascophyllum Nodosum* algae cream, to be used by foliar application or fertigation. It stimulates epigeal growth, regulates plant development, stimulates chlorophyll increase, increases resistance to abiotic stresses. It improves fruit set and fruit development processes in the central phases of the crop cycle, thereby increasing crop yields.

ASCON is rich in osmoprotective substances, stimulators of endogenous phytohormone production and agents natural chelators that influence production increase by giving the product a stimulating action on vegetative growth, flowering, fertilisation and fruit set.

ASCON contains Cytokinins, Indolacetic Acid, Gibberellins that regulate and stimulate development and growth of plant organs; amino acids and mineral elements, which increase the plant tissue's content of these indispensable substances; and colloids, such as alginic acid and mannitol, which promote the absorption and translocation of nutrients due to their chelating action.

ASCON regulates plant development, stimulates chlorophyll increase, increases stress resistance abiotics, improves fruit set and fruit development processes in the central phases of the crop cycle, thereby increasing crop yields. In the breeding stages and even earlier in the nursery, the use of **ASCON** promotes the growth of the root system, rooting young plants, and reduces apical dominance by promoting the development of axillary buds and reducing the distance between internodes.

The product contains a unique nano-technological carrier, which enhances the penetration-absorption action for greater efficiency towards the target, compared to normal fertilisers.



Tank
5 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Pomaceae	1,5-3 lt/ha	Vegetative growth, pre and post-flowering, fruit set, every three weeks until the end of harvest
Cucurbitaceae	1,5-2,5 lt/ha	Post transplanting, 10 days before flowering, every three weeks until the end of harvest
Citrus fruits	1,5-3 lt/ha	Pre-flowering, post-flowering, fruit 2 mm
Vineyard	2-3 lt/ha	15 cm shoot, 15 days before flowering, fruit set and after 15 days repeat twice
Strawberry	1,5-3 lt/ha	Pre-flowering as needed every three weeks until the end of harvest
Vegetables	1,5-3 lt/ha	Pre-flowering as needed every three weeks until the end of harvest
Brassicaceae	1-2 lt/ha	15 days after germination, growth 10-15 cm, every two weeks until end of harvest
Solanaceae	1,5-3 lt/ha	One week after transplanting, every fortnight until the end of harvest
Legumes	1,5-2 lt/ha	21-day seedling, two weeks after transplanting, every three weeks until end of harvest
Potatoes	2,5-3 lt/ha	Sixth extended leaf, first inflorescence, 30 days after second application
Cereals	1-2 lt/ha	End of tillering, second node, caryopsis swelling
Rapeseed	1-1,5 lt/ha	At 4th leaf, second internode visible, first flower open

COMPOSITION

Extract of *Ascophyllum Nodosum*
Potassium
Organic substance
Organic carbon of biological origin
Density at 20 °C

100%
4,5-5,50%
87%
8%
1,15

ADVANTAGES

- * Increased development of the epigeal apparatus
- * Improves growth, increases chlorophyll
- * Increases resistance to abiotic stresses
- * Improves fruit size
- * Increases production and harvest quality

AVVERTENZE

- * Shake well before use
- * The product has no contraindications with other formulations, although it is always advisable to carry out small tests to check compatibility
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-30 °C protected from sunlight
- * The product is not combustible





RESISTANCE INDUCTION

Stress situations are the prelude to disease, Bioltek resistance inducers are part of the range of elicitors activating the natural plant defences, making a valuable contribution to protection against biotic and abiotic stresses as an alternative to traditional technical means.

The resistance induced by our products is of the ACTIVE type, an activated and boosted immune system makes the plant more resistant, in line with increasingly eco-friendly integrated protection.



TANEMAX

CHESTNUT TANNIN



FEATURES

TANEMAX is a product that develops a fortifying and defence-inducing action by enhancing metabolism and self-defence mechanisms in plants.

Water-soluble tannin, containing a high percentage of glucosidic tannins, is obtained by aqueous extraction from untreated chestnut wood. Rich in polyphenolic substances and organic acids, it reduces damage due to high soil salinity, chlorosis and soil fatigue resulting from short rotations or fumigation.

TANEMAX forms a thin, biodegradable adhesive film on the vegetation, which is poorly permeable to oxygen, which reduces evaporation during hotter periods, reduces fruit cracking and promotes healing.

It is applied both at the root level, where it stimulates the useful microflora and promotes the development of the root system, and at the foliar level, where it acts as an antibiotic capable of defending plants against numerous bacterial fungal pathogens. It stimulates the development of natural substances against various adversities of both biotic and abiotic nature, the content of organic acids and polyphenols improves soil structure by acidifying those with an alkaline pH, and reducing damage from high salinity.

TANEMAX creates an unfavourable environment for the development of nematodes and soil insects by acting caustic and anti-feeding, can be used throughout the crop cycle on all crops, leaves no residue on the parts of the plants intended for direct consumption.



Bag
5 kg



Foliar
application



Fertigation



Water-soluble
powder

DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Open field horticulture	5 kg/ha every 8-10 days	5-30 kg/ha every 15-20 days	On all crops, treatment before sowing or transplanting is recommended
Horticulture In Greenhouse			
Industrial fruit crops			
Table grapes, Wine grapes, Olive growing, Citrus fruit, Strawberry, Small fruit, Ornamental plants			

COMPOSITION

Product resulting from aqueous extraction of domestic chestnut wood (*Castanea sativa*) obtained exclusively by physical processes

Tannin on such

Organic Carbon

pH

75%

50%

3,5

ADVANTAGES

- * Increases soil organic matter
- * Stimulates the development of the root system
- * Reduces damage from high salinity
- * Repels foliar and root pests naturally
- * Creates an unfavourable environment for nematodes and soil insects
- * Increases production and harvest quality

WARNINGS

- * Avoid mixtures with calcium-based products, before mixing tannin with other products it is advisable to check their compatibility. Dissolve the
- * tannin separately in plenty of water before adding it to the tank, we recommend using an acid solution, pH 4/5, rainwater or osmosis water if possible.



FEATURES

TANEFLOW composed of a mixture of chestnut tannin and algae of the *Ascophyllum Nodosum* genus, acts as an efficient elicitor that stimulates the biosynthesis of metabolites (phytoalexins) involved in natural defence responses against biotic and abiotic stresses.

Water-soluble tannin is obtained by aqueous extraction from untreated chestnut wood and is rich in polyphenolic substances and organic acids. It is an antibiotic that can defend plants against numerous fungal and bacterial pathogens, penetrating their cell walls and inhibiting the production of hydrolytic enzymes necessary for their vital functions, which is why it is a valid alternative to treatments with copper products, as it creates an unfavourable environment for the development of cryptogams (downy mildew).

TANEFLOW composed of algae of the *Ascophyllum Nodosum* genus improves root proliferation by increasing the density of root hairs, a condition that enables increased water and nutrient uptake and consequently a greater ability to adapt to stress conditions. **TANEFLOW** is rich in osmoprotectant substances, stimulators of endogenous phytohormone production and natural chelating agents that influence the increase in production by giving the product a stimulating action on vegetative regrowth, flowering, fertilisation and fruit set.

TANEFLOW contains cytokinins, indolacetic acid, Gibberellins that regulate and stimulate development and growth of plant organs; amino acids and mineral elements, which increase the plant tissue's content of these indispensable substances; and colloids, such as alginic acid and mannitol, which promote the absorption and translocation of nutrients due to their chelating action.

Applied by foliar application, it has an osmoprotective action where it is rapidly absorbed by plant tissues and manifests a very valuable action for frost protection.



Tank
5-20 lt



Foliar
application



Fertigation



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Open field horticulture	6-12 kg/ha	15-35 kg/ha	Apply approximately every 7 to 15 days in all phases
Horticulture In Greenhouses			Phenological excluding flowering every 8-10 days
Industrial crops, Fruit growing			Apply about every 7 to 15 days in all phenological phases except flowering
Table grapes, Wine grapes, Olive growing, Citrus fruit, Strawberry, Small fruit, Ornamental plants			every 8-10 days

In **applicazioni fogliari** evenly wet the entire surface to be treated from a distance of 40 to 50 cm

In **fertirrigation**, irrigate with plenty of water and distribute the product in the last phase of the irrigation cycle to avoid losses, it is advisable to repeat the treatment 3-4 times during the vegetative cycle every 15-20 days

COMPOSITION

Tannin content
Seaweed content
Organic carbon (C)
Density (20°C)
pH (1% w/w acq. sol. at 20°C)

32% w/w
20.0% w/w
22 %
1.24 kg/lt.
5,0

ADVANTAGES

- * Increases soil organic matter
- * Stimulates root development
- * Reduces damage from high salinity
- * Repels foliar and root pests naturally
- * Creates an unfavourable environment for nematodes and soil insects
- * Stimulates growth, root development, increased chlorophyll
- * Increased resistance to adversity
- * Increases production and harvest quality

WARNINGS

- * Avoid mixtures with calcium-based products, before mixing tannin with other products it is advisable to check their compatibility.
- * Dissolve the tannin separately in plenty of water before adding it to the tank, we recommend using an acid solution, pH 4/5, rainwater or osmosis water if possible.



AMINOX

LIQUID NITROGEN FERTILISER
SUSPENDED FLUID FLESH



FEATURES

AMINOX is a water-soluble nitrogenous enzyme fertiliser, containing a high amount of active amino acids and peptides rapidly assimilated by the plant for protein synthesis.

It promotes biochemical reactions related to the production of sugars and organic acids by increasing cell multiplication and pollen germination.

Regular foliar application of **AMINOX** has a favourable effect on crop nutrition in as it provides the key links for the formation of biological molecules, without intermediate steps for synthesis, enhances vegetative development and production.

Its rapidity of action in the presence of stress situations (frost, hailstorms, weeding, root asphyxia) allows the plant a rapid recovery of vegetative growth.

In fertigation, it combats soil fatigue, improves the chemical and physical structure of the soil, optimises root development, revitalises and regenerates the microflora, increases the mineralisation of organic matter and reduces nutrient leaching. The use of **AMINOX** improves the delivery of products applied in mixtures.



Tank
5-20 lt



Foliar
application



Fertigation



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Orchard		30-60 kg/ha	Every 10-15 days from pre-blossom to veraison
Leaf vegetables		3-7 kg/1000 m ²	Every 7-10 days from first leaf development
Fruit vegetables		40-80 kg/ha	Every 8-12 days from transplanting to production
Melon, watermelon		30-60 kg/ha	Every 7-12 days from post-transplant to fruit ripening
Strawberry		4-8 kg/100 m ²	Every 10-15 days 2-3 vegetative recovery at harvest
Cabbage, cauliflower		3-6 kg/100 m	Every 8-10 days in the most intense growth phase
Artichoke		40-80 kg/ha	Every 8-10 days from formation to flower head growth
Floriculture		4-8 kg/100 m ²	Every 8-12 days from transplanting to full production
Ornamental nursery plants		50-70 kg/ha	Every 7-12 days from the early stages to transplanting
Wheat	2-3 kg/ha (400-600 gr/hl)		Biostimulant in foliar treatments
Drupaceae	2-3 kg/ha (200-300 gr/hl)		Every 15 days from flowering to veraison
Vegetables, Strawberry	1-2 kg/ha (200-400 gr/hl)		Every 12-15 days from the recovery to the first detachments
Corn, sorghum	3-5 kg/ha (500-1000 gr/hl)		Biostimulant and adjuvant in leaf treatments
Tomato, potato	2-3 kg/ha (400-600 gr/hl)		Every 15 days in all critical phases
Melon, watermelon	2-4 kg/ha (400-800 gr/hl)		Every 10-12 days in full vegetative development
Vineyard	2-3 kg/ha (200-300 gr/hl)		Every 12-15 days from vegetative phase to fruit set

COMPOSITION

Total nitrogen (N)	7,40%
Soluble organic nitrogen (N)	7,40%
Organic carbon (C)	28%
Total amino acids (% t.q.)	40-55%
Free amino acids	6-10%

FEATURES FISICO-CHIMICHE

Appearance of solution	brown
pH as is (20 °C)	6.0-7.0
pH solution 1% (20 °C)	6.6
Apparent density (20 °C)	1,24-1,30 kg/lt

ADVANTAGES

- * Rapid assimilability at both foliar and root level
- * Increasing the assimilation capacity of nutrients and systemic active ingredients
- * Prevents stone fruit blight, cracking and russetting
- * Prevents and treats chlorosis Anti-stress effect in an unfavourable environment
- * Improves soil nutrient uptake due to its chelating action

WARNINGS

- * Shake well before use
- * Do not carry out treatments during flowering
- * Do not mix with products with an alkaline reaction use only if recognised as necessary
- * Do not mix directly with products with a basic-alkaline reaction such as mineral oils and copper, sulphur
- * In the event of a foaming effect, use a normal anti-foaming agent
- * In fertigation, clean the system well by letting the water run for 15 min.
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 5-25 °C protected from sunlight
- * The product is not combustible



FEATURES

AMINOX PLUS is a fluid organic nitrogen fertiliser for foliar and fertigation applications. Derived from animal epithelium it contains organic nitrogen in the form of low and medium molecular weight amino acids and peptides derived from the hydrolysis of high protein substances.

Used by foliar application it provides an immediate nitrogen reserve, readily and directly used by the plant, in protein synthesis, the high amino acid content, acts as a catalyst for enzymatic processes and has a recognised growth factor energy activity.

AMINOX PLUS is an excellent, fast-assimilating organic fertigator with a high titre of protein nitrogen and laevorotation amino acids that stimulate biological processes in plants, leading to a significant increase in vegetation and flower and fruit production.

AMINOX PLUS speeds up metabolic processes in plants by activating the enzymes responsible for the synthesis of sugars, proteins and growth hormones, this results in a significant increase in production and quality of fruit and vegetable products that gain in colour, size and greater resistance to disease and stress (transplanting, frost, drought, weed control, etc.). The use of **AMINOX PLUS** improves the transfer of products applied in mixtures..



Tank
5-20 lt



Foliar
application



Fertigation



Liquid
solution

DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Soft and durum wheat, spelt, barley, oats	200-250 gr/hl	-	1-2 times in late winter
Pome fruits (apple, pear, quince)	200-250 gr/hl	40-50 kg/ha	2-3 times from pre-bloom to veraison
Stone fruit (plum, peach, cherry, apricot)	250-300 gr/hl	40-50 kg/ha	2-3 times from pre-bloom to veraison
Grapes, table grapes, kiwis	250-300 gr/hl	40-50 kg/ha	3-4 times since vegetative restart
Olive	200-250 gr/hl	30-40 kg/ha	2-3 times from pre-bloom
Citrus fruits	150-200 gr/hl	50-60 kg/ha	2-3 times pre-flowering and post-flowering
Tomato	200-250 gr/hl	50-60 kg/ha	3-4 times post-transplant and flowering
Pepper, aubergine, courgette, cucumber	250-300 gr/hl	50-60 kg/ha	3-4 times post-transplant and during vegetative cycle.
Watermelon, melon	250-300 gr/hl	50-60 kg/ha	3-4 times post-transplant and fruit set
Strawberry	200-250 gr/hl	50-60 kg/ha	3-4 times pre-bloom, fruit set, veraison
Artichoke	200-250 gr/hl	40-50 kg/ha	3-4 times during the production cycle
Floriculture	150-200 gr/hl	40-50 kg/ha	1-2 times per transplant

COMPOSITION

Total nitrogen (N)	9%
Soluble organic nitrogen (N)	9%
Organic carbon (C)	25%
Total amino acids (% t.q.)	57-58%
Free amino acids	10-11%

FEATURES FISICO-CHIMICHE

Appearance of solution	brown
pH as is (20°C)	6,8-7,5
pH solution 1% (20°C)	7
Apparent density (20°C)	1,24-1,30 kg/lt

ADVANTAGES

- * Rapid assimilability at both foliar and root level
- * Increasing the assimilation capacity of nutrients and systemic active ingredients
- * Prevents stone fruit blight, cracking and russetting
- * Prevents and treats chlorosis
- * Stress-relieving effect in an unfavourable environment
- * Improves soil nutrient uptake due to its chelating action

WARNINGS

- * Do not carry out treatments during flowering
- * Do not mix with products with an alkaline reaction use only if recognised as necessary
- * Do not mix directly with products with a basic-alkaline reaction such as mineral oils and copper, sulphur
- * In the event of a foaming effect, use a normal anti-foaming agent
- * In fertigation, clean the system well by letting the water run for 15 min.
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 5-25 °C protected from sunlight
- * The product is not combustible



ZOLFLOW^{20.10}

FLUID MIXTURE OF TRACE ELEMENTS
COPPER AND MANGANESE ENRICHED
WITH SULPHUR



FEATURES

ZOLFLOW 20.10 is a foliar fertiliser designed for copper and sulphur deficiencies enriched in manganese. It contains copper oxychloride, elemental sulphur and manganese. The liquid formulation allows it to be used in small doses, conveniently and without generating dust.

ZOLFLOW 20.10 reduces soil pH, promotes phosphorus uptake and fertility as well as having a supportive effect in the photosynthesis process of chlorophyll, increases quantitative yields and increases protein useful to obtain higher crop qualities.

ZOLFLOW 20.10 induces plant resistance against pathogens when the mycelium and spores of the fungus come into contact, dehydration ensues.

The product contains a unique nano-technological carrier, which enhances the absorption penetration action for greater efficiency towards the target, compared to normal fertilisers.



Tank
20 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Apple, pear, peach, cherry, apricot, plum	600-800 ml per 100 lt of water	
Rice, beet, cereals, tobacco	500-700 ml per 100 lt of water	
Vegetables	500-750 ml per 100 lt of water	
Vineyard, strawberry, fennel	500-750 ml per 100 lt of water	
Olive	500-700 ml per 100 lt of water	

COMPOSITION

Copper (Cu) total

10 (% w/w)

Total sulphur (S)

20 (% w/w)

Manganese (Mn)*

0,5 (% w/w)

Solubility in aqueous suspension

Density 25°C

1,35-1,45 (gr/ml)

pH dispersion

1% 5,5-6,5

(*soluble in water)

ADVANTAGES

- * Flowable solution stimulates growth, root development, increased chlorophyll
- * Reduces soil pH
- * Induces resistance against pathogens
- * Increases quantity yields and quality

WARNINGS

- * Shake well before use
- * Do not carry out treatments during flowering
- * Do not mix with products with an alkaline reaction use only if recognised as necessary
- * Do not mix directly with amino acids, humic acids and organic products
- * Before mixing with other formulations, it is always advisable to carry out small tests for compatibility
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 5-30 °C protected from sunlight
- * The product is not combustible



FEATURES

Made from the highest quality Copper Sulphate pentahydrate, it is a readily soluble formulation for low-dose, high-yield applications. **RAMIX 6** is a specific nutrition product that restores vigour to plants in the event of Copper deficiency, which manifests itself in yellowing and/or deformation of leaves, necrosis, and shoot decay.

As a promoter of chlorophyll photosynthesis, Copper enables effective vegetative growth due to its direct assimilation in the leaves and roots.

The product contains a unique nano-technological carrier, which enhances the absorption penetration action for greater efficiency towards the target, compared to normal fertilisers.



Tank
20 lt



Foliar
application



Fertigation



Liquid
solution



DOSAGE

CULTIVATION	APPL. LEAF	FERTIGATION	PERIOD
Fruit Crops: Apple, Pear, Peach, Cherry, Apricot, Vineyard	1,5-4,5 kg./ha in 6 hl. of water.	3-5 kg./ha	
Field Crops: Rice, Beet, Cereals, Tobacco	1,5-7,0 kg./ha in 5 hl of water.	3-5 kg./ha	
Horticultural crops: Strawberry	1,5-4,0 kg./ha in 6 hl. of water.	0,7 -1,6 kg./1500 mq	
Olive	1,8-4,8 kg./ha in 6 hl. of water	3-5 kg./ha	

In the event of a recognised need, it is recommended to intervene from the earliest vegetative stages

COMPOSITION

Copper (Cu) soluble in total water

6 (% p/p)

Density 25°C

1,15-1,25 (gr/ml)

total pH as is

1,8-2,8

Contains copper sulphate Raw material: Copper salt (sulphate)

WARNINGS

- * Only to be used in cases of recognised need.
- * Do not exceed appropriate doses.
- * Do not carry out treatments during flowering.
- * Distribute the product during the cooler hours of the day
- * Do not mix with products with an alkaline reaction.
- * Do not mix directly with amino acids, humic acids and organic products.
- * The product has no phytosanitary and other fertiliser contraindications, but it is always advisable to carry out small tests to check its compatibility
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 5-30 °C protected from sunlight





PROTECTION

Bioltek deals with natural protection by producing products derived from plant extracts, microorganisms and ground rock, which can be used to control fungi and pests integrated with chemical plant protection products. These solutions reduce the environmental impact of agronomic defence practices. Natural defence products are non-toxic to humans, animals and the environment; they do not release harmful residues on crops by avoiding deficiency times and are very specific to target pests. Bioltek preparations are fully compatible and can be included in integrated phytosanitary protection programs.



SUNLES

FERTILISER SOLUTION
ZINC-BASED



FEATURES

SUNLES is a formulation based on zinc complexed with glucose that nourishes the plant and prevents sunburn damage to fruit (Sun burn). Applied by foliar application, the product cures and forms a transparent protective film that leaves no residue or dirt on fruit and plants.

SUNLES has a cooling effect, prevents sunburn and moisturises tissues by lowering their temperature (3-5°C). It has a nutritive function that gives it a preventive and curative action against zinc deficiencies. The complexed formulation containing specific zinc extracts consisting of simple carboxyl chains (carriers) allows increased absorption and immediate translocation into leaf and fruit tissues.

SUNLES plays a key role in preserving plant tissue from environmental adversities such as temperature fluctuations and strong sunlight, has a stimulating function and promotes vegetative development, improves plant metabolism and cold tolerance.



Bottle
1 lt



Foliar
application



Liquid
solution

GENERAL INSTRUCTIONS FOR USE

SUNLES ZN is a deficiency corrector for foliar application, add the product in sufficient water to ensure adequate coverage of the harvest.

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Fruit growing and viticulture	0,4-1,2 kg/ha	Every 7 to 10 days depending on solar radiation
Horticulture	0,2-0,5 kg/ha	Every 7 to 10 days depending on solar radiation
Citrus grove	0,4-1,2 kg/ha	Every 7 to 10 days depending on solar radiation

COMPOSITION

Zinc (Zn) soluble in water
pH
Density

3%
6.0 - 6.5
1 kg./lt.

ADVANTAGES

- * Rapid nutrient translocation
- * Prevents and treats Zinc deficiencies
- * Prevents sunburn damage
- * Does not stain leaves and fruit

WARNINGS

- * Shake well before use
- * Can be mixed with all products, but prior compatibility testing is always recommended
- * Use only in cases of recognised need and do not exceed the recommended doses
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-30°C protected from sunlight
- * The product is not combustible



FEATURES

BIONAT-NT is an organic compound with specific PGPR Plant Growth Promoting Rhizobacteria action, designed for fertigation applications. It promotes the growth of the root system, resulting in a greater absorptive surface area and increased branching at depth, resulting in improved nutrient uptake and resistance to water stress.

It contains several species of microorganisms that improve crop development and exert biocontrol action on plant diseases and soil insects.

Used on all crops **BIONAT-NT** has phytostimulant activity that increases plant growth through auxin production and root nodulation, it produces enzymes such as amylase, protease, lipase and phytase, which cleave insoluble and inorganic phosphates releasing indole acetic acid (IAA) and naphthalene acetic acid (NAA) to enable stronger growth and improve nutrient uptake.

BIONAT-NT induces resistance towards nematodes, nematode eggs, termites, root larvae, exerts its actions in various ways parasitisation, antagonism, production of secondary metabolites, competition for space and nutrients, and also performs phytostimulation, biodegradation and mobilisation of phosphates

The powder formulation allows easy storage, giving the product a longer *shelf life*.



Bag
1 Kg



Fertigation



Water-soluble
powder

APPLICATION AND DOSAGE

The recommended dosage should only be considered as a reference, carry out small tests to set the right dosage according to soil and infestation pressure.

DOSAGE

CULTIVATION	FERTIGATION	PERIOD
Orchard, Vineyard, Olive tree	3-5 kg./ha	apply in accretion and filling
Leafy vegetables/ fruiting vegetables	1-2 kg./ha	2 / 3 operations every 15 days from sowing/transplanting
Small Fruits	1-2 kg./ha	2 / 3 operations every 15 days from sowing/transplanting

BIONAT-NT used in a mixture with 7.5 kg/ha of **KINETICK18**, improves performance; dilute the products in water and irrigate the soil near the roots of each plant. For a good result it is essential to moisten the soil before application and keep it moist for at least 5 days.

PRODUCT WITH PGPR ACTION

Inoculation of mycorrhizal fungi

Type of organic soil improver: simple non-composted vegetable soil improver

Mycorrhiza content

Rhizosphere bacteria content

Thricoderma content

0,5%

2x10⁸ UCF/gr

2x10⁷ UCF/gr

ADVANTAGES

- * Increases root system mass Improves efficiency and nutrient uptake
- * Improves resistance to major fungal root diseases
- * Supports growth under intense metabolic and environmental stress
- * Improves soil structure and yield in terms of size, quality and flavour
- * Induces resistance against the proliferation of nematodes and soil insects

WARNINGS

- * Dissolve in water and allow to stand for a few hours before use
- * Before treating, irrigate with 2 l/m² of water
- * In fertirrigation apply with a hose, or sprinkle with 1 l/m² of water
- * Treat during the cool hours of the day
- * Do not mix with cupric products, fungicides and antibacterials; when mixing with other products, test on a small scale to verify the incidence of the product as it may increase the effectiveness of the penetration of the added product
- * Do not apply fungicides/chemical bactericides at least one week before and after application
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-20 °C protected from sunlight
- * The product is not combustible



PROPOLIS BIO

NATURAL CORROBORANT
FOR PLANT PROTECTION



FEATURES

PROPOLIS BIO is derived from Propolis, a natural substance produced by bees that collect resinous substances from the buds and bark of plants, which they process with the addition of wax, pollen and enzymes. It is rich in flavonoids, flavones, vitamins (groups B, C, E) and other important trace elements, and glycolic extraction preserves its characteristics.

The flavonoid content has a plant-stimulating and strengthening effect on plants, stimulates bud growth, fruit set and initial fruit development, and activates fundamental metabolic functions such as respiration.

PROPOLIS BIO exerts a great attractive effect on pollinating insects (bees and bumblebees), promoting pollination promotes the healing of wounds caused by weathering, pruning and grafting, protecting the plant from the entry of adverse pathogens.

Used in a mixture with sulphur-based products, copper salts and endothermic fungicides, it acts as an enhancer of plant defences against fungal and bacterial attacks, and is particularly active in preventing and treating cryptogamic diseases caused by fungi such as peach blisters, powdery mildew, virosis, bacterial blight, scab, gummosis, coryneous, and collar rot of fruit and vegetable plants, propolis is also effective in deterring pest attacks.

PROPOLIS BIO improves the preservation of fruit after harvest and reduces the possibility of rot. The most important interventions are those in pre-flowering, at petal fall, in pre-harvest, in case of hailstorms or strong pest attacks.

The product contains a unique nano-technological carrier, which enhances the absorption penetration action for greater efficiency towards the target, compared to normal fertilisers.



Bottle
1 lt



Foliar
application



Liquid
solution



DOSAGE

The frequency and number of applications may vary depending on environmental conditions and vegetative development. Does not have a deficiency period. Non-toxic.

CULTIVATION	APPL. LEAF	PERIOD
Horticulture	200-250 ml/hl if used alone 150-200 ml/hl if mixed with fungicides	pre-flowering, petal fall, pre-harvest in case of hailstorms or strong pest attacks
Fruitculture	200-250 ml/hl if used alone 150-200 ml/hl if mixed with fungicides	pre-flowering, petal fall, pre-harvest in case of hailstorms or strong pest attacks.
Floriculture	200-250 ml/hl if used alone 150-200 ml/hl if mixed with fungicides	pre-flowering, petal fall, pre-harvest in case of hailstorms or strong pest attacks
Vineyard	200-250 ml/hl if used alone 150-200 ml/hl if mixed with fungicides	pre-flowering, petal fall, pre-harvest in case of hailstorms or strong pest attacks

COMPOSITION

Flavonoid-resin extract from propolis in glycol containing only the active propolis fraction consisting of flavones, flavonoids, vitamins and trace elements, benzoic acid, ferulic acid, galangin, pinocembrin, caffeic acid, cinnamic acid, mineral salts.

Bee propolis	w/w 10%
Propylene glycol	< 90%
Distilled water	< 10%
Propol weight/volume ratio	100 gr/lt

ADVANTAGES

- * Promotes rapid healing of wounds caused by weathering, pruning and grafting
- * It attracts pollinating insects, promotes pollination.
- * Stimulates bud growth, fruit set and fruit development Reduces dropouts
- * Boosts the plant's defences against fungal and bacterial attacks No deficiency time, non-toxic
- * Improves the shelf-life of fruit and increases the shelf-life of produce

WARNINGS

- * Shake well before use
- * The product has no contraindications with other formulations, but it is always advisable to carry out small tests for compatibility
- * Distribute the product during the cooler hours of the day
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 5-25 °C protected from sunlight
- * The product is not combustible



FEATURES

consists of an aqueous suspension of rock flour (kaolin) from careful mechanical grinding, which enables us to achieve the highest degrees of purity and grain size. It is a natural enhancer of the plants' natural defences and allows the coating of the plants to counteract thermal stress (protective film from sunlight), reducing overheating of the fruit and avoiding sunburn. The protective film filters out 'harmful' rays without limiting photosynthetic activity, thus improving chlorophyll photosynthesis and reducing water loss through leaf transpiration resulting in more luxuriant vegetation. The reflective properties and colour of **CAOLIFLOW** create a visual disturbance to insects, affecting their orientation and ability to recognise fruit. The product protects against the attack of olive, fruit and nut flies, vine leafhopper, pear tree psyll, and creates an unfavourable environment for egg laying and phytophagous insects.

CAOLIFLOW is a pre-diluted product to be mixed with water directly in the barrel, facilitates and improves the treatment management (avoiding dust), it is applied on the vegetation leaves and fruit, in case of medium-sized rainfall events, its composition ensures a longer persistence on the plant.



Tank
5-20 lt



Foliar
application



Liquid
solution

DOSAGE

The frequency and number of applications may vary depending on environmental conditions and the presence of insects.

CULTIVATION	APPL. LEAF	PERIOD
Olive, Vineyard, Kiwi, Fruit trees	5-10 kg/hl	fruit formation and repeat every 20-25 days
Watermelon, Melon, Tomato Peppers, Vegetables	4-8 kg/hl	fruit formation and repeat every 20-25 days

After an initial application at the doses indicated, it is advisable to adjust the quantity according to the coverage desired, repeat in the event of heavy rainfall.

COMPOSITION

Rock powder in aqueous solution
Relative density at 20 °C

50 (% w/w)
1,35-1,4 kg/lt

Product obtained by mechanically grinding kaolin free of pollutants

ADVANTAGES

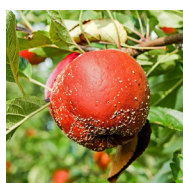
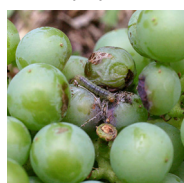
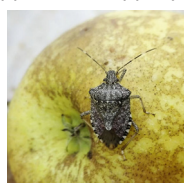
- * Reduces heat stress on plants and fruit
- * Reduces water loss through foliar transpiration
- * Protects against the attack of various insects

WARNINGS

- * To obtain an optimal product, pour some water into the bottom of the barrel, turn on the agitator, pour in the kaolin and add the remaining water.
- * Distribute the product during the cooler hours of the day
- * Avoid dripping on plants
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 10-30 °C protected from sunlight
- * The product is not combustible

DIFENCE

Olive fly Cicada Asian longhorn beetle Apple moth Apple psyll Pear psyll





ZEOTEK

NATURAL CORROBORANT
FOR PLANT PROTECTION



FEATURES

ZEOTEK is a natural chabasite with a highly porous, hydrated honeycomb structure. Foliar application creates a protective veil on the leaf surface, a hydrophobic and abrasive patina that hinders fungal and bacterial growth and egg deposition.

ZEOTEK hinders the movement of eriophid mites, as the lamellar and needle-like shape of the particles limits their reproduction, as the eggs, laid on the thin layer of microparticles, do not develop. Distributed over the vegetation, it confuses the visual and tactile receptors of the insects, which cannot recognise the target plants: olive fly, fruit fly, lepidoptera, locusts.

ZEOTEK has a strong dehydrating and solution-absorbing action and facilitates healing of plant tissue in the case of wounds caused by biotic and abiotic factors such as: hail, cultivation practices such as pruning, fruit picking, insects, bud growth and breakage.

ZEOTEK does not contain sodium, it variably increases the persistence of crop protection agents and especially of cupric and sulphur-based crop protection agents by limiting their leaching and better distributing the particles, it can prolong the effect of cupric products up to 10-12 days longer than conventional treatment, and it also allows the minimum dose indicated on the label to be used. In the soil, it has an excellent draining effect, on the one hand preventing water stagnation and root rot, and on the other hand saving water because it releases water together with fertilisers, as needed by the plant.

ZEOTEK reduces sun damage as it is distributed over the vegetation and filters out 'harmful' rays without limiting photosynthetic activity;



Bag
25 kg



Pallet
1250 kg



Foliar
application



Micronized
powder

DOSAGE

CULTIVATION	APPL. LEAF	PERIOD
Floriculture	3/6 kg in 500 litres of water/ha	Up to 2 treatments per week to invigorate plants
Fruitculture	3/6 kg in 500 litres of water/ha	Every 10/14 days from flowering until harvest - on fruit 3 treatments until veraison
Horticulture	3/6 kg in 500 litres of water/ha	Every 7/12 days Post-flowering fruit swelling
Vineyard	3/6 kg in 500 litres of water/ha	From vegetative regrowth every 7-12 days, - on cluster 3 treatments until veraison

COMPOSITION

Water-soluble micronised chabasite Elemental percentage by weight

Silica (SiO₂)

54%

Aluminium Oxide (Al₂O₃)

16%

Calcium oxide (CaO)

5.5%

Potassium Oxide (K₂O)

6.5%

Ferric Oxide (Fe₂O₃)

4.0%

Magnesium Oxide (MgO)

1.7%

pH

7.8

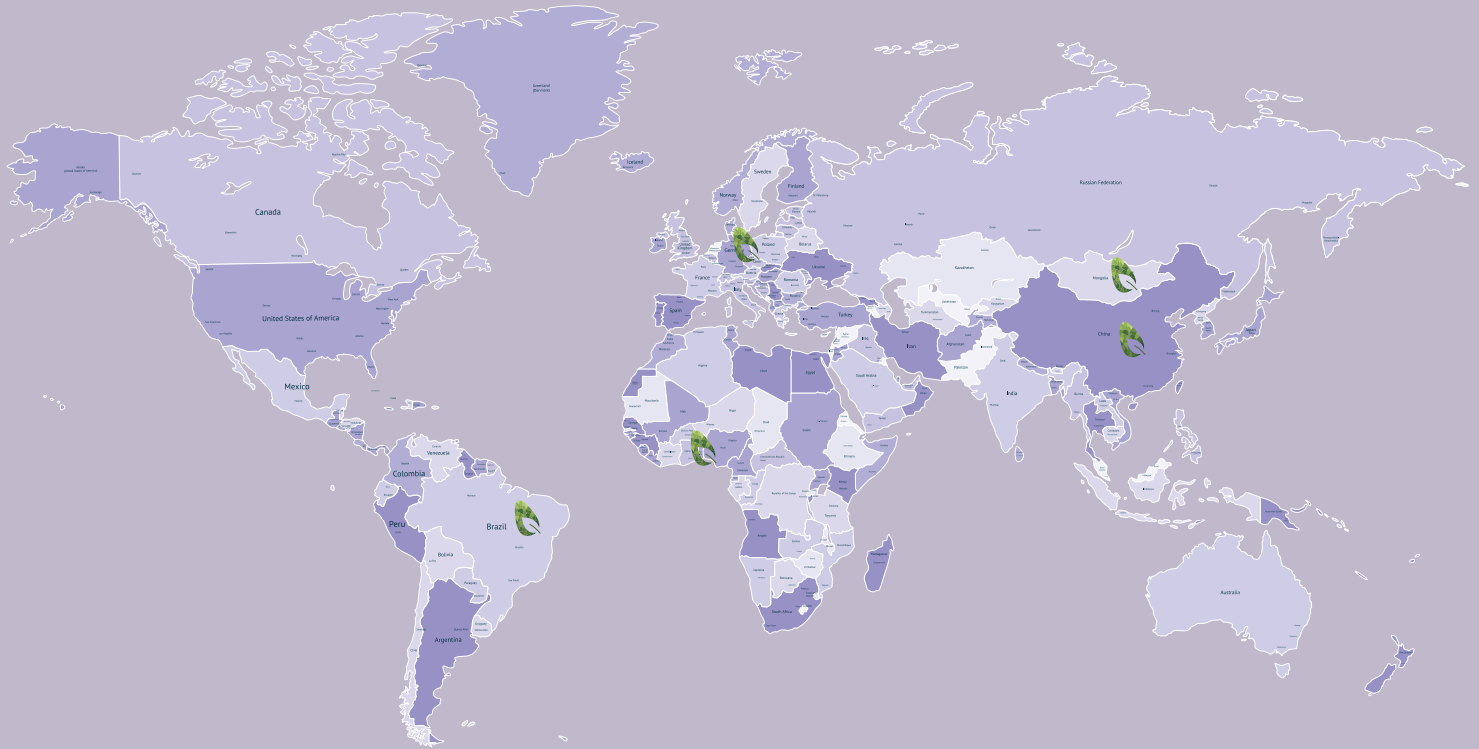
ADVANTAGES

- * Support for fungicides, pesticides, insecticides
- * Protects against sunlight and high temperatures
- * Protects leaves and fruit from fungal growth
- * Protects against insect attack
- * Combined with Propolis Bio facilitates tissue healing
- * Increased water savings

WARNINGS

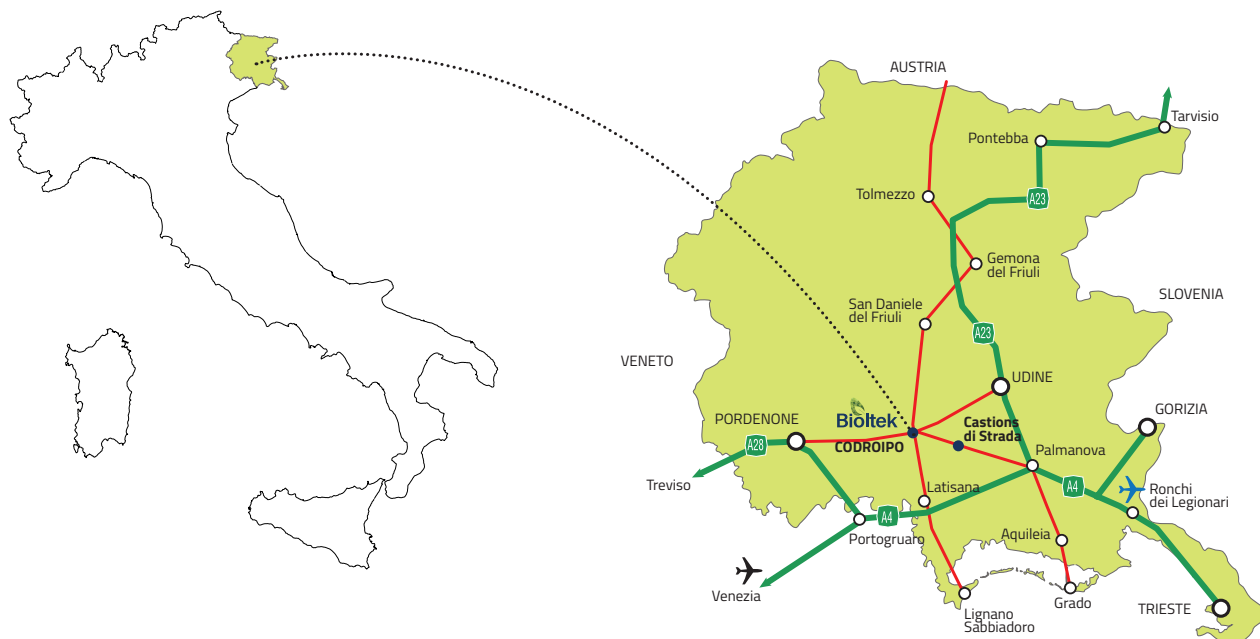
- * Pre-mixing the powder with water using suitable equipment
- * The product has no contraindications with other formulations, but it is always advisable to carry out small assays to check its compatibility
- * Distribute the product during the cooler hours of the day
- * Avoiding the dripping of plants
- * The product is stable at ordinary temperatures and pressures
- * Store at temperatures between 5-30 °C protected from sunlight
- * The product is not combustible

DISTRIBUTORS



BIOLTEK distributes its products in different parts of the world Europe, Asia, South America and Central Africa

WHERE WE ARE



COLLABORATIONS



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