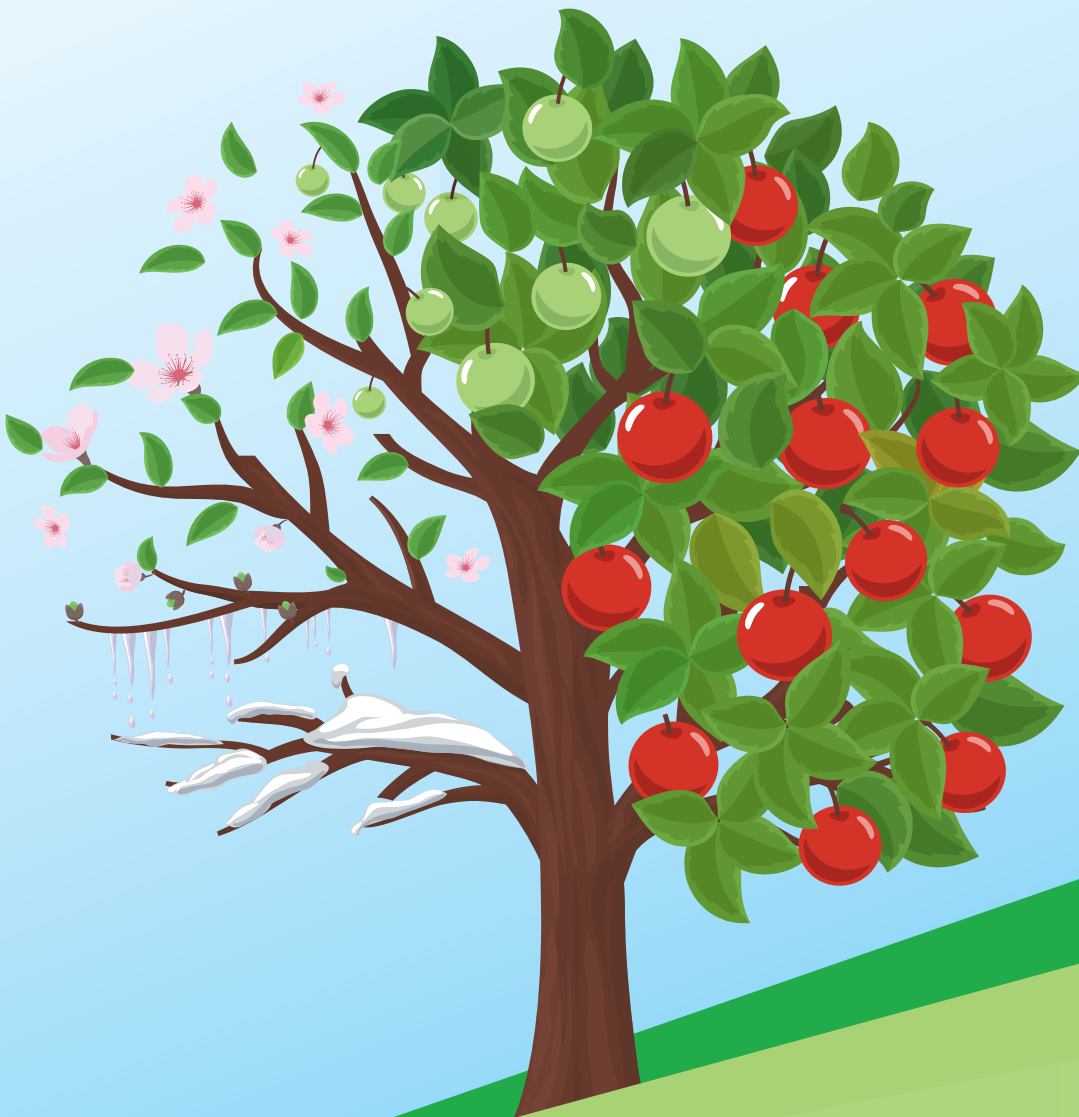


# **HUMOFERT**



## PRODUCT CATALOGUE



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# BIOTECHNOLOGY PRODUCTS



A close-up photograph of a blue plastic seedling tray filled with dark soil. Numerous small, light green seedlings with two rounded leaves are growing in the individual compartments. The seedlings are at various stages of growth, with some showing emerging stems and buds. The background is a soft-focus view of the rest of the tray.

# **BIOTECHNOLOGY PRODUCTS**

## **Rooting Formulations**

# Rizobac

MICROBIAL INOCULANT &  
NATURAL ROOTING BIOSTIMULANT



**Rizobac** is a product which combines the properties of a soil beneficial bacteria inoculant with those of a natural rooting biostimulant. The microorganisms contained in **Rizobac**, in combination with its rich in nutrients substrate, create an excellent environment in the soil, which promotes rooting and root system function, enhances plants nutrition and fortifies plants resistance against stress caused by various factors.

## STANDARD ANALYSIS

- Beneficial soil bacteria at a population of  $1 \times 10^{11}$  cfu\*/l (*Bacillus subtilis*, *Bacillus pumillus*, *Bacillus licheniformis*, *Bacillus megaterium*, *Azotobacter*)
- Natural plant growth regulators (cytokinins, auxins, gibberellins, betains)
- Vitamins (including B12, B2 and C)
- Amino acids
- Mono- and oligo- saccharides
- Polysaccharides
- Trace elements (Fe, Mn, Cu, Mg, Zn, Ca, B, S)
- Humic and fulvic acids
- Oils

## CROPS

- Vegetables - Horticulture
- Legumes
- Trees - Vineyard
- Ornamental plants
- Strawberry
- Tobacco
- Aromatic plants
- Potato
- Lawn
- Nurseries - Seedbeds

\*cfu: colony forming units

## PROPERTIES

### Microbial inoculant

- It enriches soil with beneficial microorganisms which become plant symbiots and produce metabolites which promote root system growth.
- It acts as a root system protective shield, which enhances plants tolerance to stress caused by environmental and biotic factors.
- It improves soil biological structure.
- It contributes to the development of highly productive plants, with enhanced tolerance to adverse conditions.

### Rooting stimulant

- Excellent rooting biostimulant for all types of plantlets.
- It ensures fast and secure establishment of all transplanted crops to the field.
- It improves soil physicochemical properties, promoting root penetration even to compact soils.
- It enhances cation exchange capacity (CEC) between roots and soil.
- It accelerates cellular processes (meiosis and mitosis) which result in root tissue growth.



Certified in Organic Agriculture



## PACKAGES

Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 4 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# RizoMyc

BIOACTIVE MICROBIAL  
ROOT STIMULANT



Certified in Organic  
Agriculture



Enhances  
plants  
robustness

**RizoMyc** is a bioactive microbial solution which contains spores and hyphae of endomycorrhizal fungi of the genus *Glomus* sp., that enhance root growth and elongation, facilitating this way nutrients and water uptake by the plant. In addition, it contains beneficial rhizosphere bacteria and soil fungi which excrete substances that contribute to the formation of new rootlets, to the growth of the plant and the acquisition of resistance against various environmental and biotic factors.

### STANDARD ANALYSIS

- Endomycorrhizae (*Glomus intraradices*, *G. clarum*, *G. mosseae*) .....1x10<sup>5</sup> cfu\*/lt
- Beneficial bacteria (*Bacillus megaterium*, *Azotobacter* sp.) .....1x10<sup>11</sup> cfu/lt
- Beneficial fungi (*Trichoderma harzianum*).....1x10<sup>11</sup> cfu/lt

### CROPS

- Vegetables - horticulture
- Cereals
- Aromatic plants
- Legumes
- Cotton, oilseed rape, sunflower
- Potato
- Ornamental bushes - Flowers
- Fruit trees

\*cfu: colony forming units

### PROPERTIES

- It elicits root growth and promotes its penetration into the soil.
- It increases nutrients and water uptake by plants root system.
- It supplements plants nutrition in nitrogen, phosphorus and trace elements.
- It increases plants tolerance to drought.
- It enhances plants vigor.
- It improves soil structure and architecture.
- It increases the beneficial microbial population of the soil.
- It limits root rots.
- It accelerates plants growth rate.
- It increases yields.
- It does not disturb the balance of the ecosystem.



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Bacta-Mix

SOILACTIVATOR  
WITH BENEFICIAL BACTERIA



Certified in Organic Agriculture

**Bacta-Mix** is a soil activator in the form of water soluble powder which contains spores of beneficial soil bacteria. The role of these bacteria in the soil is versatile. Bacilli *Bacillus pumilus*, *Bacillus subtilis*, *Bacillus licheniformis*, *Bacillus megaterium* produce auxins and other phytohormones that help in the creation of a large and dense tassel in the root. The strain *Bacillus Megaterium vP* produces substances which dissolve the insoluble in water soil phosphorus, converting it into forms easily assimilated by plants. *Azotobacter* bacteria bind atmospheric nitrogen and release it in the form of ions, which is then converted in nitrate form and absorbed by plants.

**STANDARD ANALYSIS**

- Beneficial soil bacteria in population of  $5 \times 10^9$  cfu\*/g
- Organic Nitrogen (N): 5.50%

**CROPS**

- Open field vegetables
- Green house vegetables
- Leafy vegetables
- Legumes
- Aromatic plants
- Strawberry
- Trees
- Vineyard
- Ornamental plants
- Nurseries
- Seedbeds
- Lawn

**PROPERTIES**

- It stimulates and promotes the growth of the root system.
- It contributes to the increase of plants productivity.
- It enhances plants vigour.
- It promotes crops growth.
- It increases gradually soil content in nitrogen and assimilable phosphorus.
- It improves soil conditions for the growth of productive and healthy plants.
- It facilitates root penetration.
- It increases nutrient and water uptake by plants.



**PACKAGES**

Al. Foil bag	20 g	pack of 16 pieces
*Al. Foil bag	250 g	box of 24 pieces
*Al. Foil bag	1 Kg	box of 10 pieces
*Plastic Pail	5 Kg	-
*Cart Box	20 Kg	-

\*Available upon request

\*cfu: colony forming units

A close-up photograph of a pea plant. The image shows several bright green, fuzzy pea pods (siliques) attached to a stem. The leaves are also green and have a slightly fuzzy texture. The background is a soft-focus view of more of the plant, creating a sense of depth. The overall color palette is dominated by various shades of green.

# **BIOTECHNOLOGY PRODUCTS**

## **Nitrogen Fixation Formulations**

# AzoSpir

SOIL ACTIVATOR WITH  
BENEFICIAL NITROGEN FIXING BACTERIA



Certified in Organic  
Agriculture

**AzoSpir** is a microbial soil inoculant containing beneficial nitrogen-fixing bacteria. Actually, it contains bacteria of the genus *Azospirillum*, which are symbiotic bacteria found naturally on roots and root hairs of plants and bacteria of the genus *Azotobacter*, which are free-living soil bacteria. These bacteria bind the atmospheric nitrogen and convert it to ammonia and, simultaneously, produce substances (IAA, GA) which enhance growth and health of the root system. **AzoSpir** contains an ideal combination of organic plant nutrients which is used as a nutrient substrate by the beneficial nitrogen-fixing bacteria. Last, the nutrient content of **AzoSpir** improves the physico-chemical properties of soil.

### STANDARD ANALYSIS

- Beneficial soil bacteria in population of  $2 \times 10^{12}$  cfu\*/l (*Azospirillum*, *Azotobacter*)
- Humic acids
- Amino acids
- Sugars
- Natural plant growth substances

### CROPS

- Cereals
- Rice
- Vegetables-Horticulture
- Trees
- Vineyard
- Ornamental plants
- Ornamental bushes

\*cfu: colony forming units

### PROPERTIES

- It increases gradually the soil content in readily available to plants nitrogen, providing a stable growth to crops.
- It restricts the use of chemical nitrogen fertilizers, contributing to the protection of the environment.
- It contributes to a better air circulation in the soil and an enhanced penetration of the root system.
- It improves physicochemical soil properties.
- It enriches soil with organic matter which is vital for beneficial microbial populations.
- It enhances cation exchange capacity of roots.
- It increases significantly seeds germination.
- It enriches soil with beneficial microorganisms which live in symbiosis with plants and produce substances that assist with the growth of their root system.
- It increases crop yield and it contributes to the growth of productive plants with enhanced resistance under stress conditions.
- It increases the profit of the farmer.



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# AzoRiz

SOIL ACTIVATOR WITH  
BENEFICIAL NITROGEN FIXING BACTERIA



**bio**  Certified in Organic Agriculture

**AzoRiz** is a microbial soil inoculant containing beneficial nitrogen-fixing bacteria. Actually, it contains bacteria of the genus *Rhizobium* which are symbiotic bacteria found naturally on roots and root hairs of leguminous plants and bacteria of the genus *Azotobacter*, which are free-living soil bacteria. These bacteria bind the atmospheric nitrogen and convert it to ammonia and, simultaneously, produce substances (IAA, GA) which enhance growth and health of the root system. **Azoriz** contains an ideal combination of organic plant nutrients which is used as a nutrient substrate by the beneficial nitrogen-fixing bacteria. Last, the nutrient content of **Azoriz** improves the physico-chemical properties of soil.

### STANDARD ANALYSIS

- Beneficial soil bacteria in population of  $2 \times 10^{12}$  cfu\*/l (*Rhizobium*, *Azotobacter*)
- Humic acids
- Amino acids
- Sugars
- Natural plant growth substances

### CROPS

Legumes (Beans, Peas, Lentils, Chickpeas)  
Soya  
Peanut  
Clover  
Alfalfa  
Carrot  
Beetroot  
Sweet potato  
Oil seeds

\*cfu: colony forming units

### PROPERTIES

- It increases gradually the soil content in readily available to plants nitrogen, providing a stable growth to crops.
- It restricts the use of chemical nitrogen fertilizers, contributing to the protection of the environment.
- It contributes to a better air circulation in the soil and an enhanced penetration of the root system.
- It improves physicochemical soil properties.
- It enriches soil with organic matter which is vital for beneficial microbial populations.
- It enhances cation exchange capacity of roots.
- It increases significantly seeds germination.
- It enriches soil with beneficial microorganisms which live in symbiosis with plants and produce substances that assist with the growth of their root system.
- It increases crop yield and it contributes to the growth of productive plants with enhanced resistance under stress conditions.
- It increases the profit of the farmer.



### PACKAGES

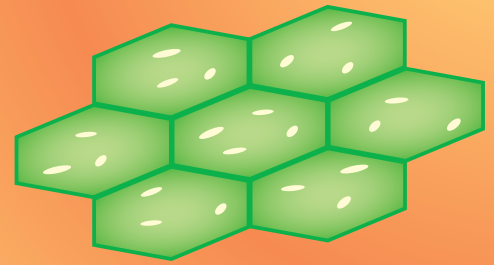
Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1,000 l	-	-

\*Available upon request



# NitroStim

MICROBIAL GROWTH BIOSTIMULANT



Certified in Organic Agriculture

**NitroStim** is a microbial solution which stimulates plants growth thanks to the activity of specific beneficial nitrogen fixing bacteria, which are capable of penetrating into the above-ground plants parts (phyllosphere) and of becoming endofytes. Nitrogen fixing phyllosphere endofytes fix atmospheric nitrogen and convert it into a readily assimilable by plants form, ensuring a fast, vivid and balanced growth.

**STANDARD ANALYSIS**

- Beneficial soil bacteria at a population of  $1 \times 10^{12}$  cfu\*/l

**CROPS**

- Vegetables-Horticulture
- Asparagus-Corn
- Legumes-Cabbages-Cauliflowers
- Strawberry
- Vineyard
- Citrus trees
- Pome trees
- Stone fruits
- Nut trees
- Lawn-Urban green
- Pastures-Fodders
- Ornamental plants-Bushes

**PROPERTIES**

- It stimulates crops growth by providing constantly readily available nitrogen via nitrogen fixation, by producing phytohormones and by increasing the uptake of nutrients by leafage.
- It enforces plants against unfavourable environmental factors, such as drought, salinity etc.
- It increases plants resistance against biotic stress factors.
- It limits nitrogen fertilizers use.
- It contributes to the reduction of environmental pollution with nitric salts from the application of chemical fertilizers.
- It increases crops yields.



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*cfu: colony forming units

\*Available upon request



# **BIOTECHNOLOGY PRODUCTS**

## **Phosphate Solubilization Formulations**

# PhosBactin

SOIL ACTIVATOR WITH BENEFICIAL PHOSPHATE SOLUBILIZING BACTERIA



Certified in Organic Agriculture

**PhosBactin** is a microbial soil inoculant, which contains beneficial bacteria capable of dissolving and mobilizing mineral soil phosphorus. More precisely, it contains free-living soil bacteria that dissolve soil phosphorus, converting it into a readily available to plants form. In parallel, they produce substances (IAA, GA) which promote growth and health of the root system. **PhosBactin** contains an ideal combination of nutrients which serves as a substrate for the beneficial bacteria, in order to exit dormancy and proliferate. In addition, the nutrient content of **PhosBactin** improves the physicochemical properties of soil.

### STANDARD ANALYSIS

- Beneficial soil bacteria at a population of  $2 \times 10^{12}$  cfu\*/l (*Bacillus megaterium* vP, *Pseudomonas putida*, *Pseudomonas fluorescence*)
- Humic acids
- Amino acids
- Sugars
- Natural plant growth substances

### CROPS

- Cereals
- Rice
- Vegetables-Horticulture
- Trees
- Vineyard
- Ornamental plants
- Ornamental bushes

\*cfu: colony forming units

### PROPERTIES

- It solubilizes and mobilizes soil mineral phosphorus.
- It restricts phosphate fertilizers use, reducing the cost of fertilization.
- It converts the phosphorus of fertilizers from an insoluble and immobile form into a soluble and readily available to plants form.
- It contributes to a better air circulation in the soil and an enhanced penetration of the root system.
- It reduces soil erosion and improves soil structure.
- It enriches soil with organic matter which is vital for beneficial microbial populations.
- It enhances cation exchange capacity between roots and soil.
- It enriches soil with beneficial microorganisms which live in symbiosis with plants and produce substances that promote the growth of their root system.
- It increases crop yield and contributes to the growth of productive plants with high resistance to diseases.



### PACKAGES

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l		-
Plastic Cont.	20 l		-
*Plastic Drum	200 l		-
*Pl. Tank (IBC)	1,000 l		-

\*Available upon request



# **BIOTECHNOLOGY PRODUCTS**

## **Stress Recovery Formulations**

# SUCCOR 2-3-2

MICROBIAL SOLUTION - ORGANIC FERTILIZER



Certified in Organic Agriculture

**Succor** is a unique liquid microbial solution which contains the spores of beneficial soil bacteria. The bacteria of **Succor** are natural root symbionts belonging to *Bacillus subtilis* species. The bacillus contained in **Succor** colonizes fast the soil and the roots and produces enzymes and metabolic products similar to auxines, which promote rooting, plant growth and vigor and enhance its resistance against intense stress conditions.

### STANDARD ANALYSIS

- Soil Beneficial Bacteria (*Bacillus*) at a population of  $1.45 \times 10^{10}$  cfu\*/lt
  - Nitrogen (N) ..... 2.0 %
  - Phosphorus (P<sub>2</sub>O<sub>5</sub>) ..... 3.0 %
  - Potassium (K<sub>2</sub>O) ..... 2.0 %
- Others: Sucrose, Saccharides, Condensed Enzymatic Plant Extracts, Natural Organic Chelating Agents, Natural Wetting Agent.

### CROPS

- Vegetables - Horticulture
- Ornamentals
- Trees
- Vine
- Banana
- Strawberry
- Grass
- Herbs
- Nurseries

\*cfu: colony forming units

### PROPERTIES

- It enhances plant resistance against soil born fungal pathogens (such as fusarium, phytophthora, rhizoctonia, alternaria, pythium, anthracnose and sclerotinia).
- The bacteria produce substances which enhance plants cellular processes.
- The bacteria form colonies on roots and root hairs, limiting the access points for other microorganisms (mainly soil fungi) to the root.
- It provides readily available nutrients (nitrogen, phosphorus, potassium) to plants.
- It reinforces the root system.
- It promotes plant growth.
- It increases crop's yield.



Enhances plants robustness



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Bactilis 3-0.5-1

MICROBIAL INOCULANT - ORGANIC FERTILIZER - SOIL AMENDMENT

**Bactilis** is a liquid microbial inoculant containing beneficial bacteria of the genus *Bacillus* in a rich in nutrients liquid substrate. **Bactilis** contains spores of the following bacteria: *Bacillus subtilis* GB03, *Bacillus subtilis* and *Bacillus pumilus*. As soon as **Bactilis** is applied to the soil, the spores germinate and the bacteria soon colonize the plant root. Then they start producing secondary metabolites which improve rooting, plant growth and vigour and additionally, they fortify the robustness of the root system against biotic and environmental factors during stress periods.

**STANDARD ANALYSIS**

- Beneficial soil bacteria (*Bacillus sp.*) at a population of  $1.5 \times 10^{10}$  cfu\*/l
  - Nitrogen (N) ..... 3.0 %
  - Phosphorus (P<sub>2</sub>O<sub>5</sub>) ..... 0.5 %
  - Potassium (K<sub>2</sub>O) ..... 1.0 %
- Other: Mono- and Oligo-saccharides, Condensed Fermented Extracts, Dextrose, Natural Soil Amendments, Natural Wetting Agent

**CROPS**

- Vegetables-Horticulture
- Legumes
- Strawberry
- Trees-Vineyard
- Nurseries
- Lawn
- Hydroponics
- Shrubs-Vine plants
- Ornamental plants-Bushes

\*cfu: colony forming units

**PROPERTIES**

- It helps plants recover from infection by root pathogenic fungi (such as fusarium, phytophthora, rhizoctonia, alternaria, pythium, anthracnose and sclerotinia).
- It enhances the cellular processes that take place at the below ground part of plants.
- It provides nutrients (nitrogen, phosphorus, potassium) to plants at a readily assimilable form.
- It improves the physicochemical properties of soil.
- It increases the natural microflora of soil.
- It assists in the chelation of mineral nutrients of soil.
- It enhances plant growth.
- It increases crop yield.



Certified in Organic Agriculture



Enhances plants robustness



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



# Bactilis-S

SOILACTIVATOR  
WITH BENEFICIAL BACTERIA



Certified in Organic  
Agriculture



Enhances  
plants  
robustness

**Bactilis-S** is a soil activator - organic fertilizer in the form of water soluble powder, containing spores of beneficial soil bacteria. **Bactilis-S** contains the following root-symbiotic bacteria species: *Bacillus pumilus*, *Bacillus subtilis* and the bacterial strain *Bacillus subtilis* Gb03.

The beneficial bacteria of **Bactilis-S** create a symbiotic relation with the root system and ideal growth conditions for the roots, while they limit the accessible sites for pathogens.

### STANDARD ANALYSIS

- Beneficial soil bacteria at a population of  $7,5 \times 10^8$  cfu\*/g

### CROPS

Vegetables-Horticulture  
Legumes  
Strawberry  
Trees-Vineyard  
Nurseries-Seedbeds  
Shrubs-Vine plants  
Lawn  
Hydroponics  
Ornamental plants-Bushes

### PROPERTIES

- It helps plants recover from infection by root pathogenic fungi (such as fusarium, phytophthora, rhizoctonia, alternaria, pythium, anthracnose and sclerotinia).
- It enhances the cellular processes that take place at the below ground part of plants.
- It improves the physicochemical properties of soil.
- It increases the natural microflora of soil.
- It assists in the chelation of mineral nutrients of soil.
- It enhances plant growth.
- It increases crop yield.



### PACKAGES

Al. Foil bag	20 g	pack of 16 pieces
*Al. Foil bag	250 g	box of 24 pieces
*Al Foil bag	1 kg	box of 10 pieces
*Plastic Pail	5 kg	-
*Cart Box	20 kg	-

\*Available upon request

\*cfu: colony forming units

# Mega-Pro 3-0.5-1

MICROBIAL INOCULANT - ORGANIC FERTILIZER - SOIL AMENDMENT

**Mega-Pro** is a composite product, combining the properties of an organic fertilizer, a soil amendment and a microbial inoculant. Once **Mega-Pro** is applied to the soil, the bacterial spores it contains germinate and they soon colonize plant roots. There, they produce enzymes and secondary metabolites that act as growth-promoting factors, which improve rooting, plant growth and vigor and also enhance the resistance of the root system under stress conditions caused by various biotic and environmental factors.

**STANDARD ANALYSIS**

- Beneficial soil bacteria (*Bacillus sp.*) in population of  $1 \times 10^{11}$  cfu\*/l
  - Nitrogen (N) .....3.0 %
  - Phosphorus (P<sub>2</sub>O<sub>5</sub>) .....0.5 %
  - Potassium (K<sub>2</sub>O) .....1.0 %
- Other: Mono- and Oligo-saccharides, Condensed Fermented Extracts, Dextrose, Natural Soil Amendments, Natural Wetting Agent

**CROPS**

- Tomatoes
- Peppers
- Eggplants
- Cucumbers
- Melons
- Squashes
- Other fruit vegetables
- Nurseries

\*cfu: colony forming units

**PROPERTIES**

- It enhances plants resistance against soil born pathogenic fungi (especially against *Pyrenochaeta lycopersici* on tomato) and environmental stress factors.
- It enhances the cellular processes which take place in the above ground part of plants.
- It provides nutrients (nitrogen, phosphorus, potassium) to plants at a readily assimilable form.
- It improves the physicochemical properties of soil.
- It increases the natural microflora of soil.
- It contributes to the chelation of soil mineral nutrients.
- It enhances plant growth.
- It increases crop yields.



Certified in Organic Agriculture



Enhances plants robustness



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



# BIONEM

MICROBIOLOGICAL SOIL AMENDMENT



Certified in Organic Agriculture



Enhances plants robustness

**BIONEM** is a soil amendment solution containing beneficial soil microorganisms which contribute to the degradation of organic matter and the creation of optimal conditions for root growth. In parallel, the liquid nutrient substrate where the microorganisms are contained, includes substances that improve the physicochemical properties of soil, increase its fertility and help obtain high yield crops.

### STANDARD ANALYSIS

- Beneficial soil microorganisms (fungi) at a population of  $1 \times 10^{12}$  cfu\*/lt
- Others: Polysaccharides, Oligosaccharides, Amino acids, Trace elements and Macronutrients

### CROPS

- Vegetables
- Horticulture
- Herbs
- Aromatic plants
- Pistachios
- Ornamental plants
- Grasslands
- Fruit trees
- Tuberous crops

\*cfu: colony forming units

### PROPERTIES

- It enhances plants resistance against pathogenic nematodes.
- It increases the beneficial microbial population of soil.
- It enhances soil beneficial microorganisms activity.
- It improves the biological structure of soil.
- It restricts the possibility of plants losses and of reduced plant productivity.
- It enhances cation exchange capacity.
- It allows a better soil air circulation around roots.



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# BIONEM-S

SOILACTIVATOR  
WITH BENEFICIAL FUNGI



Certified in Organic  
Agriculture

**BIONEM-S** is a soil activator in the form of water soluble powder, containing beneficial soil microorganisms which aid in the degradation of the organic matter and the creation of optimal growing conditions of the roots.

### STANDARD ANALYSIS

- Beneficial soil microorganisms (fungi) at a population of  $5 \times 10^{10}$  cfu\*/g

### CROPS

Vegetables  
Horticulture  
Herbs  
Aromatic plants  
Peanuts  
Ornamentals  
Lawns  
Fruit trees  
Tuberous crops

### PROPERTIES

- It enhances plants resistance against pathogenic nematodes.
- It increases plants resistance against stress caused by biotic factors that affect the root.
- It improves soil conditions for the growth of productive and healthy plants.
- It promotes beneficial microbial soil population.
- It enhances the activity of soil beneficial microorganisms.
- It improves the biological structure of the soil.



Enhances  
plants  
robustness



### PACKAGES

Al. Foil bag	20 g	pack of 16 pieces
*Al. Foil bag	250 g	box of 24 pieces
*Al Foil bag	1 kg	box of 10 pieces
*Plastic Pail	5 kg	-
*Cart Box	20 kg	-

\*Available upon request

\*cfu: colony forming units

# Tri-ACTIVE

MICROBIAL SOLUTION  
GROWTH BIOSTIMULANT



Certified in Organic Agriculture



Enhances plants robustness

**Tri-ACTIVE** is a growth biostimulant, which ensures a robust growth of plants root system thanks to the various strains of *Trichoderma* fungus it contains. **Tri-ACTIVE** contains the conidia and the mycelium of beneficial *Trichoderma* strains, which colonize rizosphere straight after the application of the product and promote the growth of both under and above ground part of plants. In addition, they increase the assimilation of nutrients and water by plants, contributing this way to the improvement of crops nutrition and to the fortification of their resistance against various environmental and biotic stress factors.

**STANDARD ANALYSIS**

- Beneficial microorganisms in population  $>1.5 \times 10^{12}$  cfu\*/l
- Manganese (Mn) .....0.1 %

**CROPS**

- Vegetables - horticulture
- Cereals
- Aromatic plants
- Legumes
- Cotton, oilseed rape, sunflower
- Cardamom
- Beets
- Potato
- Ornamental bushes - Flowers
- Fruit trees

\*cfu: colony forming units

**PROPERTIES**

- It enhances plants resistance against soil born pathogenic fungi, (such as fusarium, rhizoctonia, botrytis, pythium, anthracnose, pyrinocheta and sclerotinia).
- It enhances plants resistance against adverse environmental conditions and salinity.
- It accelerates plants growth rate.
- It promotes growth of a healthy and voluminous root system.
- It enhances penetration of the root system, ensuring this way the proper establishment of plants in soil.
- It increases the amount of hair roots which reach a big depth and consequently it fortifies significantly crops resistance against drought.
- It increases the availability of soil nutrients, such as phosphorus, ferrum, copper etc.
- It increases crop yield.



**PACKAGES**

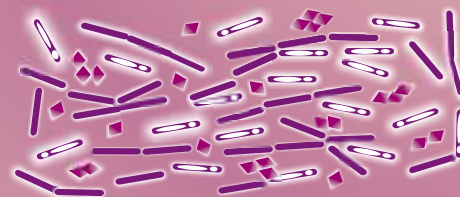
Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1,000 l	-	-

\*Available upon request



# Bactamin

MICROBIAL INOCULANT - GROWTH STIMULANT - LIQUID FOLIAR FERTILIZER



Certified in Organic Agriculture

**Bactamin** combines the properties of a growth biostimulant, an organic foliar fertilizer and a microbial inoculant. As soon as the microorganisms of **Bactamin** are applied to the leaves, they germinate and start releasing mineral nutrients readily assimilable by plants. Simultaneously, they enhance plant resistance during stress periods, while the nutrient substrate of **Bactamin** contributes to the nutrition and vigor of crops.

### STANDARD ANALYSIS

- Beneficial microorganisms of the genus *Bacillus* at a population of  $1 \times 10^{12}$  cfu\*/l
- Nitrogen (N) .....1.2 %
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) .....1.0 %
- Potassium (K<sub>2</sub>O) .....1.4 %
- Other: Mono- and Oligo-saccharides, Condensed Fermented Extracts, Dextrose, Amino acids, Trace elements, Organic Chelating Factors, Natural Wetting Agent

### CROPS

- Vegetables-Horticulture
- Vineyard
- Olive trees
- Citrus trees
- Pome trees
- Stone fruits
- Nut trees
- Forest trees
- Cotton-Corn
- Ornamentals

\*cfu: colony forming units

### PROPERTIES

- It prevents plants infestations by caterpillars (eg. moths, leaf rollers, leaf-feeding caterpillars, pink and green worms).
- It accelerates the biological processes that take place in the above ground part of plants and trees.
- It provides mineral nutrients (nitrogen, phosphorus, potassium) to plants at a readily assimilable form.
- It supplies plants with macro- and micro- nutrients, trace elements as well as other growth-promoting substances (amino acids, sugars, organic chelating factors).
- It assists with the chelation of soil mineral nutrients.
- It improves crops yield.
- It increases the profit of the farmer.



Enhances plants robustness



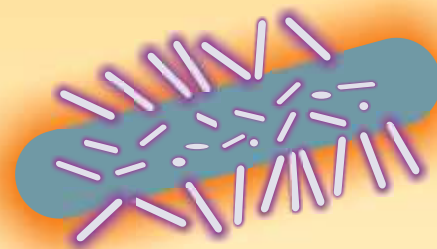
### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Leaf Power

MICROBIAL INOCULANT - GROWTH STIMULANT - LIQUID FOLIAR FERTILIZER



Certified in Organic Agriculture

**Leaf Power** is a composite product which combines the properties of a growth biostimulant, an organic foliar fertilizer and a microbial inoculant. **Leaf Power** contains beneficial microorganisms in the form of spores which exist naturally on the leaves, shoots and the rhizosphere of most plant species.

### STANDARD ANALYSIS

- Beneficial soil bacteria at a population of  $1 \times 10^{12}$  cfu\*/l
  - Nitrogen (N) ..... 1.2 %
  - Phosphorus ( $P_2O_5$ ) ..... 1.0 %
  - Potassium ( $K_2O$ ) ..... 1.4 %
- Other: Mono- and Oligo-saccharides, Condensed Fermented Extracts, Dextrose, Amino acids, Trace elements, Organic Chelating Factors, Natural Wetting Agent

### CROPS

- Vegetables-Horticulture
- Asparagus-Corn
- Legumes-Cabbages-Cauliflowers
- Strawberry
- Vineyard
- Citrus trees
- Pome trees
- Stone fruits
- Nut trees
- Lawn-Urban green
- Pastures-Fodders
- Ornamental plants-Bushes

\*cfu: colony forming units

### PROPERTIES

- It provides mineral nutrients readily assimilable by plants.
- It enhances plants resistance against pathogenic fungi (eg. botrytis, oidium, alternaria, peronospora and didymella) and pathogenic bacteria (eg. erwinia, xanthomonas etc) of the above ground plant part.
- The highly nutritive content of **Leaf Power** is an ideal food source for microorganisms and it stimulates spores germination and bacteria proliferation when applied on leaves and shoots.
- It accelerates the biochemical processes that take place in the above ground part of plants and trees.
- The nutrient substrate of **Leaf Power** offers plants macro- and meso- nutrients and trace elements as well as other substances which contribute to the nutrition and robustness of crops.
- It increases crop yield.
- It increases the profit of the farmer.



Enhances plants robustness



### PACKAGES

Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
*Plastic Cont. 10 l	-	-
*Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# BIOGUN

LIQUID GROWTH STIMULANT



Certified in Organic Agriculture



Enhances plants robustness

**BIOGUN** is a growth stimulant which contains beneficial microorganisms, that exist naturally on the leaves, the shoot and the rhizosphere of most plant species and offer readily available nitrogen. Furthermore, the beneficial microorganisms of **BIOGUN** contribute to the assimilation of nutrients by the cellular tissues of leaves, while they produce substances which enhance the resistance of plants against various environmental stress factors. In parallel, the liquid substrate of **BIOGUN** is rich in chelate manganese and oligosaccharides and therefore it contributes to the nutrition and vigor of crops.

### STANDARD ANALYSIS

- Beneficial microorganisms (bacteria and fungi) at a population  $>2 \times 10^{12}$  cfu\*/l
- Manganese (Mn) .....0.1 %

### CROPS

- Vegetables-Horticulture
- Fruit trees
- Ornamental plants
- Cotton
- Rice
- Maize
- Tobacco
- Sugarcane
- Tea crops
- Coffee - cacao
- Nurseries

\*cfu: colony forming units

### PROPERTIES

- It prevents plants infestations by various insects, such as whiteflies, beetles, aphids, caterpillars, acari and flies, affecting all their growth stages.
- It increases the beneficial microbial population of the foliage.
- It fortifies plants resistance against environmental stress factors.
- It promotes cellular division of plant cells and it contributes to crops growth.
- It corrects manganese deficiency in all crops.
- It provides plants with nutrients enhancing their vigor.
- It promotes chlorophyll synthesis as well as phosphorus and calcium availability to plants.



### PACKAGES

Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
*Plastic Cont. 10 l		-
*Plastic Cont. 20 l		-
*Plastic Drum 200 l		-
*Pl. Tank (IBC) 1,000 l		-

\*Available upon request

# BIOARM

LIQUID GROWTH BIOSTIMULANT



Certified in Organic Agriculture

**BIOARM** contains beneficial microorganisms that exist naturally on the leaves, the shoot and in the rizosphere of most plants species. The beneficial microorganisms of **BIOARM** contribute to the absorption of nutritional elements by the cellular tissues of leaves, while they produce substances that increase plants resistance against various environmental factors. At the same time, the liquid substrate of **BIOARM** is rich in chelate manganese and oligosaccharides, contributing to the nutrition and robustness of cultures.

**STANDARD ANALYSIS**

- Beneficial microorganisms >1 x10<sup>12</sup> cfu\*/lt
- Manganese (Mn) .....0.1 %

**CROPS**

- Vegetables
- Olive
- Citrus
- Pome trees
- Stone trees
- Nut trees
- Herbs - Medicinal plants
- Ornamental plants
- Fodders
- Biofuel plants
- Legumes
- Cotton
- Sugarcanes

\*cfu: colony forming units

**PROPERTIES**

- It prevents plants infestations by aphids, whiteflies , grasshoppers and root mealybugs.
- It enhances plants resistance against environmental stress factors.
- It supplies plants with nutritional elements, enhancing their robustness.
- It corrects manganese deficiency in all cultures.
- It promotes proteins and vitamins synthesis by the plant.
- It increases the beneficial microbial population of the foliage.



Enhances plants robustness



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200l	-
*Pl. Tank (IBC) 1,000l	-

\*Available upon request

# BIOMETA

LIQUID GROWTH BIOSTIMULANT



Certified in Organic Agriculture



Enhances plants robustness

**BIOMETA** is a growth biostimulant that contains beneficial microorganisms, which are normally found in the leaves and rhizosphere of most plant species. In addition, the beneficial microorganisms of **BIOMETA** contribute to the absorption of nutrients from the leaves and roots and at the same time produce substances that increase the resistance of plants to a variety of environmental factors.

**STANDARD ANALYSIS**

- Beneficial microorganisms at a population  $>2 \times 10^{12}$  cfu\*/lt
- Manganese (Mn) .....0.1 %

**CROPS**

- Vegetables - Horticulture
- Fruit trees
- Ornamental plants
- Cotton
- Rice
- Maize
- Tobacco
- Sugarcane
- Tea crops
- Coffee - Cacao
- Nurseries

**PROPERTIES**

- It prevents plants infestation by various insects such as beetles, aphids, caterpillars, acari and flies affecting all their growth stages.
- Provides plants with nutrients, enhancing their vigor.
- Activates and accelerates the biological processes of the plant.
- Promotes cell division of plant cells and contributes to the growth of crops. Increases the beneficial microbial population of the foliage and soil.
- Corrects manganese deficiency in all crops.
- Increases the resistance of the plant to stressors and environmental factors.
- It is an ecological preparation that does not disturb the balance of the ecosystem.
- It does not affect beneficial insects.



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*cfu: colony forming units

\*Available upon request



# BIOFROST

LIQUID MICROBIAL BIOSTIMULANT  
FOR FROST PROTECTION

**BIOFROST** is a biostimulant specifically designed to enhance plants' resistance to frost. It contains beneficial microorganisms that are naturally present on the leaves, shoot and rhizosphere of most plant species that thrive on low temperatures. **BIOFROST's** nutrient substrate also consists of natural substances that contribute in the protection of plant cells from damages caused by frost.

**STANDARD ANALYSIS**

- Beneficial microorganisms at a population  $>1 \times 10^{12}$  cfu\*/lt

**CROPS**

- Vegetables - Horticulture
- Asparagus - Maize
- Legumes - Cabbages - Cauliflowers
- Strawberry
- Vineyard
- Citrus trees
- Pome trees
- Stone fruits
- Nut trees
- Lawn - Urban green
- Pastures - Fodders
- Ornamental plants - Bushes

\*cfu: colony forming units

**PROPERTIES**

- Protects the fruits, flowers and shoots from frost.
- Increases plants' resistance to snow and frost.
- Allows plant tissues to function under low temperature conditions.
- Enhances the plants' potential to recover quickly from stress caused by cold.
- Reduces the possibility of total loss of production from prolonged cold.
- Reduces fruit degradation due to pathogen infections after frost.
- It is an ecological product that does not disturb the balance of the ecosystem.
- Does not affect beneficial insects.



Certified in Organic Agriculture



Enhances plants robustness



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



**BIOTECHNOLOGY  
PRODUCTS**

**Seed Coating  
Formulations**

# Starter

MICROBIAL INOCULANTS FOR SEEDS TREATMENT

**Starter** series includes microbial inoculants specific for the treatment of seeds of selected crops prior to sowing, aiming at the establishment of crop-specific, beneficial symbiotic bacteria. These bacteria increase seeds germination, promote plant growth, fix atmospheric nitrogen and convert it into a readily assimilable by plants form and induce nodules formation on the roots of legumes, leading to a robust crop and an increased harvest.

The Starter series is differentiated into:

• **Starter:** seeds biocoatings in fine powder form

• **Starter fluid:** seeds biocoatings in liquid form  
Also, in case that the above formulations contain plant health-promoting microbial groups, then the product lines are additionally labeled with the name **+plus** (eg **Soya Starter fluid +plus**)

### STANDARD ANALYSIS

- Beneficial microbial population  $2 \times 10^9$  cfu\*/ml in liquid form or  $2 \times 10^9$  cfu\*/g in powder form
- Inert pasteurized materials

### CROPS

Maize	Chickpea
Peanuts	Rice
Cotton	Rye
Vetch	Wheat
Oats	Soya
Grass	Triticale
Rapeseed	Clover
Fava beans	Split peas
Barley	Lentil
Alfalfa	Bean
Pea	

\*cfu: colony forming units

### PROPERTIES

- They promote and speed up the germination of seeds
- They promote the development of the root system
- They provide nitrogen during the early stages of plant growth
- They induce the creation of nodules on the roots of legumes, which are necessary for the success of the crop
- They significantly increase crop yields
- They reduce the likelihood that the crop is infected by pathogens



Certified in Organic Agriculture



Enhances plants robustness




CROP	PRODUCT
Maize	Maize - Starter
Peanuts	Peanut - Starter
Cotton	Cotton - Starter
Vetch/Fava beans	Vetch & Fava beans-Starter
Oats	Oats - Starter
Grass	Grass & Turf - Starter
Rapeseed	Rapeseed-Starter
Barley	Barley-Starter
Alfalfa/Clover	Clover & Alfalfa - Starter
Pea/Bean	Bean & Pea Starter
Chickpea	Chickpea - Starter
Rice	Rice - Starter
Rye	Rye - Starter
Wheat	Wheat - Starter
Soya	Soya - Starter
Triticale	Triticale - Starter
Split peas	Split peas - Starter
Lentil	Lentil - Starter

### PACKAGES

* Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 L	box of 12 pieces
* Envelope 60 g	box of 50 pieces
Al Foil bag 1 Kg	box of 20 pieces

\*Available upon request



# **BIOTECHNOLOGY PRODUCTS**

## **Biomass Composting Formulations**

# BioDEC

ACCELERATOR OF DECOMPOSITION OF ORGANIC MATTER

**BioDEC** is an accelerator of decomposition of organic matter. It contains a mix of beneficial microorganisms, which occur naturally in the environment and which decompose the organic matter of agricultural waste and agricultural remains of cultures (such as rice, maize, wheat and other cereals, cotton, lucerne and other fodders, soya and other legumes, biofuel crops, herbs, vegetables etc). This way, it is possible to establish the next culture in the field within a shorter time interval.

## STANDARD ANALYSIS

Beneficial microorganisms  
>1x10<sup>12</sup> cfu\*/kg

## CROPS

Remains and agricultural waste from:

Vegetables

Legumes

Cereals

Tobacco

Cotton

Herbs

Biofuel plants

Sugarcanes

\*cfu: colony forming units

## PROPERTIES

- It accelerates the composting process of agricultural waste.
- It reduces set-aside time.
- It restores soil fertility.
- It increases the organic matter of soil and the availability of soil nutrients.
- It improves the structure and the physicochemical properties of soil.



## PACKAGES

*Al. Foil bag	250 g	box of	24 pieces
Al. Foil bag	1 kg	box of	20 pieces
Bag	5 kg	-	-
*Bag	20 kg	-	-

\*Available upon request



Certified in Organic Agriculture

# Fast - Compost

ACCELERATOR- ACTIVATOR  
OF ORGANIC MATTER COMPOSTING



Certified in Organic  
Agriculture

**Fast Compost** is a biotechnology product, which has been developed after many years of systematic research on the effect of beneficial microorganisms in the acceleration of compost production deriving from plant, animal and urban waste, as well as in the improvement of its qualitative characteristics. It contains 21 different strains of beneficial microorganisms, which occur in the product at a biologically inactive state. After the dilution and application of the product, the microorganisms are activated and they start multiplying. **Fast Compost** can be applied to:

- Every type of urban composter
- Agricultural and industrial composters
- Surface composting of shoots and leaves
- Composting of farm animals manure

### STANDARD ANALYSIS

Beneficial microorganisms 0.1 %  
Auxiliaries 99.9 %

### WASTE

Urban  
Agricultural  
Animal excretes  
Shoots, leaves


### PROPERTIES

- It accelerates up to 30 days the processes of decomposition and composting of organic materials.
- It enhances the growth of plants which are cultivated using the produced compost.
- It decreases the probability of infection by soil pathogens of plants which grow using the produced compost.



### PACKAGES

Al. Foil bag	250 g	box of	24 pieces
Al. Foil bag	1 kg	box of	20 pieces
Bag	5 kg		-
Bag	20 kg		-

A photograph of a tilled agricultural field with rows of dark brown soil. The sky is clear and blue. The text is overlaid on the image in two white boxes.

# **BIOTECHNOLOGY PRODUCTS**

## **Soil Disinfection Formulations**



# Live Soil

SOIL AMENDMENT SOLUTION



Certified in Organic Agriculture



Enhances plants robustness

**Live Soil** is a biological agent which activates and rejuvenates soils that have been disinfected by physical or chemical means. **Live Soil** is applied after the disinfection of soil and prior to sowing or planting and aims at the preparation of soil for the crop. **Live Soil** contains natural beneficial soil microorganisms which are capable of colonizing soil quickly and efficiently, creating an ideal environment for the growth of healthy, vigorous and highly productive plants.

**STANDARD ANALYSIS**

- Beneficial soil microorganisms
- Inert material

**CROPS**

All crops

**PROPERTIES**

- It restores natural soil microflora after disinfection.
- It enhances disinfection efficiency.
- It improves the structure and the composition of soil, since the contained microorganisms dissolve soil nutrients and increase organic matter.
- It creates fertile soils.
- It accelerates seeds germination and seedlings growth, thanks to plants similar hormones (auxins, cytokinins, gibberellins) which are produced and secreted by the contained beneficial microorganisms.
- It contributes to the quick and safe establishment of plants.
- It enhances vigor and productivity of the crop, since beneficial microorganisms promote the availability of soil nutrients and produce substances which improve plant growth and crop yield.



**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
*Plastic Cont. 5 l	box of	4 pieces
*Plastic Cont. 10 l	-	-
*Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request





# Super Soil

SOIL AMENDMENT SOLUTION



Certified in Organic Agriculture



Enhances plants robustness

**Live Soil** is a biological agent which activates and rejuvenates soils that have been disinfected by physical or chemical means. **Live Soil** is applied after soil disinfection and prior to sowing or planting and aims at the preparation of soil for the crop. **Live Soil** contains natural beneficial soil microorganisms which are capable of colonizing soil quickly and efficiently, creating an ideal environment for the growth of healthy, vigorous and highly productive plants.

**STANDARD ANALYSIS**

- Beneficial soil microorganisms
- Inert material

**CROPS**

All crops

**PROPERTIES**

- It restores natural soil microflora after disinfection.
- It enhances disinfection efficiency.
- It improves the structure and the composition of soil, since the contained microorganisms dissolve soil nutrients and increase organic matter.
- It creates fertile soils.
- It accelerates seeds germination and seedlings growth, thanks to plants similar hormones (auxins, cytokinins, gibberellins) which are produced and secreted by the contained beneficial microorganisms.
- It contributes to the quick and safe establishment of plants.
- It enhances vigor and productivity of the crop, since beneficial microorganisms promote the availability of soil nutrients and produce substances which improve plant growth and crop yield.



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
*Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# BIOSTIMULANTS





# **BIOSTIMULANTS**

## **Rooting Formulations**

# RIZOCYN

NATURAL ROOT BIOSTIMULANT

**RIZOCYN** is a natural biostimulant, specially designed for the rapid development of a voluminous and robust root system of plants cultivated both in greenhouse and at the open field. It derives from 100% natural ingredients and benefits not only plants, but their whole ecosystem, creating optimum conditions for the growth of vigorous plants and highly productive crops.

## **STANDARD ANALYSIS**

- Natural plant growth regulators (cytokinins, auxins, gibberellins)
- Vitamins (including C and Riboflavin-B2)
- Amino acids and peptides (hydrolysis products)
- Carbohydrates (mono- and poly- saccharides)
- Humic and fulvic acids
- Trace elements (Fe, Mn, Cu, Mg, Zn, Ca, B, S)

## **CROPS**

- Vegetables-Horticulture
- Ornamental plants
- Trees
- Vineyard
- Tobacco
- Potato
- Lawn
- Nurseries
- Seedbeds
- Other crops

## **PROPERTIES**

- It promotes root growth at all types of plantlets.
- It contributes to transplanting shock recovery and it warranties the quick and safe establishment of all transplants to the new substrate.
- It enhances the proliferation of soil beneficial microorganisms, which increase nutrients bioavailability to plants.
- It improves soil structure and replenishes consumed, due to intensive cropping, organic matter.
- It increases cation exchange capacity (CEC) between roots and soil.
- It promotes root penetration even to compact soils.
- It contributes to a better air circulation at the rhizosphere.
- It increases root cells divisions.
- It promotes seed germination.
- It contributes to the development of highly productive plants, with enhanced tolerance to adverse conditions.



## **PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 4 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
Plastic Drum 200 l	-
Pl. Tank (IBC) 1,000 l	-



**BIOSTIMULANTS**

**Marine Plant  
Extracts**

# Proton-P

ORGANIC NATURAL FERTILIZER  
FROM MARINE PLANT EXTRACT

**bio** Certified in Organic Agriculture

**Proton-P** is an organic fertilizer formulated in water soluble powder, which comes from marine plants of the genus *Ascophyllum nodosum*. Due to its production method, **Proton-P** conserves the entire content of marine plants, which includes natural plant hormones (cytokinins, auxins, gibberellins, betains), amino acids, carbohydrates and trace elements.

### STANDARD ANALYSIS

- Organic matter .....45-55.0 %
- Nitrogen (N).....1.0 %
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) .....1.0 %
- Potassium (K<sub>2</sub>O).....16.0 %

In addition it contains Cytokinins, Auxins, Gibberellins, Betains, Amino acids, Trace elements, Vitamins and Carbohydrates

### CROPS

- Vegetables
- Horticulture
- Tobacco
- Legumes
- Flowers
- Potatoes
- Trees
- Vineyards

### PROPERTIES

- It promotes growth.
- It increases the crops productivity.
- It enhances flowering and fruit set.
- It improves the quality of harvest (increase of sugars, trace elements and proteins).
- It prolongs fruits shelf life.
- It fortifies the root system.
- It increases the assimilation of nutrients by roots and leaves.
- It enhances plants resistance against stress caused by biotic factors.
- It enhances plants resistance against stress caused by weather conditions (frost, drought, salinity).



### PACKAGES

Plastic Jar	250 g	box of	36 pieces
Plastic Jar	500 g	box of	24 pieces
*Al foil bag	1 kg	box of	10 pieces
Plastic Pail	2.5 kg	box of	4 pieces
Plastic Pail	5 kg	box of	4 pieces
Cart Box	20 kg	-	-

\*Available upon request

# Proton-C

CONDENSED LIQUID ORGANIC FERTILIZER  
FROM MARINE PLANT EXTRACT

**bio** Certified in Organic Agriculture

**Proton-C** is a condensed liquid organic fertilizer which comes from marine plants of the genus *Ascophyllum nodosum*. Due to its production method, **Proton-C** conserves the entire content of marine plants, which includes natural plant hormones (cytokinins, auxins, gibberellins, betains), amino acids, carbohydrates and trace elements.

### STANDARD ANALYSIS

- Organic matter .....12-15.0 %
- Nitrogen (N).....0.2 %
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) .....0.2 %
- Potassium (K<sub>2</sub>O).....4.5 %

In addition it contains Cytokinins, Auxins, Gibberellins, Betains, Amino acids, Trace elements, Vitamins and Carbohydrates

### CROPS

- Vegetables
- Horticulture
- Tobacco
- Legumes
- Flowers
- Potatoes
- Trees
- Vineyards

### PROPERTIES

- It promotes growth.
- It increases the crops productivity.
- It enhances flowering and fruit set.
- It improves the quality of harvest (increase of sugars, trace elements and proteins).
- It prolongs fruits shelf life.
- It fortifies the root system.
- It increases the assimilation of nutrients by roots and leaves.
- It enhances plants resistance against stress caused by biotic factors.
- It enhances plants resistance against stress caused by weather conditions (frost, drought, salinity).



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Proton-L

LIQUID ORGANIC FERTILIZER  
FROM MARINE PLANT EXTRACT

**bio** Certified in Organic Agriculture

**Proton-L** is a liquid organic fertilizer which comes from marine plants of the genus *Ascophyllum nodosum*. Due to its production method, **Proton-L** conserves the entire content of marine plants, which includes natural plant hormones (cytokinins, auxins, gibberellins, betains), amino acids, carbohydrates and trace elements.

### STANDARD ANALYSIS

- Organic matter .....3-4.0 %  
 - Nitrogen (N) .....<0.1 %  
 - Phosphorus (P<sub>2</sub>O<sub>5</sub>) .....<0.1 %  
 - Potassium (K<sub>2</sub>O) .....1.2 %  
 In addition it contains Cytokinins, Auxins, Gibberellins, Betains, Amino acids, Trace elements, Vitamins and Carbohydrates

### CROPS

Vegetables  
 Horticulture  
 Tobacco  
 Legumes  
 Flowers  
 Potatoes  
 Trees  
 Vineyards

### PROPERTIES

- It promotes growth.
- It increases the crops productivity.
- It enhances flowering and fruit set.
- It improves the quality of harvest (increase of sugars, trace elements and proteins).
- It prolongs fruits shelf life.
- It fortifies the root system.
- It increases the assimilation of nutrients by roots and leaves.
- It enhances plants resistance against stress caused by biotic factors.
- It enhances plants resistance against stress caused by weather conditions (frost, drought, salinity).



### PACKAGES

*Plastic Bottle	250ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1,000 l	-	-

\*Available upon request



# Marine

LIQUID ORGANIC FERTILIZER  
WITH MARINE PLANT EXTRACT

**MARINE** is a liquid organic fertilizer, rich in natural hormonal factors, amino acids, vitamins and micronutrients. **MARINE** contains extracts of marine plants collected from clear and iodine abundant ocean waters. These marine plants have been properly processed, in order to maintain their ingredients active and, consequently, stimulate the biological processes of plant cells and promote plant growth.

**STANDARD ANALYSIS (w/w)**

- Nitrogen.....2 %
- Auxins, Gibberellins, Betains
- Amino acids
- Vitamins
- Trace elements

**CROPS**

- Fruit trees-Nut trees-Olive trees
- Vineyard
- Citrus trees
- Strawberry
- Leafy vegetables
- Rest vegetables-Horticulture
- Flowers
- Ornamental plants
- Cereals
- Potato
- Fodders
- Corn-Rice
- Tobacco-Beets
- Cotton
- Lawn

**PROPERTIES**

- It enhances growth of both the above and the under ground parts of plants.
- It increases fruit set capacity.
- It increases yield and improves crop quality.
- Nutrient deficiencies are less likely to appear.
- It promotes photosynthesis, which means more energy and therefore more vigorous plants.
- It reduces the possibility of plant stress due to weather conditions (frost, drought).
- It prolongs fruits shelf life.



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



# **BIOSTIMULANTS**

**Flowering –  
Fruit Set  
Formulations**

# Natreg

NATURAL BIOSTIMULANT  
FOR GROWTH & FRUIT SET



**bio** Certified in Organic Agriculture

**NATREG** is a natural growth hormone, extracted from specially selected marine plants, which stimulates plant growth and promotes:

- increased yields
- earlier maturing
- fortified resistance to environmental stress

### STANDARD ANALYSIS

- Natural Cytokinin\*..... 100 ppm
- \* Based on the biological activity of 100 ppm of Kinetin
- Nitrogen (N) ..... 0.50 %
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) ..... 2.50 %
- Potassium (K<sub>2</sub>O) ..... 3.00 %
- Sulphur (S) ..... 0.20 %
- Magnesium (MgO) .... 0.04 %
- Calcium (CaO) ..... 0.08 %
- Iron (Fe) ..... 15 ppm
- Copper (Cu) ..... <1 ppm
- Zinc (Zn) ..... 5 ppm
- Manganese (Mn) ..... 5 ppm
- Boron (B) ..... 15 ppm
- Amino acids ..... ~ 0.67 %

### CROPS

- Vegetables
- Fruit trees
- Field crops
- Herbs-Spices
- Nut trees
- Lawns
- Deciduous-Conifers
- Trees-Bushes
- Open field ornamentals
- Greenhouse ornamentals
- Fodders
- Nurseries

### PROPERTIES

- It enhances fruit set.
- It increases crop yields.
- It provokes earlier fruits production.
- It fortifies plants resistance against stress caused by environmental factors and pests.
- It improves harvest quality and it prolongs fruits shelf life.
- It holds back crops growth during periods of undesirable growth.



### PACKAGES

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request

# S-m-F

LIQUID FRUIT SET  
STIMULANT



Certified in Organic  
Agriculture

**S-m-F** is a liquid stimulant, especially designed to increase plants fruit set capacity, by influencing the biochemical processes that take place at cellular level in plant tissues. Due to its synthesis, **S-m-F** is easily assimilated by plants and starts to act immediately during the critical stages of blooming and fruit set.

### STANDARD ANALYSIS

- Boron (B) .....3.00 %
- Molybdenum (Mo) .....1.60 %
- Natural plant promoting substances (cytokinins and gibberellins)

### CROPS

Squash, Melon  
Tomato, Eggplant, Pepper  
Bean, Soya  
Fruit trees  
Citrus trees  
Olive trees  
Vineyard  
Alfalfa

### PROPERTIES

- It improves plants fruit set capacity.
- It enhances blooming.
- It increases nitrogen assimilation by plants.
- It stimulates plant growth.
- It brings about higher yields to the farmer.



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1000 l	-

\*Available upon request



# **BIOSTIMULANTS**

**Quality Improvement –  
Ripening Formulations**

# Perfect

NATURAL CONDENSED  
BIOSTIMULANT



Certified in Organic  
Agriculture

**Perfect** is a condensed natural biostimulant which enhances plant growth and productivity and improves the quality of harvest of all crops. **Perfect** derives from a combination of plant extracts and hydrolyzed proteins (amino acids) and is 100% organic. Due to its synthesis, **Perfect** is suitable both for conventional and organic crops.

### **STANDARD ANALYSIS**

- Nitrogen (N) ..... 1.6 %
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) ..... 3.2 %
- Potassium (K<sub>2</sub>O) ..... 1.4 %
- Other nutrients: Calcium (CaO), Sulphur (S), Magnesium (MgO), Iron (Fe), Manganese (Mn), Copper (Cu), Zinc (Zn), Boron (B) and Molybdenum (Mo)
- Amino acids
- Natural Growth Factors: Cytokinins, Auxins, Gibberellins and Betains
- Other Adjuvant Compounds: Vitamins, Enzymes, Carbohydrates (mono- and poly-saccharides), Oils

### **CROPS**

- Vegetables-Horticulture
- Sweet Corn
- Cereals
- Cotton
- Tobacco
- Beans
- Potato
- Trees
- Vineyard
- Clover-Alfalfa-Fodders
- Ornamental plants

### **PROPERTIES**

- It increases blooming and fruit set.
- It promotes plant growth.
- It increases yields by increasing the size, the amount and the weight of fruits.
- It improves fruits quality by increasing their content in proteins, micronutrients and sugars (brix).
- It prolongs fruits shelf life.
- It increases crop uniformity.
- It increases the percentage of the most marketable fruits out of the total production.
- It fortifies fruits persistence during transportation.
- It enhances the formation of flowers with vivid colors and scents in flower crops.



### **PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 4 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request

# BRIX in

## NATURAL FRUIT MATURING BIOSTIMULANT

**Brix in** is a liquid condensed biostimulant which accelerates the biological procedures that induce maturing of fruits and vegetables. Furthermore, **BRIX in** contains substances which, once applied on fruit trees, vegetables and ornamentals, improve the qualitative characteristics of fruits and flowers, resulting in an increase of the production value and consequently of the farmer's profit.

### STANDARD ANALYSIS

- Sugars .....	17.3 %
- Organic matter .....	21.6 %
- Nitrogen (N) .....	2.0 %
- Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	0.3 %
- Potassium (K <sub>2</sub> O) .....	4.2 %
- Calcium (CaO) .....	2.5 %
- Magnesium (MgO) .....	0.5 %
- Trace elements .....	0.8 %

### CROPS

Vegetables-Horticulture  
 Processing Tomato  
 Melon-Watermelon  
 Strawberry  
 Indoor Ornamental Plants  
 Outdoor Ornamental Plants  
 Pome fruits  
 Stone fruits  
 Vineyard  
 Citrus trees



### PROPERTIES

- It accelerates fruit maturing.
- It increases the content of fruits in sugars and micronutrients.
- It improves the color and the scent of fruits.
- It contributes to fruit sizing, leading to the formation of firmer fruits.
- It prolongs fruits shelf life.
- It enhances fruits tolerance during transportations.
- It induces ornamentals to produce flowers with more vivid colors and intense scent.



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Fish-fert

LIQUID ORGANIC FERTILIZER



Certified in Organic Agriculture

**Fish-fert** is a liquid organic fertilizer which derives from the cold enzymatic hydrolysis of fresh fish. Due to this special fish treatment, **Fish-fert** retains all the vitamins, the amino acids, the enzymes, the proteins, the oils and the growth hormones that preexist in the fish. Furthermore, **Fish-fert** contains many macro and micro nutrients in chelated form.

### STANDARD ANALYSIS

- Nitrogen (N) ..... 2.00 %
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) .... 4.00 %
- Potassium (K<sub>2</sub>O) ..... 0.20 %
- Calcium (CaO) ..... 0.60 %
- Sulphur (S) ..... 0.10 %
- Magnesium (MgO) .... 0.09 %
- Iron (Fe) ..... 26 ppm
- Manganese (Mn) ..... 3 ppm
- Copper (Cu) ..... 1 ppm
- Zinc (Zn) ..... 13 ppm
- Molybdenum (Mo) ..... 1 ppm
- Amino acids\* ..... 55 %

\*% of the weight of the dry product

### CROPS

- Vegetables-Horticulture
- Sweet Corn
- Cereals-Cotton-Tobacco
- Beans-Potatoes
- Trees
- Vineyard
- Ornamental plants

### PROPERTIES

- It increases blooming and fruit set.
- It increases the size and improves the quality of fruits.
- It assists with sugars formation inside the plant, enhancing this way its resistance against stress caused by various factors.
- It enhances the growth of bacteria and other beneficial soil microorganisms which improve soil structure.
- All nutrients of the product are chelated, so they are readily assimilable by plants and they remain longer in the soil.
- Fish-fert does not block soil nutrients, on the contrary it makes them more available to plants.
- It is not phytotoxic and does not contaminate the environment.



### PACKAGES

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l		-
Plastic Cont.	20 l		-
Plastic Drum	208 l		-
*Pl.Tank (IBC)	1,000 l		-

\*Available upon request





**BIOSTIMULANTS**

**Stress Recovery  
Formulations**

# Fert-Amino

NATURAL GROWTH BIOSTIMULANT



Certified in Organic Agriculture

**Fert-Amino** is a very rich in amino acids natural liquid biostimulant, specially designed for promoting plant growth. It is made exclusively from natural raw materials and affects the cell tissues of the above ground part of plants, by influencing the biological processes which take place inside the cell membrane. **Fert-Amino** contains an ideal combination of plant nutrients and amino acids, that can be immediately absorbed by leaves and shoots. For this reason, it helps shocked and stunted plants to recover rapidly and it also boosts the growth of all crops.

### **STANDARD ANALYSIS**

- Amino acids ..... 20.0 %
- Organic matter ..... 19.2 %
- Nitrogen (N) ..... 3.0 %
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) .... 2.0 %
- Potassium (K<sub>2</sub>O) ..... 1.0 %
- Other elements: Trace elements, Enzymes

### **CROPS**

- Fruit trees
- Vineyard
- Citrus trees
- Cereals
- Alfalfa-Clover-Fodders
- Cotton-Rice-Corn
- Strawberry
- Tomato-Pepper-Eggplant-Squash
- Melon-Watermelon
- Cucumber-Bean-Pea
- Cruciferous vegetables
- Potato-Carrot-Onion-Leek
- Asparagus-Endive-Chicory

### **PROPERTIES**

- It enhances plant growth.
- It stimulates and revitalizes stressed by environmental and other factors plants, promoting their recovery.
- It helps shocked by phytotoxicity plants revert to normality.
- It reduces plants losses in stressed by various factors crops.
- It increases blooming.
- It increases the length and the dry weight of shoots.
- It facilitates nutrients uptake by plant leaves.
- It does not pollute the environment.



### **PACKAGES**

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	4 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1,000 l	-	-

\*Available upon request

# PLANT - CARE

SPECIAL STIMULANT



Certified in Organic Agriculture



Enhances plants robustness

**PLANT-CARE** is a liquid biostimulant especially designed to improve plants vigor and productivity. **PLANT-CARE** activates plants biological mechanisms which control several functions (photosynthesis, respiration, transpiration, transport, cell division) and offers readily assimilable nutrients by the above ground plants part. When applied foliarly, it achieves the alteration of certain physical characteristics of the above ground part surface, such as pH and viscosity, which improves nutrient uptake capacity by leaves and creates excellent growing conditions for beneficial microorganisms.

## STANDARD ANALYSIS

- Plant extracts
- Natural organic polymers
- Natural organic wetting agents
- Chelated trace elements

## CROPS

- Fruit trees
- Vineyard
- Trees
- Cereals
- Legumes
- Cotton
- Open field vegetables
- Greenhouse vegetables
- Ornamentals
- Lawn

## PROPERTIES

- It protects plants against infestations by various insects.
- It promotes growth at all stages of the crop.
- It facilitates the assimilation of nutrients by leaves.
- It enhances plants productivity.
- It increases natural microflora of the above ground part of plants.
- It is not phytotoxic.
- It does not contaminate the environment.
- It does not affect beneficial insects (pollinators and predators).



## PACKAGES

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	4 l	box of	4 pieces
*Plastic Cont.	10 l	-	-
*Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1,000 l	-	-

\*Available upon request

# ROOT-CARE

SPECIAL STIMULANT



Certified in Organic Agriculture



Enhances plants robustness

**ROOT-CARE** is a liquid root biostimulant and soil activator especially designed to improve the function of the root system and to increase plants productivity. **ROOT-CARE** activates the biological mechanisms of plants which control several functions (assimilation of water and metals, elongation, energy storage and in some cases reproduction) and contains plant substances that affect physico-chemical soil properties (lattice structure, permeability, cation exchange capacity), surface tension of water and the formation of chemical compounds with mineral nutrients, acting as an excellent soil amendment.

### STANDARD ANALYSIS

- Plant extracts
- Natural organic polymers
- Chelated trace elements
- Sugars

### CROPS

- Fruit trees
- Vineyard
- Citrus trees
- Trees
- Strawberry
- Vegetables-Horticulture
- Leafy vegetables
- Ornamentals
- Bushes
- Lawn

### PROPERTIES

- It protects plants against infection by nematodes.
- It promotes roots' growth of all crops.
- It enhances the biological processes that take place in the root system.
- It increases plant productivity.
- It enhances nutrients assimilation by roots.
- It improves soil properties.
- It reduces water losses in soil.
- It washes salts and reduces nitrate accumulation in the soil.
- It increases the beneficial microbial population of the soil.
- It is not phytotoxic.
- It does not contaminate the environment.



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 4 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Free Root

SOIL SALINITY ADJUSTER  
- ROOT ACTIVATOR



**Free Root** is a liquid product, especially designed to unblock root operation in soils degraded due to high sodium ions (Na<sup>+</sup>) concentration. **Free Root** is mainly applied at the following cases:

- At soils irrigated with high conductivity water,
- At soils with sodium salts accumulation,
- At soils in regions affected by drought,
- At soils where drainage is limited and which are not sufficiently irrigated,
- At cleared soils,
- At soils that have been degraded due to imprudent fertilizers use

### STANDARD ANALYSIS

Nitrogen (N) .....	0.1 %
Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	0.5 %
Potassium (K <sub>2</sub> O) .....	0.5 %
Calcium (CaO) .....	3.8 %
Trace elements .....	0.3 %
Beneficial microorganisms	
	>1x10 <sup>10</sup> cfu*/lt

### CROPS

- Vegetables
- Strawberry
- Citrus
- Pome trees
- Stone trees
- Vine
- Ornamentals

### PROPERTIES

- It decreases toxic sodium (Na<sup>+</sup>) levels in soil.
- It accelerates the drainage rate of sodium salts.
- It improves the chemical structure of soil.
- It facilitates water filtering and drainage.
- It decreases plant stress provoked by high salinity.
- It allows the absorption, intake and transport of nutritional elements by plant tissues, under high salinity conditions.
- It increases plants photosynthetic capability.



### PACKAGES

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	
Plastic Cont. 20 l	-	
*Plastic Drum 200 l	-	
*Pl. Tank (IBC) 1,000 l	-	

\*Available upon request

\*cfu: colony forming units



# **BIOSTIMULANTS**

## **Amino Acids**

# AminaL

LIQUID ORGANIC NITROGEN FERTILIZER

**AminaL** is a liquid organic nitrogen fertilizer which derives from the thermal treatment, hydrolysis and distillation of meat meal from chicken, rabbits and fish without the addition of chemicals. The efficiency of **AminaL** is immediate and is based on the amines which are directly absorbed both by plants and the beneficial microorganisms of the rhizosphere. Since amines play a catalytic role in various cellular processes, **AminaL** acts as a biostimulant which promotes plant growth, by interfering with the processes of replication and differentiation of plant cells.

### STANDARD ANALYSIS

- Organic nitrogen (N) .....3.00%
- Organic carbon (C) .....1.40%
- Amines-Amino acids ....20.00%
- 2-phenethylamine.....2.4 mg/lit
- Spermine .....3.6 mg/lit

### CROPS

- Fruit trees
- Citrus trees
- Olive trees
- Vineyard
- Kiwi
- Vegetables-Open field horticulture
- Vegetables-Greenhouse horticulture
- Field crops (Cereals, Corn, Cotton, Sunflower, Soya, Legumes, Aromatic plants etc.)



Certified in Organic Agriculture

### PROPERTIES

- It provides readily available to plants organic nitrogen and therefore it fortifies plant growth.
- It stimulates rooting and especially the creation of lateral roots, by interfering with cellular replication and division.
- It increases fruits content in sugars (brix) by regulating the various ion channels, such as the one of potassium.
- It contributes to the proliferation of soil beneficial microorganisms and it increases the microflora of the rhizosphere, which lead to enhanced soil fertility.
- It accelerates plant growth since it enhances soil microorganisms activity which, by their turn, release plant nutrients.
- It reduces the stress induced by drought and competition with weeds.
- It enhances fruit setting through the attraction of insects-pollinators (bees, butterflies, larvae and beetles) which promote entomophilous pollination.
- It is safe for the crops since it does not contain any salts and does not cause phytotoxicity.



### PACKAGES

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
Plastic Drum	200 l	-	-
Pl. Tank (IBC)	1,000 l	-	-

# AMINA-SOIL

**16 - 0 - 0**

TOTALLY WATER SOLUBLE  
ORGANIC FERTILIZER

**AMINA-SOIL** is a totally water soluble organic fertilizer produced by the hydrolysis of natural plant origin proteins. This production process guarantees the conservation of the essential amino acids and a high rate of organic nitrogen (>16%). **AMINA-SOIL** is used on all crops as:

- Organic nitrogen fertilizer for soil applications.
- Recovery biostimulant after periods of intense stress.
- Stimulant for the improvement of the qualitative and the quantitative characteristics of the crop.
- Micronutrient chelating agent (Fe, Zn, Mn, Cu).
- Food source for soil beneficial microorganisms.

**STANDARD ANALYSIS**

- Nitrogen (N).....16.0 %
- Amino acids.....45.0 %

**CROPS**

- Strawberries
- Fruit vegetables (tomato, pepper, eggplant, cucumber, squash)
- Leafy vegetables
- Horticulture (watermelon, melon)
- Potato, Carrot, Onion, Beetroot
- Trees (citrus trees, stone fruits, olive trees)
- Kiwi
- Ornamental plants, Forest shrubs
- Lawn, Urban green
- Cereals
- Fodders
- Cotton
- Corn

**PROPERTIES**

- It increases crops yield and quality.
- It provides readily available to plants nitrogen.
- It fortifies plants resistance against stress.
- It accelerates the biochemical processes that take place inside the plant (photosynthesis, sugars formation).
- It promotes fruit growth.
- It improves metal micronutrients uptake by plant roots thanks to the contained amino acids.



**PACKAGES**

Al. Fol bag	1kg	box of	10 pieces
*Plastic Pail	2.5 kg	box of	4 pieces
Plastic Pail	5 kg	box of	4 pieces
Cart Box	20 kg		-

\*Available upon request



# Biofertilin-L

**7 - 0 - 0**

LIQUID ORGANIC FERTILIZER



**BIOFERTIN-L 7-0-0** is a liquid organic fertilizer, produced by mild enzymatic hydrolysis of natural proteins (collagen). This production process guarantees the preservation of the essential amino acids and a high rate of organic nitrogen deriving exclusively from amino acids. It can be used as a:

- ♦ organic nitrogen fertilizer
- ♦ sticking - wetting agent
- ♦ recovery biostimulant after periods of intense stress
- ♦ qualitative and quantitative characteristics improvement stimulant
- ♦ chelating agent

### STANDARD ANALYSIS

- Nitrogen (N) .....7 %
- Amino acids .....43 %
- Chlorine (Cl).....<1 %

### CROPS

- Vegetables-Horticulture
- Strawberry
- Melon-Watermelon
- Potato
- Carrot-Onion-Beet root
- Trees (Citrus, Stone fruits, Olive trees)
- Vineyard
- Kiwi
- Ornamental plants-Forest shrubs
- Flowers
- Lawn-Turfs
- Cereals
- Fodders
- Cotton
- Corn

### PROPERTIES

- It increases crops yield and quality.
- It provides readily available to plants nitrogen and potassium.
- It enhances plants resistance against stress.
- It improves the efficiency of chemical fertilizers and pesticides.
- It accelerates the biochemical processes that take place inside plants (photosynthesis, sugars formation).
- It promotes fruit growth.
- It assists with metal micronutrients uptake by plants.



### PACKAGES

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
Plastic Drum	200 l	-	-
Pl. Tank (IBC)	1,000 l	-	-

# Biofertin-S

**15 - 0 - 0**

**TOTALLY WATER SOLUBLE  
ORGANIC FERTILIZER**



**BIOFERTIN-S 15-0-0** is a water soluble organic fertilizer, produced by mild enzymatic hydrolysis of natural proteins (collagen). This production process guarantees the preservation of the essential amino acids and a high rate of organic nitrogen deriving exclusively from amino acids. It can be used as a:

- ♦ organic nitrogen fertilizer
- ♦ sticking - wetting agent
- ♦ recovery biostimulant after periods of intense stress
- ♦ qualitative and quantitative characteristics improvement stimulant
- ♦ chelating agent

### STANDARD ANALYSIS

- Nitrogen (N).....15 %
- Amino acids .....90 %
- Chlorine (Cl) .....<2 %

### CROPS

- Vegetables-Horticulture
- Strawberry
- Melon-Watermelon
- Potato
- Carrot-Onion-Beet root
- Trees (Citrus, Stone fruits, Olive trees)
- Vineyard-Kiwi
- Ornamental plants-Forest shrubs
- Flowers
- Lawn-Urban green
- Cereals
- Fodders
- Cotton
- Corn

### PROPERTIES

- It increases crops yield and quality.
- It provides readily available to plants nitrogen and potassium.
- It enhances plants resistance against stress.
- It improves the efficiency of chemical fertilizers and pesticides.
- It accelerates the biochemical processes that take place inside plants (photosynthesis, sugars formation).
- It promotes fruit growth.
- It assists with metal micronutrients uptake by plants.



### PACKAGES

Al Foil Bag	500 g	box of	20 pieces
Plastic Bag	5 kg	-	
Plastic Bag	9 kg	-	



**BIOSTIMULANTS**

**Root Activator  
Formulations**

# BIOGENESIS

## LIQUID ORGANIC FERTILIZER

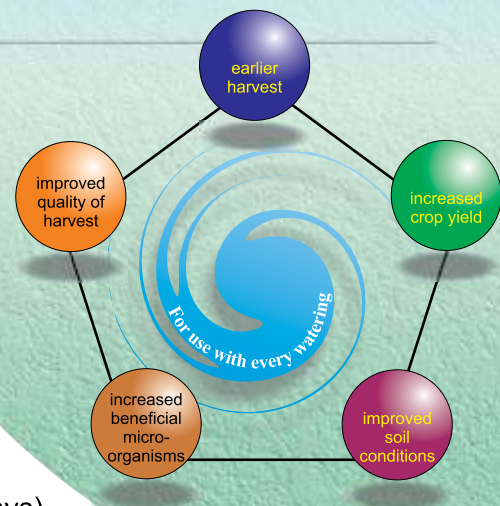
Biogenesis is a liquid organic fertilizer which derives from natural bioactive raw materials. The main active ingredients of this product are naturally occurring plant growth factors (cytokinins, auxins, gibberellins), amino acids, carbohydrates, humic and fulvic acids and macro- and micro-nutrients K, N, Fe, Mn, Cu, Mg, Zn, Ca, B, S.

### STANDARD ANALYSIS

- Active ingredients ..... 8.0 %  
Marine plant extracts,  
Humic & Fulvic acids
- Inert materials ..... 92.0 %

### CROPS

- Vegetables
- Open field fruit vegetables
- Greenhouse fruit vegetables
- Flowers & Ornamentals
- Arable crops
- Trees & Vineyards
- Fodders-Pastures-Turfs



### PROPERTIES

- Earlier harvest (3 - 10 days).
- Increase of the population of soil beneficial microorganisms which compete with several plant pathogens.
- Decrease of root diseases.
- Improvement of soil air circulation and of penetration of the roots.
- Diminution of leaching of soil mineral nutrients and increase of their availability to plants.
- Enhancement of plants resistance against frost and drought.
- Significant increase of crop production and improvement of harvest quality, which lead to augmentation of the profit of the farmer.



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Biofertilin-L

**2 - 0.5 - 4**

LIQUID ORGANIC SOIL AMENDMENT



**BIOFERTIN-L 2-0.5-4** is a liquid soil amendment which contains organic nitrogen, deriving from mild enzymatic hydrolysis of proteins. It also contains phosphorus, potassium, calcium and magnesium deriving from plant extracts. Its high content in organic matter and the high amount of amino acids and oligosaccharides that it contains, offer **BIOFERTIN-L 2-0.5-4** excellent properties for fertility improvement of cultivated soils. It can be used as a:

- ◆ liquid soil activator
- ◆ recovery biostimulant after periods of intense stress
- ◆ biostimulant for the improvement of the quantitative and qualitative production characteristics
- ◆ chelating agent
- ◆ nutritional supplement for plants

### STANDARD ANALYSIS

- Nitrogen (N) .....	2.0	%
- Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	0.5	%
- Potassium (K <sub>2</sub> O) .....	4.0	%
- Amino acids .....	11.5	%
- Sugars .....	37.0	%
- Organic Matter .....	54.0	%

### CROPS

Greenhouse fruit vegetables  
 Open field fruit vegetables  
 Vegetables  
 Strawberry  
 Potato  
 Carrot-Onion-Beet root-Beets  
 Tobacco-Cotton  
 Ornamental plants-Bushes  
 Lawn-Turf  
 Vineyard  
 Citrus-Kiwi  
 Pome fruits-Figs  
 Stone fruits

### PROPERTIES

- It increases crops yield and quality.
- It enhances plants resistance against stress.
- It improves the physicochemical properties of soil.
- It improves the assimilation of chemical fertilizers by plants.
- It increases the organic matter of soil.
- It promotes the growth of the root system.
- It increases the population of soil beneficial microorganisms.
- It provides readily available to plants nitrogen and potassium.



### PACKAGES

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
Plastic Drum 200 l	-	-
Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# **BIOSTIMULANTS**

**Soil Activator  
Formulations**

# Act-1

NATURAL BIOSTIMULANT -  
SOIL AMENDMENT



**Act-1** is a solution composed of mono-, oligo- and polysaccharides, amino acids, vitamins and humic acids. This product acts both on plants and soil.

### STANDARD ANALYSIS

- Monosaccharides & Oligosaccharides .....6.00 %
- Polysaccharides .....1.50 %
- Amino acids, Proteins ....15.20 %
- Humic acids .....5.60 %
- Trace elements .....0.05 %
- Vitamins (Folic acid, Niacin, Riboblavine, Carotene, Tocopherols, B12, C).....40 ppm

### CROPS

- Greenhouse fruit vegetables
- Open field fruit vegetables
- Vegetables
- Strawberry
- Potato-Carrot-Beet root-Beets
- Tobacco
- Cotton
- Rice
- Ornamental plants-bushes
- Lawn-Turfs
- Vineyard
- Citrus trees
- Kiwi
- Pome fruits
- Figs
- Stone fruits

### PROPERTIES

#### Efficiency on plants:

- It fortifies the root system.
- It improves the natural functions which are carried out at all parts of the plant.
- It enhances plants defensive system.
- It promotes crops earlier maturing.
- It contributes to the increase of fruit set.
- It reduces flower and fruit drop.
- It increases crop yields.
- It improves the qualitative characteristics of the harvest.

#### Efficiency on soil:

- It rejuvenates the exhausted, due to intensive farming, soils .
- It improves soil structure and physicochemical properties.
- It increases the populations of beneficial microorganisms which contribute to plants nutrition and good health.
- It allows a better soil air circulation and an increased root penetration.
- It restores biological balance in soils that have been disinfected.



### PACKAGES

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
Plastic Drum 200 l	-	-
Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request

# MUST

ORGANIC LIQUID  
NUTRITION SUPPLEMENT

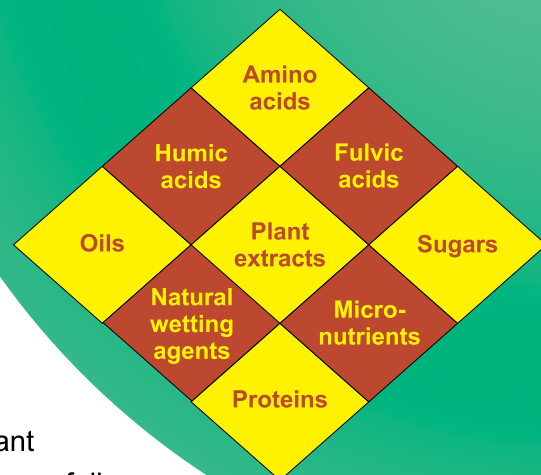
**Must** contains saccharides, amino acids, humic and fulvic acids, proteins, chelated micronutrients, oils, natural wetting agents and plant extracts. All the above organic compounds are essential for full coverage of the nutritional needs of plants as well as for the enrichment of soil with substances that activate mineral nutrients, making them assimilable by plants and increasing the absorption of fertilizers by plants roots.

**STANDARD ANALYSIS**

- Amino acids
- Sugars
- Humic acids
- Fulvic acids
- Trace elements
- Oils
- Plant extracts
- Natural wetting agents
- Proteins

**CROPS**

- Greenhouse fruit vegetables
- Open field fruit vegetables
- Vegetables
- Strawberry
- Potato-Carrot-Beet root
- Onion-Beet roots
- Rice
- Ornamental plants-bushes
- Lawn-Turfs
- Vineyard
- Citrus trees
- Kiwi
- Pome fruits
- Stone fruits



**PROPERTIES**

- It supplements plant nutrition and achieves full coverage of the nutritional needs of all crops.
- It reduces leaching and evaporation of the applied fertilizers, reducing the cost of fertilization.
- It increases beneficial soil microorganisms which render soil nutrients readily available to plants.
- It replenishes lost organic matter of soil.
- It contributes to the achievement of high yields.
- It improves the qualitative characteristics of harvest.
- It fortifies plants immune system.



**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	
Plastic Cont. 20 l	-	
Plastic Drum 200 l	-	
*Pl. Tank (IBC) 1,000 l	-	

\*Available upon request



# BOMBA

LIQUID ORGANIC  
SOIL AMENDMENT FERTILIZER

**BOMBA** is an organic liquid fertilizer with soil improving properties, containing oligosaccharides, L-amino acids, humic acids, proteins and chelated micronutrients. This ideal combination of organic compounds is an excellent nutrients substrate for beneficial soil microorganisms and it also achieves the rejuvenation of the infertile and washed out due to intensive cropping soils.

**STANDARD ANALYSIS**

- Oligosaccharides ..... 26 %
- L-Amino acids ..... 10 %
- Humic acids ..... 5 %
- Proteins ..... 5 %
- Trace elements ..... 0.1 %

**CROPS**

- Greenhouse fruit vegetables
- Open field fruit vegetables
- Vegetables
- Strawberry
- Potato-Carrot-Beet root
- Beets
- Tobacco
- Cotton
- Rice
- Ornamental plants
- Bushes
- Lawn-Turfs
- Vineyard
- Citrus trees
- Kiwi
- Pome fruits
- Stone fruits

**PROPERTIES**

- It replenishes the lost organic matter of soil.
- It restores the microbiological balance in soils after disinfection.
- It creates optimum conditions in the soil for the proliferation of beneficial microorganisms.
- It fortifies plants root system.
- It reduces the density of concrete soils, providing for a better soil air circulation and a deeper root penetration.
- It creates chemical bonds with soil minerals increasing their uptake by plants.
- It promotes crops early maturing.
- It increases high yield capacity.
- It improves the qualitative characteristics of harvest.
- It contributes to the increase of the profit of the grower.



**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	
Plastic Cont. 20 l	-	
Plastic Drum 200 l	-	
*Pl. Tank (IBC) 1,000 l	-	

\*Available upon request

An aerial photograph of a lush green agricultural field, likely a crop field, with a misty or hazy background of rolling hills. A prominent white horizontal band runs across the middle of the image, serving as a background for the text.

# **BIOSTIMULANTS**

## **Humic – Fulvic Acids**

# STRONG

## SOLID NATURAL ACTIVATOR



Certified in Organic Agriculture

**STRONG** is a solid natural activator which contains 97% potassium humate. It comes from natural, plant deriving, brown coal deposits and it is rich in macro and micronutrients and trace elements (K, N, Ca, Mg, Fe, S, Mn, Zn, Cu, B, and Mo). **STRONG** dissolves rapidly in water (100% water soluble) and does not clog the filters. It is suitable for all irrigation and fertigation systems.

### STANDARD ANALYSIS

- Humic Potassium .....	97.00%
- Organic Carbon.....	40.00%
- Potassium (K <sub>2</sub> O) .....	15.00%
- Nitrogen (N) .....	0.30%
- Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	0.20%
- Calcium (CaO) .....	0.17%
- Magnesium (MgO) .....	0.30%
- Sulphur (S) .....	0.30%
- Iron (Fe) .....	0.30%
- Zinc (Zn) .....	94 ppm
- Manganese (Mn) .....	5 ppm
- Copper (Cu) .....	13 ppm
- Boron (B) .....	5 ppm
- Molybdenum (Mo) .....	1 ppm

### CROPS

Vegetables-Horticulture  
 Strawberry  
 Fruit trees  
 Citrus trees  
 Olive trees  
 Ornamentals  
 Vineyard  
 Corn

### PROPERTIES

- It increases cation exchange and water retention capacity of plants.
- It stabilizes soil pH against increased acidity due to frequent fertilizer applications.
- It improves retention and assimilation of the essential nutrients by plants, reducing applied fertilizers loss due to leaching and run-off.
- It promotes good soil structure formation.
- It stimulates beneficial microbial activity and root growth.
- It promotes nutrient uptake by plants in hydroponic cultures.
- It oxygenates the root system more efficiently and prevents possible rots.
- It enhances calcium penetration and retention by soil.
- It transfers aluminum to subsoil.



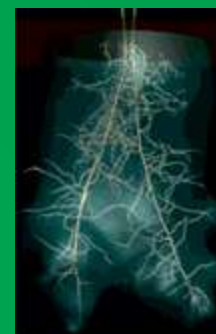
### PACKAGES

Plastic Jar	250 g	box of	36 pieces
*Plastic Jar	500 g	box of	24 pieces
*Al. Foil bag	1 kg	box of	10 pieces
Plastic Pail	2.5 kg	box of	4 pieces
Plastic Pail	5 kg	box of	4 pieces
Cart Box	20 kg	-	-

\*Available upon request

# STRONG 26

LIQUID CONDENSED  
SOIL ACTIVATOR



Certified in Organic  
Agriculture

**STRONG-26** is a liquid condensed natural activator containing 26% (w/v) humic and fulvic acids. It is made of natural, plant derived, brown coal deposits and is rich in macro and micronutrients and trace elements (K, N, Ca, Mg, Fe, S, Mn, Zn, Cu, B, and Mo).

**STANDARD ANALYSIS**

- Humic & Fulvic acids ..... 26.00%
- Organic Carbon ..... 10.50%
- Nitrogen (N) ..... 0.10%
- Phosphorus (P<sub>2</sub>O<sub>5</sub>) ..... 0.06%
- Potassium (K<sub>2</sub>O) ..... 5.00%
- Calcium (CaO) ..... 0.03%
- Magnesium (MgO) ..... 0.03%
- Trace elements (Fe, Zn, Mn, Cu, B, Mo)

**CROPS**

- Vegetables-Horticulture
- Strawberry
- Fruit trees
- Citrus trees
- Olive trees
- Ornamentals
- Vineyard
- Corn

**PROPERTIES**

- It increases cation exchange and water retention capacity of plants.
- It stabilizes soil pH against increased acidity due to frequent fertilizer applications.
- It improves retention and assimilation of the essential nutrients by plants, reducing applied fertilizers loss due to leaching and run-off.
- It promotes good soil structure formation.
- It stimulates beneficial microbial activity and root growth.
- It promotes nutrient uptake by plants in hydroponic cultures.
- It oxygenates the root system more efficiently and prevents possible rots.
- It enhances calcium penetration and retention by soil.
- It transfers aluminum to subsoil.



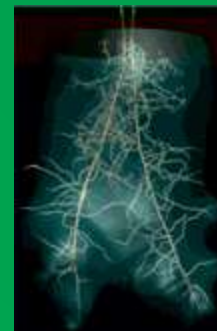
**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# STRONG N

NATURAL SOIL ACTIVATOR -  
ORGANIC FERTILIZER



**STRONG-N** is a combination of a natural activator and an organic fertilizer, which contains 18% (w/v) humic and fulvic acids, 7% nitrogen and 3% potassium. The contained humic and fulvic acids as well as the rich micronutrient content derive from humus, which comes from brown carbon deposits. **STRONG-N** increases nitrogen and potassium uptake by plants, leading to optimum growth of all crops.

### STANDARD ANALYSIS

- Humic & Fulvic acids ..... 18.00%
- Organic Carbon ..... 7.00%
- Urea Nitrogen (N) ..... 7.00%
- Potassium (K<sub>2</sub>O) ..... 3.50%
- Calcium (CaO) ..... 0.03%
- Magnesium (MgO) ..... 0.02%
- Trace elements (Fe, Zn, Mn, Cu, B, Mo)

### CROPS

- Vegetables-Horticulture
- Cereals
- Fruit trees
- Vineyards
- Bushes
- Flowers
- Lawn
- Fodders

### PROPERTIES

- It increases cation exchange and water retention capacity of plants.
- It stabilizes soil pH against increased acidity due to frequent fertilizer applications.
- It improves retention and assimilation of the essential nutrients by plants, reducing applied fertilizers loss due to leaching and run-off.
- It promotes good soil structure formation.
- It stimulates beneficial microbial activity and root growth.
- It promotes nutrient uptake by plants in hydroponic cultures.
- It oxygenates the root system more efficiently and prevents possible rots.
- It enhances calcium penetration and retention by soil.
- It transfers aluminum to subsoil.



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# FORCE

LIQUID CONDENSED SOILACTIVATOR

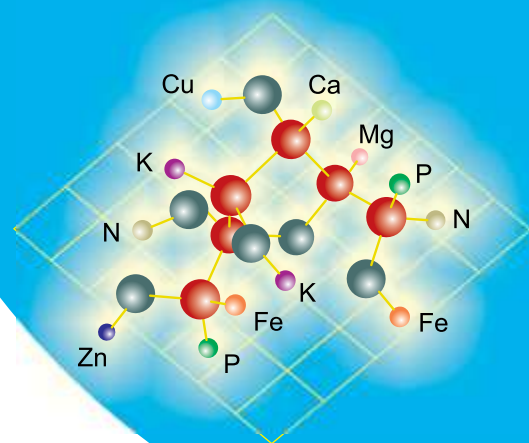
**FORCE** is a liquid condensed soil activator with 18% humic acids. It derives from selected leonardite deposits which have naturally a high percentage of humic acids and are rich in major nutrients and micro-nutrients (K, Ca, Mg, Fe, Mn etc). **FORCE** enhances the efficiency of applied fertilizers and stimulates plant growth, promoting the biological processes which take place in root cells. As a result, it increases yields and improves their quality.

## STANDARD ANALYSIS

- Humic acids (18%)
- Potassium (K<sub>2</sub>O)
- Nitrogen (N)
- Calcium (CaO)
- Magnesium (MgO)
- Iron (Fe)
- Manganese (Mn)

## CROPS

Horticulture  
 Open field vegetables  
 Greenhouse vegetables  
 Flowers-Ornamental plants  
 Arable crops  
 Trees  
 Vineyards  
 Fodders-Lawns  
 Hydroponics



## PROPERTIES

- It enhances cation exchange capacity (CEC) of plants.
- It improves plants capability to retain water and minerals.
- It promotes essential nutrients uptake by plants.
- It corrects soil pH which changes due to the constant use of chemical fertilizers.
- It releases bound, due to increased water conductivity, nutrients, rendering them available to plants.
- It reduces nutrients leaching.
- It facilitates soil air circulation, resulting to a more efficient oxygenation of the root system.
- It stimulates the activity of beneficial microbial population.



## PACKAGES

*Plastic Bottle 250 ml		box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	
Plastic Cont.	20 l	-	
*Plastic Drum	200 l	-	
*Pl. Tank (IBC) 1,000 l		-	

\*Available upon request

# DRY-HUM

100% WATER SOLUBLE HUMIC ACID



**DRY-HUM** is a 100% water soluble solid organic fertilizer which derives from leonardite. It contains more than 90% Humic Potassium, Iron (Fe) and other trace elements at minor quantities. Furthermore, it contains phenols and other carboic compounds, which act exactly as cytokinins and auxins act on the stimulation of cell. In addition, **DRY-HUM** enhances the efficiency of defoliants and herbicides, while it does not cause phytotoxicity problems to crops.

**STANDARD ANALYSIS**

- Humic acid ..... 85.00%
- Potassium (K<sub>2</sub>O) ..... 12.00%
- Iron (Fe) ..... 0.45%

**CROPS**

- Vegetables-Horticulture
- Flowers
- Trees
- Vineyards
- Cotton

**PROPERTIES**

- It releases and activates nutrients, rendering them readily available to plants.
- It stimulates plant growth.
- It creates a voluminous root system.
- It enhances plants resistance against stress caused by frost, drought and transplanting.
- It increases the size and the number of flowers while improving their color.
- It improves the quality and the flavor of fruits and vegetables.
- It fortifies fruits resistance during transportation and it prolongs their shelf life.
- It enhances cation exchange capacity.
- It renders soils spongy and it improves air circulation in concrete soils.
- It improves the structure of sandy soils, it reduces nutrient leaching and it enhances water retention capacity.
- It stimulates growth of natural soil microflora.



**PACKAGES**

*Plastic Jar	250 g	box of	36 pieces
Plastic Jar	500 g	box of	24 pieces
*Al. Foil bag	1 kg	box of	10 pieces
Plastic Pail	2.5 kg	box of	4 pieces
Plastic Pail	5 kg	box of	4 pieces
*Plastic Bag	10 kg	-	
Cart Box	20 kg	-	

\*Available upon request

# AZOHUM

PLANT NUTRITIONAL ACTIVATOR  
FROM NATURAL ORGANIC MATTER



**AZOHUM** is a natural activator which contains 7.5 % potassium humate deriving from rich in nutrients Leonardite deposits. Its regular application to crops increases their yielding capacity, improving contemporaneously the physicochemical soil properties. It is essential for intensive crops , since it rejuvenates soil and it fortifies roots.

**STANDARD ANALYSIS**

- Active Potassium Humate..7.50%
- Humic, Fulvic and Ulmic acids..... 6.30%
- Potassium (K<sub>2</sub>O).....0.84%
- Trace elements (Fe, Mn, Mg, Zn, Mo, B, Cu)

**CROPS**

- Trees
- Vineyards
- Vegetables
- Flowers

**PROPERTIES**

- It releases and activates soil nutrients.
- It increases cation exchange capacity between root and soil.
- It gives soil a spongy texture and it improves the aeration in concrete soils.
- It reduces nutrient leaching and it increases water retention capacity in all types of soil.
- It stimulates the growth of natural soil microflora.
- It enhances the activity of defoliant and herbicides.
- It creates a voluminous root system and it enhances plants resistance.
- It reduces transplanting stress.
- It is not phytotoxic.



**PACKAGES**

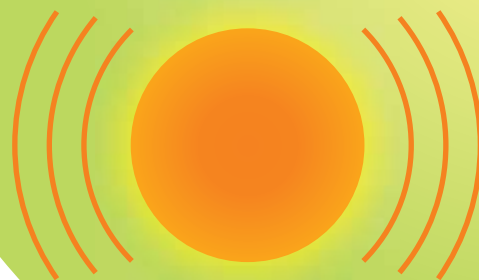
*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
Plastic Drum 200 l	-	-
Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# Fulvic Powder

ACTION ENHANCER  
OF NUTRIENTS - PESTICIDES



**Fulvic Powder** is an enhancer of the action-performance of fertilizers, micronutrients and pesticides, which comes from naturally aged humus. **Fulvic Powder** contains 70% fulvic acid in combination with small amounts of humic acid and potassium.

**STANDARD ANALYSIS**

- Fulvic acid.....70 %

**CROPS**

All crops

**PROPERTIES**

- It increases the availability of trace elements.
- It chelates nutrients, improving their assimilation.
- It promotes seed germination and rapid growth of roots and shoots.
- It provides a valuable carbon source to soil beneficial microorganisms.
- It stimulates the enzymatic plant systems which enhance their respiration.
- It improves humidity retention by plants, contributing to their resistance against drought.



**PACKAGES**

Al. Foil bag	100 g	box of	24 pieces
*Al. Foil bag	500 g	box of	24 pieces
Al. Foil bag	1 kg	box of	20 pieces
*Plastic Pail	2.5 kg	box of	4 pieces
Plastic Pail	5 kg	box of	4 pieces
Cart Box	20 kg	-	-

\*Available upon request

# K-fulvate

LIQUID ACTION ENHANCER  
OF NUTRIENTS - PESTICIDES

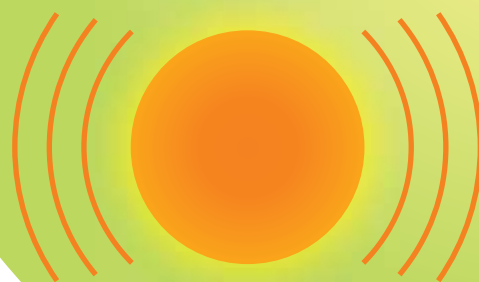
**K-fulvate** is a liquid enhancer of the action-performance of fertilizers, micronutrients and pesticides which comes from naturally aged humus. **K-fulvate** contains 2.5% fulvic acid in combination with small amounts of potassium, nitrogen and other micronutrients.

**STANDARD ANALYSIS**

- Fulvic acid.....2.5% (min)

**CROPS**

All crops



**PROPERTIES**

- It increases the availability of trace elements.
- It chelates nutrients, improving their assimilation.
- It promotes seed germination and rapid growth of roots and shoots.
- It provides a valuable carbon source to soil beneficial microorganisms.
- It stimulates the enzymatic plant systems which enhance their respiration.
- It improves humidity retention by plants, contributing to their resistance against drought.



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 16 pieces
*Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# ORGANIC FERTILIZERS



# Biofertilin

ORGANIC SLOW RELEASE  
GRANULAR FERTILIZERS



Organic slow release granular fertilizers **BIOFERTIN** are made of high quality organic raw materials, which come from plant and animal by-products and natural minerals. Through constant monitoring of **BIOFERTIN** qualitative characteristics, from production to packing, and continuous controls of both raw materials and final product, it is ensured that the organic granular fertilizers **BIOFERTIN** comply with all national, european and international rules concerning the safety of the product .

### AVAILABLE FORMULATIONS

- 10 - 4 - 3
- 6 - 8 - 15
- 6 - 15 - 3

### CROPS

- Vineyards
- Tree crops
- Vegetables-Horticulture
- Field crops (cereals, cotton, corn)
- Fodders
- Ornamentals
- Landscapes and Lawns
- Gardens and Turfs
- Greenhouse crops

### PROPERTIES

- They offer nutrients to the plants directly from mother nature.
- They release nutrients gradually, ensuring a stable plant growth.
- They are easily absorbed and assimilated by plants.
- They do not leach or evaporate.
- They are specially formulated in granules of 0.8 - 4.0 mm diameter for easy and practical use.

### STANDARD ANALYSIS

Nutrients	10 - 4 - 3	6 - 15 - 3	6 - 8 - 15
Total Nitrogen (N)	10 %	6 %	6 %
Total Phosphorus (P <sub>2</sub> O <sub>5</sub> )	4 %	15 %	8 %
Total Potassium (K <sub>2</sub> O)	3 %	3 %	15 %
Calcium (CaO)	6 %	20 %	10 %
Magnesium (MgO)	0.5 %	0.5 %	1.5 %
Sulphur (S)	1.5 %	1.5 %	4.5 %
Trace elements (B, Fe, Zn, Mn, Cu)	1 %	1 %	1 %
Humidity	8 %	8 %	8 %
Organic matter	60 %	45 %	38 %
pH	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5



### PACKAGES

Bag	25 kg	pallet of	36 bags
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# ORGANOMINERAL FERTILIZERS





**ORGANOMINERAL  
GRANULAR FERTILIZERS**

Organomineral granular fertilizers **ECO plant FOOD** are produced from inorganic raw materials of high purity and hydrolyzed meat meal. They contain a very high content of organic matter, which derives from the hydrolysis of proteins from the meat of fish, rabbits and poultry and therefore, they are very rich in amino acids, humic acids and fulvic acids. There are 4 types which are certified according to the principles of organic farming. Organomineral granular fertilizers **ECO plant FOOD** ensure their easy dispersion to soil since they are formulated into microgranules.

**AVAILABLE TYPES**

- 8 - 3 - 3 (bio)**
- 4 - 6 - 10 + 2%MgO (bio)**
- 4 - 11 - 5 (bio)**
- 5 - 3 - 2 (bio)**
- 12 - 5 - 6**
- 7 - 12 - 6 + 2%MgO**
- 7 - 5 - 12 + 4%MgO**

**CROPS**

- Fruit trees
- Citrus trees
- Stone fruits
- Pome trees
- Vineyard
- Olive trees
- Open field horticulture
- Greenhouse horticulture
- Vegetables
- Corn, Tobacco, Sunflower
- Cereals, Soya, Rice, Beets and industrial crops
- Cotton
- Lawn
- Ornamentals

**PROPERTIES**

- They release nutrients gradually.
- They offer a high content of organic matter.
- They provide amino acids, proteins, humic and fulvic acids.
- The contained nutrients are in forms readily available to plants.
- They are highly water soluble.
- They are formulated in microgranules of uniform size.



STANDARD ANALYSIS							
NUTRIENTS	8-3-3 bio	4-6-10 +2%MgO bio	4-11-5 bio	5-3-2 bio	12-5-6	7-12-6 +2%MgO	7-5-12 +4%MgO
Total Nitrogen(N)	8 %	4 %	4 %	5 %	12 %	7 %	7 %
Total Phosphorus (P <sub>2</sub> O <sub>5</sub> )	3 %	6 %	11 %	3 %	5 %	12 %	5 %
Total Potassium (K <sub>2</sub> O)	3 %	10 %	5 %	2 %	6 %	6 %	12 %
Calcium (CaO)	7 %	12 %	18 %	7 %	6 %	10 %	6 %
Magnesium (MgO)	0,3 %	2 %	0,3 %	1 %	0,2 %	2 %	4 %
Organic matter	64 %	41 %	35 %	46 %	35 %	41 %	34 %
Amino acids - Proteins	35 %	20 %	18 %	31 %	13 %	15 %	12 %
Humic - Fulvic acids	4 %	4 %	3 %	13 %	7 %	8 %	7 %



**PACKAGES**

Plastic bag	1 kg	box of 20 pieces
Plastic bag	2 kg	box of 10 pieces
Bag	25 kg	pallet of 50 bags

# Double

LIQUID ORGANOMINERAL FERTILIZER



**Double** provides crops with the essential nutrients and trace elements and it elicits the intracellular biochemical activities, triggering growth enhancement and increase of plants robustness. The results it achieves are the reinforcement of the root system, flowering and fruit set increase, improvement of size and nutritional content (sugars, trace elements, vitamins) of fruits, increase of crops' yield and boost of robustness of plants. It contains *Ascophyllum nodosum* seaweed extracts and phosphonate compounds.

### STANDARD ANALYSIS

Nitrogen (N).....	3.0 %
Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	20.0 %
Potassium (K <sub>2</sub> O).....	18.0 %
Iron (Fe).....	200 ppm
Zinc(Zn) .....	100 ppm
Manganese (Mn) .....	100 ppm
Copper (Cu).....	200 ppm
Boron (B) .....	100 ppm
Molybdenum (Mo).....	10 ppm

### CROPS

- Vegetables
- Strawberry
- Kiwi
- Vine
- Trees
- Cereals
- Cotton
- Tobacco

### PROPERTIES

- It covers efficiently plants nutritional needs (mainly in phosphorus and potassium).
- It elicits plants natural defence mechanisms against biotic and environmental stress factors.
- Phosphorus is in a form which is readily assimilable by roots and leaves and transported fast to the plant tissues.
- It provides the essential natural hormones (auxines, gibberellines, betaines) for root and shoots growth.
- It induces biostimulants production (eg cytokinins) by plant tissues.
- It offers macro- and micro- nutrients, chelated with organic chelating factors and aminoacids.



Enhances plants robustness



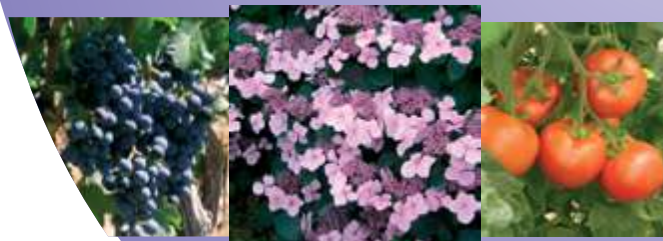
### PACKAGES

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1,000l	-	-

\*Available upon request

# RIMAS

LIQUID FOLIAR FERTILIZER



Certified in Organic Agriculture



Enhances plants robustness

**RIMAS** is a liquid foliar potassium fertilizer with excellent properties in correcting nutrient problems of all crops, especially vegetables, vineyards and ornamental indoor and outdoor plants. **RIMAS** achieves the rapid coverage of potassium needs during critical growth stages of plants, without altering nutrients balance in soil. At the same time, when applied foliarly, **RIMAS** affects the pH of leaves and shoots surface, increasing the resistance of plants to various stress factors.

### STANDARD ANALYSIS

- Total Potassium (K<sub>2</sub>O) .... 10.0 %
- Kelp extract ..... 2.5 %
- Total Amino acids ..... 1.1 %

### CROPS

- Tomato
- Pepper
- Cucumber
- Squash
- Lettuce
- Strawberry
- Vineyards
- Apple trees
- Outdoor ornamentals
- Indoor ornamentals

### PROPERTIES

- It prevents and corrects problems caused by potassium deficiencies.
- It ensures the rapid coverage of potassium needs during critical stages of the crop.
- Foliar application of **RIMAS** achieves the alteration of some physical characteristics of the above ground plant part, such as pH and viscosity, which results in the improved nutrient assimilation by leaves.
- It fortifies plant resistance against stress caused by various biotic and abiotic factors.
- It enhances the structures of plant cells (membranes, cell wall).



### PACKAGES

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# NBA

LIQUID CONDENSED  
NITROGEN - BORON FERTILIZER

**NBA** is a liquid organomineral Nitrogen - Boron fertilizer. 85% of the contained nitrogen is of slow release, deriving from water soluble polymethylene urea, while boron comes from borate salt. Furthermore, **NBA** contains 14% *Ascophyllum nodosum* seaweed extract, which stimulates plant growth and increases the efficiency and the assimilation of nitrogen and boron.

**STANDARD ANALYSIS**

- Nitrogen(N) ..... 18.6 %
  - Polymethylene Nitrogen .. 15.8 %
  - Urea Nitrogen ..... 2.8 %
- Boron (B) ..... 1.9 %
- Marine plant Extract ..... 14.0 %

**CROPS**

- Olive trees
- Vineyard
- Citrus trees
- Fruit trees
- Vegetables
- Sugar beets
- Strawberry
- Bushes



**PROPERTIES**

- It enhances constant growth of all crops, while it promotes fruit set.
- It releases nitrogen gradually in order for it to be fully absorbed by plants.
- Thanks to its sticking properties, **NBA** keeps boron and seaweed nutrients on the leaves or near the roots, increasing their assimilation by plant.
- It is not washed out and it does not evaporate.
- It has a very low phytotoxicity index.
- It is an energy source for beneficial soil microorganisms.
- It does not contaminate the environment.
- It does not form crystals on the leaf and it does not precipitate in the tank.



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Nitro-Combi

LIQUID ORGANOMINERAL NITROGEN FERTILIZER WITH TRACE ELEMENTS

**NITRO-COMBI** is a liquid organo-mineral nitrogen fertilizer, which contains all the available nitrogen forms used in plant nutrition, achieving a regular nitrogen assimilation during critical plant growth stages, with the minimum loss due to evaporation and leaching. High amino acids concentration of the product increases nitrogen uptake by leaves and roots and also improves plants ability to assimilate soil nutrients.

### STANDARD ANALYSIS

- Nitrogen (N) .....	22.0 %
Urea Nitrogen .....	9.7 %
Ammonium Nitrogen .....	1.5 %
Nitrate Nitrogen .....	1.5 %
Polymethylene Nitrogen ....	7.8 %
Organic Nitrogen .....	1.5 %
- Zinc (Zn) .....	0.1 %
- Manganese (Mn) .....	0.1 %
- Amino acids .....	9.0 %

### CROPS

Vegetables  
 Open field fruit vegetables  
 Greenhouse fruit vegetables  
 Strawberry  
 Citrus trees  
 Trees  
 Vineyard  
 Cotton-Tobacco  
 Potato-Onion-Beets  
 Cereals-Corn  
 Fodders  
 Ornamental plants-trees  
 Urban green  
 Aromatic crops

### PROPERTIES

- It promotes growth of the above ground part of plants.
- It ensures a smooth and stable growth, as a result of gradual nitrogen release.
- It fully covers nitrogen plant needs at low application rates, thanks to limited nitrogen losses caused by evaporation and leaching.
- It offers a powerful growth start-up to plants thanks to the high percentage of organic nitrogen, which derives from amino acids.
- It enhances plants productivity and as a result it increases crop yield.
- It improves nutrients uptake by the root system.
- It promotes the metabolic processes inside plant cells, which lead to a more efficient use of the assimilated nitrogen and a better exploitation of fertilization.



### PACKAGES

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	
Plastic Cont. 20 l	-	
Plastic Drum 200 l	-	
Pl. Tank (IBC) 1,000 l	-	

\*Available upon request

# SOIL AMENDMENTS



# HydroFilo

CRYSTAL WATER RETENTION POWDER



Certified in Organic Agriculture

**HydroFilo** is a superabsorbent polymer in the form of water soluble powder, which retains large amounts of water (up to 500 times its weight). **HydroFilo** is the result of the chemical union of acrylamide polymers with potassium acrylate and is produced especially for the improvement of water management by plants. This environmentally safe product functions by absorbing and storing water and nutrients in an aqueous gel made of spherical particles, which are capable of attributing the retained moisture according to the needs of the plant. The big advantage of **HydroFilo** is the capacity of the formed aqueous gel to release easily the absorbed water and nutrients through the mechanism of osmosis, resulting in the reduction of hydric stress which can slow plant growth.

### STANDARD ANALYSIS

- Anionic acrylic polymer      100%

### CROPS

- Potted plants
- Garden ornamentals
- Lawn
- Turfs-parks
- Trees-bushes
- Horticulture

### PROPERTIES

- It increases soils water retention capacity, reducing irrigation frequency by up to 50%.
- It improves physical soil properties due to better air circulation in the soil, achieved by constant swelling and shrinking of **HydroFilo** spherical particles, which increases soil pores.
- It enhances plant growth thanks to the optimization of water and nutrient uptake.
- It reduces water and nutrients loss due to leaching and evaporation and it limits fertilizers use.
- It limits soil erosion and underground water pollution.



### PACKAGES

Plastic Jar	100 g	box of	24 pieces
Al. Foil bag	1 kg	box of	10 pieces
Plastic pail	3 kg	box of	4 pieces
Cartbox	25 Kg	-	-

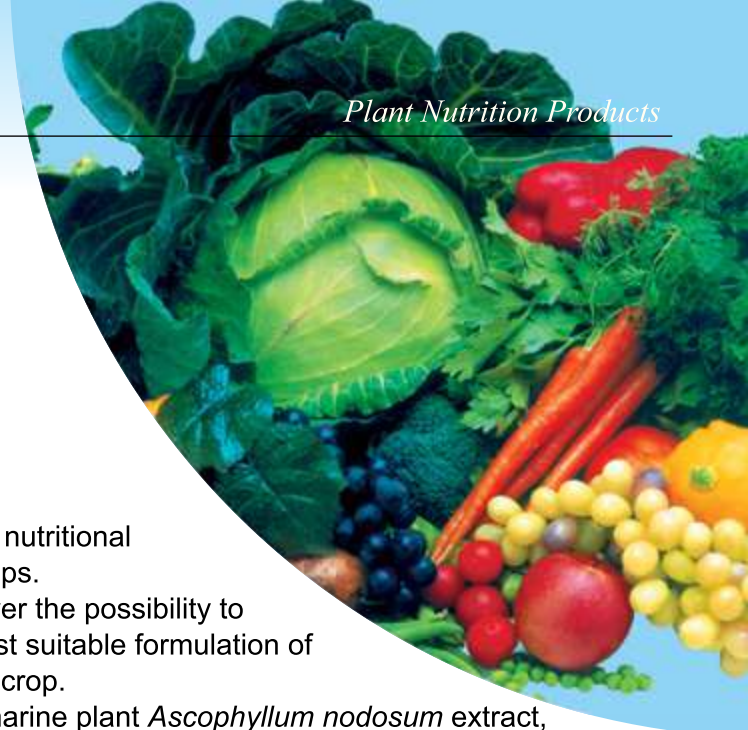
# CHEMICAL FERTILIZERS





**CHEMICAL  
FERTILIZERS**

**Water-Soluble  
N-P-K Fertilizers**



# FAST-GROW plus

WATER SOLUBLE FERTILIZERS  
OF HIGH NUTRIENT VALUE

**FAST GROW plus** series of fertilizers contains water soluble macronutrients (N, P, K) combined with chelated trace elements, L-amino acids and *Ascophyllum nodosum* marine plant extract. **FAST GROW plus** fertilizers are made of high purity raw materials, which do not contain impurities and heavy metals. When diluted in water, they are perfectly dissolved and they do not create sediment in the tank. They are available in various N-P-K formulations, in order to cover the nutritional needs of all crops and to offer grower the possibility to choose the most suitable fertilizer for his crop.

### AVAILABLE FORMULATIONS

- 20-20-20 + TE
  - 19-19-19 + TE
  - 18-18-18 + TE
  - 30-10-10 + TE
  - 28-14-14 + TE
  - 10-50-10 + TE
  - 15-30-15 + TE
  - 22-9-22 + TE
  - 20-5-30 + TE
  - 18-3-35 + 0,5% MgO + TE
  - 15-10-30 + 2% MgO + TE
  - 12-8-24 + 4% MgO + TE
  - 12-0-38 + 4% MgO + TE
  - 12-12-36 + TE
  - 10-20-30 + TE
  - 6-12-36 + 2% MgO + TE
  - 15-7-22 + 10% CaO + TE
  - 6-12-44 + 2% MgO + TE
- Additional formulations are available upon request

### CROPS

All crops

### PROPERTIES

- They cover the nutritional needs of all crops.
- They give grower the possibility to choose the most suitable formulation of fertilizer for his crop.
- They contain marine plant *Ascophyllum nodosum* extract, which offers natural growth promoting factors and natural chelating agents.
- They contain L-amino acids which chelate nutrients and convert them into readily assimilable by plants forms.
- They improve crops yield and quality, increasing the profit of the farmer.
- They are chloride free.

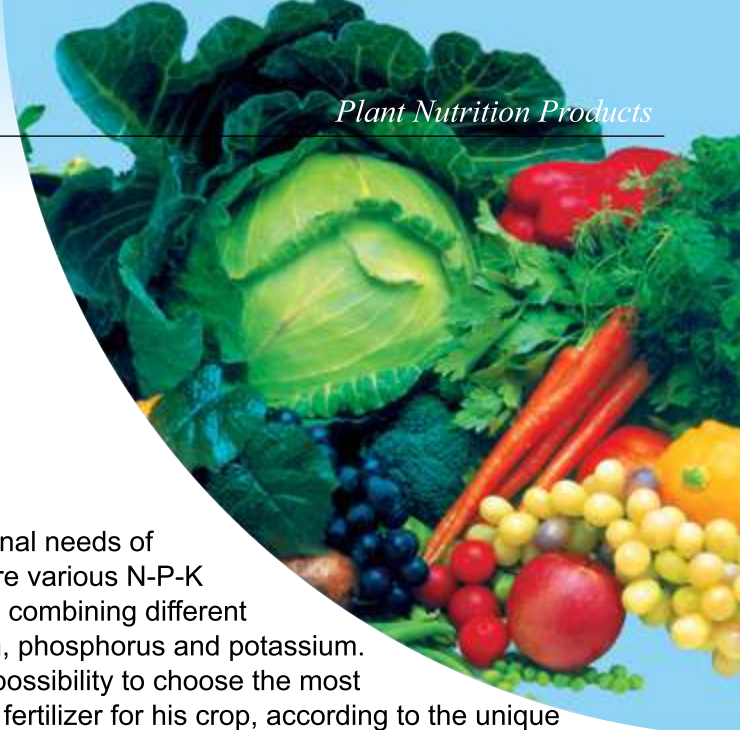
FORMULATIONS	Nitrate N	Ammonium N	Urea N	Organic N	FORMULATIONS	Nitrate N	Ammonium N	Urea N	Organic N	Calcium	Magnesium
20-20-20	5.1%	3.3%	11.3%	0.3%	18-3-35 + 0,5%MgO	11.1%	0.6%	0.0%	0.3%	0.0%	0.5%
19-19-19	4.7%	4.6%	9.4%	0.3%	15-10-30 + 2%MgO	7.4%	1.9%	5.4%	0.3%	0.0%	2.0%
18-18-18	3.8%	6.1%	7.8%	0.3%	12-8-24 + 4%MgO	5.8%	5.9%	0.0%	0.3%	0.0%	4.0%
30-10-10	3.0%	3.3%	23.4%	0.3%	12-0-38 + 4%MgO	11.1%	0.6%	0.0%	0.3%	0.0%	4.0%
28-14-14	3.5%	2.1%	22.1%	0.3%	12-12-36	7.0%	1.4%	3.3%	0.3%	0.0%	0.0%
10-50-10	1.5%	8.2%	22.1%	0.3%	10-20-30	5.8%	3.9%	0.0%	0.3%	0.0%	0.0%
15-30-15	4.4%	8.1%	2.2%	0.3%	6-12-36 + 2%MgO	4.1%	1.6%	0.0%	0.3%	0.0%	2.0%
22-9-22	5.8%	3.3%	12.6%	0.3%	15-7-22 + 10%CaO	9.9%	1.3%	3.5%	0.3%	10.0%	0.0%
20-5-30	6.5%	0.8%	12.4%	0.3%	6-12-44 + 2%MgO	5.7%	0.0%	0.0%	0.3%	0.0%	2.0%

- All formulations contain:
- Marine plant extract (1%)
  - L-amino acids (2%)
  - Trace elements (2%)
- Fe 1000 ppm (EDTA), Mn 500 ppm (EDTA),  
Zn 500 ppm (EDTA), Cu 500 ppm (EDTA),  
B 200 ppm (Salt), Mo 20 ppm (Salt)



### PACKAGES

Al. Foil bag	1 kg	box of 20 pieces
Al. Foil bag	2 kg	box of 10 pieces
Bag	10 kg	pallet of 108 bags
Bag	25 kg	pallet of 40 bags



# FAST-GROW

TOTALLY WATER SOLUBLE FERTILIZERS WITH TRACE ELEMENTS

The series **FAST GROW** includes N-P-K fertilizers, which are totally water soluble and contain the three main plant nutrients (nitrogen, phosphorus and potassium) in various proportions. Additionally, **FAST GROW** fertilizers are enriched with an excellent mixture of readily assimilable trace elements (iron, zinc, copper, manganese, boron, molybdenum) which play a key role in the growth and the vigor of plants.

### AVAILABLE FORMULATIONS

- 20-20-20 + TE
  - 19-19-19 + TE
  - 18-18-18 + TE
  - 30-10-10 + TE
  - 30-10-10 + 2% MgO + TE
  - 10-50-10 + TE
  - 15-30-15 + TE
  - 22-9-22 + TE
  - 18-9-18 + TE
  - 20-5-30 + TE
  - 18-3-36 + 0,5% MgO + TE
  - 15-10-29 + 2,5% MgO + TE
  - 12-8-24 + 4% MgO + TE
  - 12-0-42 + TE
  - 5-10-40 + 1,5% MgO + TE
  - 6-12-36 + 3% MgO + TE
  - 10-20-30 + TE
  - 3-15-28 + 8% MgO + TE
  - 9-30-25 + 1% MgO + TE
- Additional formulations are available upon request

### CROPS

All crops

### PROPERTIES

- They cover the nutritional needs of all crops since there are various N-P-K formulations available, combining different proportions of nitrogen, phosphorus and potassium.
- They give grower the possibility to choose the most suitable formulation of fertilizer for his crop, according to the unique characteristics of the soil, the nutritional needs of plants and their growth stage.
- They enhance crops yield and quality.
- They increase the profit of the farmer.
- They are chloride free.

FORMULATIONS	Nitrate N	Ammonium N	Urea N
20-20-20	5.9%	3.9%	10.2%
19-19-19	5.6%	5.9%	7.5%
18-18-18	4.0%	6.6%	7.4%
30-10-10	2.9%	4.1%	23.0%
10-50-10	0.8%	9.2%	0.0%
15-30-15	4.5%	8.5%	2.0%
22-9-22	5.0%	3.4%	13.6%
18-9-18	2.1%	8.0%	7.9%
20-5-30	6.8%	1.0%	12.2%
12-0-42	6.9%	5.1%	0.0%

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Magnesium
30-10-10 + 2%MgO	2.9%	2.0%	25.1%	2.0%
18-3-36 + 0,5%MgO	10.0%	0.3%	7.3%	0.5%
15-10-29 + 2,5%MgO	7.1%	2.0%	5.9%	2.5%
12-8-24 + 4%MgO	5.8%	6.2%	0.0%	4.0%
5-10-40 + 1,5%MgO	3.7%	1.3%	0.0%	1.5%
6-12-36 + 3%MgO	4.3%	1.7%	0.0%	3.0%
10-20-30	5.6%	4.4%	0.0%	0.0%
3-15-28 + 8%MgO	3.0%	0.0%	0.0%	8.0%
9-30-25 + 1%MgO	3.9%	5.1%	0.0%	1.0%

All formulations contain the following trace elements at a proportion of 1%:  
 Fe 500 ppm (EDTA), Mn 250 ppm (EDTA), Zn 250 ppm (EDTA), Cu 250 ppm (EDTA), B 100 ppm (Salt), Mo 10 ppm (Salt)



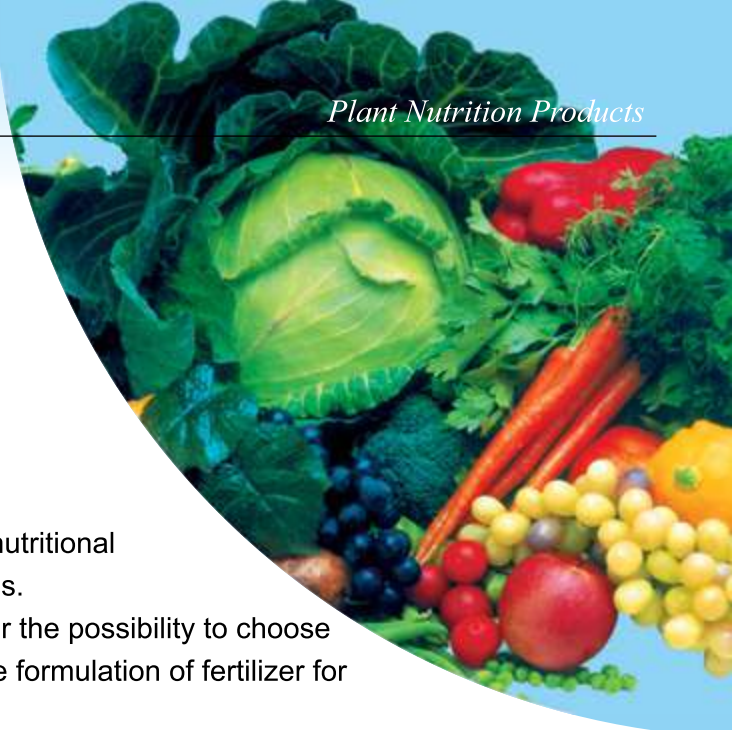
### PACKAGES

Al Foil Bag	1kg	box of 20 pieces
Al Foil Bag	2 kg	box of 10 pieces
Bag	25 kg	pallet of 40 bags



# FAST-GROW drip + TE

WATER SOLUBLE N-P-K FERTILIZERS  
WITH TRACE ELEMENTS ONLY FOR FERTIGATION



## FAST GROW drip + TE

fertilizers contain water soluble macronutrients (N, P, K) and chelated trace elements. **FAST GROW drip + TE** fertilizers are applied only through fertigation. They are available in various N-P-K formulations, combining different proportions of nitrogen, phosphorus and potassium in order to cover the nutritional needs of all crops and to offer grower the possibility to choose the most suitable fertilizer for his crop.

### AVAILABLE FORMULATIONS

- 20-20-20 + TE
- 19-19-19 + TE
- 18-18-18 + TE
- 30-10-10 + TE
- 28-14-14 + TE
- 10-50-10 + TE
- 15-30-15 + TE
- 22-9-22 + TE
- 20-5-30 + TE
- 18-3-35 + 0,5% MgO + TE
- 15-10-29 + 2,5% MgO + TE
- 12-8-24 + 4% MgO + TE
- 12-0-42 + TE
- 6-12-36 + 3% MgO + TE
- 10-20-30 + TE
- 12-12-24 + 10% CaO + TE

Additional formulations are available upon request

### CROPS

All crops

### PROPERTIES

- They cover the nutritional needs of all crops.
- They give grower the possibility to choose the most suitable formulation of fertilizer for each crop.
- They improve crops yield and quality, increasing the profit of the farmer.

FORMULATIONS	Nitrate N	Ammonium N	Urea N
20-20-20	1.6%	3.9%	14.5%
19-19-19	1.1%	5.3%	12.6%
18-18-18	1.1%	6.8%	10.1%
30-10-10	1.1%	4.2%	24.7%
28-14-14	1.1%	2.8%	24.1%
10-50-10	0.0%	10.0%	0.0%
15-30-15	1.1%	8.1%	5.8%
22-9-22	1.4%	3.3%	17.3%

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Calcium	Magnesium
20-5-30	1.0%	1.0%	18.0%	0.0%	0.0%
18-3-35 + 0,5%MgO	4.0%	0.6%	13.4%	0.0%	0.5%
15-10-29 + 2,5%MgO	1.5%	2.0%	11.5%	0.0%	2.5%
12-8-24 + 4%MgO	1.7%	6.4%	3.9%	0.0%	4.0%
12-0-42	1.2%	1.6%	9.2%	0.0%	0.0%
6-12-36 + 3%MgO	1.8%	4.2%	0.0%	0.0%	3.0%
10-20-30	1.1%	5.4%	3.5%	0.0%	0.0%
12-12-24 + 10% CaO	6.8%	2.4%	2.8%	10.0%	0.0%

All formulations contain the following trace elements:  
Fe 500 ppm (EDTA), Mn 250 ppm (EDTA),  
Zn 250 ppm (EDTA), Cu 250 ppm (EDTA),  
B 100 ppm (Salt), Mo 10 ppm (Salt)



### PACKAGES

Bag	25 kg	pallet of 40 bags
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# FAST-GROW drip

WATER SOLUBLE N-P-K FERTILIZERS  
ONLY FOR FERTIGATION

**FAST GROW drip** fertilizers contain water soluble macronutrients (N, P, K). They are applied only through fertigation. **FAST GROW drip** fertilizers are available in various N-P-K formulations, combining different proportions of nitrogen, phosphorus and potassium, in order to cover the nutritional needs of all crops and to offer grower the possibility to choose the most suitable fertilizer for his crop.

## AVAILABLE FORMULATIONS

- 20-20-20
- 19-19-19
- 18-18-18
- 30-10-10
- 28-14-14
- 10-50-10
- 15-30-15
- 22-9-22
- 20-5-30
- 18-3-35 + 0,5% MgO
- 15-10-29 + 2,5% MgO
- 12-8-24 + 4% MgO
- 12-0-42
- 6-12-36 + 3% MgO
- 10-20-30

Additional formulations are available upon request

## CROPS

All crops

## PROPERTIES

- They cover the nutritional needs of all crops.
- They give grower the possibility to choose the most suitable formulation of fertilizer for each crop.
- They improve crops yield and quality, increasing the profit of the farmer.

FORMULATIONS	Nitrate N	Ammonium N	Urea N
20-20-20	1.6%	3.9%	14.5%
19-19-19	1.1%	5.3%	12.6%
18-18-18	1.0%	7.0%	10.0%
30-10-10	1.1%	4.3%	24.6%
28-14-14	1.0%	2.7%	24.3%
10-50-10	0.0%	10.0%	0.0%
15-30-15	1.0%	8.2%	5.8%
22-9-22	1.4%	3.7%	16.9%

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Magnesium
20-5-30	1.0%	1.0%	18.0%	0.0%
18-3-35 + 0,5%MgO	4.0%	0.6%	13.4%	0.5%
15-10-29 + 2,5%MgO	1.4%	2.0%	11.6%	2.5%
12-8-24 + 4%MgO	1.7%	6.6%	3.7%	4.0%
12-0-42	1.0%	1.8%	9.2%	0.0%
6-12-36 + 3%MgO	1.6%	4.4%	0.0%	3.0%
10-20-30	1.0%	5.5%	3.5%	0.0%



## PACKAGES

Bag	25 kg	pallet of 40 bags
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# Genius

WATER SOLUBLE FERTILIZERS  
WITH ORGANIC AGENT



**Genius** series of fertilizers contains water soluble macronutrients (N, P, K) combined with trace elements and organic agent. The organic agent contained helps in the chelation of trace elements and the better absorption of macronutrients. **Genius** fertilizers are made of high purity raw materials, which do not contain impurities and heavy metals. When diluted in water, they are perfectly dissolved and they do not create sediment in the tank. They are available in various N-P-K formulations, in order to cover the nutritional needs of all crops and to offer grower the possibility to choose the most suitable fertilizer for his crop.

### AVAILABLE FORMULATIONS

- 20-20-20 + TE
- 18-18-18 + TE
- 30-10-10 + TE
- 15-30-15 + TE
- 12-48-8 + TE
- 20-5-30 + TE
- 18-9-27 + TE
- 15-5-35 + TE
- 12-12-36 + TE
- 12-8-24 + 4% MgO + TE
- 8-16-32 + 2% MgO + TE
- 5-10-40 + TE

Additional formulations are available upon request

### CROPS

All crops

### PROPERTIES

- They cover the nutritional needs of all crops.
- They give growers the possibility to choose the most suitable formulation of fertilizer for their crop.
- They contain organic agent which acts as a chelating agent of trace elements and enhances the absorption of macronutrients.
- They improve crops yield and quality, increasing the profit of the farmer.
- They are chloride free.

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Magnesium
20-20-20	4,3%	3,6%	12,1%	0,0%
18-18-18	4,1%	6,1%	7,8%	0,0%
30-10-10	2,5%	3,4%	24,1%	0,0%
15-30-15	3,1%	7,3%	4,6%	0,0%
12-48-8	2,5%	9,5%	0,0%	0,0%
20-5-30	6,5%	1,0%	12,5%	0,0%
18-9-27	4,8%	1,9%	11,3%	0,0%
15-5-35	6,3%	1,0%	7,7%	0,0%
12-12-36	9,6%	2,4%	0,0%	0,0%
12-8-24 + 4%MgO	2,7%	3,8%	5,5%	4,0%
8-16-32 + 2%MgO	4,5%	3,5%	0,0%	2,0%
5-10-40	3,0%	2,0%	0,0%	0,0%

All formulations contain:

- Organic agent 1%
- The following trace elements: Fe 1000 ppm (Salt), Mn 300 ppm (Salt), Zn 300 ppm (Salt), Cu 70 ppm (Salt), B 230 ppm (Salt)



### PACKAGES

Bag	25 kg	pallet of 40 bags
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# Euphoria

WATER SOLUBLE FERTILIZERS  
WITH ORGANIC AGENT

The series **Euphoria** includes N-P-K fertilizers, which are totally water soluble and contain the three main plant nutrients (nitrogen, phosphorus and potassium) in various proportions. Additionally, **Euphoria** fertilizers are enriched with an excellent mixture of readily assimilable trace elements (iron, zinc, copper, manganese, boron, molybdenum) which play a key role in the growth and the vigor of plants.

### AVAILABLE FORMULATIONS

- 20-20-20 + TE
- 19-19-19 + TE
- 18-18-18 + 2% MgO + TE
- 30-10-10 + TE
- 15-30-15 + TE
- 10-48-8 + TE
- 15-5-30 + 2% MgO + TE
- 5-10-40 + TE
- 6-6-43 + TE

Additional formulations are available upon request

### CROPS

All crops

### PROPERTIES

- They cover the nutritional needs of all crops since there are various N-P-K formulations available, combining different proportions of nitrogen, phosphorus and potassium.
- They give growers the possibility to choose the most suitable formulation of fertilizer for their crop, according to the unique characteristics of the soil, the nutritional needs of plants and their growth stage.
- They enhance crops yield and quality.
- They increase the profit of the farmer.
- They are chloride free.

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Magnesium
20-20-20	5,0%	4,0%	11,0%	0,0%
19-19-19	4,0%	4,8%	10,2%	0,0%
18-18-18 + 2%MgO	3,8%	4,1%	10,1%	2,0%
30-10-10	2,2%	3,8%	24,0%	0,0%
15-30-15	2,5%	7,2%	5,3%	0,0%
10-48-8	0,0%	10,0%	0,0%	0,0%
15-5-30+ 2%MgO	3,6%	1,0%	10,4%	2,0%
5-10-40	3,0%	2,0%	0,0%	0,0%
6-6-43	4,8%	1,2%	0,0%	0,0%

All formulations contain the following trace elements:  
Fe 550 ppm (EDTA), Mn 125 ppm (EDTA), Zn 125 ppm (EDTA),  
Cu 40 ppm (EDTA), B 140 ppm (Salt), Mo 5 ppm (Salt)



### PACKAGES

Bag 25 kg      pallet of 40 bags

# Nutri MEAL

TOTALLY WATER SOLUBLE FERTILIZERS  
WITH TRACE ELEMENTS



The series **NUTRI MEAL** consists of N-P-K fertilizers which are fully water soluble and contain the three main plant nutrients (nitrogen, phosphorus and potassium) at various proportions. Additionally, **NUTRI MEAL** fertilizers are enriched with an excellent mixture of readily assimilable trace elements (iron, zinc, copper, manganese, boron, molybdenum) which play a key role in the growth and good health of plants.

## AVAILABLE FORMULATIONS

- 20-20-20 + TE
- 19-19-19 + TE
- 30-10-10 + TE
- 10-52-8 + TE
- 15-30-15 + TE
- 20-5-30 + TE
- 15-10-29 + 1% MgO + TE
- 12-8-24 + 4% MgO + TE
- 6-12-36 + 2% MgO + TE

Additional formulations are available upon request

## CROPS

All crops

## PROPERTIES

- They cover the nutritional needs of all crops since there are various N-P-K formulations available, combining different proportions of nitrogen, phosphorus and potassium.
- They give grower the possibility to choose the most suitable formulation of fertilizer for his crop, according to the unique characteristics of the soil, the nutritional needs of plants and their growth stage.
- They enhance crops yield and quality.
- They increase the profit of the farmer.
- They are suitable for foliar application and fertigation.

FORMULATIONS	Nitrate N	Ammonium N	Urea N
20-20-20	3.2%	4.1%	12.7%
19-19-19	2.6%	5.5%	10.9%
30-10-10	1.3%	4.8%	23.9%
10-52-8	0.0%	10.0%	0.0%
15-30-15	0.9%	7.8%	6.3%

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Magnesium
20-5-30	4.4%	1.2%	14.4%	0.0%
15-10-29 + 1%MgO	2.5%	2.0%	10.5%	1.0%
12-8-24 + 4%MgO	1.3%	5.8%	4.9%	4.0%
6-12-36 + 2%MgO	1.6%	2.5%	1.9%	2.0%

All formulations contain the following trace elements deriving from chelated micronutrients and sodium salts:  
Fe 250 ppm (EDTA), Mn 125 ppm (EDTA),  
Zn 125 ppm (EDTA), Cu 125 ppm (EDTA),  
B 50 ppm (Salt), Mo 5 ppm (Salt)



## PACKAGES

Al. Foil bag	1 kg	box of 20 pieces
Al. Foil bag	2 kg	box of 10 pieces
Bag	25 kg	pallet of 40 bags

# Nutri MEAL AA

TOTALLY WATER SOLUBLE FERTILIZERS WITH AMINOACIDS & TRACE ELEMENTS



The series **NUTRI MEAL AA** consists of N-P-K fertilizers which are fully water soluble and contain the three main plant nutrients (nitrogen, phosphorus and potassium) at various proportions. Additionally, **NUTRI MEAL AA** fertilizers are enriched with an excellent mixture of aminoacids and readily assimilable trace elements (iron, zinc, copper, manganese, boron, molybdenum) which play a key role in the growth and good health of plants.

## AVAILABLE FORMULATIONS

- 20-20-20 + TE
- 19-19-19 + TE
- 30-10-10 + TE
- 15-30-15 + TE
- 10-52-8 + TE
- 6-12-36 + 2% MgO + TE
- 15-10-29 + 1% MgO + TE
- 12-8-24 + 3% MgO + TE
- 20-5-30 + TE

Additional formulations are available upon request

## CROPS

All crops

## PROPERTIES

- They cover the nutritional needs of all crops since there are various N-P-K formulations available, combining different proportions of nitrogen, phosphorus and potassium.
- They give grower the possibility to choose the most suitable formulation of fertilizer for his crop, according to the unique characteristics of the soil, the nutritional needs of plants and their growth stage.
- They enhance crops yield and quality.
- They increase the profit of the farmer.
- They are suitable for foliar application and fertigation.

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Organic N
20-20-20	4,3%	4,2%	11,2%	0,3%
19-19-19	2,6%	5,5%	10,9%	0,3%
30-10-10	1,3%	4,8%	23,9%	0,3%
10-52-8	0,0%	10,0%	0,0%	0,3%
15-30-15	0,9%	7,8%	6,3%	0,3%

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Organic N	Magnesium
20-5-30	4,4%	1,2%	14,4%	0,3%	0,0%
15-10-29 + 1%MgO	2,5%	2,0%	10,5%	0,3%	1,0%
12-8-24 + 3%MgO	1,3%	5,8%	4,9%	0,3%	4,0%
6-12-36 + 2%MgO	1,6%	2,5%	1,9%	0,3%	2,0%

All formulations contain aminoacids 2% and the following trace elements:  
 Fe 250 ppm (EDTA), Mn 125 ppm (EDTA), Zn 125 ppm (EDTA), Cu 125 ppm (EDTA), B 50 ppm (Salt), Mo 5 ppm (Salt)

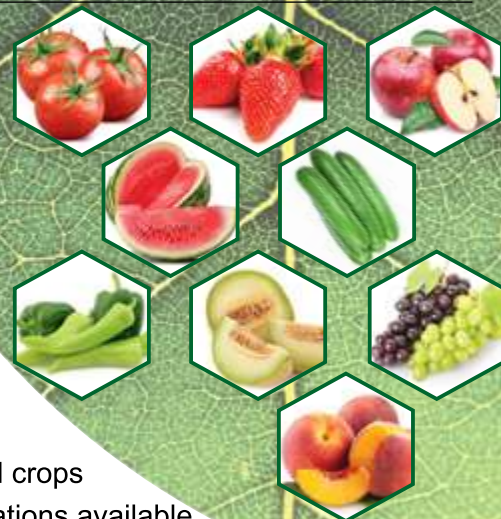


## PACKAGES

Bag	25 kg	pallet of 40 bags
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# Speed Up

TOTALLY WATER SOLUBLE FERTILIZERS  
WITH TRACE ELEMENTS



**SPEED-UP** series includes water soluble N-P-K fertilizers, which display a high water solubility and contain the three essential elements for the nutrition of all plants (nitrogen, phosphorus and potassium) at various proportions. Moreover, they are enriched with a perfect mixture of readily absorbable trace elements (iron, zinc, copper, manganese, boron, molybdenum), which perform an important role in plants growth and health.

**AVAILABLE FORMULATIONS**

- 20-20-20 + TE
- 30-10-10 + TE
- 10-50-10 + TE
- 15-30-15 + TE
- 25-10-20 + TE
- 20-5-30 + TE
- 15-10-30 + TE
- 12-8-40 + TE
- 10-5-43 + TE
- 4-8-46 + TE

Additional formulations are available upon request

**CROPS**

All crops

**PROPERTIES**

- They cover the nutritional needs of all crops since there are various N-P-K formulations available, combining different proportions of nitrogen, phosphorus and potassium.
- They give grower the possibility to choose the most suitable formulation of fertilizer for his crop, according to the unique characteristics of the soil, the nutritional needs of plants and their growth stage.
- They enhance crops yield and quality.
- They increase the profit of the farmer.

FORMULATIONS	Nitrate N	Ammonium N	Urea N
20-20-20+TE	0%	4.0%	16.0%
30-10-10+TE	0%	4.4%	25.6%
10-50-10+TE	0%	10.0%	0.0%
15-30-15+TE	0%	8.2%	6.8%
25-10-20+TE	0%	2.7%	22.3%

FORMULATIONS	Nitrate N	Ammonium N	Urea N
20-5-30+TE	0%	1.6%	18.4%
15-10-30+TE	0%	4.1%	10.9%
12-8-40+TE	0%	1.8%	10.2%
10-5-43+TE	0%	2.0%	8.0%
4-8-46+TE	0%	4.0%	0%

All formulations contain the following trace elements:  
Fe 400 ppm (EDTA), Mn 100 ppm (EDTA)  
Zn 100 ppm (EDTA), Cu 30 ppm (EDTA)  
B 100 ppm (salt), Mo 4 ppm (salt)

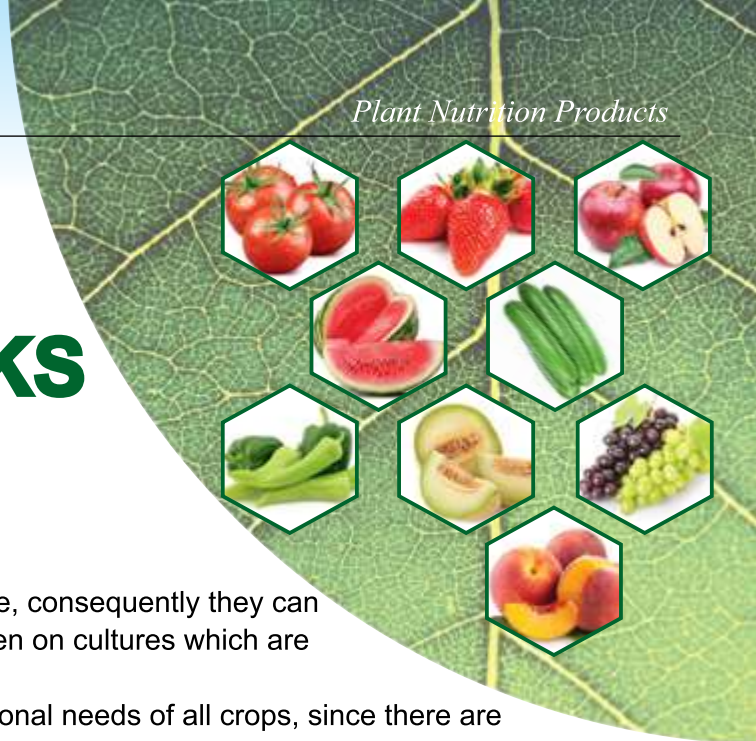


**PACKAGES**

Bag	25 kg	pallet of 40 bags
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# Speed Up **KS**

TOTALLY WATER SOLUBLE FERTILIZERS WITH TRACE ELEMENTS



**SPEED-UP KS** series includes water soluble, chloride-free, N-P-K fertilizers, which display high water solubility and contain the three essential elements for the nutrition of all plants (nitrogen, phosphorus and potassium) at various proportions. The potassium they contain derives from potassium sulphate and they are enriched with a perfect mixture of readily absorbable trace elements (iron, zinc, copper, manganese, boron), which perform an important role in plants growth and health.

**AVAILABLE FORMULATIONS**

- 20-20-20 + TE
- 19-19-19 + TE
- 30-10-10 + TE
- 10-51-8 + TE
- 15-30-15 + TE
- 20-5-10 + 2MgO + TE
- 10-10-30 + TE
- 6-12-36 + TE
- 4-4-44 + TE

Additional formulations are available upon request

**CROPS**

All crops

**PROPERTIES**

- They are chloride-free, consequently they can be applied foliarly even on cultures which are chloride-sensitive.
- They cover the nutritional needs of all crops, since there are various N-P-K formulations available, combining different proportions of nitrogen, phosphorus and potassium.
- They give grower the possibility to choose the most suitable formulation of fertilizer for his crop, according to the unique characteristics of the soil, the nutritional needs of plants and their growth stage.
- They enhance crops yield and quality.
- They increase the profit of the farmer.

FORMULATIONS	Nitrate N	Ammonium N	Urea N
20-20-20	0.0%	2.2%	17.8%
19-19-19	0.0%	3.9%	15.1%
30-10-10	0.0%	3.0%	27.0%
10-51-8	0.0%	10.0%	0.0%
15-30-15	0.0%	6.2%	8.8%

FORMULATIONS	Nitrate N	Ammonium N	Urea N	Magnesium
20-5-10 + 2%MgO	0.0%	10.2%	9.8%	2.0%
10-10-30	0.0%	4.0%	6.0%	0.0%
6-12-36	0.0%	2.4%	3.6%	0.0%
4-4-44	0.0%	0.9%	3.1%	0.0%

All formulations contain the following trace elements: Fe 470 ppm, Mn 125 ppm, Zn 125 ppm, Cu 30 ppm, B 100 ppm



**PACKAGES**

Bag	25 kg	pallet of 40 bags
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# **CHEMICAL FERTILIZERS**

**Water-Soluble  
N-P, P-K And N-K  
Fertilizers**



# FAST-GROW

WATER SOLUBLE FERTILIZERS  
RAW MATERIALS

The series of **FAST GROW** raw materials includes a big variety of water soluble N-P, P-K and N-K fertilizers, as well as Calcium and Magnesium fertilizers, which are used as raw materials for the production of complex NPK fertilizers. They can be applied to all crops in order to cover their nutritional needs. All formulations are characterized by their high purity and water solubility.

### FORMULATIONS

- 46-0-0 (UREA prilled-Low biuret urea)
- 21-0-0 (AS-Ammonium Sulphate)
- 12-61-0 (MAP-Monoammonium Phosphate)
- 21-53-0 (DAP-Diammonium Phosphate)
- 17-44-0 (UP-Urea Phosphate)
- 0-52-34 (MKP-Mono-potassium phosphate)
- 0-0-0 + 16MgO (MgSO<sub>4</sub>+7H<sub>2</sub>O-Magnesium Sulphate heptahydrate)
- 15.5-0-0+26.5CaO (CAN-Calcium Nitrate)
- 10,5-0-0+15.5MgO (MGN-Magnesium Nitrate)
- 13.5-0-46 (NOP-Potassium Nitrate)
- 0-0-51 (SOP-Potassium Sulfate)
- 0-0-61 (MOP-Muriate of Potash)

### CROPS

All crops

### PROPERTIES

- They derive from chemical compounds of high purity, without impurities and heavy metals.
- They cover the nutritional needs of all cultures.
- They increase crops yield and quality, augmenting the profit of the farmer.

FORMULA-TIONS	Total Nitrogen	Nitrate Nitrogen	Ammlcal Nitrogen	Urea Nitrogen	Phos-phorus	Potassium	Calcium	Magnesium
UREA prilled	46.0%	0.0%	0.0%	46.0%	0.0%	0.0%	0.0%	0.0%
AS	21.0%	0.0%	21.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MAP	12.0%	0.0%	12.0%	0.0%	61.0%	0.0%	0.0%	0.0%
DAP	21.0%	0.0%	21.0%	0.0%	53.0%	0.0%	0.0%	0.0%
UP	17.0%	0.0%	0.0%	17.0%	44.0%	0.0%	0.0%	0.0%
MKP	0.0%	0.0%	0.0%	0.0%	52.0%	34.0%	0.0%	0.0%
MGS-7H <sub>2</sub> O	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.0%
CAN	15.5%	14.5%	1.0%	0.0%	0.0%	0.0%	26.5%	0.0%
MGN	10.5%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	15.5%
NOP	13.5%	13.5%	0.0%	0.0%	0.0%	46.0%	0.0%	0.0%
SOP	0.0%	0.0%	0.0%	0.0%	0.0%	51.0%	0.0%	0.0%
MOP	0.0%	0.0%	0.0%	0.0%	0.0%	61.0%	0.0%	0.0%



### PACKAGES

Bag	25 kg	pallet of 40 bags
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# HP-tech

## WATER SOLUBLE FERTILIZERS

The series of **HP-tech (High Purity technology)** complex fertilizers includes a big variety of water soluble N-P, P-K and N-K fertilizers, as well as Calcium and Magnesium fertilizers. They can be applied to all crops through fertigation or foliar spraying, in order to cover their nutritional needs. All **HP-tech** formulations are characterized by their high purity, since they don't contain heavy metals and other impurities and they are totally water soluble.

### FORMULATIONS

- 46-0-0 (UREA prilled-Low biuret urea)
- 21-0-0 (AS-Ammonium Sulphate)
- 12-61-0 (MAP-Monoammonium Phosphate)
- 21-53-0 (DAP-Diammonium Phosphate)
- 17-44-0 (UP-Urea Phosphate)
- 0-52-34 (MKP-Mono-potassium phosphate)
- 0-0-0 + 16MgO (MgSO<sub>4</sub>+7H<sub>2</sub>O-Magnesium Sulphate heptahydrate)
- 15.5-0-0+26.5CaO (CAN-Calcium Nitrate)
- 10,5-0-0+15.5MgO (MGN-Magnesium Nitrate)
- 13.5-0-46 (NOP-Potassium Nitrate)
- 0-0-51 (SOP-Potassium Sulfate)
- 0-0-61 (MOP-Muriate of Potash)

### CROPS

All crops

### PROPERTIES

- They derive from chemical compounds of high purity, without impurities and heavy metals.
- They cover the nutritional needs of all cultures.
- They increase crops yield and quality, augmenting the profit of the farmer.

FORMULATION	Total Nitrogen	Nitrate Nitrogen	Ammonium Nitrogen	Urea Nitrogen	Phos-phorus	Potassium	Calcium	Magnesium
UREA prilled	46,0%	0,0%	0,0%	46,0%	0,0%	0,0%	0,0%	0,0%
AS	21,0%	0,0	21,0%	0,0%	0,0%	0,0%	0,0%	0,0%
MAP	12,0%	0,0%	12,0%	0,0%	61,0%	0,0%	0,0%	0,0%
DAP	21,0%	0,0%	21,0%	0,0%	53,0%	0,0%	0,0%	0,0%
UP	17,0%	0,0%	0,0%	17,0%	44,0%	0,0%	0,0%	0,0%
MKP	0,0%	0,0%	0,0%	0,0%	52,0%	34,0%	0,0%	0,0%
MGS-7H <sub>2</sub> O	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	16,0%
CAN	15,5%	14,5%	1,0%	0,0%	0,0%	0,0%	26,5%	0,0%
MGN	10,5%	10,5%	0,0%	0,0%	0,0%	0,0%	0,0%	15,5%
NOP	13,5%	13,5%	0,0%	0,0%	0,0%	46,0%	0,0%	0,0%
SOP	0,0%	0,0%	0,0%	0,0%	0,0%	51,0%	0,0%	0,0%
MOP	0,0%	0,0%	0,0%	0,0%	0,0%	61,0%	0,0%	0,0%



### PACKAGES

Bag	25 kg	pallet of 40 bags
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# **CHEMICAL FERTILIZERS**

## **Liquid Fertilizers**

# GROWER

LIQUID CONDENSED FERTILIZERS



**GROWER** liquid fertilizers contain the main nutrients (N-P-K) at various proportions. Due to the origin of their raw materials, **GROWER** liquid fertilizers act with precision and efficiency, achieving high results. All formulations contain slow release nitrogen, consequently they are not phytotoxic and they do not pollute the environment.

### AVAILABLE TYPES

- **10-10-10** where 75 % of total nitrogen is slow release nitrogen
- **15-5-5** where 80 % of total nitrogen is slow release nitrogen
- **8-32-5** where 50 % of total nitrogen is slow release nitrogen
- **3-6-18** where 65 % of total nitrogen is slow release nitrogen

### CROPS

All crops

### PROPERTIES

- They cover fast and efficiently plants needs in main nutrients.
- They have sticking properties and, as a result, they are neither rinsed off nor evaporized when applied foliarly.
- They assist in the multiplication of beneficial soil microorganisms, since they contain a high percentage of chemical organic carbon compounds.
- They have a very low phytotoxicity index and they do not leave salts in the ground.
- They are environmentally friendly.

FORMULATION	Total N	Slow release N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
10-10-10	10,0%	7,5%	10,0%	10,0%
15-5-5	15,0%	12,0%	5,0%	5,0%
8-32-5	8,0%	4,0%	32,0%	5,0%
3-6-18	3,0%	2,0%	6,0%	18,0%



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 16 pieces
Plastic Cont. 4 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# GROWER

## 30 - 0 - 0

LIQUID SLOW RELEASE  
NITROGEN FERTILIZER



**GROWER 30-0-0** is a liquid slow release nitrogen fertilizer. 85% of its nitrogen derives from water soluble polymethylene urea, which is a perfect source of slow release nitrogen. Nitrogen release takes place gradually, during a time span of 4 - 8 weeks. **GROWER 30-0-0** has sticking properties and a very low phytotoxicity index.

**STANDARD ANALYSIS (w/w)**

- Slow Release Nitrogen 30.00 %  
Polymethylene Nitrogen 25.50%  
Urea Nitrogen 4.50 %

**CROPS**

Vegetables-Horticulture  
Trees  
Vineyard  
Cotton  
Tobacco  
Potatoes  
Sugar beets  
Strawberries  
Fodders  
Bushes

**PROPERTIES**

- It releases nitrogen gradually.
- It consists an energy source for soil beneficial microorganisms.
- Nitrogen release acts in conjunction with the increase of soil temperature, microbial activity and increased nitrogen needs of plants.
- It is resistant to evaporation and leaching thanks to the nitrogen form it contains.
- It does not contain suspended particles, it does not need any special agitation and it is ideal for all fertilization systems.
- It can be used as a chemical sticking agent.



**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 4 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
Plastic Drum 200 l	-	-
*Pl.Tank (IBC) 1,000 l	-	-

\*Available upon request

# GROWER

## 6 - 24 - 0



LIQUID NITROGEN - PHOSPHORUS FERTILIZER

**GROWER 6-24-0** is a liquid nitrogen-phosphorus fertilizer, deriving from ammonium polyphosphate. **GROWER 6-24-0** is a clear solution, totally water soluble, which is rapidly absorbed by plant tissues of leaves and root.

**STANDARD ANALYSIS (w/w)**

- Nitrogen (N) .....6.00 %
- Ammoniacal Nitrogen (N) 6.00 %
- Phosphorus(P<sub>2</sub>O<sub>5</sub>) ..... 24.00 %

**CROPS**

- Vegetables-Horticulture
- Root-Tuberous crops
- Potatoes
- Strawberries
- Nut trees
- Stone fruits
- Pome trees
- Avocados-Kiwis-Bananas and other tropic crops
- Citrus trees
- Olive trees
- Vineyard
- Corn-Sweet Corn
- Cereals
- Legumes-Soya-Oil seeds
- Cotton
- Turfs-Urban green

**PROPERTIES**

- The contained phosphorus is 100% soluble and readily available to plants.
- The contained nitrogen is ammoniacal and is not easily leached, remaining available to plants for a longer period.
- Nitrogen is bound to phosphorus and, as a result, it is not easily evaporized.
- Since phosphorus derives from polyphosphate acid, it promotes the retention of micronutrients in solution, increasing their availability and uptake by plants.
- It is easy to handle since it is in liquid form.



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 16 pieces
Plastic Cont. 4 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# GROWER

## 0 - 29 - 26

LIQUID CONDENSED FERTILIZER



**GROWER 0-29-26** is a highly concentrated PK fertilizer (Phosphorus-Potassium) containing potassium phosphite compounds. **GROWER 0-29-26** is a clear solution, totally water soluble, which is directly absorbed by plant tissues of leaves and roots.

**STANDARD ANALYSIS (w/w)**

- Phosphorus (P<sub>2</sub>O<sub>5</sub>) .....29.00 %
- Potassium (K<sub>2</sub>O) .....26.00 %

**CROPS**

- Vegetables-Horticulture
- Strawberries
- Potatoes-Onions
- Root-Tuberous crops
- Legumes
- Nut trees
- Stone fruits
- Pome trees
- Kiwis
- Citrus trees
- Olive trees
- Table grapes
- Wine grapes
- Corn-Sweet corn
- Wheat-Barley-Sorghum

**PROPERTIES**

- It is absorbed much faster in comparison with phosphate fertilizers, covering more efficiently the needs in phosphorus and potassium.
- It releases phosphorus gradually during the various growth stages of the crop.
- It promotes growth of above ground plant part and root.
- It contributes to the achievement of high yields and improved crop quality.
- It improves the physical condition of the plant.
- It increases the resistance of the plant against adverse conditions, caused by environmental and other factors.
- It is environmentally friendly.



*Enhances plants robustness*



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 16 pieces
Plastic Cont. 4 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request





# GROWER

## 0 - 0 - 27

LIQUID CONDENSED FERTILIZER



**GROWER 0-0-27** is a liquid fertilizer with high percentage in potassium, which derives from potassium carbonate and for this reason has a very low salt index. Moreover, the presence of humic and fulvic acids, as well as marine plants extract in **GROWER 0-0-27** increases potassium uptake and improves air circulation in the soil, resulting in the formation of a more vigorous and healthy root system by plants.

**STANDARD ANALYSIS (w/w)**

- Potassium (K<sub>2</sub>O) ..... 27.00 %
- Humic and Fulvic acids
- Marine plants extract

**CROPS**

All crops

**PROPERTIES**

- It promotes root growth and enhances resistance against drought.
- It enhances photosynthesis and carbohydrates formation.
- It assists with the transportation of sugars and starch.
- It increases protein content of plants.
- It assists with water uptake by plants.
- It activates leaf stomata for the proper exchange of CO<sub>2</sub>, oxygen and humidity.
- It improves fruit set and maturity.
- It prolongs fruit shelf life.



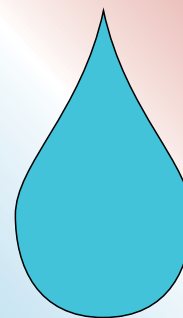
**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 4 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request

# Nutri MEAL

LIQUID N-P-K FERTILIZERS *fluid*



**Nutri MEAL fluid** fertilizers are a series of liquid, clear fertilizers, specially designed to provide plants with the essential nutrients (N-P-K) throughout their growth. Regular application of **Nutri MEAL fluid** fertilizers ensures high yields and increased profits for the growers.

**AVAILABLE FORMULATIONS**

- 10-10-10
- 15-5-5
- 6-15-5
- 8-4-19

**CROPS**

All crops

**PROPERTIES**

- They derive from raw materials of high purity.
- They do not contain heavy metals and they do not form precipitates.
- They are suitable both for fertigation and foliar spraying.
- They do not clog nozzles of fertigation and spraying systems.
- They improve air circulation in soil, limiting root rots.
- They are chloride free.

FORMULATIONS	N-Nitrate	N-Ammonium	N-Urea
10-10-10	1,0%	2,9%	6,1%
15-5-5	1,4%	2,0%	11,6%
6-15-5	0,0%	6,0%	0,0%
8-4-19	0,0%	1,6%	6,4%



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 16 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
Plastic Drum 200 l	-
Pl. Tank (IBC) 1,000 l	-

# Azoto-S

LIQUID NITROGEN FERTILIZER

**Azoto-S** is a clear liquid nitrogen fertilizer which is specially designed for fruit crops. It is very effective and totally water soluble. **Azoto-S** is applied easily by foliar spraying and fertigation, providing crops nitrogen for the quick growth of fruits, as well as sulphur for quality improvement of fruits. Furthermore, **Azoto-S** is applied to field crops, such as oilseed rapes, cereals, pastures, fodders, corns, potatoes and horticulture, for the coverage of their needs in nitrogen and sulphur .

### STANDARD ANALYSIS

- Total Nitrogen (N) .....15.00%
- Urea Nitrogen ..... 5.00%
- Nitrogen deriving from ammonia thiosulfate ..... 10.00%
- Total Sulfur (S) .....22.00%

### CROPS

- Apples
- Cherries-Plums
- Other fruit trees
- Vegetables
- Row crops
- Oilseed rape
- Cereals
- Pastures-Fodders
- Corn
- Cotton

### PROPERTIES

- It is very effective and totally water soluble.
- It promotes fruit growth.
- It is particularly effective as thinning agent on pome crops.
- It increases yield per tree in fruit crops as well as the number of class A' fruits, which are extensively requested by the market.



### PACKAGES

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request

# Thio-S-Kal

LIQUID POTASSIUM THIOSULFATE FERTILIZER

**Thio-S-Kal** is a clear liquid potassium and sulfur fertilizer, composed exclusively by potassium thiosulfate. It covers high potassium needs that most crops exhibit during rapid growth and fruit sizing stages. **Thio-S-Kal** offers an ideal combination of potassium-sulfur at a readily assimilable form, which contributes to the creation of highly productive plants and of excellent crop quality.

**STANDARD ANALYSIS**

- Total Potassium (K<sub>2</sub>O) ..... 25%
- Total Sulfur (S) ..... 17%

**CROPS**

- Trees
- Vineyards
- Vegetables-Horticulture
- Row crops
- Cotton
- Corn
- Clover-Alfalfa
- Peas-Lentils
- Potatoes
- Cereals
- Tomatoes

**PROPERTIES**

- It consists an excellent, easy-to-handle and economic source of potassium and sulfur.
- Sulfur offers high yields and harvest quality.
- Potassium contributes to cell divisions and is involved in the formation of proteins and carbohydrates.
- It increases crops yield and quality.
- It improves fruits color.
- It releases bound-to-soil trace elements.
- It enhances crops resistance against various stress factors.
- It is chloride free.



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 16 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
Plastic Drum 200 l	-
Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Thio-S-Am

LIQUID NITROGEN THIOSULFATE FERTILIZER

**Thio-S-Am** is a clear liquid nitrogen and sulphur fertilizer, consisting exclusively of ammonium thiosulfate, which increases crops yield by affecting nitrogen-sulfur balance in the soil and by increasing sulfur content in soils poor in sulfur. Furthermore, **Thio-S-Am** helps plants assimilate and utilise more efficiently other soil nutrients as well. **Thio-S-Am** is degraded by soil microorganisms and, as a result, nitrogen and sulfur are released. Besides, **Thio-S-Am** reduces nitrate nitrogen losses due to leaching and ammonia nitrogen losses due to evaporation, since it acts as nitrification and urease inhibitor.

**STANDARD ANALYSIS**

- Total Nitrogen (N) ..... 12%
- Total Sulfur (S) ..... 26%

**CROPS**

- Vegetables-Horticulture
- Row crops
- Trees
- Vineyards
- Cereals
- Pastures
- Fodders

**PROPERTIES**

- It consists an excellent source of nitrogen and sulphur for crops.
- It reduces sodium and bicarbonates levels in soil.
- It reduces soil pH.
- It increases soil micronutrients availability.
- It improves water and air penetration in the soil.
- It restricts soil nitrogen nitrification.



**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	16 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
Plastic Drum 200 l	-	-
Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request

# ADJUVANTS



# BACTA-FOOD

NUTRITIONAL SUBSTRATES FOR  
BENEFICIAL MICROORGANISMS

# FUNGI-FOOD



Certified in Organic  
Agriculture

**BACTA-FOOD** is a liquid substrate of organic compounds which assists bacteria to get activated by moving from the latent state (spores) in the vegetative one. Respectively **FUNGI-FOOD** is a liquid substrate of organic compounds that assists fungi to get activated by moving from the latent state (conides) in the form of mycelium.

**CROPS**

All crops

**PROPERTIES**

- They stimulate the growth and the proliferation of beneficial bacteria and fungi.
- They enhance the effectiveness of products which contain beneficial bacteria and fungi.



Enhances  
plants  
robustness



**PACKAGES**

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1l	box of 16 pieces
*Plastic Cont. 5l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200l	-
Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# 3-action

ADHESIVE -  
SURFACTANT AGENT

**3-action** is a non-ionic surfactant agent with a triple action:

- Adhesive
- Wetting - Swarming agent
- Leaf - penetrating agent

It is specially designed to be used with plant-protection products (insecticides, fungicides, herbicides, wettable sulphur, copper), plant growth regulators and foliar nutrition products (foliar fertilizers, trace elements, biostimulants etc), in order to improve their effectiveness and facilitate the user in the application of spraying solutions.

**STANDARD ANALYSIS**

Alkoxylated alcohol .....30 %  
Plant Extracts .....20 %  
Auxiliary Substances.....50 %

**CROPS**

- Vegetables
- Fodders
- Biofuel crops
- Legumes
- Cotton
- Sugarcanes
- Olives
- Citrus
- Pome trees
- Stone trees
- Nut trees
- Herbs
- Ornamental plants

**PROPERTIES**

- Perfect wetting and coating of foliar surface.
- High adhesion of the spraying solution and diminution of draining.
- Increase of spraying solution penetration into plant cells.



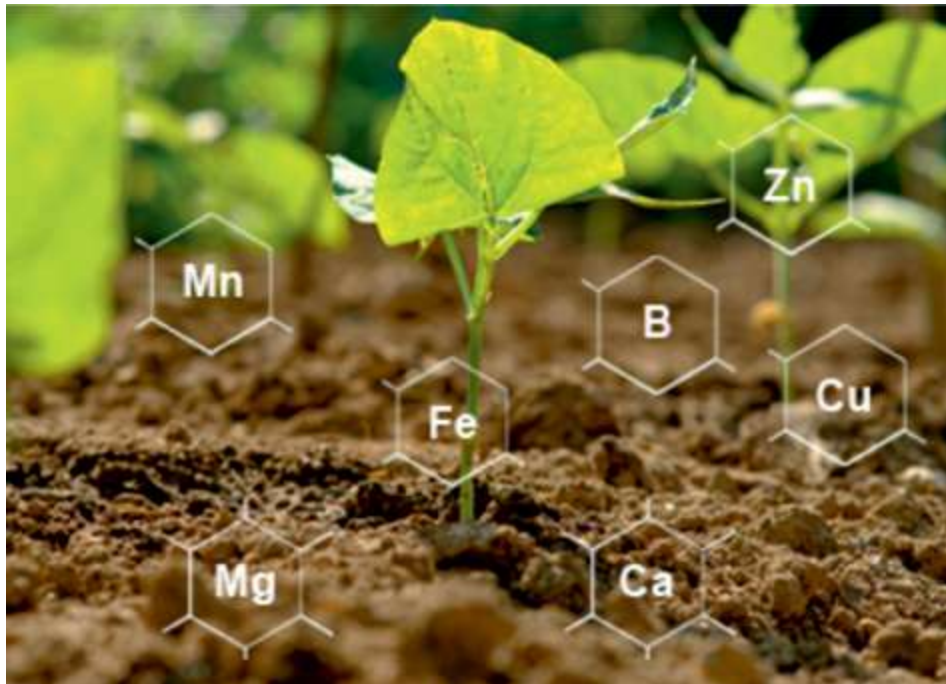
**PACKAGES**

Plastic Bottle 100 ml	box of 24 pieces
Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
*Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



# MICRONUTRIENTS



A low-angle photograph of an orange tree heavily laden with ripe, bright orange fruit. The green leaves are dense and vibrant, set against a clear, bright blue sky. The perspective is looking up from below the branches, creating a sense of height and abundance.

# MICRONUTRIENTS

**Iron**



# Ferrum

CHELATED IRON Fe EDDHA



Certified in Organic Agriculture

**Ferrum** is used for the treatment of iron deficiencies in all crops. Due to its chelating agent (EDDHA), it is recommended for all types of soil and especially for alkaline and lime soils.

**STANDARD ANALYSIS**

- Iron Fe EDDHA .....6.00%  
Ortho-ortho ..... 80%

**CROPS**

- Apples-Pears
- Apricots-Peaches-Plums
- Citrus
- Vineyard
- Cotton
- Peas-Beans
- Cereals
- Vegetables-Peppers-Tomatoes
- Beets
- Potatoes
- Squashes-Melons
- Strawberries-Raspberries
- Rhododendros-Azaleas-Roses
- Forsythias
- Chrysanthemums-Geraniums and other similar annual and perennial plants

**PROPERTIES**

- It covers plants nutritional needs in iron.
- It prevents iron deficiencies occurrence on crops.
- It corrects existing iron deficiencies.
- It eliminates iron deficiency symptoms.
- It offers an intense green color to leaves.
- It stimulates photosynthesis.



**PACKAGES**

Al. Foil bag	100 g	box of	24 pieces
Al. Foil bag	250 g	box of	24 pieces
*Al. Foil bag	500 g	box of	30 pieces
Al. Foil bag	1 kg	box of	10 pieces
*Plastic Pail	2.5 kg	box of	4 pieces
Plastic Pail	5 kg	box of	4 pieces
Cart Box	20 kg	-	-

\*Available upon request

# FERILION

EDDHA - CHELATED IRON



**bio** Certified in Organic Agriculture

**FERILION** is used for the treatment of iron deficiencies in all crops. Due to its chelating agent (EDDHA), it is recommended for all types of soil and especially for alkaline and lime soils.

**STANDARD ANALYSIS**

- Iron Fe EDDHA .....6.00%  
Ortho-ortho ..... 50%

**CROPS**

- Apples-Pears
- Apricots-Peaches-Plums
- Citrus
- Vineyard
- Cotton
- Peas-Beans
- Cereals
- Vegetables-Peppers-Tomatoes
- Beets
- Potatoes
- Squashes-Melons
- Strawberries-Raspberries
- Rhododendrons-Azaleas-Roses
- Forsythias
- Chrysanthemums-Geraniums and other similar annual and perennial plants

**PROPERTIES**

- It covers plants nutritional needs in iron.
- It prevents iron deficiencies occurrence on crops.
- It corrects existing iron deficiencies.
- It eliminates iron deficiency symptoms.
- It offers an intense green color to leaves.
- It stimulates photosynthesis.



**PACKAGES**

*Al. Foil bag	100 g	box of	24 pieces
*Al. Foil bag	250 g	box of	24 pieces
Al. Foil bag	1 kg	box of	10 pieces
Plastic Pail	3 kg	box of	4 pieces
*Plastic Pail	5 kg	box of	4 pieces
Cart Box	15 kg	-	-

\*Available upon request



# Elem-Fe

CHELATED IRON  
IN WATER - SOLUBLE  
POWDER FORM



Certified in Organic  
Agriculture

**Elem-Fe** is used to meet the nutritional needs of plants in iron and to treat iron deficiency in all crops. Contains iron in chelated form (chelating agent EDTA) completely soluble in water and recommended for foliar applications and fertigation.

**STANDARD ANALYSIS**

- Iron (Fe-EDTA) . . . . . 13,00 %

**CROPS**

- Open field Horticulture -
- Vegetables
- Greenhouse horticulture
- Fruit trees
- Vineyard
- Cereals
- Fodders
- Ornamentals

**PROPERTIES**

- Fully covers the nutritional needs of plants in iron.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



**PACKAGES**

*Al. Foil bag	12 g	pack of 16 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
Cart Box	25 kg	-

\*Available upon request

# AMINA-Fe

LIQUID IRON FERTILIZER  
WITH AMINO ACIDS

**AMINA-Fe** is a liquid iron fertilizer with amino acids. Due to its synthesis, **AMINA-Fe** is easily and directly assimilated by plants and therefore, it achieves a quick correction of iron deficiencies. At the same time, it improves the qualitative characteristics of harvest, leading to profitable yields.

### STANDARD ANALYSIS

- Iron (Fe-EDTA).....5.00 %
- Nitrogen (N).....2.00 %
- Organic-N .....2.00 %
- L-Amino acids .....12.00 %

### CROPS

- Open field Horticulture -
- Vegetables
- Greenhouse horticulture
- Fruit trees
- Vineyard
- Cereals
- Fodders
- Ornamentals

### PROPERTIES

- It corrects quickly and efficiently iron deficiencies.
- It stimulates plant growth.
- It enhances plant vigor.
- It improves the qualitative characteristics of harvest.
- It fortifies plants resistance against stress.
- It provides high yields to the grower.



Certified in Organic Agriculture



### PACKAGES

Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# MICRONUTRIENTS

**Zinc**

# Elem-Zn

CHELATED ZINC  
IN WATER - SOLUBLE  
POWDER FORM



Certified in Organic  
Agriculture

**Elem-Zn** is used to meet the nutritional needs of plants in zinc and to treat zinc deficiency in all crops. Contains zinc in chelated form (chelating agent EDTA) completely soluble in water and recommended for foliar applications and fertigation.

### STANDARD ANALYSIS

- Zinc (Zn-EDTA) . . . . . 15,00 %

### CROPS

- Open field crops
- Vegetables - Horticulture
- Greenhouse Horticulture
- Citrus trees
- Pome fruits
- Stone fruits
- Vineyard
- Ornamental trees
- Ornamental bushes
- Nurseries

### PROPERTIES

- Fully covers the nutritional needs of plants in zinc.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



### PACKAGES

*Al. Foil bag	12 g	pack of 16 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
Cart Box	25 kg	-

\*Διάθεσιμο κατόπιν παραγγελίας



# AMINA-Zn

LIQUID ZINC FERTILIZER  
WITH AMINO ACIDS



Certified in Organic Agriculture

**AMINA-Zn** is a liquid zinc fertilizer with amino acids. Due to its synthesis, **AMINA-Zn** is easily and directly assimilated by plants and therefore, achieves the quick correction of zinc deficiencies. Simultaneously, it enhances plant growth and it improves the qualitative characteristics of the harvest, leading to profitable yields.

### STANDARD ANALYSIS

- Zinc (Zn) ..... 5.00 %
- Nitrogen (N) ..... 2.00 %
- Organic-N ..... 2.00 %
- L-Amino acids ..... 12.00 %

### CROPS

- Open field crops
- Vegetables - Horticulture
- Greenhouse Horticulture
- Citrus trees
- Pome fruits
- Stone fruits
- Vineyard
- Ornamental trees
- Ornamental bushes
- Nurseries

### PROPERTIES

- It corrects quickly and efficiently zinc deficiencies.
- It stimulates plant growth.
- It enhances plant vigor.
- It improves the qualitative characteristics of harvest.
- It fortifies plants resistance against stress.
- It provides high yields to the grower.



### PACKAGES

Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# **MICRONUTRIENTS**

## **Manganese**

# Elem-Mn

CHELATED MANGANESE  
IN WATER - SOLUBLE  
POWDER FORM



Certified in Organic  
Agriculture

**Elem-Mn** is used to meet the nutritional needs of plants in manganese and to treat manganese deficiency in all crops. Contains manganese in chelated form (chelating agent EDTA) completely soluble in water and recommended for foliar applications and fertigation.

**STANDARD ANALYSIS**

- Manganese (Mn-EDTA) 13.00 %

**CROPS**

- Open field crops
- Vegetables - Horticulture
- Greenhouse Horticulture
- Citrus trees
- Pome fruits
- Stone fruits
- Vineyard
- Ornamental trees
- Ornamental bushes
- Nurseries

**PROPERTIES**

- Fully covers the nutritional needs of plants in manganese.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



**PACKAGES**

*Al. Foil bag	12 g	pack of 16 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
Cart Box	25 kg	-

\*Available upon request

# AMINA-Mn

LIQUID SOLUTION OF MANGANESE WITH AMINO ACIDS



**bio** Certified in Organic Agriculture

**AMINA-Mn** is a liquid manganese fertilizer with amino acids. Due to its synthesis, **AMINA-Mn** is easily and directly assimilated by plants and therefore, it achieves the quick correction of manganese deficiencies. Simultaneously, it enhances plant growth and it improves the qualitative characteristics of the harvest, leading to profitable yields.

### STANDARD ANALYSIS

- Manganese (Mn) ..... 4.00 %
- Nitrogen (N) ..... 2.00 %
- Organic-N ..... 2.00 %
- L-Amino acids ..... 12.00 %

### CROPS

- Open field crops
- Vegetables - Horticulture
- Greenhouse Horticulture
- Citrus trees
- Pome fruits
- Stone fruits
- Vineyard
- Ornamental trees
- Ornamental bushes
- Nurseries

### PROPERTIES

- It corrects quickly and efficiently manganese deficiencies.
- It stimulates plant growth.
- It enhances plant vigor.
- It improves the qualitative characteristics of harvest.
- It fortifies plants resistance against stress.
- It provides high yields to the grower.



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



# **MICRONUTRIENTS**

**Copper**

# Elem-Cu

CHELATED COPPER  
IN WATER - SOLUBLE  
POWDER FORM



Certified in Organic Agriculture



Enhances plants robustness

**Elem-Cu** is used to meet the nutritional needs of plants in copper and to treat copper deficiency in all crops. Contains copper in chelated form (chelating agent EDTA) completely soluble in water and recommended for foliar applications and fertigation.

### STANDARD ANALYSIS

- Copper (Cu-EDTA) . . . . 15.00 %

### CROPS

- Open- field vegetables
- Greenhouse vegetables
- Strawberry
- Tree crops
- Citrus
- Vines
- Ornamentals
- Cereals
- Cotton
- Maize

### PROPERTIES

- Fully covers the nutritional needs of plants in copper.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



### PACKAGES

*Al. Foil bag	12 g	pack of 16 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
Cart Box	25 kg	-

\*Available upon request

# Dia-CU

NITROGEN-COPPER  
WATER-SOLUBLE POWDER FERTILIZER



Certified in Organic Agriculture



Enhances plants robustness

**Dia-CU** is a water soluble fertilizer which provides organic nitrogen, amino acids and copper in chelated form. Thanks to its composition, **Dia-CU** is easily absorbed by leaf tissues and penetrates into the plant, achieving a fast correction of copper and nitrogen deficiencies and the stimulation of cellular processes. Simultaneously, thanks to high copper concentration, it suspends the growth of bacteria and fungi.

### STANDARD ANALYSIS

Copper (Cu).....	10.0%
Nitrogen (N).....	4.0%
Organic N .....	4.0%
Aminoacids .....	28.0%

### CROPS

- Open- field vegetables
- Greenhouse vegetables
- Strawberry
- Tree crops
- Citrus
- Vines
- Ornamentals
- Cereals
- Cotton
- Maize

### PROPERTIES

- It corrects fast and efficiently copper and nitrogen deficiencies.
- It increases plants vigor and resistance against various environmental and biotic stress factors.
- It stimulates plant growth.
- It contributes to the enhancement of cellular processes inside the plant.
- It improves plants productivity.
- It improves harvest qualitative characteristics.



### PACKAGES

*Al. Foil bag	250 g	box of	24 pieces
Al. Foil bag	1 kg	box of	10 pieces
Plastic pail	5 kg	box of	4 pieces
Cart box	20 kg		-

\*Available upon request

# AMINA-Cu

LIQUID NITROGEN - COPPER FERTILIZER  
WITH AMINO ACIDS

**AMINA-Cu** is a liquid fertilizer that offers organic nitrogen, amino acids, peptides, enzymes and chelated copper. Due to its composition, **AMINA-Cu** is easily absorbed by leaf tissues and penetrates inside plant cells, achieving the rapid correction of copper and nitrogen deficiencies and the stimulation of cellular processes as well. Simultaneously, the high concentration of copper inhibits the growth of bacteria and fungi.

**STANDARD ANALYSIS**

- Nitrogen (N) ..... 2.00 %
- Organic-N ..... 2.00 %
- Copper (Cu) ..... 5.00 %
- Amino acids ..... 14.00 %

**CROPS**

- Open field Vegetables-Horticulture
- Greenhouse Vegetables-Horticulture
- Strawberry
- Fruit trees
- Citrus trees
- Vineyards
- Ornamental plants (bushes and trees)
- Cereals
- Cotton
- Corn

**PROPERTIES**

- It corrects quickly and efficiently copper and nitrogen deficiencies.
- It stimulates plant growth.
- It contributes to the improvement of cellular processes inside plants.
- It enhances plants vigor and resistance against various environmental and biotic factors.
- It contributes to the increase of plants productivity.
- It improves harvest quality.



Certified in Organic Agriculture



Enhances plants robustness



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



A close-up photograph of an olive branch. The branch is covered with small, elongated, green olives and dark green, lanceolate leaves. The background is a soft-focus green, suggesting more foliage. Two semi-transparent white rectangular boxes are overlaid on the image, containing text.

# **MICRONUTRIENTS**

**Boron**

# Elem-B

BORON IN WATER - SOLUBLE  
POWDER FORM



**bio** Certified in Organic Agriculture

**Elem-B** is used to meet the nutritional needs of plants in boron and to treat boron deficiency in all crops. Contains boron in sodium form completely soluble in water and recommended for foliar applications and fertigation.

### STANDARD ANALYSIS

- Boron in Sodium Octaborate-tetrahydrate form . . . . . 21.00 %

### CROPS

Olive trees  
 Apple trees  
 Pears, Citrus trees  
 Stone fruits  
 Vineyard  
 Nut trees  
 Tomato, Cucumber, Pepper,  
 Melon, Potato, Beetroot, Carrot  
 Beans, Peas, Lentils  
 Broccoli, Cauliflower, Cabbage,  
 Celery  
 Beets  
 Clover, Alfalfa  
 Field crops (Wheat, Corn, Cotton,  
 Sunflower, Soya, Peanut, Hop,  
 Flax, etc.)

### PROPERTIES

- Fully covers the nutritional needs of plants in boron.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



### PACKAGES

*Al. Foil bag	12 g	pack of 16 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 10 pieces
Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
Cart Box	25 kg	-

\*Available upon request

# Dia-B

NITROGEN - BORON FERTILIZER  
IN WATER SOLUBLE POWDER FORM



Certified in Organic Agriculture

**Dia-B** is a fertilizer used for the correction of nitrogen and boron deficiencies in all crops. The whole of nitrogen of the product is organic and derives from amino acids which are present at a high percentage in the product. **Dia-B** is formulated in water soluble powder and is easily and quickly absorbed by both leaves and roots.

**STANDARD ANALYSIS**

- Boron (B).....17.00 %
- Nitrogen (N) .....3.00 %  
    Organic N.....3.00 %
- Amino acids.....18.80 %

**CROPS**

- Beets
- Vegetables
- Olive trees
- Apple trees

**PROPERTIES**

- Full coverage of plants needs in boron and quick elimination of emerging boron deficiencies.
- Increase of readily available to plants nitrogen during their critical growth stages.
- Increase of plants fruit set capacity.
- Acceleration of the biochemical processes which take place inside plants (sugar formation, photosynthesis).
- High boron assimilation thanks to the amino acids which are contained in the product.
- Enhanced boron assimilation by foliage, thanks to the sticking properties of the product.



**PACKAGES**

*Al. Foil bag	250 g	box of	24 pieces
Al. Foil bag	1 kg	box of	10 pieces
Plastic Pail	5 kg	box of	4 pieces
Cart Box	20 kg	-	-

\*Available upon request

# BORONiL

LIQUID BORON FERTILIZER

**BORONiL** is a liquid fertilizer, highly efficient in the prevention and treatment of boron deficiencies. **BORONiL** derives from boric acid and contains a high percentage of boron at a readily available form, both through the leaves and the roots of plants.

**STANDARD ANALYSIS**

- Boron .....10.00 %

**CROPS**

- Olive trees
- Apple trees
- Pears, Citrus trees
- Stone fruits
- Vineyard
- Nut trees
- Tomato, Cucumber, Pepper,
- Melon, Potato, Beetroot, Carrot
- Beans, Peas, Lentils
- Broccoli, Cauliflower, Cabbage,
- Celery
- Beets
- Clover, Alfalfa
- Field crops (Wheat, Corn,
- Cotton, Sunflower, Soya,
- Peanut, Hop, Flax, etc.)

**bio** Certified in Organic Agriculture

**PROPERTIES**

- It cures and prevents boron deficiencies.
- It enhances plants fruiting capacity.
- It is suitable for both foliar applications and fertigations.



**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request

# Seabor

LIQUID ORGANIC BORON FERTILIZER

**bio**  Certified in Organic Agriculture

**Seabor** is a liquid boron fertilizer, enriched with fresh marine plant extract. Marine plants offer **Seabor** a variety of natural nutrients, such as free amino acids, carbohydrates, vitamins, natural hormones (cytokinins, auxins, gibberellins etc) as well as macro- and micro-nutrients (magnesium, iron, manganese, zinc, copper etc). **Seabor** is an excellent boron source for foliar applications, suitable for all crops that face problems of boron deficiencies, such as:

- Reduced fruit set capacity
- Delayed maturity
- Downgraded crop quality

**STANDARD ANALYSIS**

- Boron .....5.0 %
- Marine plant extract .....2.0 %

**CROPS**

- Olives,
- Pears, Apples, Peaches, Apricots,
- Cherries, Plums
- Alfalfa, Clover
- Vineyard
- Leafy vegetables
- Horticulture
- Beets

**PROPERTIES**

- It increases flower and fruit sets.
- It corrects boron deficiencies in all crops.
- It enhances plant growth.
- It stimulates the biological processes of plant cells.
- It accelerates crops' maturing.
- It fortifies plants resistance against diseases and environmental stress.
- It improves harvest quality.
- It increases crops' yields.



**PACKAGES**

*Plastic Bottle 250 ml	box of	30 pieces
Plastic Bottle 1 l	box of	12 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 10 l	-	-
Plastic Cont. 20 l	-	-
*Plastic Drum 200 l	-	-
*Pl. Tank (IBC) 1,000 l	-	-

\*Available upon request



# MICRONUTRIENTS

**Molybdenum**

# Elem-Mo

MOLYBDENUM IN WATER - SOLUBLE POWDER FORM



**bio** Certified in Organic Agriculture

**Elem-Mo** is used to meet the nutritional needs of plants in molybdenum and to treat molybdenum deficiency in all crops. Contains molybdenum in sodium form completely soluble in water and recommended for foliar applications and fertigation.

### STANDARD ANALYSIS

- Molybdenum in Sodium Molybdate form . . . . . 38.20 %

### CROPS

- Olive trees
- Apple trees
- Pears, Citrus trees
- Stone fruits
- Vineyard
- Nut trees
- Tomato, Cucumber, Pepper, Melon,
- Potato, Beetroot, Carrot
- Beans, Peas, Lentils
- Broccoli, Cauliflower, Cabbage,
- Celery
- Beets
- Clover, Alfalfa
- Field crops (Wheat, Corn, Cotton, Sunflower, Soya, Peanut, Hop, Flax, etc.)

### PROPERTIES

- Fully covers the nutritional needs of plants in molybdenum.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



### PACKAGES

Al. Foil bag	12 g	pack of 16 pieces
Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	-
*Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
*Cart Box	25 kg	-

\*Available upon request



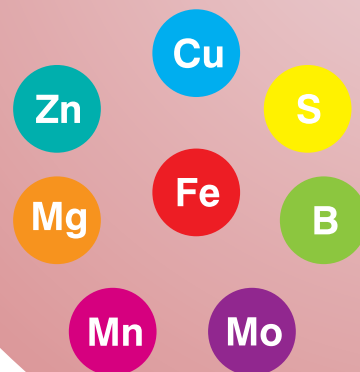
# **MICRONUTRIENTS**

## **Micronutrients Mixtures**



# Elem-Mix

MICRONUTRIENT MIXTURE



**Elem-MIX** is a micronutrient mixture for the prevention and, in some cases, the correction of deficiencies in all plants. It is totally water soluble and it is recommended for both foliar and fertigation applications.

**STANDARD ANALYSIS**

- Iron .....4.00%
- Zinc.....4.00%
- Magnesium .....2.00%
- Manganese .....3.00%
- Boron .....1.50%
- Copper .....0.50%
- Molybdenum.....0.005%
- Sulphur .....2.80%

**CROPS**

All crops

**PROPERTIES**

- They fully cover plants nutritional needs in secondary nutrients.
- They prevent nutrient deficiencies occurrence.
- They correct existing nutrient deficiencies and they eliminate their symptoms.
- They ensure good plants health.
- They provide high yields and consequently higher profits to the grower.



**PACKAGES**

Al. Foil bag	50 g	pack of 40 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil Bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
Cart Box	25 Kg	-

\*Available upon request

# Combi-Mix

MICRONUTRIENT MIXTURE

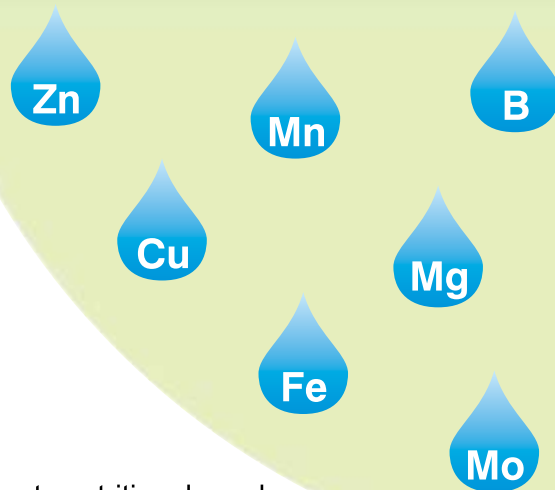
**Combi-Mix** is a micronutrient mixture for the prevention and, in some cases, the correction of deficiencies in all plants. The trace elements it contains come from complex chelated compounds (chelating agent EDTA) and mineral salts. **Combi-Mix** is totally water soluble and is recommended for both foliar and fertigation applications.

**STANDARD ANALYSIS**

- Iron .....4.10 %
- Zinc .....1.40%
- Magnesium .....4.60%
- Manganese.....3.80%
- Boron ..... 0.70%
- Copper.....1.30%
- Molybdenum .....0.08%

**CROPS**

All crops



**PROPERTIES**

- They fully cover plants nutritional needs in secondary nutrients.
- They prevent nutrient deficiencies occurrence.
- They correct existing nutrient deficiencies and they eliminate their symptoms.
- They ensure good plants health.
- They provide high yields and consequently higher profits to the grower.



**PACKAGES**

*Al. Foil bag	50 g	pack of 40 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 Kg	box of 20 pieces
Plastic Pail	5 Kg	box of 4 pieces
Cart Box	25 Kg	-

\*Available upon request

# Dia-MIX

MICRONUTRIENT-AMINO ACID MIXTURE  
IN WATER SOLUBLE POWDER FORM



Certified in Organic Agriculture

**Dia-MIX** is a mixture of mineral elements-amino acids, which targets to the enhancement of plant growth, the coverage of plants needs in micronutrients and the correction of micronutrient deficiencies in all crops. It contains Iron (Fe), Zinc (Zn), Manganese (Mn), Boron (B), Copper (Cu) and Molybdenum (Mo), all deriving from complex chelated compounds (chelating agent EDTA) and mineral salts. Furthermore, it is rich in amino acids which increase the infiltration of micronutrients in plant cells and in organic nitrogen which promotes the overall growth of the plants. **Dia-MIX** is totally water soluble and is recommended for both foliar and fertigation applications.

### STANDARD ANALYSIS

- Nitrogen (N) .....	3.00%
Organic Nitrogen .....	3.00%
- Iron .....	4.00%
- Zinc .....	3.00%
- Manganese .....	2.00%
- Boron .....	1.00%
- Copper .....	0.50%
- Molybdenum .....	0.04%
- Amino acids .....	21.00%

### CROPS

All crops

### PROPERTIES

- Quick coverage of plants nutritional needs in secondary nutrients.
- Increase of the readily available to plants nitrogen during their critical growth stages.
- Acceleration of the biochemical processes which take place inside plants (sugar formation, photosynthesis).
- High nutrient uptake thanks to the amino acids which are contained in the product.
- Enhanced nutrient assimilation by foliage, thanks to the sticking properties of the product.
- Fortified capacity of soil to retain nutrients.



### PACKAGES

Al. Foil bag	250 g	box of	24 pieces
Al. Foil bag	1 kg	box of	20 pieces
Plastic Pail	5 kg	box of	4 pieces
Cart Box	25 kg		-

# AMINA-Mix

LIQUID MICRONUTRIENTS FERTILIZER  
WITH AMINO ACIDS

**AMINA-Mix** is a liquid micronutrients fertilizer with amino acids. Due to its synthesis, **AMINA-Mix** is easily and directly assimilated by plants and therefore, it achieves quick correction of iron, zinc, manganese, copper, boron and molybdenum deficiencies. Simultaneously, it enhances plant growth and it improves harvest qualitative characteristics, leading to profitable yields.

### STANDARD ANALYSIS

- Iron (Fe-EDTA) ..... 5.40 %
- Zinc (Zn-EDTA) ..... 3.60 %
- Manganese (Mn-EDTA) 2.30 %
- Copper (Cu-EDTA) ..... 1.00 %
- Boron (Salt) ..... 1.00 %
- Molybdenum (Salt) .....0.005 %
- L-Amino acids ..... 1.00 %

### CROPS

- Horticulture
- Vegetables
- Cereals
- Fruit trees & bushes
- Ornamentals

### PROPERTIES

- It corrects quickly and efficiently iron, zinc, manganese, copper, boron and molybdenum deficiencies.
- It stimulates plant growth.
- It enhances plant vigor.
- It improves harvest qualitative characteristics.
- It fortifies plants resistance against stress.
- It provides high yields to the grower.



Certified in Organic Agriculture



### PACKAGES

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1,000 l	-	-

\*Available upon request

# Multi-Mix

MICRONUTRIENT MIXTURE

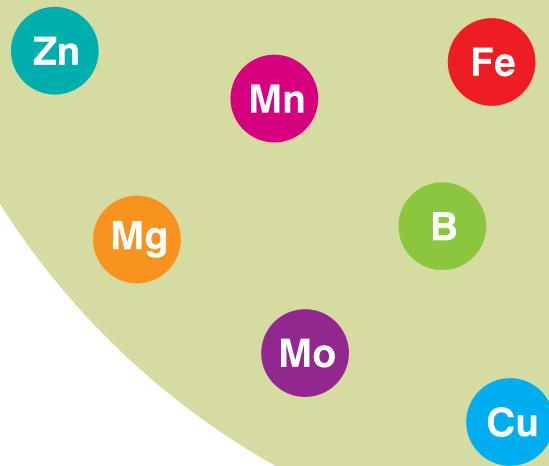
**Multi-Mix** is a mixture of micro-nutrients for the prevention and, in some cases, the correction of deficiencies on all plants. The trace elements it contains derive from complex chelate compounds (chelating agent EDTA) and mineral salts. **Multi-Mix** is totally water soluble and it is suggested for both foliar spraying and fertigation.

### STANDARD ANALYSIS

- Iron .....5.40%
- Zinc .....3.00%
- Magnesium .....3.00%
- Manganese .....2.00%
- Boron ..... 1.80%
- Copper ..... 0.50%
- Molybdenum .....0.006%

### CROPS

All crops



### PROPERTIES

- It totally satisfies nutritional plant demands on secondary nutrients.
- It prevents nutrient deficiencies.
- It corrects existent deficiencies, healing immediately occurring symptoms.
- It ensures plant health.
- It offers high yields and consequently higher profits to the farmer.



### PACKAGES

*Al. Foil bag	50 g	pack of 40 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
Cart Box	25 kg	-

\*Available upon request

# AMINA Zi-Bo-Mo

LIQUID MICRONUTRIENTS FERTILIZER  
WITH AMINO ACIDS

**AMINA-Zi-Bo-Mo** is a liquid fertilizer of micronutrients - amino acids which contains zinc, boron, molybdenum and organic nitrogen. Due to its synthesis, **AMINA-Zi-Bo-Mo** is easily and directly assimilated by plants and therefore, it achieves the quick correction of zinc, boron and molybdenum deficiencies and the enhancement of plant growth.

**STANDARD ANALYSIS**

- Zinc (ZnO) ..... 4.00 %
- Boron (H<sub>3</sub>BO<sub>3</sub>) ..... 4.00 %
- Molybdenum (Na<sub>2</sub>MoO<sub>4</sub>-2H<sub>2</sub>O) ..... 1.90 %
- Nitrogen (N) ..... 1.00 %
- Organic-N ..... 1.00 %
- L-Amino acids ..... 5.00 %

**CROPS**

- Horticulture, Vegetables
- Cole crops
- Other Vegetables
- Fruit trees
- Nut trees
- Vineyard
- Cereals
- Corn, Cotton
- Fodders
- Tobacco
- Ornamentals

**PROPERTIES**

- It corrects quickly and efficiently zinc, boron and molybdenum deficiencies.
- It stimulates plant growth.
- It enhances plants fruit set capacity.
- It contributes to plant cells creation and renewal and as a result, it promotes the formation of new tissues.
- It increases crops dynamics and it achieves higher yields.



Certified in Organic Agriculture



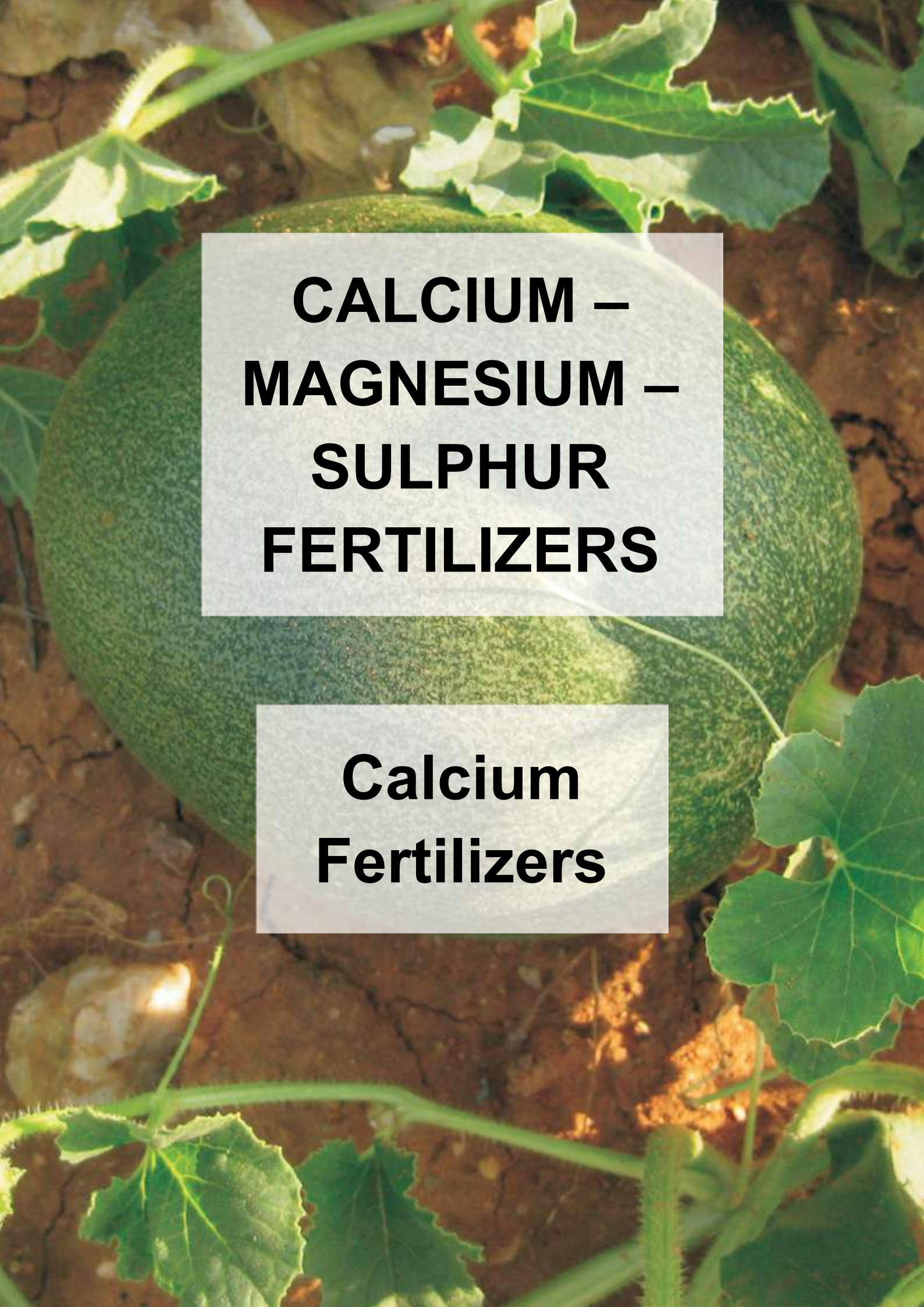
**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
Pl. Tank (IBC) 1,000 l	-

\*Available upon request

**CALCIUM –  
MAGNESIUM –  
SULPHUR  
FERTILIZERS**





**CALCIUM –  
MAGNESIUM –  
SULPHUR  
FERTILIZERS**

**Calcium  
Fertilizers**



# Elem-Ca

CHELATED CALCIUM  
IN WATER - SOLUBLE  
POWDER FORM



**Elem-Ca** is used to meet the nutritional needs of plants in calcium and to treat calcium deficiency in all crops. Contains calcium in chelated form (chelating agent EDTA) completely soluble in water and recommended for foliar applications and fertigation.

**STANDARD ANALYSIS**

- Calcium (Ca-EDTA) . . . . . 9.50 %

**CROPS**

- Pome fruits
- Stone fruits
- Citrus trees
- Vineyard
- Strawberry
- Tomato
- Pepper
- Eggplant
- Lettuce, Spinach, Celery, Other green vegetables
- Onion
- Carrot
- Potato

**PROPERTIES**

- Fully covers the nutritional needs of plants in calcium.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



**PACKAGES**

*Al. Foil bag	12 g	pack of 16 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
Cart Box	25 kg	-

\*Available upon request

# AMINA-Cal

LIQUID CALCIUM FERTILIZER  
WITH AMINO ACIDS

**AMINA-Cal** is a liquid calcium fertilizer with amino acids, which is easily and directly assimilated by plants and therefore, it achieves a fast correction of calcium deficiencies and an enhancement of plant growth. At the same time, it improves the qualitative characteristics of harvest, leading to profitable yields.

### STANDARD ANALYSIS

- Calcium (CaO) .....	13.00 %
- Nitrogen (N) .....	8.50 %
Nitrate-N .....	7.10 %
Ammonium-N .....	0.50 %
Organic-N .....	0.90 %
- L-Amino acids .....	5.00 %

### CROPS

Pome fruits  
Stone fruits  
Citrus trees  
Vineyard  
Strawberry  
Tomato  
Pepper  
Eggplant  
Lettuce, Spinach, Celery, Other green vegetables  
Onion  
Carrot  
Potato

### PROPERTIES

- It corrects quickly and efficiently calcium deficiencies (bitter pit in apples, blossom end rot in tomato, rachis drying in vineyard, formation of small sized fruits, bruising, dehydration of stems, leaf malformations etc)
- It stimulates plant growth.
- It improves the plant vigour and the stiffness of shoots.
- It increases the firmness of fruits and also improves their qualitative characteristics.
- It increases the levels of calcium in the fruits which are cultivated for human and animal nutrition.
- It assists in the assimilation of other nutrients by the plant.
- It provides high yields to the grower.



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# FortiCAL

LIQUID CALCIUM FERTILIZER

# Ca

**bio** Certified in Organic Agriculture

**FortiCAL** is a liquid fertilizer of high calcium concentration, which is specially designed to cure and prevent calcium deficiencies. **FortiCAL** is highly effective, since it contains a natural organic chelating factor, which promotes the easy and prompt calcium uptake by plant tissues.

**STANDARD ANALYSIS**

- Calcium (CaO) ..... 19.00 %

**CROPS**

- Pome fruits
- Stone fruits
- Citrus trees
- Vineyard
- Strawberry
- Tomato
- Pepper, Eggplant
- Lettuce, Spinach, Celery, Other green Vegetables
- Onion
- Carrot
- Potato

**PROPERTIES**


- It corrects fast and efficiently calcium deficiencies such as:
  - Bitter pit in apples
  - Blossom end rot in tomato
  - Rachis drying in vineyard
  - Formation of small sized fruits, bruising, dehydration of stems, leaf malformations etc.
- It increases fruits firmness and improves their qualitative characteristics.
- It prolongs fruits shelf life.



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



**CALCIUM –  
MAGNESIUM –  
SULPHUR  
FERTILIZERS**

**Magnesium  
Fertilizers**

# Elem-Mg

CHELATED MAGNESIUM  
IN WATER - SOLUBLE  
POWDER FORM



**Elem-Mg** is used to meet the nutritional needs of plants in magnesium and to treat magnesium deficiency in all crops. Contains magnesium in chelated form (chelating agent EDTA) completely soluble in water and recommended for foliar applications and fertigation.

**STANDARD ANALYSIS**

- Magnesium (Mg-EDTA) . . 6.00 %

**CROPS**

- Pome fruits
- Deciduous trees
- Citrus trees
- Vineyard
- Olive trees
- Potato
- Tomato
- Cucumber
- Cereals

**PROPERTIES**

- Fully covers the nutritional needs of plants in magnesium.
- Prevents nutrient deficiencies occurrence.
- Corrects existing nutrient deficiencies and eliminates immediately their symptoms.
- Ensures the plants' good health.
- Ensures high yields and consequently higher profits for the grower.



**PACKAGES**

*Al. Foil bag	12 g	pack of 16 pieces
*Al. Foil bag	100 g	box of 24 pieces
Al. Foil bag	250 g	box of 24 pieces
Al. Foil bag	1 kg	box of 20 pieces
Plastic Pail	5 kg	box of 4 pieces
*Cart Box	20 kg	-
Cart Box	25 kg	-

\*Available upon request

# AMINA-Mag

LIQUID MAGNESIUM FERTILIZER  
WITH AMINO ACIDS

**AMINA-Mag** is a liquid calcium fertilizer with amino acids. Due to its synthesis **AMINA-Mag** is easily and directly assimilated by the plants and therefore it achieves the quick correction of magnesium deficiencies and the enhancement of plant growth. Simultaneously, it improves the qualitative characteristics of the harvest leading to profitable yields.

### STANDARD ANALYSIS

- Magnesium (MgO) .....	7.50 %
- Nitrogen (N) .....	6.10 %
Nitrate-N .....	5.20 %
Organic-N .....	0.90 %
- L-Amino acids .....	5.00 %

### CROPS

- Pome fruits
- Deciduous trees
- Citrus trees
- Vineyard
- Olive trees
- Potato
- Tomato
- Cucumber
- Cereals

### PROPERTIES


- It corrects quickly and efficiently magnesium deficiencies.
- It contributes to photosynthesis process and consequently to plant growth.
- It improves plant vigor.
- It increases fruits firmness and it also improves their qualitative characteristics.
- It assists in the assimilation of other nutrients by the plant.
- It fortifies plants resistance against stress and high temperatures.
- It provides high yields to the grower.



### PACKAGES

*Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



**CALCIUM –  
MAGNESIUM –  
SULPHUR  
FERTILIZERS**

**Complex Calcium –  
Magnesium –  
Boron Fertilizers**

# Dynamic

SPECIAL LIQUID FERTILIZER  
OF PROMPT UPTAKE

**Dynamic** is a liquid fertilizer of prompt uptake, specially designed for the treatment of calcium, magnesium, boron and potassium deficiencies. It is recommended for foliar applications and for fertigation and the results of its action are visible straightaway, due to its directly assimilable ingredients.

### STANDARD ANALYSIS

- Nitrogen (N) ..... 8.25 %
- Potassium (K<sub>2</sub>O) ..... 5.00 %
- Calcium (CaO) ..... 10.00 %
- Magnesium (MgO) ..... 2.00 %
- Boron (B) ..... 0.10 %

### CROPS

- Tomato
- Vineyard
- Potato
- Fruit vegetables
- Strawberry
- Apple trees
- Cherry trees
- Pepper
- Lettuce-Endive
- Fennel-Radish-Celery

### PROPERTIES

- It corrects immediately and effectively calcium, magnesium, boron and potassium deficiencies.
- It contributes to the protection of vines from rachis drying.
- It prevents and corrects the apical rot of tomatoes.
- It improves the size and enhances the consistency of plant cells.
- It increases fruits shelf life and tolerance during transportations.
- It enhances plants resistance against stress caused by various stress factors, such as adverse weather conditions, diseases etc.



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
Plastic Cont. 10 l	-
Plastic Cont. 20 l	-
*Plastic Drum 200 l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



**STRONG** **Ca  
B**

LIQUID ORGANOMINERAL  
CALCIUM - BORON FERTILIZER

**STRONG-CaB** is a liquid organomineral potassium, calcium and boron fertilizer, with additional properties of soil activator. It contains humic and fulvic acids at a high concentration, deriving from natural Leonardite deposits, very rich in micro-nutrients. Calcium is chelated with EDTA, therefore it is readily assimilable by plants. Moreover, boron, thanks to the presence of fulvic acids, is easily engaged by the roots and transported to the above ground plant tissues.

**STANDARD ANALYSIS**

Humic and Fulvic acids	13.0 %
Organic Carbon	5.3 %
Potassium (K <sub>2</sub> O)	3.0 %
Calcium (CaO)	2.0 %
Boron (B)	1.0 %

**CROPS**

- Vegetables
- Strawberry
- Pome trees
- Stone trees
- Citrus
- Nut trees
- Olive
- Kiwi
- Vine
- Ornamentals
- Cereals
- Maize
- Cotton



**PROPERTIES**

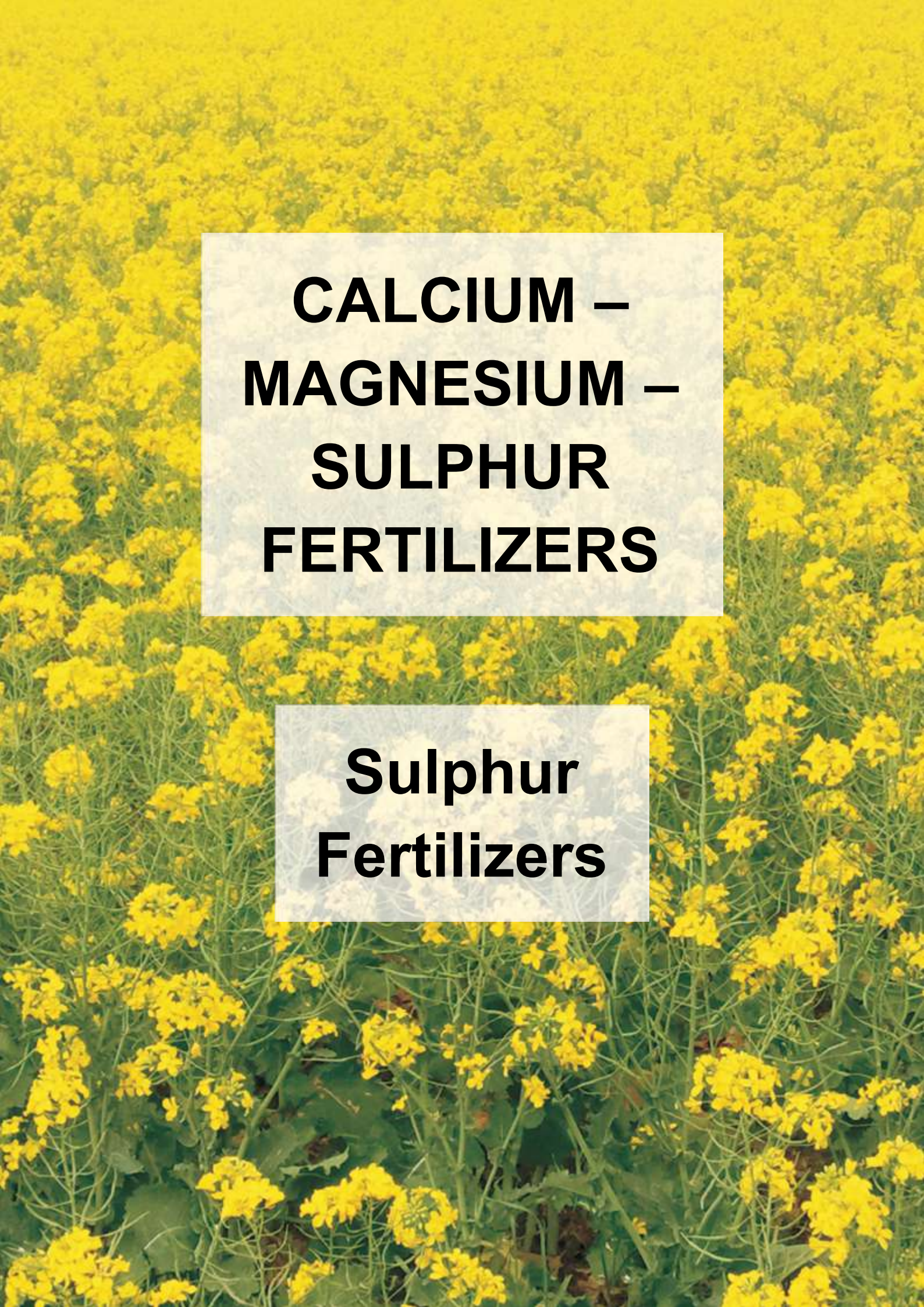
- It increases yields.
- It corrects fast and efficiently problems provoked by calcium deficiency.
- It increases fruit size of fruit cultures.
- It promotes fruit set.
- It promotes growth of the root system.
- It helps release soil calcium.
- It corrects soil salinity problems.
- It enhances plants resistance to stress caused by low temperatures and drought.
- It increases water retention and provision to plants.
- It increases fertilizers assimilation by the root system.
- It improves soil structure by modifying its natural, chemical and biological attributes.



**PACKAGES**

Plastic Bottle	250 ml	box of	30 pieces
Plastic Bottle	1 l	box of	12 pieces
Plastic Cont.	5 l	box of	4 pieces
Plastic Cont.	10 l	-	-
Plastic Cont.	20 l	-	-
*Plastic Drum	200 l	-	-
*Pl. Tank (IBC)	1000 l	-	-

\*Available upon request

A vibrant field of yellow mustard flowers, likely a rapeseed field, filling the entire background. The flowers are in full bloom, creating a dense sea of yellow. The stems are green and visible between the flowers.

**CALCIUM –  
MAGNESIUM –  
SULPHUR  
FERTILIZERS**

**Sulphur  
Fertilizers**

# SLUD

LIQUID SULPHUR FERTILIZER

**SLUD** is a liquid suspension of elemental sulphur (S), especially designed to satisfy the nutritional needs of plants and to increase their robustness. It has sticking properties and as a result, it is not rinsed off the leaves. At the same time, it contains specific surfacting agents, which contribute to the uniform spread of the product all over the leaves and to the increase of sulphur uptake by plant cells.


**STANDARD ANALYSIS (w/w)**

Sulphur (S) .....20 %  
 (SO<sub>3</sub>) .....50 %

**CROPS**

- Vegetables
- Vine
- Olive
- Citrus
- Pome trees
- Stone trees
- Nut trees
- Ornamentals
- Cereals
- Sugarcanes

**bio** Certified in Organic Agriculture

 Enhances plants robustness

**PROPERTIES**

- It provides plants with the essential Sulphur during their growth.
- It increases plants resistance against unfavourable biotic factors.
- It cures fast and effectively Sulphur deficiencies.
- It enhances plants growth by contributing to nitrogen metabolism.
- It promotes chlorophyll formation and consequently it increases carbohydrates production by plants.



**PACKAGES**

Plastic Bottle 250 ml	box of 30 pieces
Plastic Bottle 1 l	box of 12 pieces
Plastic Cont. 5 l	box of 4 pieces
*Plastic Cont. 10 l	-
*Plastic Cont. 20 l	-
*Plastic Drum 200l	-
*Pl. Tank (IBC) 1,000l	-

\*Available upon request

# **FERTILIZERS FOR AMATEUR GROWERS**



# Fer-EDEM

CHELATED IRON IN LIQUID FORM



**Fer-EDEM** is a liquid chelated iron fertilizer and as a result, it is readily assimilable by plants. In addition, it contains 6% Nitrogen, for growth promotion, as well as 6.5% organic matter for enhancement of iron uptake by plants.

### STANDARD ANALYSIS

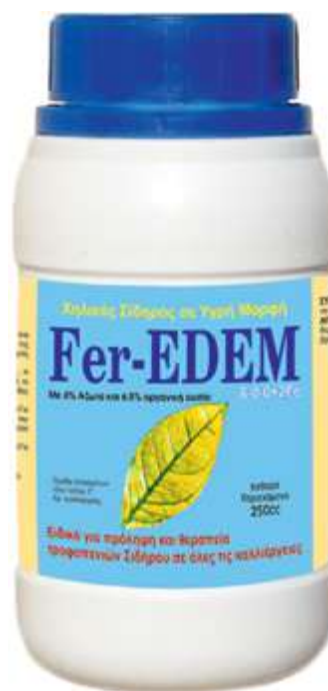
- Iron ..... 2.00%
- Nitrogen ..... 6.00%
- Organic matter ..... 6.50%

### CROPS

- Ornamental plants (Gardenias, Hydrangeas, Azaleas, Camellias etc.)
- Trees
- Vineyards
- Nurseries for shrubs
- Lawn

### PROPERTIES

- It prevents and cures iron deficiencies.
- Iron occurs in the product in chelated form, therefore it is readily available.
- It promotes plant growth thanks to the contained nitrogen.



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
*Plastic Bottle 1l	box of 16 pieces
*Plastic Cont. 5l	box of 4 pieces
*Plastic Cont. 10l	-
*Plastic Cont. 20l	-
*Plastic Drum 200l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request

# Miner-all

MICRONUTRIENT MIXTURE

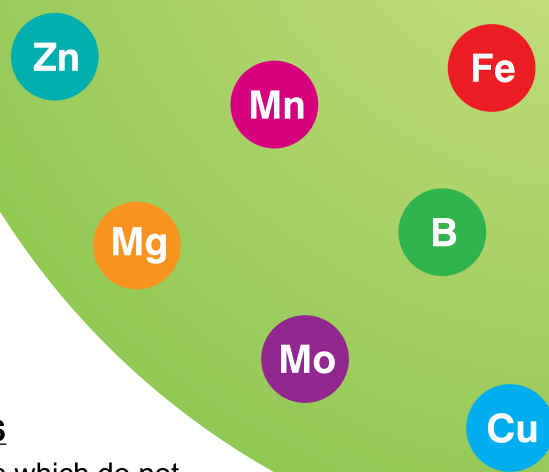
**Miner-all** is a micronutrient mixture for the prevention and correction of deficiencies on all plants. The trace elements it contains are in chelated form, consequently they are totally and readily assimilable by plants. Iron is chelated by EDDHA, therefore **Miner-all** is recommended for soil applications to neutral - alkaline soils.

### STANDARD ANALYSIS

- Iron .....2.00%
- Zinc .....4.00%
- Magnesium .....2.00%
- Manganese .....3.00%
- Boron .....1.50%
- Copper .....0.50%
- Molybdenum .....0.005%
- Sulphur .....1.60%

### CROPS

- Potted plants
- Bushes
- Horticulture
- Ornamentals
- Trees
- Vineyards



### PROPERTIES

- It grows plants which do not exhibit nutrient deficiencies.
- Plants do not drop their leaves and have fewer yellow ones.
- It restricts flowers drop.
- It enhances plant vigor.
- It promotes plants growth and high crops productivity.



### PACKAGES

Al. Foil bag	50 g	pile of	40 pieces
*Al. Foil bag	100 g	box of	24 pieces
*Al. Foil bag	250 g	box of	24 pieces
*Al. Foil bag	1 kg	box of	10 pieces
*Plastic Pail	5 kg	box of	4 pieces
*Cart Box	20 Kg	-	-
*Cart Box	25 Kg	-	-

\*Available upon request

# ΕΔΕΜ

CRYSTALLINE WATER SOLUBLE FERTILIZERS  
WITH TRACE ELEMENTS

**EDEM** series includes crystalline, totally water soluble fertilizers, which contain a special combination of nitrogen, phosphorus and potassium, the three base elements of plant nutrition, achieving increased blooming and ensuring the growth of a healthy root system. Furthermore, they are enriched with an ideal mixture of readily assimilable trace elements (iron, zinc, copper, manganese, boron, molybdenum), which play a key role in proper plants growth and good health.

**AVAILABLE FORMULATIONS**

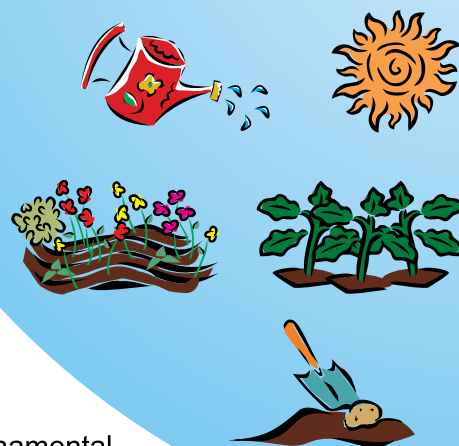
- 20-20-20 for balanced growth
- 30-10-10 for leaves and shoots growth
- 15-30-15 for blooming and rooting

**CROPS**

All crops

**PROPERTIES**

- Enhanced blooming and ensured rooting on all ornamental plants and bushes.
- Increased blooming and roots fortification on all vegetable crops and fruit trees.
- Fortified root system of lawn.
- Reduced appearance of iron, zinc and manganese deficiencies, which cause leaves yellowing and flower drop.



SYNTHESIS	20-20-20	30-10-10	15-30-15
Nitrogen (N)	20.0%	30.0%	15.0%
Nitrate N	4.1%	1.0%	8.5%
Ammonium N	3.2%	3.4%	1.9%
Urea N	13.0%	25.8%	4.6%
Phosphorus	20.0%	10.0%	30.0%
Potassium	20.0%	10.0%	15.0%
Iron (Fe EDTA)	325 ppm	325 ppm	325 ppm
Manganese (Mn EDTA)	163 ppm	163 ppm	163 ppm
Zinc (Zn EDTA)	81 ppm	81 ppm	81 ppm
Copper (Cu EDTA)	33 ppm	33 ppm	33 ppm
Boron (B)	81 ppm	81 ppm	81 ppm
Molybdenum (Mo)	8 ppm	8 ppm	8 ppm



**PACKAGES**

Plastic Jar 500 g box of 24 pieces

# EDEM

7-4-4

LIQUID COMPLETE FERTILIZER

**EDEM 7 - 4 - 4** is a liquid complete fertilizer, specially designed for the proper and complete nutrition of flowers of indoor and outdoor plants. It contains macronutrients (N-P-K), chelated trace elements, amino acids, natural growth factors (cytokinins, auxins, gibberellins, betains), vitamins, carbohydrates and organic acids (humic and fulvic acids).

### STANDARD ANALYSIS

- Nitrogen (N) .....	7.00%
- Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	4.00%
- Potassium (K <sub>2</sub> O) .....	4.00%
- Iron (Fe EDTA) .....	0.03%
- Boron (B) .....	0.02%
- Magnesium (Mn EDTA) .....	0.02%
- Zinc (Zn EDTA) .....	0.02%
- Copper (Cu EDTA) .....	0.01%
- Organic matter .....	30.00%

### CROPS

Potted plants  
Bushes  
Trees



### PROPERTIES

- It increases blooming and flowers size.
- It enhances photosynthesis processes.
- It fortifies plants and flowers resistance against frost, heat and pests.
- It assists with fast shock recovery, which plants undergo during transplanting or due to adverse weather conditions (strong winds, cold, intense heat).
- It improves flowers color and it prolongs cut flowers durability.



### PACKAGES

Plastic Bottle 250 ml	box of 30 pieces
*Plastic Bottle 1l	box of 16 pieces
*Plastic Cont. 5l	box of 4 pieces
*Plastic Cont. 10l	-
*Plastic Cont. 20l	-
*Plastic Drum 200l	-
*Pl. Tank (IBC) 1,000 l	-

\*Available upon request



# Crystal Fertilizers

for amateur growers

TOTALLY WATER SOLUBLE FERTILIZERS  
WITH TRACE ELEMENTS



The series **Crystal Fertilizers** consists of totally water soluble N-P-K fertilizers, which contain the three main plant nutrients (nitrogen, phosphorus and potassium) in various proportions. Additionally, **Crystal Fertilizer** fertilizers are enriched with an excellent mixture of readily assimilable trace elements (iron, zinc, copper, manganese, boron, molybdenum), which play a key role in plants growth and good health.

## AVAILABLE FORMULATIONS

- **CF-70:** for young plants and root shooting
- **CF-61:** for balanced growth
- **CF-60:** for flowering
- **CF-56:** for fruit improvement
- **CF-55:** for maturing
- **CF-50:** for a rich foliage and growth

## CROPS

All crops

## PROPERTIES

- They offer grower the possibility to choose the most appropriate formulation for his crop, according to the nutritional needs of plants, their growth stage and the unique characteristics of soil.
- They cover the nutritional needs of all crops, since there are many N-P-K formulations available, combining various proportions of nitrogen, phosphorus and potassium.
- They enhance crops yield and quality.

FORMULATIONS	Fertilizer Color	Nitrate N	Ammonium N	Urea N	Phosphorus	Potassium
CF-70 (10-52-8)	blue	0,0 %	10,0 %	0,0 %	52,0 %	8,0 %
CF-61 (20-20-20)	light blue	3,2 %	4,1 %	12,7 %	20,0 %	20,0 %
CF-60 (15-30-15)	turquoise	0,9 %	7,8 %	6,3 %	30,0 %	15,0 %
CF-56 (6-12-36 + 2%MgO)	red	1,6 %	2,5 %	1,9 %	12,0 %	36,0 %
CF-55 (15-10-29 + 1%MgO)	pink	2,5 %	2,0 %	10,5 %	10,0 %	29,0 %
CF-50 (30-10-10)	green	1,3 %	4,8 %	23,9 %	10,0 %	10,0 %

All formulations contain the following trace elements:  
Fe 250 ppm (EDTA), Mn 125 ppm (EDTA),  
Zn 125 ppm (EDTA), Cu 125 ppm (EDTA),  
B 50 ppm (Salt), Mo 5 ppm (Salt)



## PACKAGES

Al. Foil bag 400 g box of 40 pieces

# Biofertilin

for amateur growers

ORGANIC GRANULAR  
SLOW RELEASE FERTILIZERS



Certified in Organic  
Agriculture

Organic slow release granular fertilizers **BIOFERTIN** are made of high quality organic raw materials, deriving from plants and animals by-products and natural minerals. They are available in formulations which fulfill especially the needs of olive trees, fruit trees and vines, vegetables and horticultural crops, while they have been formulated in granules of 0.8 - 4.0 mm diameter, in order to guarantee an easy and practical use by amateur growers.

### AVAILABLE TYPES

- For olive trees
- For vegetables
- For horticultural crops
- For fruit trees and vines

### CROPS

- Vineyards
- Tree crops
- Vegetables-Horticulture
- Olive trees

### PROPERTIES

- They are specially formulated in granules of 0.8 - 4.0 mm diameter for easy and practical use.
- They do not have intense or irritating smell.
- They offer nutrients straight from mother nature.
- They release nutrients gradually, providing stable plant growth.
- They are easily absorbed and assimilated by plants.
- They do not leach or evaporate.

### STANDARD ANALYSIS

	OLIVE TREES 9-5-6	VEGETABLES 7-7-11	HORT/RAL CROPS 9-6-3	FRUIT TREES VINES 6-8-15
Total Nitrogen (N)	9 %	7 %	9 %	6 %
Total Phosphorus (P <sub>2</sub> O <sub>5</sub> )	5 %	7 %	6 %	8 %
Total Potassium (K <sub>2</sub> O)	6 %	11 %	3 %	15 %
Calcium (CaO)	7 %	8.8 %	6.8 %	10 %
Magnesium (MgO)	0.75 %	1.2 %	0.64 %	1.5 %
Sulphur (S)	2.3 %	3.6 %	2.1 %	4.5 %
Trace elements (B, Fe, Zn, Mn, Cu)	1 %	1 %	1 %	1 %
Organic matter	54.5 %	44.6 %	55.6 %	38 %



### PACKAGES

Bag	1 kg	box of	20 pieces
Bag	2 kg	box of	10 pieces

# Food 4 Plants

## ORGANOMINERAL GRANURAL FERTILIZERS

Organomineral granular fertilizers **FOOD 4 PLANTS** are produced from inorganic raw materials of high purity and hydrolyzed meat meal. They contain a very high content of organic matter, which derives from the hydrolysis of proteins existing in fish, rabbits and poultry meat and therefore, are very rich in amino acids, humic acids and fulvic acids. They are available in various formulations, in order to satisfy the needs of different crops. Organomineral granular fertilizers **FOOD 4 PLANTS** ensure their easy dispersion in the soil since they are formulated into microgranules.

### AVAILABLE FORMULATIONS

- For Vegetables - Horticulture
- For Fruit trees - Vines
- For Olive trees - Citrus trees
- For Acid-loving plants - Roses - Flowers
- For Lawn - Conifers - Evergreens - Bushes
- For Start-up - Root system
- For general use

### CROPS

Fruit trees  
 Citrus trees  
 Stone fruits  
 Pome trees  
 Vineyard  
 Olive trees  
 Horticulture  
 Vegetables  
 Lawn  
 Ornamentals

### PROPERTIES

- They release nutrients gradually.
- They are totally assimilable by plants.
- Their activity is enhanced thanks to their high quality organic matter.
- They provide amino acids, proteins and humic acids.
- They are formulated in microgranules of uniform size.
- They are highly water soluble.

### STANDARD ANALYSIS

Nutrients	Vegetables Horticulture	Fruit trees Vines	Olive trees Citrus trees	Acid-loving plants Roses, Flowers	Lawns, Conifers Evergreens Bushes	Start-up Root system	General use
Total Nitrogen (N)	9.3 %	7.4 %	11 %	9.2 %	12.5 %	7.7 %	8.2 %
Total Phosphorus (P <sub>2</sub> O <sub>5</sub> )	7.1 %	5 %	5 %	5 %	5 %	12 %	7.1 %
Total Potassium (K <sub>2</sub> O)	8.2 %	12.2 %	8 %	10.1 %	6.2 %	5.7 %	9.3 %
Calcium (CaO)	7.5 %	6.1 %	6.3 %	6.2 %	6.4 %	10.5 %	7.4 %
Magnesium (MgO)	1.9 %	3.7 %	1.3 %	2.5 %	0.2 %	1.6 %	2.6 %
Organic matter	36.5 %	34 %	35 %	34.4 %	35 %	41 %	36.3 %
Amino acids - Proteins	13.3 %	12 %	12.7 %	12.4 %	13 %	15 %	13 %
Humic - Fulvic acids	7.3 %	7 %	7 %	7 %	7 %	8 %	7.3 %



### PACKAGES

Paper Box      1 kg      box of 18 pieces



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