CEREA FCP

PRODUCTS CATALOGUE



Grow well
to LIVE better



“ The information and technical specifications of the products provided are indicative only and are not binding on the Seller.”

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THE COMPANY







FOR OVER 100 YEARS
TOGETHER WITH FARMERS.

Our mission is clear: to feed the plants, respecting the environment and guaranteeing quantity, quality and health of agricultural production.

Where we are, how we work

Our headquarter is located in Bonavicina di San Pietro di Morubio (province of Verona), in the heart of the Po Valley, one of the most fertile and strategic agricultural areas in Italy. Thanks to our logistical location close to major roads, we can guarantee fast transportation, low transport costs, and reliable distribution.

All key production phases are carried out at our facility:

- research and experimental development;
- production of complex granular fertilizers (NPK, NP, PK), mineral and organo-mineral fertilizers;
- customized blending with double screening of granular products;
- production of special formulations for fertigation and foliar applications;
- granule coating;
- quality control.

All systems are computerized and automated to ensure maximum flexibility and promptness in meeting customer requests.

Vision

Together with the farmer for sustainable agriculture.

Our values

Integrity, Transparency, Quality, Innovation, Passion, Mutuality.

HISTORICAL NOTES

MORE THAN A CENTURY
OF INNOVATION.

Our history isn't just a list of milestones, but a demonstration of our ongoing commitment: innovating without forgetting our origins.
Today, as in 1908, we remain close to farmers, capable of listening, to offer effective solutions and look with confidence toward the most important challenge: sustainable agriculture for future generations.



2014

QUALITY CONTROL, RESEARCH, EXPERIMENTATION
Establishment of an agronomic laboratory with a growth chamber for R&D activities. Renovation of the chemical laboratory for quality control of fertilizers and raw materials



2008

SOLAR SYSTEM
Construction of a photovoltaic system on the factory roof (0.8 MW capacity)



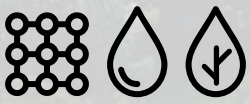
2002

ORGANO-MINERAL FERTILIZERS
Beginning of organo-mineral fertilizer production



2018

COATING PLANT
Construction of a plant to enrich each granular product with both liquid and powdered noble materials.



2020

NEW TECHNOLOGY
CEREA FCP obtains the patent for the NANO.T technology which allows to produce highly efficient nanofertilizers.



2021

SUSTAINABILITY AND SAFETY
The company is at the forefront of the circular economy, as it is committed to using raw materials from renewable sources.



1908

THE FACTORY
Fabbrica Cooperativa Perfosfati was founded



1910

SULFURIC ACID AND SUPERPHOSPHATE
First production of sulfuric acid and superphosphate



1990

NEW FACTORY
New office and factory: from Cerea to Bonavicina.



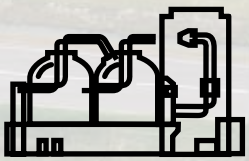
1977

MIXING SYSTEM
New machine for the production of mixed compounds fertilizers, among the first in Italy..
CEREA FCP can now produce tailor-made products according to customers' needs.



1952

NEW FERTILIZERS
Start of granular fertilizer production.



2023

NEW PLANT
Expansion and upgrading, according to the canons of Industry 4.0, of the plant for the production of liquid fertilizers to be applied in fertigation and foliar application



2025

NEW LABORATORIES
Construction of new laboratories dedicated to Research and Development activities, including powder grinding rooms, instrumentation rooms, R&D, agronomy, and a microbiology laboratory.

CEREA FCP TODAY

Cerea FCP is a **cooperative founded by farmers** in 1908 that, just as it did back then, still produces fertilizers today for its members and for farmers around the world.

The company has **laboratories for quality control** of raw materials and fertilizers. Regular **inspections and audits are conducted to ensure product quality** before it reaches the customer.



New products are tested through experimental trials and subsequently by our collaborators and trusted customers.

During 2025, CEREA FCP **renovated its laboratories** with innovative equipment. These facilities are dedicated to analysis, R&D, and agronomy.

Cerea FCP is able **to create specific formulations** to meet the needs of individual farmers.



CEREA FCP has always been committed to technological innovation applied to plant nutrition. This ongoing dedication has enabled the **development and patenting of NANO.T technology** which today sets a new standard in terms of nutritional efficiency and sustainability.

CEREA FCP has also **patented a technique for plant biofortification** (increasing certain nutrients to ensure a **healthier and more complete diet for consumers**).



Today, the company's products (granular, water-soluble, and liquid for specialty Nutrition) are available **throughout Italy**. The company exports **to Europe and many other countries around the world**.

The decision to produce **renewable energy** (installation of an 800 kW photovoltaic system), the concrete application of the circular economy and the adoption of an energy efficiency plan have led Cerea FCP to improve the company's ecological footprint.



www.fcpcerea.it
www.nanot.eu

The company's websites aim to serve as a resource for anyone seeking information about cultivation techniques, products, research projects, and other Cerea FCP initiatives.

The nanot.eu website is aimed specifically at anyone interested in learning more about nanoNutrients.

The website is a tool for spreading awareness of the company's values and philosophy, and at the same time, an effective way to inform and communicate with all possible audiences, whether retailers, farmers, agronomists, researchers, or simply enthusiasts.

FOLLOW US

Contacts

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Via Farfusola 6, 37050
Bonavicina di S.Pietro di Morubio (VR)



LEGEND
SYMBOLS



Phosphorus, expressed in label as P_2O_5, is a low movable element in soil, therefore its water solubility is a quality index of the fertilizer because only water-soluble phosphorus is absorbed by plant. Fertilizers marked with this icon have a high water-soluble phosphorus content.



The use of this range of formulations is characterized by nitrogen protection, reducing losses due to volatilization and leaching (ammonia emissions into the atmosphere). This helps increase the effectiveness of nitrogen fertilization. Fertilizers containing this form of nitrogen are marked with the 'stabilized nitrogen' icon.



This type of coated nitrogen allows a targeted supply of fertilizer in the right phenological phase of the crop thanks to a controlled and constant release over time. It improves the effectiveness of use and limits the dosages. Fertilizers containing this form of nitrogen are marked with this iwith.



The fertilizers marked with this icon contain urea formaldehyde which guarantees a slow release of nitrogen over time, allowing a constant supply of the Nutrient.



The organo-mineral fertilizers displaying this icon are obtained starting from organic material containing humified organic substance of high agronomic value.



Fertilizers marked with this icon contain microorganisms that help fix nitrogen or colonize the plant habitat, improving their resistance and growth.



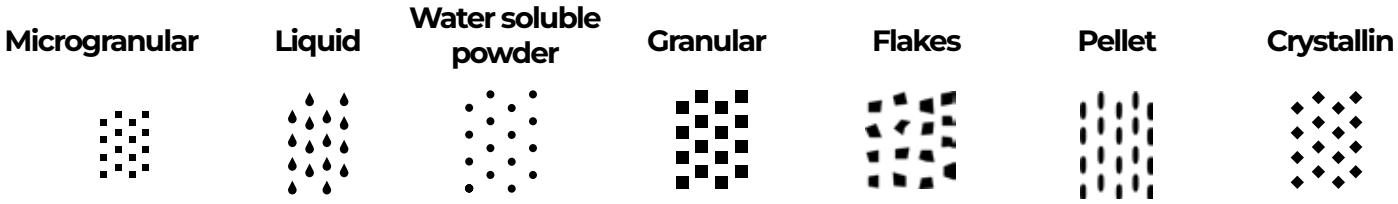
Fertilizers marked with this iwith are allowed in organic agriculture.



Product registered as a microbial biostimulant for plants pursuant to Regulation (EU) No. 2019/1009.

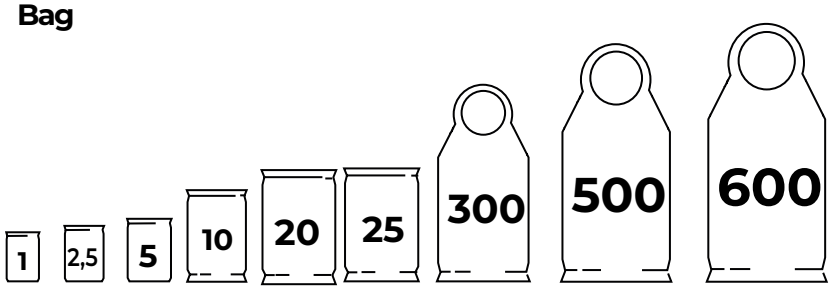
LEGEND
PACKAGING

Tipology



Packaging

Bag

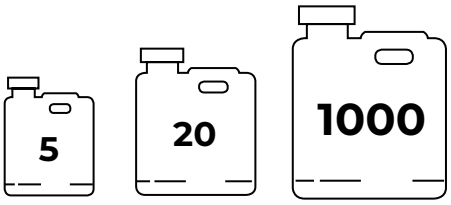


Bag **1 KG**
Bag **2,5 KG**
Bag **5 KG**

Bag **10 KG**
Bag **20 KG**
Bag **25 KG**

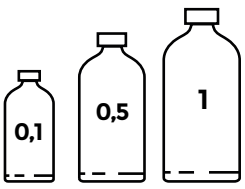
Big Bag **300 KG**
Big Bag **500 KG**
Big Bag **600 KG**

Tank



Tank **5 L**
Tank **20 L**
Tank **1.000 L**

Bottle



Bottle **0,1 L**
Bottle **0,5 L**
Bottle **1 L**

CERTIFICATIONS

Assofertilizzanti Quality Mark

The Assofertilizzanti Quality Mark is a “collective mark” which allows to identify companies that are committed to operating in quality in the fertilizer production and business system management. It is granted by Assofertilizzanti based on the inspections carried out by the ICQRF, and by MASAF.
Cerea FCP has achieved this mark on all fertilizers produced inside its firm.

Responsible Care

Responsible Care is a voluntary program of the global chemical industry based on the implementation of safety principles and behaviours on Employee health and Environmental Protection and on the commitment to communicate the results achieved, towards a continuous significant and tangible improvement.
Currently, the ‘Responsible Care’ program is adopted by over 10,000 chemical companies in more than 50 countries worldwide, including Cerea FCP

UNI ISO 45001

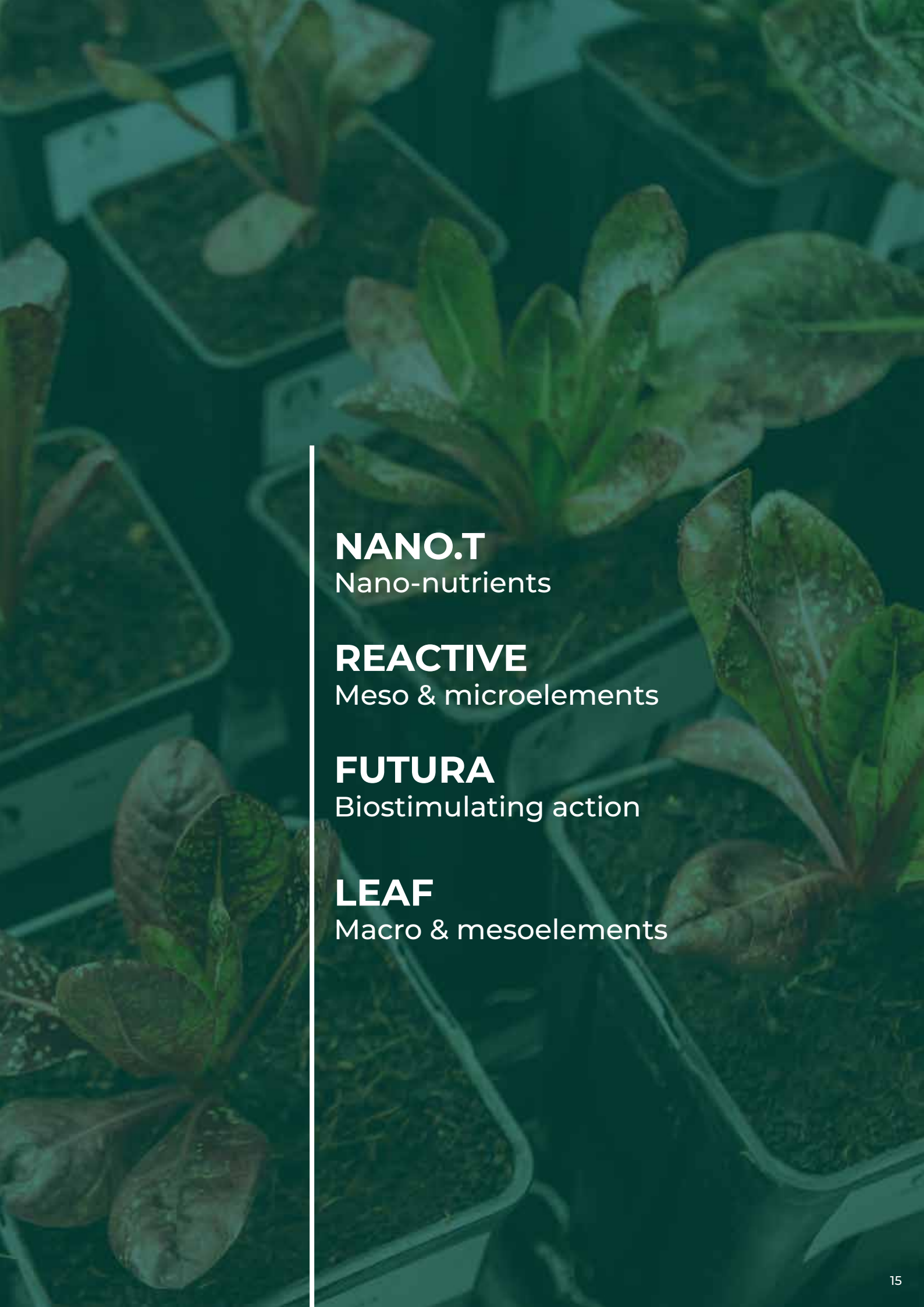
Cerea FCP has obtained the UNI ISO 45001 certification regarding the occupational health and safety management system. This is the first step to achieve an Integrated Quality, Safety and Environment Management System.

BIOAGRICERT

Cerea FCP has obtained Organic Certification for certain products, issued by Bioagricert, a third-party certification body recognized by the EU. This certification verifies compliance with mandatory regulations and ensures that products and processes meet the required standards for production, processing, and marketing.



SPECIAL NUTRITION



NANO.T
Nano-nutrients

REACTIVE
Meso & microelements

FUTURA
Biostimulating action

LEAF
Macro & mesoelements

NUTRITIONAL SOLUTIONS

The right products for every need

Vegetative Development

AIMS
- Lush and balanced growth (vegetative-productive balance)
- Healthy and resistant plants

BEST TO USE
High-quality nutrients, primarily nitrogen, combined with matrices that enhance their efficiency (amino acids, lignosulfonates, etc.)

Leaf N-Fast
Leaf N
Verv N9
SuprEmo
Giove Bio Gold

Fruit Size

AIMS
- Uniform size;
- Larger sizes;
- Not compromising quality and shelf life

BEST TO USE
Some particularly pure organic matrices rich in highly biologically active substances (Ashophillum nodosum algae).

Crisco
VigorGreen

Quality of the products

AIMS
- Increase dry matter;
- Improve flavor, texture, and shelf life;
- Intense and uniform fruit color;
- Increase specific weight and protein content

BEST TO USE
Formulations with high-quality calcium and potassium, amino acids and algae, nitrogen and sulfur.

CalcioMagno
Focus Ca
Leaf P Ca
K Fast
Leaf K
Leaf S Quality
Glycos Plus
Nano.T Capo
MagnetiCal

Flowering and Fruit Set

AIMS
- Stronger blooms with well-formed flowers;
- Improve fruit set, under stressors
- Reduce fruit drop

BEST TO USE
Elements such as boron and iron and some high-quality organic matrices.

NaturBlack
Vigorgreen
StimUp
Oro-B
Proser MnZn

Rooting

AIMS
To achieve:
- rapid rooting of seeds and successful transplanting;
- healthy, expanded roots;

BEST TO USE
Phosphorus-based formulations and organic matter, essential in this initial phase.

Leaf P Ca
Hydrostar
Be Start
Mycovix
Verv N9
NaturBlack
SuprEmo
Giove Bio
VigorGreen

LEGEND

Organic
Foliar application
Fertigation

Micronutrient deficiencies

AIMS
To overcome:
- Nutritional imbalances;
- Specific symptoms due to deficiencies (iron chlorosis, stunted growth, tip burn, etc.);
- Stunted growth

BEST TO USE
Products containing one or more nutrients, formulated to improve their absorption and translocation.

Nanot Fe
Nanot Fe Bio
Febo Mix
Febo Bio
Color MgZn
Oro-B

Soil Fertility

AIMS
To overcome:
- Organic matter deficiency;
- Soil fatigue;
- Compaction

BEST TO USE
Products based on organic, plant, or animal matrices that improve soil fertility by enhancing the activity of associated products.

Verv N9
SuprEmo
NaturBlack
Giove Bio Gold
Iride

Salinity

AIMS
Promote water absorption by the plant.

To overcome:
- Nutritional imbalances (e.g. low calcium);
- Stunted growth;
- Soil degradation due to high sodium concentration (sodicity).

BEST TO USE
Some matrices, such as carboxylic acids, can acidify the soil and sequester some of the salts, including harmful ones like sodium.

Calcito
Proser Ca

Environmental stress

AIMS
To overcome: water imbalances; temperature fluctuations; late frosts; phytotoxicity; adverse humidity and temperature conditions.

BEST TO USE
Products with biostimulant action, containing microorganisms or elements capable of strengthening the plant, improving stress resistance, and promoting crop recovery.

A-Myco
Mycovix
SuprEmo
NaturBlack
Giove Bio
Cerere
VigorGreen
Proser MnZn
Nanot Cu
Nanot Cu Bio
Nanot Total
Nanot Chitosano

TREE CROPS

Nutrient solutions for every phenological phase.

LEGEND
Organic

FOLIAR

Febo Mix
Nano.T Cu
Nano.T Cu Bio
Nano.T Total
A-Myco

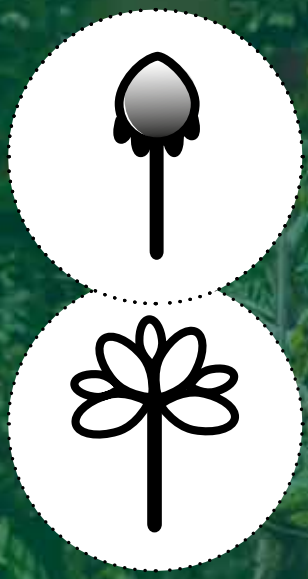
Nano.T Cu (or Nano.T Cu Bio) every 15 days applied eve
Nano.T Total focuses on creating a favorable environment

Giove Bio Gold
Leaf N-Fast
Leaf N
HydroCore

Oro-B
BiZzar
NaturBlack
Vigorgreen
HydroCore







VEGETATIVE GROWTH

VEGETATIVE DEVELOPMENT

PRE FLOWERING AND FLOWERING

FERTIGATION

HydroStar
Verv N9
Giove Bio
HydroCore

SuprEmo
Calcito
Nano.T Fe
Nano T Fe Bio

For iron chlorosis Nano.T Fe (or Nano.T Fe Bio) are the
Dosage based on the soil's chlorinating power index.

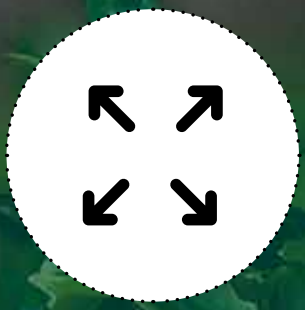
In saline, sodic, calcareous soils with an alkaline pH, add C

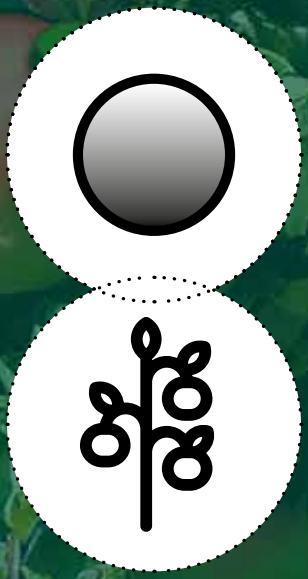
ery 15 days is advised for stronger and more resilient plants.
ts for leaves, shoots and fruits

MagnetiCal
Crisco
Leaf P-Ca
Nano.T CaPO
HydroNova
HydroCore

Leaf K
Glycos Plus
HydroNova







FRUIT SET

FRUIT SWELLING

VERAISON AND RIPENING

CalcioMagno
Focus Ca

K-Fast

targeted solutions.

Calcito every 20-25 days.

EXTENSIVE CROPS

Nutrient solutions for every phenological phase.

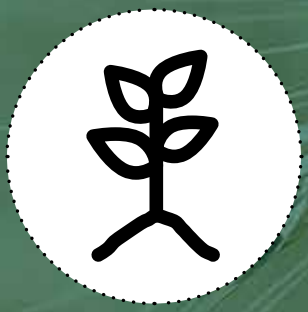
LEGEND
Organic

FOLIAR

Leaf P-Ca
SuprEmo
Leaf N Fast
NaturBlack
Giove Bio Gold
B-Power



FIRST LEAVES

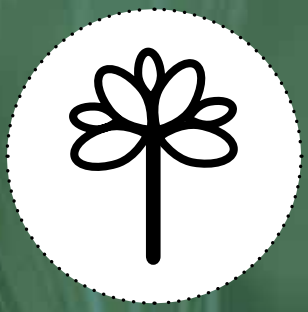


VEGEETATIVE DEVELOPMENT

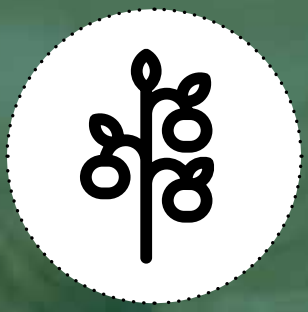
Leaf N Fast
Leaf S Quality
Leaf N
Giove Bio Gold



EARING



FLOWERING



RIPENING

HORTICULTURAL CROPS

Nutrient solutions for every phenological phase.

LEGEND
Organic

FOLIAR

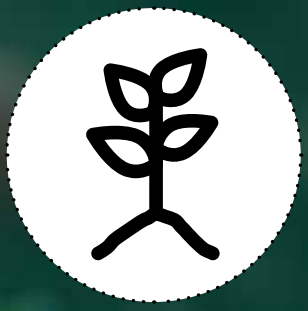
Febo Mix
Nano.T Cu
Nano.T Cu Bio
Nano.T Total
A-Myco

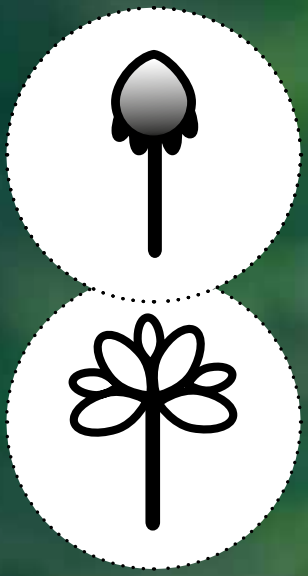
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Leaf N-Fast
Proser MnZn
HydroCore

Cri
Stin
NaturE
Oro







VEGETATIVE GROWTH

VEGETATIVE DEVELOPMENT

PRE FLOWERING AND FLOWERING

FERTIGATION

HydroStar
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Mycovix
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SuprEmo
Calcito
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Nano T Fe Bio

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Dosage based on the soil's chlorinating power index.

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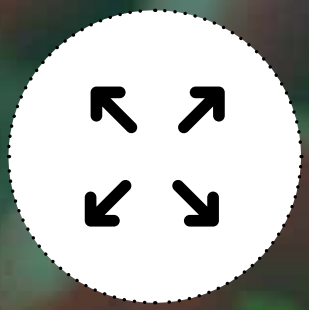
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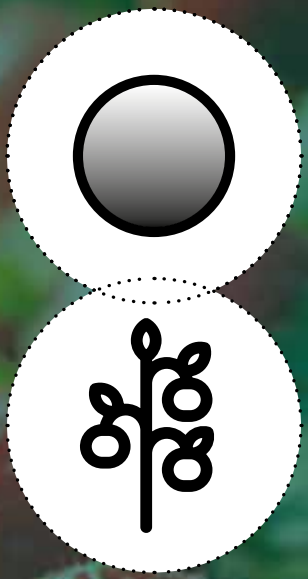
isco
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-B

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Leaf P.Ca

Leaf K
Proser Ca
HydroNova







FRUIT SET

FRUIT SWELLING

VERAISON AND RIPENING

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Focus Ca
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HydroNova

K-Fast

targeted solutions.

Calcito every 20-25 days.



NANO.T
TECHNOLOGY FOR AGRICULTURE

Liquid fertilizer family based on nanoparticles in colloidal suspension.

The Nano.T® product line is obtained thanks to the FCP Cerea patented technology. It allows you to correct deficiencies and chlorosis in a new way by improving the efficiency of use of fertilizers by reducing dosages.

NANO.T®

NANO.T
Technology for agriculture

TECNOLOGIA FCP CEREA BREVETTATA

CEREA FCP's patented technology allows to produce highly efficient nano-fertilizers.

1
High efficiency

Nanoparticles have an elevated contact surface, which easens dissolution and absorption in the plant, allowing a reduced dosage of use;

2
Stability in the formulation

The patented production process allows to obtain a stable colloidal suspension over time, avoiding precipitation or aggregation;

3
Long-lasting action

Products obtained through the NANO.T process can be employed in the most difficult environmental conditions without altering their characteristics;

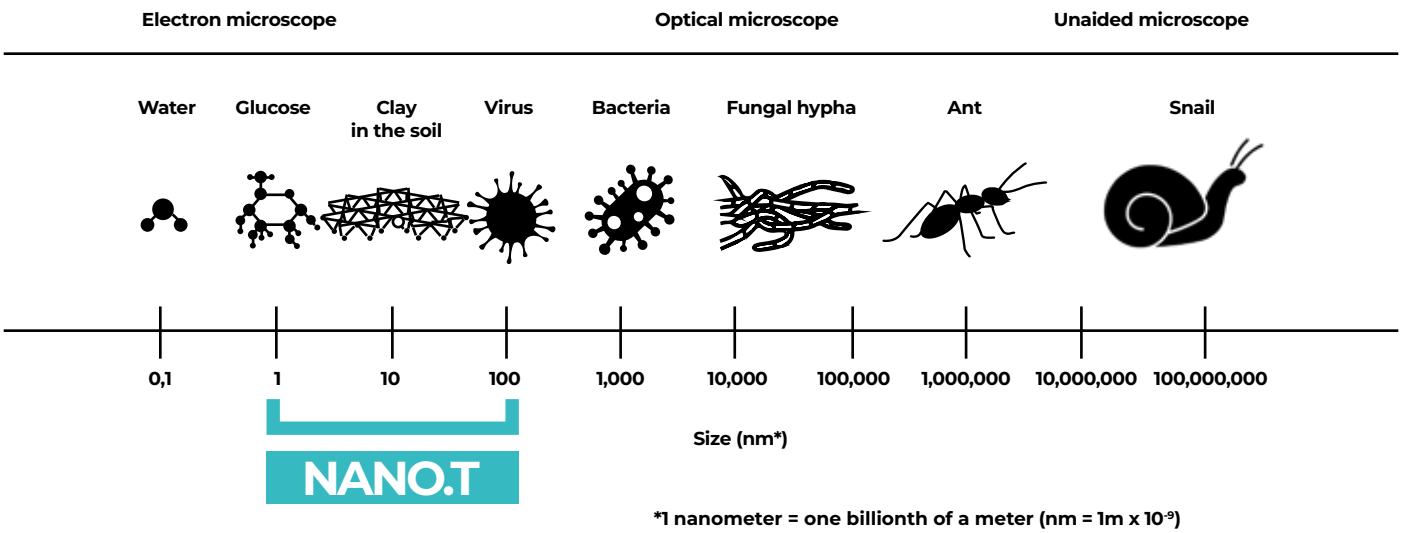
4
Low environmental impact

Nano-fertilizers do not leach on the soil and have the ability to adhere to the leaf without dispersing in the environment and requiring a limited number of applications;

5
Innovative patented technology

The NANO.T technology is an innovation born from a collaboration between the R&D department of FCP Cerea and the department of Biotechnology of the University of Verona.

Size comparison: from nano to macro



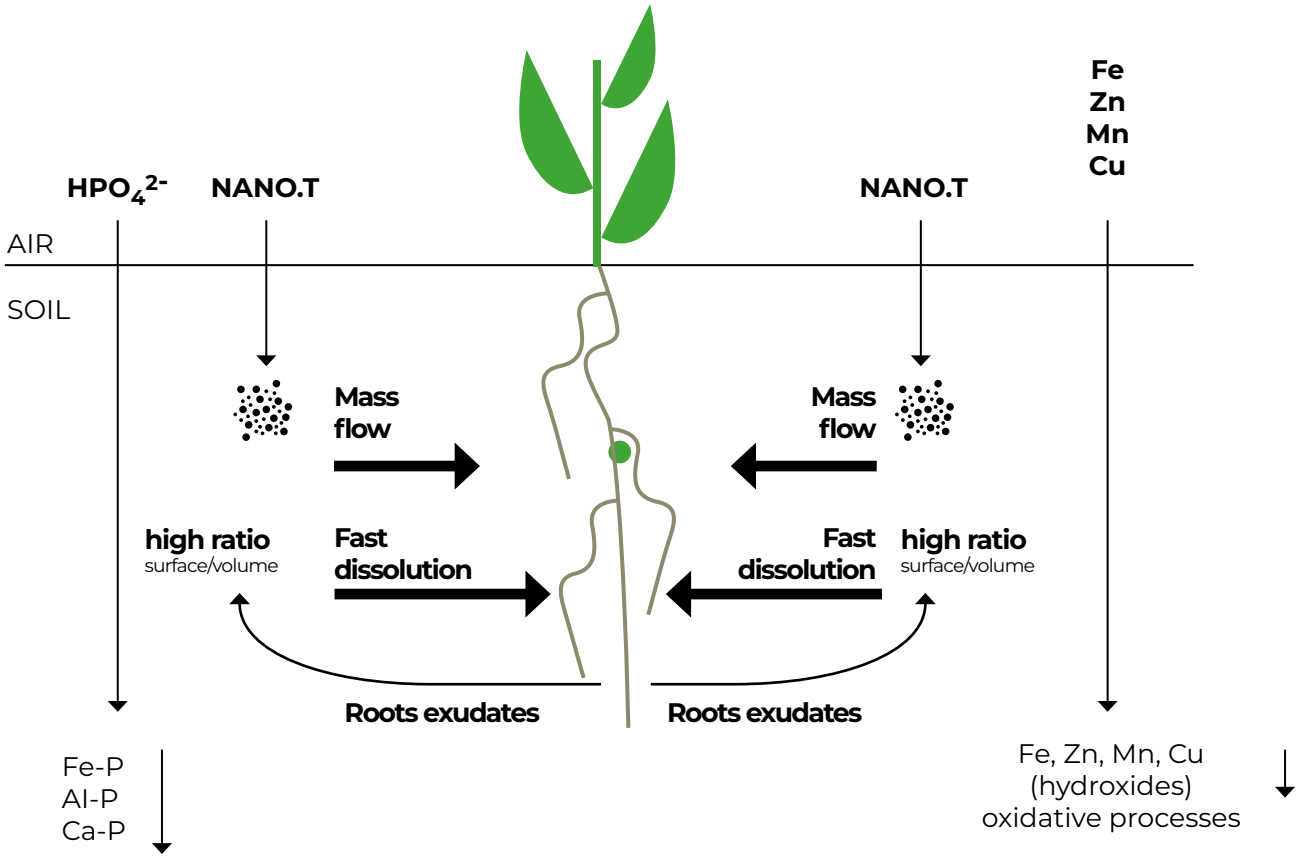
*1 nanometer = one billionth of a meter (nm = 1m x 10^{-9})

OPERATING PRINCIPLE NANO.T IN FERTIGATION

Nutrients with an internal concentration smaller than 100 mg/kg are called microelements: Iron (Fe), Zinc (Zn), Copper (Cu), Manganese (Mn), Boron (B), Molybdenum (Mo). Four of them (Fe, Zn, Mn, and Cu) oxydise easily into the soil or, reacting with other elements, create insoluble compounds.
This causes poor Nutritional efficiency (waste of resources, lower production and environmental impact).

NANO.T® fertilizers are innovative products that overcome all of these problems.

The scheme here below shows the operating strategy of NANO.T® fertilizers.



NANO.T® nutrient release mechanism in the roots

NANO.T® due to its solid nature and its very small dimension (less than 100 nm), doesn't precipitate when it is applied on the soil (which happens with soluble phosphate and sources of Fe, Zn, Mn, Cu) and reaches the roots easily passing through soil pores (it is transported by the mass flow). Once it reaches the rhizosphere (area very close to the plant root), the high ratio surface/volume of NANO.T® helps the solubility - made by roots exudates - and the Nutrients uptake.

IRON EXAMPLE

Comparison between chelates, complexed and NANO.T® Fe

	NANO.T®	EDDHA o.o.	EDDHA o.p.	EDDHSA	LSA
Photolabile inactivated by the light	NO	YES	YES	YES	NO
Leachable by the soil	NO	YES	YES	YES	NO
Solubility and pH	100% pH 1-10	pH 4- 9 =100%; pH >9= 90 %	pH 4- 9= 90%; pH>10= 80%	pH 4- 9= 100%; pH>10 95 %	pH 3.5- 7 =80% pH >8= 50%

Chelating and complexing agents

- Limited persistence since they can be deactivated by the pH in the soil
- Reduced effectiveness if exposed to ultraviolet light, heat, oxidizing agents
- They can be dispersed in the environment because they are subject to leaching and to polluting groundwater

NANO.T® Fe

- High persistence, effective and stable in a wide range of pH (1-10)
- Active in any condition of light and temperature
- Low environmental impact as they are retained by the soil and not subject to leaching

MECHANISM OF ACTION NANO.T® IN FOLIAR APPLICATIONS

Considering the Nutrients that the plant absorbs in intermediate amounts (meso-nutrients), there are some that the plant struggles to translocate in the most appropriate ways (e.g., calcium). **NANO.T® fertilizers are nanofertilizer formulations that can also provide a solution to this type of problem, thanks to their size and uniformity of distribution.**

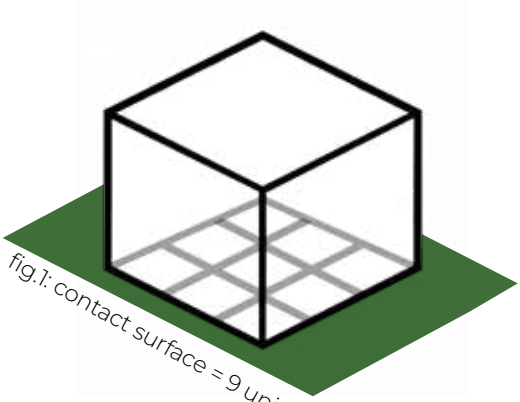


fig.1: contact surface = 9 units

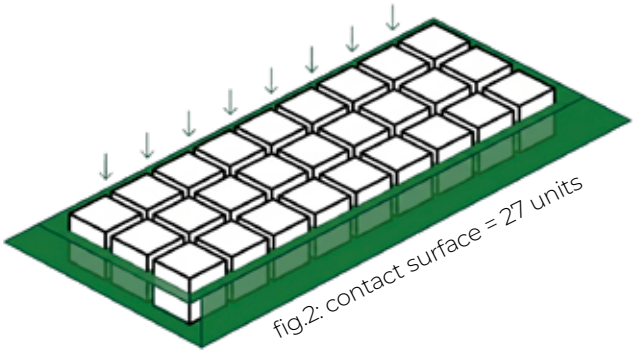


fig.2: contact surface = 27 units

The NANO.T® technology makes it possible to have in one litre of product millions of billions of particles with a dimension ranging between 1 and 100 nanometres with a wide specific surface area. **Compared to traditional technology (fig. 1), these extremely small dimensions allow for a better coverage of the plant's aerial parts and for easier absorption through cell walls (fig. 2), ensuring high efficacy.**

THE CALCIUM EXAMPLE

Comparison between calcium chloride and nano-calcium

Calcium chloride

⊖ **It is poorly mobile within the plant.** It is absorbed by the roots and, through the xylem vessels, tends to settle on the leaves involved in photosynthesis, only reaching a small amount of the fruit through transpiration.

⊖ **If applied to leaves, it tends to stick to their surface.**

NANO.T® CaPO / Carbo

⊕ **Highly effective at low doses,** nanoparticles have a large contact surface and are evenly distributed across the leaf surface, facilitating absorption.

⊕ **Increasing the calcium content in the rachis** results in a lower percentage of berry detachment in crops such as grapes.

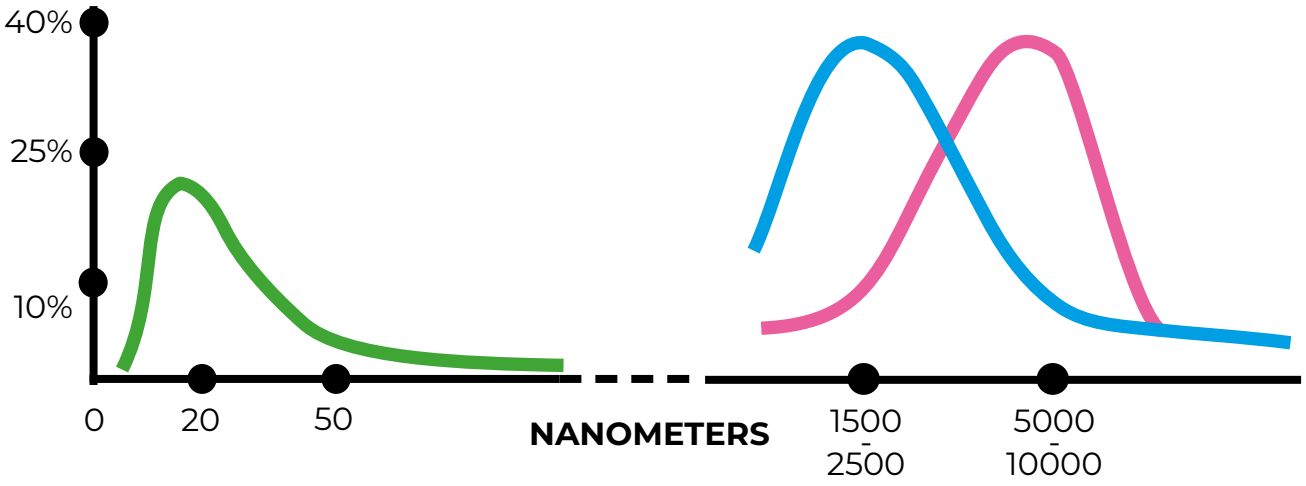
⊕ **Increasing the calcium content in the peel** results in a lower percentage of fruit cracking (e.g., nectarines).

⊕ **Increasing the calcium content in fruit** results in improved quality and shelf life.

THE COPPER EXAMPLE

Comparison with hydroxides, micronized and NANO.T Cu

Nanoparticles have a dimension one hundred times inferior to that of other products: in the chart (green curve) the majority of the particles of NANO.T Cu have a dimension of 20 nm while other standard hydroxides (pink curve) measure around 7000 nm as well as the most innovative products such as those micronized (blue curve) around 2000 nm.



Hydroxides and micronized

⊖ **They require a higher dosage** due to their major dimension and inferior uniformity of distribution

⊖ **Persistence is reduced** in inverse proportion to the dimension of the particles

⊖ **They can disperse in the environment** accumulating in the soil

NANO.T® Cu

⊕ **High effectiveness at low dosages** nanoparticles have a wide surface contact area and distribute uniformly on the leaf, improving absorption

⊕ **Persistent on the leaf** the formulation in colloidal suspension allows a better adhesive capacity to foliar waxes

⊕ **Lower environmental impact** thanks to the low dosage and the improved adhesive capacity

⊕ **It improves the effectiveness of the products combined with it** wide range of miscibility with both fertilizers and/or pesticides

NANO.T® Fe

Effectively prevents iron chlorosis

NANO.T ® Fe 2.0 effectively prevents iron chlorosis thanks to its formulation containing Nano-Iron in colloidal suspension. NANO.T ® Fe 2.0 is persistent because it is retained in the soil (it does not leach) and it is stable in a very wide pH range from 1 to 10. NANO.T ® Fe 2.0 stimulates rooting and prevents post-transplant stress. The acidic pH favors the absorption of the fertilizers associated with it. The NANO.T ® production process is a patent of FCP Cerea.

Benefits

- It effectively prevents iron chlorosis, even in soils with high chlorinating power where the chelates are not very effective;
- Promotes an optimal development of the root system;
- Persistent since it is not deactivated (effective at pH 1-10) and is not subject to leaching;
- Easily usable:
- It can be used during the day as it is not photolabile
- It does not create deposits in fertigation systems
- It can be applied both in fertigation and localized with the injector pole
- Acidic pH, increases the effectiveness of the fertilizers associated with it

NANO.T

TYPE
Liquid

PACKAGING





Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Iron (Fe) total	**3%**
of which soluble in water of which in nano formo	2,0% 1,0%
Phosphorus (P_2O_5) total	**2,0%**
Potassium (K_2O) soluble in water	**2,5%**
Sulfur (SO_3) soluble in water	**3,0%**
pH	**1,3**

DENSITY
1,16 +/- 0,05 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION DOSAGES	PERIOD
Roots bath	200 ml/hl	pre-transplant
Stone fruits	4-5 l/ha	vegetative growth, pre-flowering, stone swelling, post-harvest.
Actinidia (kiwi)	4-5 l/ha	vegetative growth, pre-flowering, fruit swelling, post-harvest.
Apple tree	4-5 l/ha	vegetative growth, pre-flowering, fruit swelling, post-harvest.
Pear tree	6-10 l/ha	opening of the buds, fruit set, fruit swelling, post-harvest.
Wine and table grapes	6-10 l/ha	vegetative growth, vegetative development, flowering, fruit set.
Citrus trees	30-60 ml/plant	pre-flowering, after fruit set, fruit swelling.
Open field horticultural	3-4 l/ha	2-3 post-transplant applications every 12-15 days.
Tomato	5 l/ha	2-3 post-transplant applications every 12-15 days.
Horticultural in greenhouse	300-500 ml/1000 m^2	2-3 post-transplant applications every 12-15 days.
All crops	2-3 l/a	FOLIAR APPLICATIONS: any vegetative stage

NANO.T ®Fe Bio

Effectively prevents iron chlorosis

NANO.T ® BIO FE allows a better contribution of iron thanks to nanotechnology. NANO.T ® Bio Fe is recommended to prevent iron chlorosis by using an iron control agent. NANO.T ® Bio Fe is effective in soils with high chlorinating power characterized by a high content of active limestone. NANO.T ® Bio Fe is recommended for the application in fertigation and is also usable in soilless cultivations (peat, cowithut fiber). The NANO.T ® production process is a patent of FCP Cerea.

Benefits

- It effectively prevents iron chlorosis, even in soils with high chlorinating power where the chelates are not very effective;
- Promotes an optimal development of the root system;
- Persistent since it is not deactivated (effective at pH 1-10) and is not subject to leaching;
- Easily usable:
- It can be used during the day as it is not photolabile
- It does not create deposits in fertigation systems
- It can be applied both in fertigation and localized with the injector pole
- Acidic pH, increases the effectiveness of the fertilizers associated with it

TYPE
Liquid

PACKAGING





COMPOSITION

Iron (Fe) soluble in water, complexed with plant extract containing tannins	**3%**
Sulfur (SO_3) soluble in water	**5%**
pH	**2,0**

DENSITY
1,12 +/- 0,05 kg/dm^3

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	DOSAGES FERTIGATION	PERIOD
Stone fruits	4-5 l/ha	vegetative growth, pre-flowering, stone swelling, post-harvest.
Actinidia (kiwi)	4-5 l/ha	vegetative growth, pre-flowering, fruit swelling, post-harvest.
Apple tree	4-5 l/ha	vegetative growth, pre-flowering, fruit swelling, post-harvest.
Pear tree	6-10 l/ha	opening of the buds, fruit set, fruit swelling, post-harvest.
Wine and table grapes	6-10 l/ha	vegetative growth, vegetative development, flowering, fruit set.
Citrus trees	30-60 ml/plant	pre-flowering, after fruit set, fruit swelling.
Open field horticultural	3-4 l/ha	2-3 post-transplant applications every 12-15 days.
Horticultural in greenhouse	300-500 ml/1000 m^2	3-4 post-transplant applications every 15 days.
All crops	2-3 l/a	FOLIAR APPLICATIONS: any vegetative stage

NANO.T® Cu

High Efficiency Copper

NANO.T ® CU contains copper with high Nutritional efficiency thanks to the small size (nanotechnology) of the particles present in the formulation which makes it effective even at low dosage. NANO.T ® Cu 4.5 is ideal for TREATING DEFICIENCIES AND PREVENTING PHYSIOLOGICAL and mechanical DAMAGES (cracks, hail, pruning and harvesting) of the foliar and root system of the plant. NANO.T ® Cu 4.5, being a colloidal suspension of nano particles, has a wide contact surface and it does not leach when applied on the leaf and on the soil. NANO.T ® Cu 4.5 strengthens the plant and plant tissues.
The NANO.T ® production process is a patent of FCP Cerea.

Benefits

- Low-dosage effectiveness thanks to the wide contact surface;
- Low environmental impact as it does not leach if applied on the leaf and in fertigation;
- Low risk of phytotoxicity
- It doesn't stain crops thanks to the innovative formulation;
- Highmiscibility (fertilizers and / or pesticides), by acidifying the solution.

TYPE
Liquid

PACKAGING

1 5 20



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Copper (Cu) total	**4,5%**
of which in nano form of which soluble in water	2,5% 2%
Phosphorus (P_2O_5) total	**3,0%**
Potassium (K_2O) soluble in water	**4,0%**
Sulfur (SO_3) soluble in water	**7,0%**
pH	**3**

DENSITY
1,18 +/- 0,05 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	MODE
Pome fruit (apple, pear)	1-2 l/ha	foliar
Stone fruit (Peach, Nectarine, Percoco, Apricot, Plum, Almond, Cherry)	1-1,5 l/ha	foliar
Olive (for oil and table). Kiwi, Walnut	3-4 l/ha	foliar
Wine grapes and table grapes	1,5-4 l/ha	foliar
Citrus fruits (Orange, Mandarin, Clementine, Lemon, Grapefruit, Cedar)	3-3,5 l/ha	foliar
Hazelnut, Chestnut	3-3,5 l/ha	foliar
Vegetables (processing tomato, table tomato, pepper, aubergine, courgette, cucumber, pumpkin, melon, watermelon, strawberry, artichoke)	3-3,5 l/ha	foliar
Potato, Carrot, Onion, Garlic, Leek, Beetroot	2-3 l/ha	foliar
Spinach, leafy vegetables (lettuce, radicchio, chicory)	2-2,5 l/ha	foliar
Broccoli, Cabbage, Cauliflower, Fennel	1-1,5 l/ha	foliar
Small fruits (blueberry, raspberry, blackberry, etc.)	1,5-2 l/ha	foliar
All crops	2,5-3 l/ha	fertigation

NANO.T® Cu Bio

High Efficiency Copper

NANO.T ® CU BIO, thanks to the small size (copper hydroxide nano) of the particles present in the formulation is effective even at low dosages. NANO. T ® Cu Bio is ideal to treat deficiencies and prevent physiological and mechanical damage (cracks, hail, pruning and harvesting) of the plant's foliar and root system. NANO. T ® Cu Bio has a high contact surface and is poorly washable when applied by foliar application and non-washable when applied to the ground. NANO. T ® Cu Bio strengthens the plant and plant tissues. The production process NANO. T ® is a patent of FCP Cerea.

Benefits

- Effective at low dosage due to high contact surface;
- Low environmental impact because it is poorly washable when applied by foliar and not leachable when applied in fertigation;
- Low risk of phytotoxicity;
- Does not stain crops thanks to the innovative formulation;
- It improves the effectiveness of the associated products (whether they are fertilisers and/or pesticides) by acidifying the solution.

TYPE
Liquid

PACKAGING

1 5 20



COMPOSITION

Copper (Cu) total	**5,5%**
pH	**3,3**

DENSITY
1,10 +/- 0,05 kg/dm³

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	DOSAGES	MODE
Pome fruit (apple, pear)	1-2 l/ha	foliar
Stone fruit (Peach, Nectarine, Percoco, Apricot, Plum, Almond, Cherry)	1-1,5 l/ha	foliar
Olive (for oil and table). Kiwi, Walnut	2-4 l/ha	foliar
Wine grapes and table grapes	2-4 l/ha	foliar
Citrus fruits (Orange, Mandarin, Clementine, Lemon, Grapefruit, Cedar)	3-4 l/ha	foliar
Hazelnut, Chestnut	3-4 l/ha	foliar
Vegetables (processing tomato, table tomato, pepper, aubergine, courgette, cucumber, pumpkin, melon, watermelon, strawberry, artichoke)	2-3 l/ha	foliar
Potato, Carrot, Onion, Garlic, Leek, Beetroot	2-3 l/ha	foliar
Spinach, leafy vegetables (lettuce, radicchio, chicory)	2-2,5 l/ha	foliar
Broccoli, Cabbage, Cauliflower, Fennel	2-2,5 l/ha	foliar
Small fruits (blueberry, raspberry, blackberry, etc.)	1,5-2 l/ha	foliar
All crops	2,5-3 l/ha	fertigation

NANO.T® Zn

Active protection against stress

NANO.T Zn is a liquid formulation based on zinc nanoparticles designed to maximise Nutrient Use Efficiency (NUE). Thanks to its small size (<100 nm), NANO.T Zn overcomes cuticular and stomatal barriers with a much higher translocation rate than conventional zinc. NANO.T Zn is essential for the synthesis of auxin precursors (tryptophan).
It prevents leaf dwarfism and internode shortening.
NANO.T Zn improves the mechanical strength of tissues and the plant's response to abiotic stresses (thermal, water and mechanical).
Thanks to its nanoparticle formulation, NANO.T Zn allows for the controlled release of zinc, ensuring gradual and constant assimilation over time.

Benefits

- Stimulates the production of secondary metabolites: thicker cell walls (lignification), increased mechanical strength of tissues (plants more resilient to environmental stresses such as temperature changes, drought, wind and/or hail damage);
- Greater photosynthetic efficiency: more vigorous, productive plants and greater leaf expansion;
- Synthesis of auxin precursors: better rooting, flowering and fruit set;
- Greater specific surface area: greater biochemical reactivity, better and more uniform leaf and root coverage, total assimilation without loss due to leaching.

NANO.T

TYPE
Liquid

PACKAGING





COMPOSITION

Potassium oxide (K_2O) soluble in water	**5%**
Zinc (Zn) total	**4%**
pH	**6**

DENSITY
1,10 +/- 0,05 kg/dm³

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

Crops	Foliar	Fertigation	Period
Fruit trees	2-3 l/ha	5-6 l/ha	From vegetative growth to the end of flowering
Olive trees	2,5-3 l/ha	5 l/ha	Pre-flowering, end of flowering, fruit set
Table and grapevine	2-3 l/ha	5-6 l/ha	Budding, pre-flowering, bunch elongation
Open field horticultural	2-2,5 l/ha	4-5 l/ha	Post-transplant, leaf development
Horticultural in greenhouse	2-2,5 l/ha	350-450 ml/1000 m²	Post-transplant, leaf development

NANO.T® CuZn

Prevention and treatment of physiological damage

NANO.T CuZn is a high-efficiency copper and zinc-containing product developed by Cerea FCP through nanomaterials research. Copper and zinc create an effective synergy to TREAT DEFICIENCIES, PREVENT PHYSIOLOGICAL and mechanical DAMAGES of the leaf system.
NANO.T ®CuZn, being a colloidal suspension of nanoparticles, has a high contact surface and is poorly washable, making it a particularly suitable product for foliar treatments that can also be used in fertigation to provide nutrients to the plant. The NANO. T manufacturing process is a patent of Cerea FCP.

Benefits

- High low-dose efficacy: nanoparticles, thanks to their size hundreds of times smaller than that of other products, have a high contact surface and are evenly distributed on the leaves, facilitating their absorption;
- Persistent on the plant: the colloidal suspension formulation allows for better adhesion to leaf waxes;
- Easily usable since it can be mixed with the main plant protection products.

TYPE
Liquid

PACKAGING





COMPOSIZIONE

Zinc (Zn) total	**2%**
Copper (Cu) total	**2%**
Phosphorus (P_2O_5) total	**5%**
of which soluble in water of which soluble in neutral ammonium citrate and water	2% 5%
Potassium (K_2O) soluble in water	**7%**
Sulfur (SO_3) soluble in water	**5%**

DENSITY
1,21 +/- 0,05 kg/dm³

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

Crops	Dosages	Mode
Pome Fruits (Apple, Pear)	2 l/ha	foliar
Stone Fruits (Peach, Nectarine, Peach, Apricot, Plum, Almond, Cherry)	2 l/ha	
Olive (for oil and table), Kiwi, Walnut	3-4,5 l/ha	
Wine Grapes and Table Grapes	2-4,5 l/ha	
Citrus Fruits (Orange, Mandarin, Clementine, Lemon, Grapefruit, Citron)	3,5 l/ha	
Hazelnut, Chestnut	3,5 l/ha	
Vegetables (Processing Tomato, Table Tomato, Pepper, Eggplant, Zucchini, Cucumber, Pumpkin, Melon, Watermelon, Strawberry, Artichoke)	3,5 l/ha	
Potato, Carrot, Onion, Garlic, Leek, Beetroot	3 l/ha	
Spinach, Leafy Vegetables (Lettuce, Radicchio, Chicory)	2,5 l/ha	
Broccoli, Cabbage, Cauliflower, Fennel	1,5 l/ha	
Small Fruits (Blueberry, Raspberry, Blackberry, etc.)	2 l/ha	
All crops	4 - 6 l/ha	fertigation

NANO.T® CaPO

Quality and shelf life of fruits

FCP CEREA TECHNOLOGY PATENTED

NANO.T® CAPO contains highly efficient calcium, which, thanks to its colloidal nanoparticle formulation, is evenly distributed throughout the plant and is lowly leachable. Calcium is rapidly absorbed and delivered to the fruit, helping to improve its quality and shelf life.
NANO.T® CAPO prevents and treats calcium deficiencies (blossom-end rot, cracking, bitter pit, tipburn) and helps strengthen plant tissue.

Benefits

- Highly effective at low dosage: thanks to their unique size, the nanoparticles have a large contact surface and are evenly distributed across leaves and fruits, facilitating absorption;
- Persistent on plants and fruits: the colloidal suspension formulation allows for better adhesion to leaf waxes;
  It is easy to use as it can be mixed with major plant protection products.

NANO.T

TYPE
Liquid

PACKAGING





COMPOSITION

Phosphorus (P_2O_5) total	**4%**
Potassium (K_2O) soluble in water	**5,5%**
Calcium (CaO) total	**4,5%**
of which soluble in water	2%
pH	**3,5**

DENSITY
1,17 +/- 0,05 kg/dm^3

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Stone fruits	2-5 l/ha	post-flowering, fruit swelling, veraison
Pome fruits	2-5 l/ha	post fruit set, fruit swelling, veraison
Wine and table grape	3-5 l/ha	pre-flowering, veraison, 15 days before harvest
Kiwi	2-4 l/ha	post fruit set, fruit swelling, 20 days before harvest
Tomato	2-3 l/ha	pre-flowering, post fruit set, veraison
Olive tree	4-5 l/ha	pre-flowering, post fruit set, stone hardening, veraison
Apple tree, zucchino, cucumber	2-4 l/ha	Post fruit set, fruit swelling
Leafy vegetables	1-3 l/ha	15 days after transplant, 15 days before harvest

NANO.T® Carbo

Fruit quality and shelf life

Liquid fertilizer that allows a high-efficiency calcium supply thanks to nanotechnology, which makes the element readily assimilated by the plant in all its parts and in particular in the fruits. In this way, some physiopathies (apical rot, tip-burn, cracking, etc.) can be prevented and the resistance of plant tissues can be improved, increasing the shelf life of the fruits. In fact, calcium nanoparticles are able to reach the parts of the plant where this element normally struggles to reach. NANO T is a Cerea FCP patent.

Benefits

- It stimulates root development and flowering thanks to the non-retrogradable Nano-phosphorus which is completely available to the plant;
- Improves the absorption efficiency of the root thanks to the acidic pH;
- Promotes vegetative and productive development;
- Increases fruit quality thanks to totally assimilable nitrogen and potassium;
- High environmental effectiveness as it is non-leachable and retrogradable.

NANO.T

TYPE
Liquid

PACKAGING





Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Potassium (K_2O) soluble in water	**9%**
Calcium (CaO) total	**5,5%**
pH	**6**

DENSITY
1,14 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees	5 l/ha	during times of greatest need, repeat every 20-30 days.
Open field horticultural	5 l/ha	post-transplant, repeat every 15-20 days.
Horticultural in greenhouse	500 ml/ 1000 m^2	post-transplant, repeat every 15-20 days.

NANO.T® Total

Complete and innovative Nutrition

NANO.T ® TOTAL supplies the plant with a complete and innovative Nutrition thanks to the NANO.T production process patented by FCP Cerea. NANO.T ® TOTAL promotes root growth, the balanced development of vegetation and, thanks to the presence of iron, it stimulates photosynthesis. NANO.T ® TOTAL being in colloidal suspension is neither retrograded nor leached from the ground, resulting effective at low dosages. NANO.T ® TOTAL, due to its composition and acidic pH favours root absorption and has an unblocking action on the Nutrients already present in the soil. The NANO.T ® production process is a patent of FCP Cerea.

Benefits

- It helps create favorable environments for maintaining healthy leaves, shoots and fruits;
- It stimulates root development and flowering thanks to the non-retrogradable Nano-phosphorus which is completely available to the plant;
- Improves the absorption efficiency of the root thanks to the acidic pH;
- Promotes vegetative and productive development;
- Increases fruit quality thanks to totally assimilable nitrogen and potassium;
- High environmental effectiveness as it is non-leachable and retrogradable.

NANO.T

TYPE
Liquid

PACKAGING





COMPOSITION

Nitrogen (N) total	**6%**
of which Nitrogen Ureic of which Nitrogen Nitrico	4,4% 1,6%
Phosphorus (P_2O_5) total	**5%**
of which soluble in water	3%
Potassium (K_2O) soluble in water	**6%**
Iron (Fe) total	**2,1%**
pH	**2,3**

DENSITY
1,21 +/- 0,05 kg/dm^3

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees	5 l/ha	during times of greatest need, repeat every 20-30 days
Open field horticultural	5 l/ha	post-transplant, repeat every 15-20 days.
Horticultural in greenhouse	500 ml/ 1000 m^2	post-transplant, repeat every 15-20 days.

In case of rain, repeat the treatment at the same doses. For foliar treatments, add 1-2 l/ha of NANO.T® Total to the treatment within 7-8 days. NANO.T® Total can be applied at any phenological stage. Color and density are indicative. For hazard warnings see page 156.

NANO.T® Chitosano cloridrato

Activator of self-defense mechanisms

NANO.T ® Chitosano cloridrato represents the technological evolution of standard chitosan, a natural polymer derived from chitin. Thanks to its reduction to nanometric scale, its biological and mechanical properties are significantly enhanced.
NANO.T ® Chitosano cloridrato is a product with natural elicitor action that increases plant resistance to environmental stress. NANO.T ® Chitosano cloridrato also helps plants in case of drought, "helping" them to optimise pore closure during hot hours, reducing water loss.
NANO.T ® Chitosano cloridrato applied in the pre-harvest phase creates an invisible film that acts as a barrier for the fruit.

Benefits

- Elicitor of the plant's self-defense mechanisms against **FUNGI AND BACTERIA**;
- High surface area/volume ratio: greater chemical reactivity and greater ability to penetrate the leaf cuticle, faster and more immediate effect;
- Plants more resistant to environmental stress;
- Healthier fruit before harvesting;
- More productive plants, especially in cases of drought and/or water scarcity.

TYPE
Liquid

PACKAGING

1 5 20



Color and density are indicative.

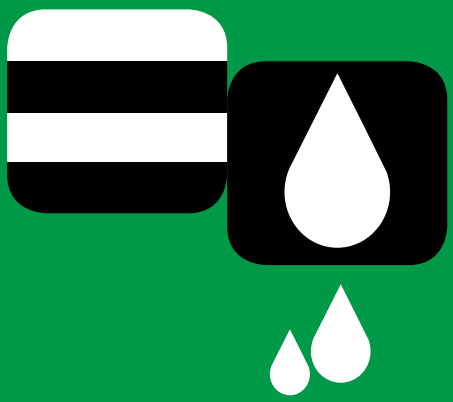
COMPOSITION

Chitosan hydrochloride	**3%**
Purity: European Pharmacopoeia	
Heavy metals	**< 40 ppm**

DENSITY
1,08 +/- 0,05 kg/dm³

DOSAGES AND USES

CROPS	DOSAGES (L) IN 100 LITERS OF WATER	DOSAGES (L/HA) (MIN/MAX)	N° OF APPLICATIONS (MIN/MAX)	PERIOD	MINIMUM INTERVAL BETWEEN THE APPLICATIONS
Table and grapevine	1,5 – 3,3	2 - 6	4 - 8	From budding to bunch closure	2 weeks
Vegetables (open field and greenhouse) and leafy vegetables	1,5 – 3,3	2 - 6	4 - 8	From vegetative growth to fruit swelling	2 weeks
Fruit TREES (pome fruits, stone fruits, kiwi, olives, etc.)	1,5 – 3,5	2 - 5	4 - 8	From vegetative recovery to fruit swelling	2 weeks
Strawberries and berries (raspberries, blackberries, berries, etc.)	1,5 – 4	3 - 8	4 - 8	From vegetative growth to post-fruit set	2 weeks
Extensive crops (tobacco, chard, beets, sunflowers, etc.)	1,5 – 4	3 - 8	1 - 8	Vegetative growth	5-7 days





REACTIVE
THE MESO & MICROELEMENTS FORCE

Family of formulations with meso and microelements, in liquid and powder form, soluble in water and available for the plants.

The Reactive product line provides plants with the meso- and micronutrients required during the various stages of the growing cycle.

The products in the Reactive line are characterized by meso- and micronutrients complexed with matrices such as carboxylic acids, lignosulfonates, organic acids, and plant matrices.

Proser MnZn

Growth promoter

PROSER MnZn is a growth promoter which, by promoting the multiplication of meristematic cells, stimulates the development of both roots and vegetative apexes. PROSER MnZn improves the absorption and activity of products applied in combination, amplifying their effectiveness. PROSER MnZn has also an anti-stress action.

Benefits

- It stimulates vegetative and radical development increasing cell multiplication;
- It promotes fruit development acting on plant metabolism;
- It has an anti-stress action;
- It improves the effectiveness of combined products (fertilizers and/or pesticides), acidifying the solution.

TYPE
Liquid

PACKAGING

1 5 20



COMPOSITION

Manganese (Mn) soluble in water	**1%**
Zinc (Zn) soluble in water	**1%**
pH	**3**

DENSITY
1,08 +/- 0,05 kg/dm^3

It also contains low molecular weight carboxylic acids.
Do not mix with copper, sulfur, or strongly alkaline reaction products. Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	1-1,5 l/ha	from vegetative growth every 10-15 days	foliar
Wine and table grape	1-1,5 l/ha	from vegetative growth every 10-15 days	foliar
Olive tree	1-1,5 l/ha	from vegetative growth every 10-15 days	foliar
Citrus trees	1-1,5 l/ha	from vegetative growth every 10-15 days	foliar
Open field horticultural	1-1,5 l/ha	from post transplant every 10-15 days	foliar
Horticultural in greenhouse	90-100 ml/hl	from post transplant every 5-7 days	foliar
All crops	1-3 l/ha	2-3 applications throughout the cycle	fertigation

Proser Ca

Quality and shelf life

PROSER CA is a specific product for the quality (color and dry substance) and shelf-life of the fruit. The calcium present is withveyed and completely assimilated thanks to the action of low molecular weight carboxylic acids. PROSER CA acts as an acidifier, improving the effectiveness of the products combined with it.

Benefits

- More storable, firm and compact fruits both on the plant and in the post-harvest;
- Increased production, greater dry matter;
- Greater strength of the plant, thanks to the high absorption and transmission of calcium;
- Balanced development of the plant, due to the biostimulating action of the carboxylic acids;
- Improvement of the effectiveness of combined products (fertilizers and/or pesticides), by acidifying the solution.

TYPE
Liquid

PACKAGING





COMPOSITION

Calcium (CaO) soluble in water	**12,5%**
pH	**1**

DENSITY
1,25 +/- 0,05 kg/dm^3

It also contains low molecular weight carboxylic acids. Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Stone fruits	2-3 l/ha	from fruit set, every 10-15 days
Pome fruits and Kiwi	2-2,5 l/ha	from after fruit set, every 15-20 days
Wine and table grape	2-3 l/ha	from fruit set, every 15-20 days
Olive tree	2 l/ha	after fruit set, olive swelling, 15 days dalla raccolta
Citrus trees	2-3 l/ha	from fruit set, every 10-15 days
Open field horticultural	2-3 l/ha	from small fruit formation, every stage interested
Horticultural in greenhouse	100-150 ml/hl	from small fruit formation, every stage interested
Cereals	2-3 l/ha	with weeds

Calcito

High efficiency rhizosphere corrector

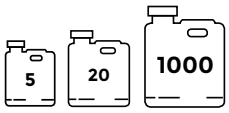
CALCITO is a rhizosphere corrector based on short-chain carboxylic acids containing calcium and magnesium. CALCIUM thanks to the long-acting organic acidification of the rhizosphere improves the absorption of Nutrients, in particular calcium, and improves the fertility (structure and pH) of saline, sodic and calcareous soils. CALCITO prevents and treats calcium deficiencies (apical rot, cracking, bitter pit, tip burn) and strengthens plant tissues.

Benefits

- More balanced and resistant plants (biotic and abiotic stress) thanks to an optimal calcium absorption;
- Better absorption of Nutrients, thank to the long-acting organic acidification of the rhizosphere;
- More capillary rooting and buffering of soil salinity;
- Prevents calcium deficiency diseases: bitter pit, blossom end rot, lettuce hemming;
- More fertile and productive soils as it favors the development of useful microorganisms.

TYPE
Liquid

PACKAGING





COMPOSITION

Calcium (CaO) soluble in water	**9%**
Magnesium (MgO) soluble in water	**1%**
pH	**1**

DENSITY
1,25 +/- 0,05 kg/dm^3

It also contains low molecular weight carboxylic acids.
Do not mix with products containing phosphorus. Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	DOSAGES FERTIGATION	PERIOD
Stone fruits	10-15 l/ha	preflowering, post fruit set, stone swelling
Pome fruits and kiwi	10-20 l/ha	flowering, after fruit set, fruit swelling
Wine and table grape	10-15 l/ha	vegetative development, fruit set, berry development
Citrus trees	10-15 l/ha	flowering, after fruit set,fruit swelling
Open field fruit vegetables	10-15 l/ha	after 10-15 days from the transplant, repeat every 20 days
Open field Leafy vegetables	10 l/ha	after 7-10 days from the transplant, repeat every 7-10 days
Horticultural in greenhouse	1-2 l/1000 m^2	after 7-10 days from the transplant, repeat every 7-10 days

CalcioMagno

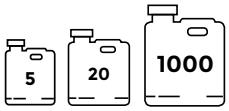
Calcium and magnesium in an acidic formulation for maximum effectiveness

CalcioMagno is a liquid acidic fertilizer (pH 2,6) with a high effectiveness, rich in calcium and magnesium added to organic acids with a carrier action.
CALCIOMAGNO is composed of pure raw materials and is rapidly absorbed and carried within the plant up to the leaves and fruits. Moreover, it provides organic acids that gradually and constantly acidify the rhizosphere improving the assimilation of Nutrients

Benefits
- Activation of photosynthesis thanks to the presence of magnesium carried and activated by organic acids;
- Improvement of fruit shelf-life thanks to the high withcentration of calcium activated by organic acids;
- Rhizosphere acidification;
- Ideal for horticultural and fruit crops: to tackle apical rot of tomatoes, bitter pit of apples, lettuce hemming and rachis desiccation in the vineyards, and to improve shelf-life and consistency of fruits.

TYPE
Liquid

PACKAGING





It also contains organic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) nitric	**8,6%**
Calcium (CaO) soluble in water	**10%**
Magnesium (MgO) soluble in water	**4%**
pH	**2,6**

DENSITY
1,41 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	20-30 l/ha	2-3 treatments for stone swelling	fertigation
Pome fruits (apple, pear) and kiwi	20-25 l/ha	2-3 treatments for fruit swelling	fertigation
Wine and table grapes	20-25 l/ha	2-3 treatments for berry swelling	fertigation
Citrus trees	20-30 l/ha	2-3 treatments for fruit swelling	fertigation
Fruit vegetables	20-30 l/ha	2-4 treatments for first stage fruitlets	fertigation
Fruit vegetables	15-20 l/ha	1-3 treatments from mid cycle	fertigation
Greenhouse horticulture	2-3 l/1000 m^2	1 treatment at fruitlet for each stage	fertigation
All crops	3-5 l/ha	post fruit set	foliar

Color MgZn

Greening agent with magnesium sulphur and zinc

Color MgZn is a greening action fertilizer containing magnesium and zinc. Color MgZn is rapidly absorbed, increases the photosynthetic activity and favors the relaxation of plant tissues. Color MgZn has an acidifying action both when used in foliar application and in fertigation. Color MgZn prevents damage due to magnesium deficiency.

Benefits

- Promotes balanced vegetative development;
- Effectively prevents the onset of rachis desiccation in the vine, phylloptosis on the apple tree, leaf dryness of vegetables;
- It improves the qualitative characteristics thanks to the presence of zinc and sulfur which favor the protein synthesis and aromas;
- It has a rapid effectiveness thanks to the formulation that makes the nutrients easily absorbed and translocated within the plant.

TYPE
Liquid

PACKAGING

5 20



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Magnesium (MgO) soluble in water	**5%**
Sulfur (SO_3) soluble in water	**10%**
Zinc (Zn) soluble in water	**1%**
pH	**5**

DENSITY
1,21 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees and kiwi	3-4 l/ha	all stages	foliar
Wine and table grape	4-5 l/ha	all stages	foliar
Olive tree	3-4 l/ha	all stages	foliar
Citrus trees	5-6 l/ha	all stages	foliar
Open field horticultural	2-3 l/ha	all stages	foliar
Horticultural in greenhouse	150-200 ml/hl	all stages	foliar
All crops	15-20 l/ha	all stages	fertigation

Febo Mix

Meso and microelements activated for photosynthesis

FEBO MIX is a concentrate of meso and microelements complexed with lignosulphonate. FEBO MIX, being rich in magnesium and iron, promotes chlorophyll photosynthesis and has a marked greening activity of the leaves. FEBO MIX activates the plant's metabolism and allows healthy and robust growth.

Benefits

- Complete and balanced mix for the early stages of plant development (magnesium and iron);
- High effectiveness and assimilability thanks to the presence of lignosulphonates (foliar and root);
- Environmentally friendly since the complexing agents are of vegetal origin with high stability;
- It improves the effectiveness of the combined products (fertilizers and/or pesticides), as, thanks to the lignosulphonates, it has a wetting, tackifying and carrier effect.

TYPE
WATER SOLUBLE POWDER

PACKAGING

1 5



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Magnesium (MgO) soluble in water	**10%**
Sulfur (SO_3) soluble in water	**25%**
Boron (B) soluble in water	**1,0%**
Iron (Fe) soluble in water, complexed with LSA	**4,0%**
Manganese (Mn) soluble in water, complexed with LSA	**1,4%**
Molybdenum (Mo)	**0,2%**
Zinc (Zn) soluble in water, complexed with LSA	**1,5%**
pH	**5,5**

DENSITY
1,00 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	2-3 kg/ha	2-3 applications at leaf emergence and in case of deficiencies	foliar
Pome fruits and kiwi	1-3 kg/ha	2-3 applications at leaf emergence and in case of deficiencies	foliar
Wine and table grape	1,5-2 kg/ha	2-3 applications at vegetative growth and in case of deficiencies	foliar
Olive tree	1-2 kg/ha	2-3 applications at vegetative growth and in case of deficiencies	foliar
Citrus trees	2-3 kg/ha	2-3 applications post-harvest and in case of deficiencies	foliar
Open field horticultural	1,5-2 kg/ha	2-3 applications post-transplant and in case of deficiencies	foliar
Horticultural in greenhouse	150-250 g/hl	2-3 applications post-transplant and in case of deficiencies	foliar
All crops	4-6 kg/ha	2-3 applications	fertigation

Febo Bio

Activated microelements for quality productions

FEBO BIO is a concentrate of trace elements complexed with lignosulphonate. FEBO BIO can be used throughout the production cycle: it promotes optimal plant development, improves nitrogen absorption, thanks to the presence of molybdenum, increases the size, quality and shelf life of the fruit. FEBO BIO is also recommended in post-harvest to restore Nutrient reserves.

Benefits

- Optimal and balanced development of the plant (iron, manganese and zinc);
- Better nitrogen absorption, thanks to the presence of molybdenum;
- Optimal fruit development, size, quality and shelf life;
- It improves the effectiveness of the combined products (fertilizers and/or pesticides), as, thanks to the lignosulphonates, it has a wetting, tackifying and carrier effect.

TYPE
WATER SOLUBLE POWDER

PACKAGING

1 5



Color and density are indicative. For hazard warnings see page 156..

COMPOSITION

Boron (B) soluble in water	**0,7%**
Iron (Fe) soluble in water, complexed with LSA	**4,0%**
Manganese (Mn) soluble in water, complexed with LSA	**3,5%**
Molybdenum (Mo)	**0,2%**
Zinc (Zn) soluble in water, complexed with LSA	**2,0%**
pH	**5**

DENSITY
1,00 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	2-2,5 kg/ha	2-3 applications throughout the cycle	foliar
Pome fruits and kiwi	2-2,5 kg/ha	2-3 applications throughout the cycle	foliar
Wine and table grape	1,5-2 kg/ha	2-3 applications throughout the cycle	foliar
Olive tree	1,5-2 kg/ha	2-3 applications throughout the cycle	foliar
Citrus trees	2-2,5 kg/ha	2-3 applications throughout the cycle	foliar
Open field horticultural	2-2,5 kg/ha	2-3 applications throughout the cycle	foliar
Horticultural in greenhouse	90-100 g/hl	3-4 applications throughout the cycle	foliar
All crops	4-5 kg/ha	3-4 applications throughout the cycle	fertigation

MagnetiCal

Foliar energizer based on calcium and magnesium

MagnetiCal is a liquid fertilizer rich in sugar which readily provides energy to the plant.
The sugar and the subacidic pH favour a rapid and complete assimilation of calcium and Magnesium. The use of MagnetiCal increases the vigourness of the plant (better photosynthesis and metabolic activity), by strengthening and increasing the consistency of fruits; in this way it is possible to obtain a product of much higher quality.

Benefits

- The plant is more active thanks to the significant presence of sugar and magnesium;
- The plant is more robust and fruits have a better shelf-life thanks to the presence of calcium;
- Organoleptic qualities are enhanced (flavour, consistency and colour);
- It improves the effectiveness of other products employed (both fertilizers and/or pesticides), since it has an adhesive and carrier capacity.

TYPE
Liquid

PACKAGING

1 5 20



COMPOSITION

Calcium (CaO) soluble in water	**12%**
Magnesium (MgO)	**4%**
pH	**5**

DENSITY
1,30 +/- 0,05 kg/dm^3

It also contains plant mono and polysaccharides. Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	3-4 l/ha	3-4 applications from fruit set every 15 days	foliar
Pome fruits (Apple tree, Pear tree) e kiwi	3-4 l/ha	3-4 applications from fruit set every 15 days	foliar
Wine and table grape	3-4 l/ha	3-4 applications from fruit set every 15 days	foliar
Citrus trees	3-4 l/ha	3-4 applications from fruit set every 15 days	foliar
Olive tree	3-4 l/ha	3-4 applications from fruit set every 15 days	foliar
Open field fruit vegetables	3-3,5 l/ha	3-4 applications from fruit set in every stage	foliar
Open field Leafy vegetables	3 l/ha	2-3 applications from 5-6 leaves every 8-10 days	foliar
Horticultural in greenhouse	250-300 ml/hl	3-4 applications from fruit set every 7 days	foliar
All crops	10 - 20 l/ha	2-3 applications	fertigation

Focus Ca

Systemic organocomplexed calcium

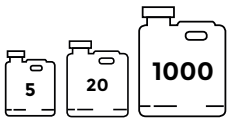
FOCUS Ca contains a high percentage of calcium totally complexed with ligninsulfonate; this makes the calcium completely assimilable, mobile inside the plant and not washable in the soil. The product is effective at low doses even at low temperatures and, thanks to its acidic pH, it can improve the absorption of Nutrients in the soil. FOCUS Ca is particularly suitable to combat the apical rot, bitter butteratura of pome fruits, tip burn of salads and helps to counteract the desiccation of the rachis in vineyards. FOCUS Ca directly affects the quality of the productions improving the shelf life both on the plant and in the post-harvest.

Benefits

- Stronger and more robust plants (thicker and more resistant plant tissues);
- Better fruit quality (colour, taste);
- Increased shelf life on the plant and in post-harvest;
- Reduced susceptibility to fruit cracking.

TYPE
Liquid

PACKAGING





COMPOSITION

Calcium (CaO) soluble in water	**15%**
Complexed with ammonium lignosulfonate	12%
pH	**1**

DENSITY
1,45 +/- 0,05 kg/dm³

Color and density are indicative. For hazard warnings see page 156..

DOSAGES AND USES

CROPS	DOSAGES RADICALI	DOSAGES FOGLIARI	PERIOD
Pome fruits	20-25 l/ha	3-4 l/ha	From fruit set every 15 days
Stone fruits	20-25 l/ha	3-4 l/ha	From fruit set every 10-12 days
Olive tree	20-25 l/ha	3-5 l/ha	From fruit set every 15-20 days
Wine and table grape	15-20 l/ha	3-4 l/ha	From fruit set every 15 days
Citrus trees	15-20 l/ha	3-4 l/ha	From fruit set every 15-20 days
Actinidia (kiwi)	20-25 l/ha	3-5 l/ha	From fruit set every 15 days
Walnut, Hazelnut, Chestnut	15-20 l/ha	3-4 l/ha	From fruit set every 15 days
Open field horticultural	15-20 l/ha	3-4 l/ha	From fruit set to first stage every 8-10 days
Horticultural in greenhouse	1-2 l/1000 m	200-250 ml/100 l of waters	From fruit set to first stage every 8-10 days
Open field Leafy vegetables	10-15 l/ha	2,5-3 l/ha	From post-transplant to 8-10 days after harvest
Potato, carrot, onion, garlic, leek	10-15 l/ha	3-4 l/ha	From tuber formation every 15 days

Oro-B

Complexed Boron for flowering and fruit set

ORO-B is a liquid fertilizer composed of Boron complexed with ethanolamine (an organic molecule that stabilizes and facilitates absorption). This formulation ensures rapid and uniform delivery of Boron within plant tissues. Boron is an essential microelement, particularly important in the flowering and fruit set stages and contributes to cell wall formation and tissue lignification. Furthermore, Boron actively intervenes in several biochemical processes including nucleic acid synthesis and carbohydrate metabolism.

Benefits

Stimulates and evens out flowering:

- Improves and promotes fruit set
- Improves sugar content and fruit quality (translocation of sugars and calcium)
- Makes the stems and petioles more robust and resistant to mechanical (wind) and environmental stresses.

TYPE
Liquid

PACKAGING

1 5 20

TRANSPARENT



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Boron (B), ethanolamine, water soluble	**11%**
pH	**8**

DENSITY
1,37 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	1-2 l/ha	pre-flowering / Post-harvest	Foliar
Pome fruits	1-2 l/ha	pre-flowering / Post-harvest	Foliar
Wine and table grape	1-2 l/ha	pre-flowering / Post-harvest	Foliar
Citrus trees	1-2 l/ha	pre-flowering / Post-harvest	Foliar
Nut, Hazelnut	1-2 l/ha	pre-flowering / Post-harvest	Foliar
Olive tree	1-2 l/ha	Pre-flowering, flowering, end of flowering, post-harvest	Foliar
Open field fruit vegetables	1-2 l/ha	Flowering	Foliar
Horticultural in greenhouse	1-2 l/ha	Flowering	Foliar
Extensive crops	1-2 l/ha	Pre-flowering	Foliar
All crops	4-5 l/ha	pre-flowering 2-3 interventions depending on the severity of the deficiency	fertigation, only in case of severe Boron deficiency in the soil

BiZzar

Nutritional synergy for firmer skin

BIZZAR is a liquid formulation that meets the most demanding nutritional requirements of crops, combining boron and zinc in a synergistic combination with extremely high bioavailability.
BIZZAR accelerates key biochemical processes, ensuring consistent flowering, more uniform fruit set and vigorous vegetative growth. Boron and zinc are chelated by plant-derived biological molecules which act as efficient carriers to ensure maximum penetration, faster cuticular absorption (thanks to the affinity of the chelating matrices) and maximum selectivity and safety (no phytotoxicity issues even during periods of extreme thermal or water stress).

Benefits

- Boosting the plant's metabolism: zinc stimulates auxin synthesis and cell elongation; boron catalyses auxin transport and optimises pollen fertility;
- Restoring the plant's nutrient reserves after harvest;
- Flowers that are hardier and more resistant to environmental stress;
- More compact and resilient plant tissues.



TYPE
Liquid

PACKAGING

1 5

COMPOSITION

Boron (B), ethanolamine, water soluble	**2%**
Zinc (Zn) water soluble	**7%**
pH	**5,5**

DENSITY
1,33 +/- 0,05 kg/dm^3

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	ROOT DOSAGES	PERIOD
Stone fruits	2-3 l/ha	4-5 l/ha	Pre-flowering, post-flowering, post-harvest
Pome fruits	2-3 l/ha	4-5 l/ha	Pre-flowering, post-flowering, post-harvest
Wine and table grape	2-3 l/ha	4-5 l/ha	Pre-flowering, post-flowering, post-harvest
Citrus trees	2-3 l/ha	4-5 l/ha	Pre-flowering, post-flowering, post-harvest
Actinidia	2-3 l/ha	4-5 l/ha	Pre-flowering, post-flowering, post-harvest
Nut, Hazelnut	2-3 l/ha	4-5 l/ha	Pre-flowering, post-flowering, post-harvest
Olive tree	2-3 l/ha	4-5 l/ha	Pre-flowering, post-flowering, post-harvest
Open field fruit vegetables	2-3 l/ha	4-5 l/ha	Pre-flowering, fruit set – affected clusters
Horticultural in greenhouse	2-3 l/ha	4-5 l/ha	Pre-flowering, fruit set – affected clusters
Leafy vegetables	2-3 l/ha	4-5 l/ha	Pre-flowering, fruit set – affected clusters
Potato, carrot, onion, garlic, leek	2-3 l/ha	4-5 l/ha	Pre-flowering, fruit set – affected clusters
All crops	4-5 l/ha		From pre-flowering 2-3 applications



FUTURA
BIOSTIMULATING ACTION BY NATURE

Family of liquid and powder products containing active organic substances which stimulate the physiological process of the plant, promoting growth and productivity.

The Futura family includes products based on amino acids, algae extracts, and humic acids, whose function is to stimulate the natural processes of plants to increase nutrient absorption, tolerance to abiotic stress, and crop quality.

StimUp

Growth bioactivator

ACIDI UMICI

StimUp is a specific action product with an activating action. StimUp stimulates vegetative and root development, blossoming and fruit set thanks the hormone-like activity. StimUp is effective at low doses as it contains short-chain humic and fulvic acids obtained by distillation that are more active and easily absorbed by the plant.

Benefits

- Stimulates vegetative and root development thanks to hormone-like activity;
- Increases flowering and fruit setting thanks to the biostimulant action;
- High effectiveness at low dosages as it contains short-chain humic and fulvic acids obtained by distillation that are more easily absorbed by the plant;
- Versatility, it can be combined with all the main liquid products on the market (fertilizers and pesticides).

TYPE
Liquid

PACKAGING

0,1 0,5



Color and density are indicative

COMPOSITION

Organic matter on fresh weight	**2,2%**
Organic matter on dry weight	**61%**
Percentage of humified substance on organic matter	**97%**
Organic nitrogen on dry weight	**0,5%**
C/N Ratio	**53%**
pH	**6,5**

DENSITY
1,01 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees	120-200 ml/ha	at the beginning of blossoming. if necessary, a sewithd application in full bloom
Citrus trees	150-200 ml/ha	at the beginning of blossoming. if necessary, a sewithd application in full bloom
Wine and table grape	120-170 ml/ha	at the beginning of blossoming. if necessary, a sewithd application in full bloom
Olive tree	150 ml/ha	end of blossoming
Tomato	200-250 ml/ha	stress conditions
Open field horticultural and in greenhouse	20-25 ml/hl	stress conditions
Potato	100 ml/ha	foliar development
Seed treatment	5 ml/kg	before the seeding
All crops	100 ml/hl	roots bath

Verv Plus

Biopromoter of vegetative development

Verv Plus is a bio-promoter of vegetative development containing over 45% of total amino acids in mainly levorotatory form. Verv Plus activates the plant's metabolism thanks to the presence of organic nitrogen of amino acid origin and a balanced mix of microelements. Verv Plus improves productivity by stimulating vegetative development, flowering and fruit set.

Benefits

- Improves productivity by stimulating vegetative development, flowering and fruit set;
- It has a biostimulating action thanks to the presence of free amino acids and oligopeptides;
- It activates the metabolism of the plant thanks to the mix of microelements, preventing the onset of deficiencies;
- It increases the effectiveness of the products distributed together, thanks to the co-formulating action of the amino acid matrix.

TYPE
Liquid

PACKAGING





Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) organic	**7%**
Carbon (C) organic	**22%**
Boron (B) soluble in water	**0,5%**
Iron (Fe) soluble in water	**1%**
Zinc (Zn) soluble in water	**0,5%**
pH	**7,5**

DENSITY
1,25 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees	1,5-2,5 l/ha	2-3 applications every 10-20 days from vegetative growth
Wine and table grape	1,5-2,5 l/ha	2-3 applications every 10-20 days from vegetative growth
Horticultural	1-2 l/ha	3-4 applications starting 10-15 days
Extensive crops	1,5-2,5 l/ha	after transplanting

Verv N9

Promoter of radical activity

VERV N9 is an organic nitrogen fertilizer with a very high content of amino acids, oligopeptides and peptides, greater than 50%, obtained from enzymatic hydrolysis (low salinity). VERV N9 has a phytostimulant action and a very high Nutritional efficiency, promoting the development and activity of both roots and the foliar apparatus. VERV N9 improves soil fertility conditions and stimulates the growth of microorganisms and their activity.

Benefits

- Stimulating effect thanks to the high content of amino acids, oligopeptides and peptides > 50%;
- Promotes the development of the plant in particular of the roots;
- It increases the efficiency of the fertilizers used in combination;
- More constant release and limited risk of leaching;
- It increases the biological fertility of the soil thanks to the quality of the organic matrix (low salinity);
- Versatility since it can be used both in fertigation and foliar application in association with other products for Nutrition and defence.

TYPE
Liquid

PACKAGING

5 20 1000



Color and density are indicative

COMPOSITION

Nitrogen (N) organic	**9%**
Carbon (C) organic	**24,5%**

ALSO CONTAINS:

total amino acids	50%
of which Glycine	13%
of which Proline	7,5%
of which Hydroxyproline	6%
of which Glutamic Acid	5%
of which Arginine	5%
pH	**5,5**

DENSITY
1,25 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	10-20 l/ha	vegetative growth, in pre-flowering, post fruit set, fruit development	fertigation
Open field horticultural	10-30 l/ha	Post-transplant post fruit set, fruit development	fertigation
Horticultural in greenhouse	2-4 l/1000m^2	3-4 applications after transplant every 10-15 days	fertigation
Cereals	3-4,5 l/ha	Tillering, flag leaf	foliar
All crops	2,5-5 l/ha	vegetative development	foliar

Glycos Plus

Promoter of coloring and brix degree

Glycos plus is a specific product to promote and uniform the color and brix degree of fruits. Glycos plus has a formulation based on amino acids and potassium designed to induce fruit ripening while maintaining its shelf life. Glycos plus also contains boron which promotes the absorption of potassium and amplifies its effectiveness.

Benefits

- Promotes and uniforms fruit color, increases quality and optimizes harvesting;
- It increases the brix degree of the fruit (sugar content) improving its shelf life;
- Maintains shelf life as it does not overripen the fruit;
- Easy to use, it can be applied mixed with all the main foliar products

TYPE
Liquid

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) total	**5%**
of which organic	3%
of which ureic	2%
Potassium (K_2O) soluble in water	**9%**
Sulfur (SO_3) soluble in water	**14%**
Carbon (C) organic	**8%**
Boron (B) soluble in water	**0,25%**
pH	**8**

DENSITY
1,25 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees (peach, apricot, apple tree, pomegranate, persimmon, kiwi)	2 l/ha	45, 30 and 15 days before the harvest
Wine and table grape	2 l/ha	40% berry development, beginning of veraison, after 10 days
Strawberry	2 l/ha	blossoming, green fruit and veraison from white to red

Umina

Root development, 19% humic extracts

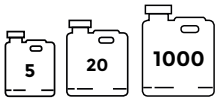
UMINA is a liquid concentrate of humic extracts that combines two complementary fractions in equal parts: humic acids and fulvic acids. Humic acids work on soil structure and fertility: they enhance cation exchange capacity, retain nutrients, and promote the development of a more extensive and deeper root system. Thanks to their low molecular weight, fulvic acids are rapidly absorbed by plants, transporting microelements into plant tissues. This combined action makes UMINA effective for both fertigation and foliar application.
In the soil, it stimulates microbial activity, improves the availability of phosphorus and microelements, and reduces nutrient losses due to leaching and immobilization. On plants, it facilitates post-transplant recovery as well as after biotic or abiotic stress. Total humic extracts: 19% (comprising 9.5% humic acids and 9.5% fulvic acids).

Benefits

- More developed roots and better recovery after transplanting;
- improved absorption of phosphorus, iron, and microelements;
- More fertile soil: increases cation exchange capacity and supports microbial activity;
- Greater tolerance to adverse environmental stresses (cold, heat, drought, and salinity);
- Dual action—root and foliar: fulvic acids ensure rapid absorption, while humic acids provide a long-lasting effect.

TYPE
Liquid

PACKAGING





COMPOSITION

Organic matter on dry weight	**13%**
Organic matter on dry matter	**72%**
Organic matter humified on % of the ORGANIC matter	**85%**
Organic nitrogen on dry weight	**0,9%**
C/N ratio	**40%**

Color and density are indicative. For hazard warnings see page 156.

DENSITY
1,1 kg/dm³

DOSAGES AND USES

CROPS	FERTIGATION	PERIOD
Stone fruits	10-15 l/ha	From vegetative growth each 15-20 days
Pome fruits	10-15 l/ha	From vegetative growth each 15-20 days
Kiwi	10-15 l/ha	From vegetative growth each 15-20 days
Olive trees	10-15 l/ha	with mineral fertilizers
Table and grape wine	10-15 l/ha	From vegetative growth each 15-20 days
Horticultural in greenhouse	1-1,5 litri/1000 metri	Post-transplant each 10-15 days
Open field horticultural	10-15 l/ha	Post-transplant each 10-15 days
All crops	FOLIAR DOSAGE: 150-250 ml/100 liters of water	

Cerere

Thermoprotector and osmoregulator

ACIDI UMICI

Cerere acts as a thermoprotector and osmoregulator, it is composed of polyols and humic extracts of natural origin. Cerere is indicated to limit damage from abiotic stress, in particular cold, heat, excessive salinity, root asphyxia and hail (after the event occurs, it helps the plant to recover faster).

Benefits

- Increases resistance and reduces recovery time in the event of damage from cold, heat, excessive salinity, root asphyxiation and hail;
- It safeguards quantity and quality even in case of too low or too high temperatures, excesses of light and salinity stress;
- Limits damage from cracking and burning;
- Saving of water, possibility of lengthening the irrigation intervals as it increases the resistance of the crop to water stress;
- Effective on all crops;
- Easy to use, it can be applied mixed with all the main products.

TYPE
Liquid

PACKAGING



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

47% of medium and long polymer chain polyols	**47%**
pH	**6,5**

DENSITY
1,10 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees	1,5-2,5 l/ha	1 application 24-48 hours before the stressful event, then every 7-10 days
Wine and table grape	1,5-2,5 l/ha	1 application 24-48 hours before the stressful event, then every 7-10 days
Open field horticultural and in greenhouse	1-2,5 l/ha	1 application 24-48 hours before the stressful event, then every 7-10 days

B-Power

Bioactivator for flowering and fruit set

B-POWER is a bioactivator that thanks to the particular formulation based on natural components of plant origin performs a double action: it activates the plant metabolism and has anti-stress effect. B-POWER contains Boron complexed with humic and fulvic acids, thus being totally assimilable and withveyed inside the plant. B-POWER stimulates radical development, increasing Nutrient absorption and promoting flowering and fruit sets.

Benefits

- Activates the plant, promoting flowering and fruit sets;
- Stimulates radical development;
- Increases Nutrient absorption;
- It performs anti-stress action.

TYPE
Liquid

PACKAGING





Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Boron (B) soluble in water	**2%**
humic and fulvic acids estract with water	**14%**
pH	**7,5**

DENSITY
1,10 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	3-4 l/ha	opening of the buds fiorali, flowering, post fruit set, in the process of swelling the fruit	foliar
Pome fruits and kiwi	2-3 l/ha	pre-flowering, flowering, post fruit set, in the process of swelling the fruit	foliar
Grapewine and table grape	3 l/ha	pre-flowering, flowering, grano di pepe, in the process of berry enlargement	foliar
Olive tree	4 l/ha	pre-flowering, flowering, cluster flowers, olive swelling phase	foliar
Citrus trees	2-2,5 l/ha	pre-flowering, flowering, post fruit set, in the process of swelling the fruit	foliar
Open field horticultural	2-2,5 l/ha	before and after la flowering, in the process of fruit swelling	foliar
Horticultural in greenhouse	300-500 ml/ 1000 m^2	before and after la flowering, in the process of fruit swelling	foliar
Hazelnut tree	3-4 l/ha	start of leaf fall	foliar
Extensive crops	3-6 l/ha	with pesticides	foliar
All crops	4-6 l/ha	before and after la flowering, in the process of fruit swelling	FERTIGATION

K-Fast

Potassium activated for ripening

K-FAST contains a high content of activated potassium. K-FAST thanks to the synergistic action of sulfur and humic and fulvic acids, acidifies the rhizosphere allowing complete absorption of potassium which is rapidly translocated in the fruit. K-FAST also performs an anti-stress action supporting the plant in the delicate phase of fruit ripening, allowing to harvest quality fruit with a higher dry matter content, limiting the risk of over-ripening.

Benefits

- Stimulates ripening, uniforms and increases color and brix degree thanks to the high content of soluble and rapidly absorbable potassium;
- High efficiency since the potassium complexed by the organic matrix limits the risk of leaching;
- It has a bio-stimulating and stress-protective action thanks to the presence of humic and fulvic acids;
- Increases Nutrition efficiency thanks to a better root development and an acidic pH.

TYPE
Liquid

PACKAGING

5 20



Color and density are indicative

COMPOSITION

Potassium (K_2O) soluble in water	**24%**
Sulfur (SO_3) soluble in water	**40%**
Contains humic acids	
pH	**8,5**

DENSITY
1,45 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits and pome fruits	10-30 l/ha	3-4 applications from ripening	fertigation
Wine and table grape, Hazelnut	10-20 l/ha	3-4 applications from veraison	fertigation
Open field horticultural	10-20 l/ha	3-4 applications from ripening	fertigation
Horticultural in greenhouse	1-3 l/1000m^2	Every 5-7 days from the start of ripening	fertigation
All crops	3-5 l/ha	3-4 applications from ripening	foliar

Edafos

Betainphosphate from roots to fruit

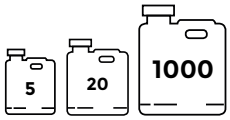
EDAFOS contains a high title of phosphorus complexed with betaines. EDAFOS has a starter action, promotes rooting, stimulates blossoming and strengthens the plant. The combined action of phosphorus and betaines makes the plant less susceptible to stressful conditions. EDAFOS thanks to the very acidic pH creates an optimal environment for the absorption of nutrients. If used on stone fruits after fruit setting, it stimulates the growth and the hardening of the stone. On the vine, in post-fruit set, it stimulates the elongation of the bunch.

Benefits

- Better root development, increase and synchronization of blossoming, better fruit set thanks to the high content of soluble and rapidly absorbable phosphorus;
- High efficiency as the phosphorus complexed by the organic matrix is not retrograded and leaching is limited;
- Biostimulating action and protection from stress thanks to the presence of betaines;
- Better nutrition efficiency thanks to better root development and acidic pH.

TYPE
Liquid

PACKAGING





Color and density are indicative

COMPOSITION

Phosphorus (P_2O_5) soluble in water	**40%**
With betaine	
pH	**1**

DENSITY
1,42 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees	10-25 l/ha	alla vegetative growth, in pre-flowering, post fruit set, fruit swelling
Open field horticultural	10-30 l/ha	post-transplant, pre-flowering, fruit set
Horticultural in greenhouse	2-3 l/1000m^2	3-4 3-4 applications after the transplant each 10-15 days

Be-Start 5.15

High efficiency liquid starter with betaines

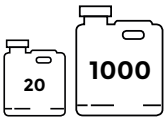
BE START 5.15 is a ready-to-assimilate liquid starter. BE START 5.15 is characterized by a balanced content of nitrogen and phosphorus. The phosphorus being bound to the betaines, is conveyed more efficiently and is not leached reducing the risk of retrogradation. BE START 5.15 stimulates rooting, strengthens the plant, promotes flowering and fruit setting and, if applied during fruit development, it promotes enlargement and hardening of the stone; in the vineyards, it favors the lengthening of the bunch and strengthens the petiole.

Benefits

- High performance liquid starter, readily assimilable nitrogen and phosphorus since they are totally soluble;
- High efficiency since nitrogen and phosphorus complexed by the organic matrix are not retrogradable and not leachable;
- Biostimulating action and protection from stress thanks to the presence of betaines;
- Versatility, as it can be applied both by foliar and root application.

TYPE
Liquid

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) toale	**5%**
of which ammoniacal	3%
of which ureic	2%
Phosphorus (P_2O_5) soluble in water	**15%**
With betaine	
pH	**4**

DENSITY
1,15 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD	MODE
Fruit trees	10-20 l/ha	at vegetative growth, pre-blossoming, post fruit set, fruit swelling	fertigation
Open field horticultural	10-15 l/ha	post-transplant, post fruit set, fruit swelling	fertigation
Horticultural in greenhouse	2-3 l/1000m^2	3-4 applications from 10-15 days after transplant	fertigation
Cereals	3-5 l/ha	post-emergency, tillering	foliar
All crops	3-6 l/ha	2-4 applications according to the needs of the crop	foliar

Iride

Energy promptly available

IRIDE contains organic phosphorus in the form of vegetal origin, with a stimulating action. IRIDE, providing phosphorus readily assimilable by the plant and humic and fulvic acids (24%), facilitates rooting and vegetative development. Being rich in carbohydrates, IRIDE gives energy to both the plant and the soil, promoting the development of useful microorganisms and increasing fertility.

Benefits

- Energy booster stimulates root development, flowering and vegetative development;
- Biostimulating action thanks to the combined action of a high content of humic and fulvic acids 23% and betaines;
- Rapid effectiveness since nitrogen, phosphorus and potassium, being of organic origin, are totally soluble and readily assimilable;
- High efficiency since nutrients in organic form are difficult to retrograde and leach

TYPE
Liquid

PACKAGING

5 20



Contains humic and fulvic acids. Color and density are indicative

COMPOSITION

Nitrogen (N) organic	**3%**
Phosphorus (P_2O_5) total	**4%**
Potassium (K_2O) soluble in water	**4%**
Carbon (C) organic	**14,5%**
pH	**4,5**

DENSITY
1,20 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	10-20 l/ha	vegetative growth, pre-blossoming, after fruit set, fruit swelling	fertigation
Open field horticultural	10-30 l/ha	after transplant, after fruit set, fruit swelling	fertigation
Horticultural in greenhouse	2-4 l/1000m^2	3-4 applications after transplant each 10-15 days	fertigation
Cereals	3-5 l/ha	tillering, flag leaf	foliar
All crops	3-6 l/ha	2-4 applications according to the needs of the crop	foliar

Giove Bio N8

100% vegetal physioactivator

GIOVE BIO N8 is a 100% vegetal concentrated physioactivator rich in vegetal amino acids (about 98%), obtained by enzymatic hydrolysis. GIOVE BIO N8 thanks to the high content of organic nitrogen, readily assimilable, promotes a balanced vegetative development. GIOVE BIO N8 is rich in glycine, an amino acid with a carrier action, which improves the effectiveness of the products associated with it, and proline, an amino acid with an anti-stress action, which promotes growth and productivity even in the event of unfavorable climatic conditions.

Benefits

- It has a biostimulating action thanks to the high presence of peptides, oligopeptides and free amino acids, all of vegetal origin;
- It activates the metabolism of the plant thanks to the high content of totally soluble organic nitrogen;
- It's environmentally friendly and innovative as it comes from the enzymatic hydrolysis of plant tissues;
- It increases the effectiveness of the products distributed together thanks to the co-formulating action of the amino acid matrix.

TYPE
Liquid

PACKAGING

1 5 20



Color and density are indicative

COMPOSITION

Nitrogen (N) organic	**8%**
Carbon (C) organic	**25%**
pH	**6,5**

ALSO CONTAINS:

total amino acids	50%

DENSITY
1,20 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	2-4 l/ha	2-3 applications from vegetative development	foliar
Wine and table grape	2-4 l/ha	2-3 applications from vegetative development	foliar
Olive tree	2-4 l/ha	vegetative growth, fruit swelling	foliar
Open field horticultural	2-3 l/ha	every 7 -10 days from transplant	foliar
Horticultural in greenhouse	250-300 ml/hl	every 5-7 days from transplant	foliar
Cereals	2-3 l/ha	booting, flag leaf	foliar
Fruit trees	10-15 l/ha	from vegetative growth	fertigation
Open field horticultural	8-10 l/ha	from post-transplant	fertigation
Horticultural in greenhouse	0,5-1 l/1000 m^2	from post-transplant	fertigation

NaturBlack

Highly concentrated activator of humic acid extracts

NATURBLACK is a concentrate of humic extracts (28% of which 22% humic and 6% fulvic) with an activating action on the plant. NATURBLACK applied on the leaves has an auxin-like physioactivating action that is particularly strong in situations of high stress for the plant (weeding, sudden changes in temperature, pruning, hail, etc). NATURBLACK used in fertigation stimulates rooting, counteracts post-transplant stress of seedlings, promotes the absorption of nutrients blocked in the soil, improves soil structure and it is an ideal substrate for the proliferation of useful soil microorganisms. NATURBLACK, having an acidic pH, is optimal both in combination with pesticides and other fertilizers.

Benefits

- Stimulates the growth and development of the plant by activating its metabolism;
- It has an anti-stress effect for the plant (transplant, weeding, sudden changes in temperature, pruning, hail, frost);
- Promotes rooting and facilitates the absorption of nutrients present in the soil;
- Improves the physical fertility of the soil (structure) and the biological fertility by promoting the development of useful microorganisms in the soil;
- Improves the effectiveness of the products combined with it (fertilizers, pesticides) thanks to the acidic pH.

TYPE
Liquid

PACKAGING





Extracting medium water. Color and density are indicative

COMPOSITION

Organic carbon on dry weight	**30%**
Organic Carbon extractable on total organic Carbon	**60%**
Organic humified Carbon on extractable organic Carbon	**60%**
Organic nitrogen on dry matter	**0,5%**
Organic matter on dry matter	**90%**
Organic matter extractable on % of the organic matter	**60%**
Organic matter humified on % of the extractable matter	**60%**
pH	**3**

DENSITY
1,10 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
All Ccrops	1-2 l/ha	pre-transplant	bagnetto
Fruit trees	1-2 l/ha	from vegetative growth	foliar
Wine and table grape	1-1,5 l/ha	every 12-15 days	foliar
Olive tree	1-2 l/ha	from vegetative growth	foliar
Open field horticultural	1-1,5 l/ha	every 12-15 days	foliar
Horticultural in greenhouse	100-150 ml/hl	from vegetative growth	foliar
Cereals	1-2 l/ha	every 12-15 days	foliar
All crops	3-5 l/ha	from transplant every 8-10 days	fertigation

Giove Bio Gold

100% vegetable amino acids

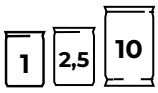
GIOVE BIO GOLD has a very high concentration of vegetal amino acids (98%) in medium-short chains with a phytostimulant, anti-stress and nutritional action. GIOVE BIO GOLD is effective at low doses thanks to the highly soluble powder formulation. GIOVE BIO GOLD is rapidly absorbed and activates the plant's metabolism allowing for optimal development and rapid recovery of stressed and/or blocked plants.

Benefits

- High effectiveness at low dosages thanks to the very high concentration;
- Biostimulating action thanks to the high presence of peptides, oligopeptides and free amino acids, all of vegetal origin;
- Activation of plant metabolism thanks to the high content of totally soluble organic nitrogen;
- Environmentally friendly and innovative as it comes from the enzymatic hydrolysis of plant tissues;
- Easy to use thanks to the high solubility;
- Increased effectiveness of the products distributed together thanks to the co-formulating action of the amino acid matrix.

TYPE
Water-soluble powder

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) organic	**16%**
Carbon (C) organic	**50%**
pH	**6,5**
ALSO CONTAINS:	
Total amino acids	98%
of which Glicina	25,5%
of which Prolina	14%

DENSITY
0,60 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	1-2 kg/ha	vegetative growth, before blossoming, after fruit set, fruit development	foliar
Wine and table grape	1-2k g/ha	pre-blossoming, blossoming, berries groat-sized, bunches begin to hang, berries swelling	foliar
Olive tree	1-2 kg/ha	pre-blossoming, blossoming, cluster flowers, drupe swelling	foliar
Hazelnut	2 kg/ha	from fruit set	foliar
Open field horticultural (Potato, Tomato, artichoke...)	1-3 kg/ha	post-transplant/ post emergence, vegetative developent, post fruit set, fruit development	foliar
Horticultural in greenhouse	300-500 g/1000m^2	3-4applications 10-15 days after transplant	foliar
Cereals	1-2 kg/ha	tillering, leaf flag	foliar
Potato	1 kg/ha	10-15 days after emergence until tuberification	foliar
All crops	5-6 kg/ha	2-4 applications	fertigation

SuprEmo

Plant and soil physioactivator

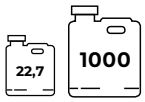
SUPREMO is a product containing pure hemoglobin deriving from treated and concentrated animal blood. The low-temperature processing allows to preserve all functional properties of hemoglobin by ensuring an optimal effectiveness on the field. SUPREMO is rich in essential amino acids and in a significant quantity of tryptophan, an amino acid precursor of auxins, stimulating the plant development.
SUPREMO is particularly rich in organic iron, which is very active biologically and its constant use allows to maintain plants green and active.
SUPREMO can be used in any types of soil (alkaline, saline, sodic, etc.). It stimulates the activity of useful microorganisms already present in the soil or inoculated in it, which help release the nutrients. SUPREMO may be employed with low temperatures and is specifically suitable for stimulating plants “blocked” in their development.

Benefits

- Rapid development of plants thanks to the prompt action, even at low temperatures;
- Increases fruit quality improving color and swelling;
- Increases the microbiological fertility of the soil releasing nutrients;
- Versatile use, suitable both in foliar applications and fertigation.

TYPE
Liquid

PACKAGING





Preservative used: trisodium citrate.. Color and density are indicative

COMPOSITION

Nitrogen (N) organic	**5%**
Carbon (C) organic	**18%**
Iron (Fe) organic	**800 mg/kg**
pH	**5,5**

DENSITY
1,10+/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	20-40 l/ha	from vegetative growth	fertigation
Pome fruits	20-40 l/ha	from vegetative growth	fertigation
Kiwi	20-40 l/ha	from vegetative growth	fertigation
Olive tree	20-40 l/ha	from vegetative growth	fertigation
Wine and table grape	20-40 l/ha	from vegetative growth	fertigation
Horticultural in greenhouse	2-3 l/1000 metri	from post-transplant	fertigation
Open field horticultural	20-30 l/ha	from post-transplant	fertigation
Cereals	5 l/ha	with weeding	foliar
All crops	3-5 l/ha	everytime	foliar

Crisco

Initiator of cell division

CRISCO is a concentrate of Canadian Ascophyllum Nodosum algae (25%), rich in biologically active substances that promote cell division.Thanks to its composition, it activates photosynthesis increasing the content of chlorophyll in the leaves.
Cell division has a direct effect on the fruit, since it contributes to a greater size, and an indirect effect because it contributes to swelling and rachis elongation with a consequent easier penetration of nutrients.
Moreover, algae extracts have a biostimulant effect on the plant. Increasing metabolism and their capacity of facing more effectively potential stress conditions.

Benefits

- Increases yields thanks to a major size;
- Stimulates plant activity even in unfavourable conditions;
- Safeguards the health of perennial plants thanks to the natural hormone-like action.

TYPE
Liquid

PACKAGING



it contains *Ascophyllum Nodosum* Canadese algae (25%). Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Carbon (C) organic	**12%**
Mannitol	**7,5 g/L**
pH	**7**

DENSITY
1,20 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Apple tree e Pear tree	1 l/ha	increasing fruit size: post-fruit setting, after physiological drop
Citrus trees, Olive tree, Stone fruits	1 l/ha	increasing fruit size: post-fruit setting, fruit development
Wine and table grape	1 l/ha	bunch elongation: post-fruit setting, grape swelling: from buckshot berry
Strawberry	100 ml/100 L of water	peduncle size and thickening: post-fruit setting
Fruit vegetables	100 ml/100 L of water	rachis/peduncle size and thickening: post-fruit setting
Leafy vegetables	100 ml/100 L of water	stay green of leaves throughout the entire crop cycle
Apple tree and watermelon	100 ml/100 L of water	Rachis/peduncle size and thickening: post-fruit setting
All crops	100-150 ml/100 L of water	recovery anti-stresses

VigorGreen

Plant metabolism promoter

VIGORGREEN is a cold-extracted concentrate of Canadian origin Ascohpyllum Nodosum seaweed. This extraction allows to preserve the biologically active compounds (Polysaccharides, fucoidans, cytokines, auxins, gibberellins, betaines, alginates, mannitol, alginic acid etc) and ensures a more effective action on plants. The associated microelements (chelated iron DTPA, complexed boron and molybdenum) stimulate the metabolism of the plant by improving flowering, fruit set and uniformity of production. The present free amino acids with auxin action also stimulate fruit growth and production both qualitatively and quantitatively. Its use in the early stages (post-transplantation for horticultural plants, vegetative recovery for fruit trees) improves the state of health of the plants and balances their growth.

Benefits

- Promotes more balanced vegetative plant development
- Inverting action due to increased photosynthetic activity
- Improved Nutrient absorption;
- Increased blooming and greater fruit set
- Allows you to obtain fruits of greater size and better quality

TYPE
Liquid

PACKAGING

1 5



Contains extracts of *Ascophyllum nodosum* algae.
Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Carbon (C) organic	**6%**
Iron (Fe) chelated with DTPA	**0,3%**
Boron (B) complexed with etalonamine	**0,5%**
Molybdenum (Mo) soluble in water	**0,04%**
Mannitol	**7 g/L**

ALSO CONTAINS:

Free amino acids	5 g/kg
Polysaccharides	15%
Magnesium (MgO) soluble in water	2%
Alginic acid	15 g/kg
Fucoidans	15 g/kg
PH	**7,4**

DENSITY
1,23 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Pome fruits	1-1,5 l/ha	From pre-flowering every 15 days
Stone fruits	1-2 l/ha	From pre-flowering every 15 days
Oil and table Olive	1-2 l/ha	From vegetative recovery onwards
Wine and table grapes	1-1,5 l/ha	From vegetative recovery onwards
Citrus fruits	1-1,5 l/ha	During the whole cycle
Kiwi	1-2 l/ha	From pre-flowering every 15 days
Walnut, hazel, Chestnut	1-1,5 l/ha	From vegetative recovery onwards
Open field horticultural	1-2 l/ha	From post-transplant every 10-12 days
Horticultural in greenhouse	150-200 ml/100 liters	From post-transplant every 10-12 days
Leafy vegetables	1-1,5 l/ha	From post-transplant up to 10 days after harvest
Potato, carrot, onion, garlic, leek	1-1,5 l/ha	From post-emergency every 15 days

EDAFIX

THE NEW **MICROBIAL BIOSTIMULANT**

The product does not contain genetically modified organisms and pathogenic organisms.

UE BIOSTIMULANT



Product registered as a Microbial Biostimulant for plants pursuant to Regulation (EU) No. 2019/1009

Edafix

Microbial biostimulant for plants

EDAFIX contains beneficial bacteria and fungi that improve the efficiency of crop nutrient use, particularly nitrogen, phosphorus, and potassium.
Mycorrhizal fungi increase the surface area explored by the roots of the plants with which they associate, thereby improving water and nutrient uptake.
Azotobacter spp. fix atmospheric nitrogen into forms that plants can use, synthesize growth-promoting substances, and stimulate root development.
Azospirillum spp. establish beneficial associations with plant roots, fix atmospheric nitrogen, and promote the synthesis of substances involved in plant metabolism.

Benefits

- Improves nitrogen, phosphorus, and potassium use efficiency.
- Enhances crop performance and quality traits, including plant vigor, greenness (SPAD/NDVI), yield, protein and oil content, and seed weight.

TYPE
Water-soluble powder

PACKAGING

1



COMPOSITION

Mycorrhizae	**>10%**
Rhizosphere bacteria (CFU/g)	**$5x10^7$**
of which *Azotospirillum spp.* of which *Azotobacter spp.*	$2,5x10^7$ $2,5x10^7$
pH	**6**

DENSITY
0,6 +/- 0,05 kg/dm^3

Product registered as a microbial plant biostimulant in accordance with Regulation (EU) No 2019/1009. The product does not contain genetically modified organisms or pathogenic organisms. Colour and density are for guidance only.

DOSAGES AND USES

CROPS	DOSAGES	MODE	NUMBER OF APPLICATIONS	PERIOD
Cereals	0,40-0,50 kg/ha	Foliar	1-2 applications	Initial stages of vegetative development.
Legumes	0,40-0,50 kg/ha	Foliar	1-2 applications	Initial stages of vegetative development.
Oleaginous	0,40-0,50 kg/ha	Foliar	1-2 applications	Initial stages of vegetative development.
Industrial crops	0,40-0,50 kg/ha	Foliar	1-2 applications	Initial stages of vegetative development.

DIRECTION FOR USE

PREBIOTIC	DO NOT MIX WITH	NOTES
SuprEmo, Giove Bio Gold, Giove Bio, Verv N9, NaturblacK	Stillages, phosphoric acid, nitric acid, products containing sulfuric acid, products containing copper, sulfur, bactericidal products, phosphites, and fungicides.	Space treatments with products containing phosphorus at least 7 days apart. Space any treatments with phosphites, fungicides, and copper-based products at least 10-15 days apart.

Mycovix
Resilient Roots

MYCOVIX has an high content of specific microorganisms that, thanks to their intense activity, are able to colonize the soil rapidly. This characteristic creates an ideal environment for root development (production of hormone-like substances, production of organic acids, and improvement of the soil's biological value) and an unfavorable environment for phytopathogens (space and Nutrient competition).
MYCOVIX is an innovative fertilizer that promotes the development of a healthy rhizosphere and stimulates the plant's natural defenses, improving its resistance, resilience, and vitality. MYCOVIX works synergistically to enhance the growth and robustness of crops, helping maintain a healthy and vibrant soil ecosystem.

Benefits
- Promotes the growth of beneficial microorganisms such as *Pochonia c.* and *Purpureocillium l;*
- Increased root development;
- More fertile soil;
- Improved plant health;
- Enhanced Nutrient absorption.

TYPE
Liquid

PACKAGING



COMPOSITION

Mycorrhizae	**0,1%**
Rhizosphere bacteria (CFU/g)	**$2x10^7$**
Trichoderma	**$1x10^4$**
pH	**7**

DENSITY
1,13 +/- 0,05 kg/dm^3

The product does not contain genetically modified organisms and pathogenic organisms. Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	3-4 l/ha	1-2 spring applications 1-2 summer applications	fertigation
Open field horticultural	3-5 l/ha	From post-transplant (2-3 applications every 8-10 gg)	fertigation
Horticultural in greenhouse	400-500ml/1000m	From post-transplant every 8-12 gg	fertigation

DIRECTION FOR USE

PREBIOTIC	DO NOT MIX WITH	NOTES
SuprEmo, Giove Bio Gold, Giove Bio, Verv N9, NaturblacK	Stillages, phosphoric acid, nitric acid, products containing sulfuric acid, products containing copper, sulfur, bactericidal products, phosphites, and fungicides.	Space treatments with products containing phosphorus at least 7 days apart. Space any treatments with phosphites, fungicides, and copper-based products at least 10-15 days apart.

A-Myco

Balanced environment

A-MYCO is a fertilizer rich in beneficial microorganisms that stimulates plants' natural defenses, improving their resistance and vitality and creating a balanced environment ideal for healthy, vigorous growth.
A-MYCO is composed of a pool of specific microorganisms that act in a targeted and natural way, integrating into the agricultural ecosystem and sustainably supporting plant resilience.

Benefits

- Promotes the development of beneficial microorganisms such as *Beauveria b.* and *Metharizium a.*;
- Healthy and lush foliage;
- Healthy and strong roots due to the metabolites produced by the microorganisms;
- Healthy and high-quality crops;
- It adapts well to nutritional strategies thanks to its anti-stress properties and resistance inducer.

TYPE
Liquid

PACKAGING



COMPOSITION

Mycorrhizae	**0,01%**
Rhizosphere bacteria (CFU/g)	**$2x10^7$**
Trichoderma	**$1x10^4$**
pH	**7**

DENSITY
1,17 +/- 0,05 kg/dm^3

The product does not contain genetically modified organisms and pathogenic organisms. Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	1-2,5 l/ha	Treat at the first signs of stress, repeat after 5-7 days	foliar
	2,5-3 l/ha		fertigation
Open field horticultural	1-2,5 l/ha	Treat at the first signs of stress, repeat after 5-7 days	foliar
	2,5-3,5 l/ha		fertigation
Horticultural in greenhouse	250-350 ml/1000m^2	Treat at the first signs of stress, repeat after 5-7 days	foliar
	300-400 ml/1000m^2		fertigation

DIRECTION FOR USE

PREBIOTIC	DO NOT MIX WITH	NOTES
SuprEmo, Giove Bio Gold, Giove Bio, Verv N9, NaturblacK	Stillages, phosphoric acid, nitric acid, products containing sulfuric acid, products containing copper, sulfur, bactericidal products, phosphites, and fungicides.	Space treatments with products containing phosphorus at least 7 days apart. Space any treatments with phosphites, fungicides, and copper-based products at least 10-15 days apart.



LEAF
MACRO & MESOELEMENTS

Liquid fertilizers based on nitrogen, phosphorus, potassium and meso elements.
The LEAF line presents various formulations capable to satisfy the nutritional needs of crops in different phenological stages.

Each Leaf product contains high-quality raw materials and is formulated with adjuvants that improve and optimize absorption.

Leaf N

Gradual nitrogen nutrition

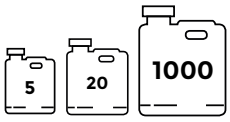
LEAF N contains gradual release nitrogen which guarantees constant and long-lasting nutrition over time, avoiding vegetative excesses. LEAF N also provides sulfur and boron which increase the protein content, the oil yield and the aromatic profile of the grapes.

Benefits

- It increases production thanks to the presence of slow release nitrogen, which favors crop development and stay green;
- It helps to overcome the most difficult development phases in spring due to non-optimal conditions with an immediate greening effect;
- It improves fruit quality, increases the sugar level of cereals, increases the hectoliter weight of proteaginous plants and the protein content, thanks to the synergy between nitrogen and sulphur;
- It promotes flowering and fruit setting due to the presence of boron;
- Easy to use as it can be used both by foliar application and by fertigation.

TYPE
Liquid

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) total	**22%**
of which ureic nitrogen	11%
of which urea formaldehyde	7%
of which ammoniacal	4%
Sulfur (SO_3) soluble in water	**11%**
Boron (B) soluble in water	**0,5%**
pH	**8**

DENSITY
1,25 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	2-3 l/ha	1-2 applications every 10-20 days from vegetative growth	foliar
Wine and table grape	2-3 l/ha	1-2 applications every 10-20 days from vegetative growth	foliar
Olive tree	2-3 l/ha	vegetative phase, budding, enlargement of the drupe	foliar
Straw cereals	3-4 l/ha	weeding at the end of tillering / beginning of raising, with flag leaf with fungicides	foliar
Extensive crops	3-4 l/ha	with weeding, fungicides and insecticides	foliar
Open field horticultural	2-3 l/ha	1-2 post-transplant applications	foliar
All crops	10-15 l/ha	at germination	fertigation

Leaf P-Ca

Specific formulation for size and quality

LEAF P-Ca contains a synergistic formulation of phosphorus and calcium bound together. LEAF P-Ca is effective at low dosages thanks to the high withcentration of completely soluble phosphorus and calcium. LEAF P-Ca can be used both in the early stages, rooting and vegetative development, and in the stages of flowering, fruit set and development of the fruit (increasing size, uniformity, hardness and shelf life).

Benefits

- Greater size and quality of the fruit (uniformity, hardness and shelf life);
- Synergistic formulation, bound and highly assimilable phosphorus and calcium;
- Low dosages thanks to the high withcentration of phosphorus and calcium (P 23.6% - Ca 6%) completely soluble;
- Extremely versatile product that can be used in every phenological phase.

TYPE
Liquid

PACKAGING

5 20

TRANSPARENT



COMPOSITION

Nitrogen (N) nitric	**3%**
Phosphorus (P_2O_5) soluble in water	**23,6%**
Calcium (CaO) soluble in water	**6%**
pH	**0,5**

DENSITY
1,37 +/- 0,05 kg/dm^3

Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Stone fruits	4-5 l/ha	from fruit set: 3 applications every 7-8 days	foliar
Pome fruits and kiwi	4-5 l/ha	from fruit set: 3 applications every 10-14 days	foliar
Wine and table grape	5-6 l/ha	from fruit set: 3 applications every 10-14 days	foliar
Olive tree	3 l/ha	from blossoming to fruit set	foliar
Open field horticultural	4-5 l/ha	beginning of fruit dev.: 3-4 applications in 10-14 days	foliar
Horticultural in greenhouse	200-300 ml/hl	from fruit set: 3-4 applications every 7-8 days	foliar
Potato	2 l/ha	10-15 days after emergence until tuberification	foliar
Alfa alfa	2,5 - 3 l/ha	in combination with herbicides and pesticides	foliar
All crops	10-15 l/ha	from the early stages of development	fertigation

Leaf K

Acid potassium for ripening

LEAF K stimulates ripening and uniforms it by increasing the color and the brix degree of the fruit. The particular formulation avoids overripening effects, maintaining the consistency of the fruit and the shelf-life. LEAF K can be used in association with pesticides as having a sub-acidic pH does not reduce their effectiveness and persistence.

Benefits

- It stimulates ripening and makes it uniform increasing the color and the brix degree;
- It avoids over-ripening effects, maintaining fruit firmness and shelf-life;
- It increases yields by increasing the dry matter in the fruit;
- It can be used in association with pesticides as having a sub-acidic pH does not reduce its effectiveness and persistence.

TYPE
Liquid

1 5 20

TRANSPARENT



COMPOSITION

Nitrogen (N) ureic	**3%**
Potassium (K_2O) soluble in water	**20%**
pH	**6,5**

DENSITY
1,40 +/- 0,05 kg/dm^3

LOW CHLORINE

Color and density are indicative

DOSAGES AND USES

CROPS	FOLIAR DOSAGES	PERIOD
Fruit trees	2-3 l/ha	2-3 applications since early veraison
Olive tree	2-3 l/ha	2-3 applications from fruit swelling onwards
Open field horticultural	2-3 l/ha	2-3 applications since early veraison of first fruits
Horticultural in greenhouse	150-250 ml/hl	since early veraison of first fruit
Wine and table grape	2-3 l/ha	2-3 applications since early veraison

Leaf N-Fast

Efficiency in nitrogen Nutrition

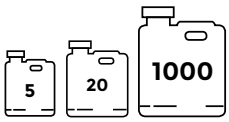
LEAF N-FAST is a highly efficient liquid nitrogen fertilizer. Nitrogen in the urea form complexed with lignosulfonates is rapidly absorbed and is 4 times more effective. LEAF N-FAST increases productivity and quality, stimulates photosynthetic activity, vegetative development and the rapid transformation of nitrogen into enzymes and proteins.

Benefits

- Increase in productivity and quality, increase in photosynthetic activity, vegetative, development and rapid transformation of nitrogen into proteins;
- High efficiency nitrogen readily available;
- No risk of phytotoxicity even at high dosages;
- It improves the effectiveness of the combined products (fertilizers and/or pesticides), as thanks to the lignosulphonates, it has a wetting, tackifying and carrier effect.

TYPE
Liquid

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) ureic	**18%**
Magnesium (MgO) water-soluble	**4%**
Sulfur (SO_3) soluble in water	**8%**
pH	**7**

DENSITY
1,25 +/- 0,05 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	5-10 l/ha	1-2 applications every 10-20 days from vegetative growth	foliar
Wine and table grape, Hazelnut	5-10 l/ha	1-2 applications every 10-20 days from vegetative growth, in wine grapes apply pre-harvest to increase APA in musts	foliar
Olive tree	5-10 l/ha	Vegetative phase, cluster flowers, enlargement of the drupe	foliar
Straw cereals	10-20 l/ha	Weeding at the end of tillering / beginning of raising, with flag leaf and fungicides	foliar
Extensive crops	10-20 l/ha	With weeding, fungicides and insecticides	foliar
Open field horticultural	10-30 l/ha	1-2 applications during the vegetative development	foliar
Rice	3-5 l/ha	with Phytochemicals	foliar
All crops	15-30 l/ha	2-4 applications during all the cycle	FERTIGATION

Leaf S-Quality

Promotes quality and protein content

LEAF S-QUALITY contains nitrogen and sulfur totally available for the plant making it effective even at low dosages. LEAF S-QUALITY contains faster nitrogen in urea form and ammonia, more long-lasting over time, which guarantee a balanced development of the crop. LEAF S-QUALITY also provides sulfur which, when applied on the leaf, favors the accumulation of proteins, oil yield and the aroma of wine. In fertigation, it acidifies the rhizosphere and promotes the absorption of Nutrients

Benefits

- It promotes quality by helping the accumulation of
- proteins, the yield in oil, the aroma of wine thanks to the balanced content of nitrogen and sulfur;
- It increases productivity by stimulating the plant to
- absorb the Nutrients present in the soil;
- It is efficient at low doses, since nitrogen and sulfur are totally available to the plant.

TYPE
Liquid

PACKAGING

5 20

TRANSPARENT



COMPOSITION

Nitrogen (N) total	**15%**
of which ammoniacal	10,4%
of which Nitrogen ureic	4,6%
Sulfur (SO_3) soluble in water	**57%**
pH	**8,5**

DENSITY
1,33 +/- 0,05 kg/dm^3

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD	MODE
Fruit trees	5-10 l/ha	from vegetative growth	foliar
Table and Wine grape	3-4 l/ha	from post fruit set	foliar
Olive tree	4-5 l/ha	vegetative phase, inflorescence buds, enlargement of the drupe	foliar
Straw cereals	3-4 l/ha	weeding at the end of tillering / beginning of raising, at flag leaf/ear emergence with fungicides	foliar
Extensive crops	3-4 l/ha	with weeding, fungicides and insecticides	foliar
Open field horticultural	2-3 l/ha	1-2 post-transplant applications	foliar
All crops	15-20 l/ha	1-2 applications	fertigation

HydroCore BTC

Balanced growth stimulator

HYDROCORE is a formulation composed of pure, crystalline raw materials that guarantee its quality, extreme solubility and very low conductivity. HYDROCORE is formulated to provide a balanced nutritional supply; the synergy between the mineral fraction, the organic (plant-based) components and the biostimulant components (Ascophyllum nodosum seaweed) optimises the plant's absorption efficiency and metabolic response. HYDROCORE combines the full availability of the three primary macronutrients with the highly transport-enhancing and anti-stress action of the plant matrix (rich in glycine) and the activating action of the algal matrix; the chelated micronutrients present complete the product's function by promoting the plant's metabolic activity. HYDROCORE is characterised by the absence of chlorides, sulphates, carbonates and urea nitrogen, making it suitable for use in any conditions and for plants in any state of health or nutrition, and for both root and foliar application.

Benefits

- More balanced and harmonious crop growth;
- Improves the plant's nutritional status;
- Maximum bioavailability of nutrients;
- Plants that are more resistant to abiotic stress;
- Improved leaf development and fruit quality.

TYPE
Water-soluble powder

PACKAGING
2,5 | 10



It contains extracts of *Ascophyllum Nodosum* seaweed.
Color and density are indicative

COMPOSITION

Nitrogen (N) total	**17%**
of which Nitrogen organic	2%
of which Nitrogen (N) nitric	8,3%
of which Nitrogen ammoniacal	6,7%
Phosphorus (P_2O_5) soluble in water	**17%**
Potassium (K_2O) soluble in water	**17%**
Boron (B) soluble in water	**0,03%**
Iron (Fe) chelated with EDTA	**0,04%**
Manganese (Mn) soluble in water	**0,04%**
of wich Manganese (Mn) chelated in EDTA	0,04%
Zinc (Zn) soluble in water	**0,04%**
of wich Zinc (Zn) chelated in EDTA	0,04%
Carbon (C) organic	**7,5%**
pH	**5**

DENSITY
1,25 +/- 0,05 kg/dm^3

POOR IN CHLORINE

DOSAGES AND USES

CROPS	FOLIAR	FERTIGATION	PERIOD
Pome fruits	1,5-2 kg/ha	10-15 kg/ha	From post-flowering every 15 days
Stone fruits	1,5-2,5 kg/ha	10-15 kg/ha	From fruit set every 15 days
Oive tree	1,5-2,5 kg/ha	10-15 kg/ha	From vegetative growth every 15-20 days
Wine and table grape	1,5-2,5 kg/ha	10-15 kg/ha	From vegetative growth every 15-20 days
Citrus trees	1,5-2,5 kg/ha	10-15 kg/ha	Throughout the entire cycle, every 20 days
Actinidia (kiwi)	2-2,5 kg/ha	10-20 kg/ha	From vegetative growth every 15-20 days
Nut, Hazelnut , Chestnut	2-2,5 kg/ha	10-15 kg/ha	From fruit set every 15-20 days
Open field horticultural	1,5-2,5 kg/ha	10-15 kg/ha	From vegetative growth every 12-15 days
Horticultural in greenhouse	100-150 g/100 litri d'acqua	1-2 kg/1000 m^2	From vegetative growth every 15 days
OrLeafy vegetables	1,5-2 kg/ha	10-15 kg/ha	From the middle of the growing season until 7–8 days before harvest
Potato, carrot, onion, garlic, leek	2-2,5 kg/ha	10-15 kg/ha	From tuber formation every 15-18 days

HydroNova BTC

High-quality ripening accelerator

HYDRONOVA is a highly concentrated product (92 fertiliser units) activated with soluble humic extracts. Its high-strength technical formulation is designed for the stages ranging from flowering through to fruit ripening. The high phosphorus content promotes energy metabolism (ATP synthesis) and supports flower induction, fruit set and the development of young fruits. Potassium influences the translocation of photosynthates (sugars) from the leaves to the fruit, regulates stomatal opening and osmotic pressure; it is also crucial for the quality of the crop (size, colour, sugar content, Brix). HYDRONOVA contains a high percentage of humic extracts (from leonardite) which act as natural chelating agents, facilitating the uptake of phosphorus and potassium and stimulating plant growth. HYDRONOVA is characterised by the absence of chlorides, sulphates and carbonates, making it suitable for use in any conditions and regardless of the plant's health or nutritional status, and can be applied both via the roots and as a foliar spray.

Benefits

- Maximisation of crop quality;
- Stronger, more vigorous plants;
- Thicker, fleshier leaves that are more resistant to environmental stress;
- Fruits with more colour and higher sugar content (Brix);
- Plants with better structure, more compact and higher-yielding

TYPE
Water-soluble powder

PACKAGING

2,5 | 5



COMPOSITION

Phosphorus (P_2O_5) soluble in water	**44%**
Potassium (K_2O) soluble in water	**48%**
pH	**8,5**

Activated with humic extracts.
Color and density are indicative

DENSITY
1,16 +/- 0,05 kg/dm^3
POOR IN CHLORINE

DOSAGES AND USES

CROPS	FOLIAR	FERTIGATION	PERIOD
Pome fruits	2-2,5 kg/ha	10 kg/ha	From veraison every 15-20 days. Post-harvest
Stone fruits	2-3 kg/ha	10 kg/ha	From veraison every 15 days. Post-harvest
Oive tree	2-2,5 kg/ha	10 kg/ha	From veraison every 15-20 days. Post-harvest
Wine and table grape	2-3 kg/ha	10 kg/ha	From veraison every 15 days. Post-harvest
Citrus trees	2-2,5 kg/ha	10 kg/ha	From veraison every 15-20 days. Post-harvest
Actinidia (kiwi)	2-3 kg/ha	10-15 kg/ha	From veraison every 15-20 days. Post-harvest
Nut, Hazelnut , Chestnut	2-2,5 kg/ha	10 kg/ha	From fruit development every 15-20 days. Post-harvest
Open field horticultural	2-2,5 kg/ha	5-10 kg/ha	Post-transplant and veraison
Horticultural in greenhouse	200-250 g/100 litri d'acqua	1-1,5 kg/1000 m^2	Post-transplant and veraison
OrLeafy vegetables	2-2,5 kg/ha	5-10 kg/ha	From post-transplant
Potato, carrot, onion, garlic, leek	2-2,5 kg/ha	10 kg/ha	From tuber ripening every 12-15 days

HydroStar BTC

Organo-mineral promoter of early stages of development

HYDROSTAR is a formulation composed of pure and highly soluble raw materials. HYDROSTAR contains a high percentage of organic nitrogen totally derived from plant extracts (enzymatic hydrolysis) with activating action for the plant and carrier for the mineral matrices present. The product has an acidic pH and is characterized by the absence of chlorides, sulphates, carbonates and urea nitrogen, which makes it usable in any vegetative phase and also for foliar.
These characteristics make HYDROSTAR a product that is effective at low dosages.

HYDROSTAR has an action of rooting and strengthening the plant while promoting flowering, thanks to the presence of pure extracts of the seaweed *Ascophyllum nodosum*.

Benefits

- Better and faster planting;
- Better post-transplant recovery;
- Strengthening of the roots and collars of plants (increased resistance to environmental stress);
- Strengthening of the plant (closer flower stands);
- Improved flowering and fruit size.

TYPE
Water-soluble powder

PACKAGING

2,5 | 10



Contains extracts of *Ascophyllum nodosum* algae. Color and density are indicative

COMPOSITION

Nitrogen (N) total	**13%**
of which Nitrogen organic	2%
of which Nitrogen (N) nitric	1,8%
of which Nitrogen ammoniacal	9,2%
Phosphorus (P_2O_5) soluble in water	**40%**
Potassium (K_2O) soluble in water	**6%**
Boron (B) soluble in water	**0,03%**
Iron (Fe) chelated with EDTA	**0,04%**
Manganese (Mn) chelated with EDTA	**0,04%**
Zinc (Zn) chelated with EDTA	**0,04%**
Carbon (C) organic	**7,5%**
pH	**6**

DENSITY
1,07 +/- 0,05 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION	FOLIAR	PERIOD
Pome fruits	10-15 kg/ha	1,5-2 kg/ha	From vegetative growth until fruit set
Stone fruits	10-15 kg/ha	1,5-2,5 kg/ha	From vegetative growth until fruit set
Oive tree	10-15 kg/ha	2,5-3 kg/ha	From vegetative growth until fruit set
Wine and table grape	10-15 kg/ha	2-2,5 kg/ha	From vegetative growth until fruit set
Citrus trees	10-15 kg/ha	2-2,5 kg/ha	From vegetative growth until fruit set
Actinidia (kiwi)	10-20 kg/ha	2-2,5 kg/ha	From vegetative growth until fruit set
Nut, Hazelnut , Chestnut	10-15 kg/ha	1,5-2 kg/ha	From vegetative growth until fruit set
Open field horticultural	15-20 kg/ha	1-2 kg/ha	From post-transplant until first cluster of fruit set
Horticultural in greenhouse	1-2 kg/1000 metri	100-120 g/100 l of water	From post-transplant until third cluster of fruit set
OrLeafy vegetables	10-15 kg/ha	1,5-2 kg/ha	From post-transplant until half vegetative cycle
Potato, carrot, onion, garlic, leek	10-15 kg/ha	2-3 kg/ha	From post-emergence until tuber formation until tuber formation





GRANULARS



NUECR4
The efficient fertilizers

POWER
Microgranular fertilizers

FERT
Organo-mineral fertilizers

ACTIVE
Mineral fertilizers

ORGANIC
Organic fertilizers

SPECIALITY
Slow release nitrogen fertilizers

THE IMPORTANCE OF PHOSPHORUS FOR CEREA FCP FERTILIZERS

CEREA FCP places considerable importance on the type of phosphorus present in its fertilizers. The phosphate matrices used are treated to increase the percentage of water-soluble phosphorus.

Phosphorus is an essential element for plants, and its deficiency can cause serious consequences. It:
- promotes rooting, making the plant more resistant to disease and less susceptible to lodging;
- it concentrates in young tissue and is crucial for energy metabolism
- and in synthesis, breakdown, and transformation reactions;
- it is crucial for obtaining abundant and uniform flowering;
- it increases the speed of fruit ripening and improves their external quality.

Phosphorus is characterized by poor mobility in the soil and low efficiency of use by plants (on average, only 10-20% of the phosphorus added to the soil through fertilization is absorbed by the plant).
For this reason, also considering that phosphorus is retained by soil colloids, and therefore is not subject to losses through surface runoff, it is advisable, when possible, **to locate it close to the roots.**

The solubility of phosphorus, and therefore its ease of absorption by plants, **depends on the soil pH:**
- in highly acidic soils, phosphorus forms insoluble complexes with iron and aluminum hydroxides (phosphates Fe and Al);
- in essentially neutral soils, it predominates in the form of monocalcium phosphate, $Ca(H_2PO_4)_2$, and dicalcium phosphate, $CaHPO_4$;
- in basic soils due to constitutional alkalinity (calcareous soils), the insoluble tricalcium phosphate, $Ca_3(PO_4)_2$, predominates;
- in sodic soils, it predominates in the form of soluble sodium phosphate (Na_3PO_4).

Phosphorus absorption is therefore favored in **essentially neutral soils**, while in acidic and basic soils it undergoes insolubilization (phosphorus retrogradation).

Thanks to the different types of phosphorus used, Cerea FCP products **are also particularly suitable for use on crops in alkaline soils**, however, rich in calcium carbonates and bicarbonates.

THE EFFICIENCY OF FERTILIZERS
NUE: NUTRIENT USE EFFICENCY

Nutrient Use Efficiency (NUE) is a very important characteristic in plant nutrition, as plants absorb nutrients according to their characteristics and needs. NUE represents the amount of a fertilizer absorbed by the plant compared to the amount actually supplied through fertilization. **The higher the NUE of a fertilizer, the better its environmental profile (fewer losses in the ecosystem) and the more efficient the agriculture (food production with less research and greater sustainability).**

NUE is influenced by: the operating environment (open field, greenhouse, soil-based or soil-less cultivation, etc.), the growing season, the type of crop (herbaceous or arboreal), genetics, and the quality of the inputs (fertilizers).
Through the adoption of different technologies, several CEREA FCP products improve NUE, **particularly those from the NUECR4** line and, to varying degrees, organo-mineral fertilizers or others like Mastercote.

BIOACTIVATED FERTILIZERS
COATING SYSTEM

CEREA FCP is equipped with a modern coating plant to produce activated fertilizers (**one or more additives are added to the granules in post-granulation**). This goal stems from CEREA FCP's belief in the need to produce more efficient and environmentally friendly fertilizers.
Our coating process can be achieved using various additives:
- minerals, such as microelements
- organics, such as biostimulants
- innovative products, such as microorganisms

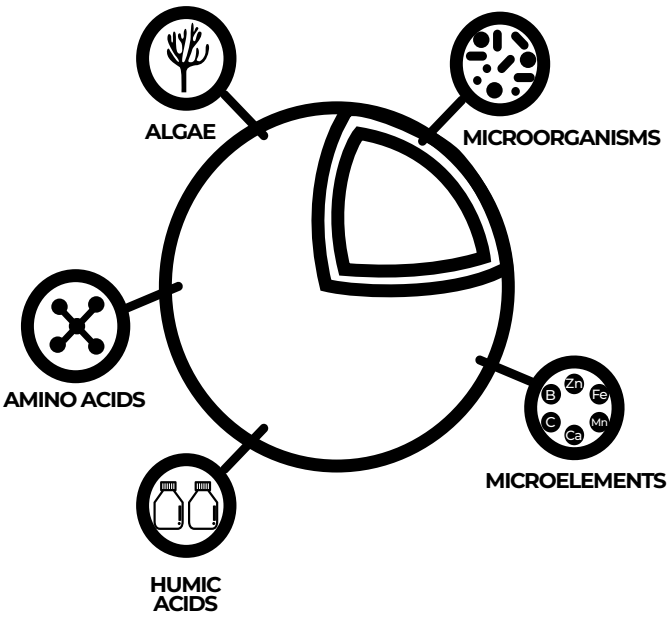
The use of high-quality raw materials, both liquid and powdered, allows us to enrich the granular product while preserving or increasing the performance of the original raw materials. This allows us to distribute special products to the soil, which would normally be applied through foliar application or fertigation.

The composition and concentration of the coating differ depending on the specific nutrient to be produced and its intended uses.

Activated fertilizers can be used on various extensive crops, fruit trees, and vegetables. Activating a granular fertilizer can offer several advantages, such as:
- **increasing nutrient use efficiency (NUE)**;
- **reducing processing costs** by eliminating the need for multiple applications (use of inhibitors);
- introducing spores of microbial species that **solubilize nutrients locked** in the soil;
- **stimulating the root system** of plants with biostimulants (seaweed and amino acid cream).

The system is sized for maximum industrial flexibility and maximum precision in formulation.

COATING : HOW TO BIOACTIVATE A GRANULAR FERTILIZER





NUECR4
THE EFFICIENT FERTILIZER

NUECR4 is the new family of granular which retain nutrients to release them gradually over time

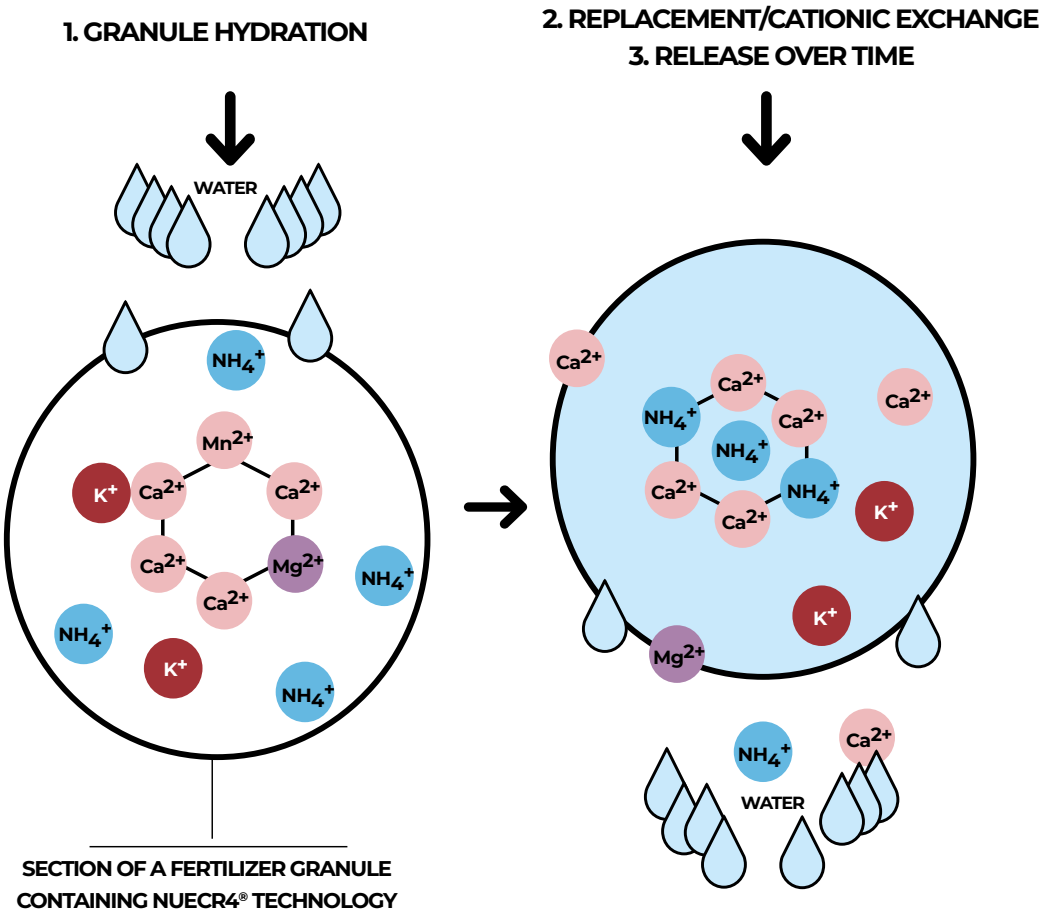
The NUECR4 family is divided into two specific subcategories
- **NUECR4 PREMIUM**: class of products containing potassium sulphate for applications on crops sensitive to the presence of chlorine
- **NUECR4:** class of products for applications on crops more tolerant to the presence of chlorine

LA TECNOLOGIA NUECR4

The NUECR4® technology in our granular fertilizers improves the NUE of nutrients (see "NUE: Nutrient Use Efficiency" on page 87).

What is NUECR4® technology?
CR stands for "**Cation Retention**": the fertilizer granules behave like clays in the soil, retaining cations and then releasing them over time.

How does NUECR4® work?
Once distributed on the soil, the granules hydrate, and the nitrogen (NH4+) and other cations (Mg, Ca, Mn, etc.) present are solubilized, binding, thanks to **NUECR4 Technology**, through cation retention. The release of the retained cations occurs gradually over time, allowing plants to utilize the elements more efficiently.



Advantages of NUECR4®

- Increase in the Nutrient Use Efficiency (NUE)
- Slow release of elements
- Vigorous and constant growth of the plant since the earliest vegetative stages
- Increase in yield
- Greater sustainability

Blurain

10.12.16+2MgO+20SO3+0.01B+1Fe+0.01Zn

BLURAIN is a complex mineral NPK fertilizer with microelements obtained by granulation. BLURAIN is suitable for tree crops, small fruit, and open-field and greenhouse vegetables. The high soluble sulfur content improves nitrogen absorption. The product supports plant nutrition beyond the early vegetative stages, promoting the development and renewal of the root system. Ideal for basal fertilization or band starter.

NUECR4
THE EFFICIENT FERTILIZER

TYPE
Granular

PACKAGING

25 600



COMPOSITION

Nitrogen (N) total	**10%**
of which Nitrogen Ammoniacal	8,5%
of which Nitrogen Ureic	1,5%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**12%**
of which soluble in water	9%
Potassium (K_2O) soluble in water	**16%**
Magnesium (MgO)	**2%**
of which soluble in water	1,5%
Sulfur (SO_3) soluble in water	**20%**
Boron (B)	**0,01%**
Iron (Fe)	**1%**
Zinc (Zn)	**0,01%**

Color and density are indicative. For hazard warnings see page 156.

DENSITY
0,94 kg/dm³

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	350-500 kg/ha	post-harvest/vegetative growth
Pome fruits	350-500 kg/ha	post-harvest/vegetative growth
Wine grape	350-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Kiwi	400-600 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	350-500 kg/ha	post-harvest/vegetative growth
Citrus trees	350-500 kg/ha	post-harvest/vegetative growth
Olive tree	350-600 kg/ha	post-harvest/vegetative growth
Extensive crops	200-300 kg/ha	localized at seeding
Horticultural in greenhouse	400-600 kg/ha	pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	400-600 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	300-500 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	350-550 kg/ha	pre-sowing, pre-transplant
Cabbages	350-550 kg/ha	pre-transplant
Garlic, onion, leek	350-550 kg/ha	pre-sowing, pre-transplant

Control (slow release Nitrogen)

12.6.14+4CaO+2MgO+30SO_3+0,02B+1Fe+0,01Zn

CONTROL is an NPK mineral fertilizer with highly soluble and available mineral matrices. It also contains 5% urea formaldehyde, which ensures greater nitrogen availability over time, ensuring a constant supply of the nutrient. CONTROL is characterized by a high soluble sulfur content, which improves nitrogen absorption.

The product supports plant nutrition beyond the early vegetative stages, promoting the development and renewal of the root system. CONTROL is a formulation suitable for horticultural crops, fruit trees, lawns, and golf courses.

NUECR4 THE EFFICIENT FERTILIZER

TYPE
Granular

PACKAGING

25 600

LOW CHLORINE



Color and density are indicative. For hazard warnings see page 156.

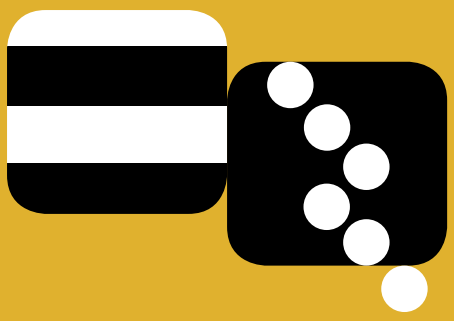
COMPOSITION

Nitrogen (N) total	**12%**
of which slow release Nitrogen (urea formaldehyde) of which Nitrogen Ammoniacal of which Nitrogen Ureic	5% 5,5% 1,5%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**6%**
of which soluble in water	5%
Potassium (K_2O) soluble in water	**14%**
Calcium (CaO)	**4%**
of which soluble in water	2%
Magnesium (MgO) soluble in water	**2%**
Sulfur (SO_3)	**30%**
of which soluble in water	28%
Boron (B)	**0,02%**
Iron (Fe)	**1%**
Zinc (Zn)	**0,01%**

DENSITY
0,90 kg/dm^3

DOSAGES AND USES

CROPS	SPREADING DOSAGES	LOCALIZED DOSAGES	PERIOD
Wine grape	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Table grape	350-550 kg/ha	175-275 kg/ha	post-harvest/vegetative growth
Kiwi	350-550 kg/ha	175-275 kg/ha	post-harvest/vegetative growth
Citrus trees	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Stone fruits	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Pome fruits	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Nursery and garden plants	350-550 kg/ha	175-275 kg/ha	pre-sowing, pre-transplant
Turf	30-50 gr/m2	15 - 25 kg/ha	pre-sowing/sowing
Nut, Hazelnut , Chestnut	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Open field horticultural and in greenhouse	300-500 kg/ha	150-250 kg/ha	pre-sowing, pre-transplant





POWER
STARTER EFFECT

POWER is the new family of micro-granular fertilizers, mineral and organo-mineral, obtained by granulation.

The micro-granule formulation allows their use at sowing directly in the furrow in contact with the seed, or at transplanting (starter technique). The small grain size of the Power fertilizers (0.5 - 1.7 mm for SuperPower, 1 - 2 mm for the remaining ones) and the low application dosages do not lead to phytotoxicity to the plant and provide nutrients starting from the early development stages.
The Power family offers a wide range of products that can be used both in conventional and organic farming, recommended for extensive and horticultural crops. The uniform granulometry and the hardness of the granule guarantee a high homogeneity of distribution through the micro-granulators present on the seed drills and transplanters.

The nitrogen present in Power fertilizers is of two types:
- **ammoniacal**: this is retained by the soil and it has low phytotoxicity for the plant,
- **organic**: vegetable or animal protein which is assimilated only after the mineralization process by microrganisms.

SuperPower

9.28+4CaO+15SO_3

SuperPower is a compound NP micro-granular mineral fertilizer (grain size 0.7 - 1.7 mm) with a high content of phosphorus, nitrogen, calcium and sulfur. The new formulation and the phosphorus / nitrogen ratio favours a pronounced starter effect by promoting the initial growth of the roots and allows it to be applied both in the seed furrow, in contact with the seed and in the transplant phase (starter technique).

This allows to reduce the dosages of use and a greater efficiency of use oth the fertilizer. Particularly suitable for extensive and horticultural crop.

TYPE
MicroGranular

PACKAGING

20 300



COMPOSITION

Nitrogen (N) total	**9%**
of which ammoniacal	9%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**28%**
of which soluble in water	26%
Calcium (CaO) soluble in water	**4%**
Sulfur (SO_3) soluble in water	**15%**

GRAIN SIZE
95% between 0,5-1,7 mm

DENSITY
0,90 kg/dm^3

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	30-50 kg/ha	localized at seeding
Extensive crops	30-50 kg/ha	localized at seeding
Legumes	30-50 kg/ha	localized at seeding
Industrial crops (Tomato, potato, sugarbeet)	40-60 kg/ha	localized at seeding/transplant
Cotton	30-50 kg/ha	localized at seeding
Open field horticultural and in greenhouse	40-60 kg/ha	localized at seeding/transplant
Strawberry	30-50 kg/ha	localized at transplant

SuperPower Humic

9.29+8CaO+18SO3+0,07B+0,1Zn+Acidi Umici

SuperPower Humic is a mineral micro-granular NP fertilizer with boron, zinc and humic acids (granulometry 0,7 - 1,7). Humic acids are from vegetal matrices that have undergone a long process of decay in soil, provide organic matter to the soil explored by the roots. It can be applied both in furrow, in contact with the seed, and during transplant (starter technique). This allows to reduce the dosages thanks to an improved fertilizer use efficiency. It is recommended for field crops and horticultural.

TYPE
MicroGranular

PACKAGING

20 300



COMPOSITION

Nitrogen (N) total	**9%**
of which ammoniacal	9%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**29%**
of which soluble in water	28%
Calcium (CaO)	**8%**
Sulfur (SO_3) soluble in water	**18%**
Boron (B) soluble in water	**0,07%**
Zinc (Zn)	**0,1%**

GRAIN SIZE
95% between 0,5-1,7 mm

DENSITY
0,90 kg/dm^3

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Extensive crops	30-50 kg/ha	localized at seeding
Industrial crops (Tomato, potato, sugarbeet)	40-60 kg/ha	localized at seeding/transplant
Strawberry	30-50 kg/ha	localized at transplant
Straw cereals	30-50 kg/ha	localized at seeding
Legumes	30-50 kg/ha	localized at seeding
Cottton	30-50 kg/ha	localized at seeding
Open field horticultural and greenhouse	40-60 kg/ha	localized at seeding/transplant

SuperPower Plus

9.29+4CaO+15SO3+0,07B+0,1Zn

SuperPower Plus is a mineral micro-granular NP compound fertilizer with boron and zinc (granulometry 0,7 - 1,7 mm). The new formulation with boron and zinc promotes the plant growth, stimulates the root development, and provides several advantages:

- increases the nutrient use efficiency
- promotes root development and root density
- anticipates flowering and maturation
- is enviornmental firendly

It can be applied both in furrow, in contact with the seed, and dduring transplant (starter technique). This allows to reduce the dosages thanks to an improved fertilizer use efficiency. It is recommended for field crops and horticultural.

TYPE
MicroGranular

PACKAGING

20 300



COMPOSITION

Nitrogen (N) total	**9%**
of which ammoniacal	9%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**29%**
of which soluble in water	27%
Calcium (CaO) soluble in water	**4%**
Sulfur (SO_3) soluble in water	**15%**
Boron (B) soluble in water	**0,07%**
Zinc (Zn)	**0,1%**

GRAIN SIZE
95% between 0,5-1,7 mm

DENSITY
0,90 kg/dm^3

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	30-50 kg/ha	localized at seeding
Extensive crops	30-50 kg/ha	localized at seeding
Legumes	30-50 kg/ha	localized at seeding
Industrial crops (Tomato, potato, sugarbeet)	40-60 kg/ha	localized at seeding/transplant
Cotton	30-50 kg/ha	localized at seeding
Open field horticultural and in greenhouse	40-60 kg/ha	localized at seeding/transplant
Strawberry	30-50 kg/ha	localized at transplant

SuperPower Extra

8.41+5CaO+6SO3+0.1B+0.02Cu+0.5Fe+0.5Zn

SuperPower Extra is a mineral micro-granular NP compound fertilizer. It has a high content of soluble phosphorus and can be absorbed in the first development stages of the plant. Boron, zinc and iron help to prevent chlorosis phenomena.
SuperPower Extra promotes root development, anticipates flowering and respects the environment. Its formulation allows the application in furrow, in contract with the seed, or during transplant (starter technique), hus reducing dosages and improving the fertilizer effciency.

TYPE
MicroGranular

PACKAGING

20 300



COMPOSITION

Nitrogen (N) total	**8%**
of which ammoniacal	8%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**41%**
of which soluble in water	37%
Calcium (CaO) soluble in water	**5%**
Sulfur (SO_3) soluble in water	**6%**
Boron (B) soluble in water	**0,1%**
Copper (Cu) soluble in water	**0,02%**
Iron (Fe)	**0,5%**
Zinc (Zn)	**0,5%**

GRAIN SIZE
95% between 0,5-1,7 mm

DENSITY
0,90 kg/dm^3

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Industrial crops (Tomato, potato, sugarbeet)	35-50 kg/ha	localized at seeding/at transplant
Strawberry	30-50 kg/ha	localized at transplant
Open field horticultural and in greenhouse	35-50 kg/ha	localized at seeding/at transplant
Extensive crops	30-50 kg/ha	localized at seeding
Straw cereals	30-50 kg/ha	localized at seeding
Legumes	30-50 kg/ha	localized at seeding
Cotton	30-50 kg/ha	localized at seeding

Power BioAger

4.6.10+10CaO+2MgO+16SO3+3Fe+12C-Org

Power BioAger is a compound micro-granular organo-mineral NPK fertilizer obtained by granulation from high quality raw materials alloed in organic farming. Its composition makes Power BioAger ideal for fruit trees, Wine grape, olive trees, and horticultural crops. The reduced granulometry allows distributing Power BioAger both with spreaders, microgranulators, and transplanting machines (starter technique). The C/N ratio equals to 3 allows to microorganisms into the soil to transform the organic nitrogen in nitrogne that can be aborbed by the plant, in order to avoid the nitrogen to kept by the soil-plant system.

TYPE
MicroGranular

PACKAGING

20 300



COMPOSITION

Nitrogen (N) organic	**4%**
Phosphorus (P_2O_5) soluble in mineral acids of which at least 55% soluble in formic acid 2%	**6%**
Potassium (K_2O) soluble in water	**10%**
Calcium (CaO)	**10%**
Magnesium (MgO) soluble in water	**2%**
Sulfur (SO_3) soluble in water	**16%**
Iron (Fe)	**3%**
Organic carbon	**12%**

GRAIN SIZE
95% between 1-2 mm

DENSITY
0,88 kg/dm^3

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Open field horticultural and in greenhouse	50-80 kg/ha	Localized at seeding/at transplant
Industrial crops (Tomato, potato)	50-80 kg/ha	Localized at seeding/at transplant
Strawberry	50-80 kg/ha	Localized at transplant
Cotton	40-70 kg/ha	Localized at seeding
Straw cereals	40-70 kg/ha	Localized at seeding
Extensive crops	40-70 kg/ha	Localized at seeding
Legumes	40-70 kg/ha	Localized at seeding

Power BioMaster

6.5.13+8CaO+16SO3+3Fe+20C-org

Power BioMaster is an NPK organo-mineral compound fertilizer micro-granular obtained by granulation from noble raw materials allowed in organic farming. The ratio of nitrogen, phosphorus, potassium and sulfur makes it ideal for fertilizing fruit crops, Wine grape and vegetables. The conformation of the granule and its granulometry make it suitable for distribution both with fertilizer spreaders and with distributors present in seeders and transplanters. Ideal for applying the starter technique at transplant or at sowing.

TYPE
MicroGranular

PACKAGING

20 300



GRAIN SIZE
95% between 1-2 mm

COMPOSITION

Nitrogen (N) organic	**6%**
Phosphorus (P_2O_5) soluble in mineral acids of which at least 55% soluble in formic acid 2%	**5%**
Potassium (K_2O) soluble in water	**13%**
Sulfur (SO_3) soluble in water	**16%**
Calcium (CaO)	**8%**
Iron (Fe)	**3%**
Organic carbon	**20%**

DENSITY
0,84 kg/dm³

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Industrial crops (Tomato, potato, sugarbeet)	50-80 kg/ha	localized at seeding/at transplant
Open field horticultural and in greenhouse	50-80 kg/ha	localized at seeding/at transplant
Strawberry	50-80 kg/ha	localized at transplant
Cotton	40-70 kg/ha	localized at seeding
Straw cereals (grano, orzo, segale)	40-70 kg/ha	localized at seeding
Extensive crops	40-70 kg/ha	localized at seeding
Legumes	40-70 kg/ha	localized at seeding

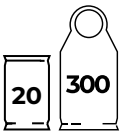
Power BioNascor

5.10+12CaO+8SO3+6Fe+12C-Org

Power BioNascor is an NP micro-granular organic fertilizer obtained by granulation from a mixture of high quality organic matrices allowed in organic farming. The organic substance inside is rich in amino acids, humic and fulvic acids that help the absorption of nutrients and restore the biological fertility of the soil. Its granulometry makes it suitable for the starter technique at transplantor sowing. Power BioNascor is ideal for fertilizing cereals, vegetables and orchards.

TYPE
MicroGranular

PACKAGING





COMPOSITION

Nitrogen (N) organic	**5%**
Phosphorus (P_2O_5)	**10%**
Potassium (K_2O) soluble in water	**1,5%**
Calcium (CaO)	**12%**
Sulfur (SO_3) soluble in water	**8%**
Iron (Fe)	**6%**
Organic carbon	**12%**

GRAIN SIZE
95% between 1-2 mm

DENSITY
0,84 kg/dm^3

Color and density are indicative

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	40-70 kg/ha	localized at seeding
Extensive crops	40-70 kg/ha	localized at seeding
Legumes	40-70 kg/ha	localized at seeding
Industrial crops (Tomato, potato, sugarbeet)	50-80 kg/ha	localized at seeding/at transplant
Cotton	40-70 kg/ha	localized at seeding
Open field horticultural and in greenhouse	50-80 kg/ha	localized at seeding/at transplant
Strawberry	50-80 kg/ha	localized at transplant





FERT
THE BENEFITS OF THE TWO WORLDS

Family of NPK and NP organo-mineral granular fertilizers that are characterized by the presence of slow release protein nitrogen and humic acids.

- Fert granular fertilizers are obtained by granulation, therefore each granule contains within it all the nutritional elements present in the formula. This guarantees a high uniformity of distribution of the nutrients in the soil, improving their effectiveness for the plants.
- The raw meterials used are high quality organic matrices, containing Humic Acids which:
- bring organic matter to the soil
- promote roots' nutrient absorption
- protect against retrogradation (phosphorus insolubility).

The organic nitrogen contained in Fert fertilizers guarantees a gradual release by microorganisms present in soil, facilitating the radical absorption. Furthermore, Fert fertilizers contain soluble and assimilable phosphorus, assisted by a physiologically acid reaction. All formulations are created with a high soluble sulfur contetnt. Their homogeneous granulometry guarantees good flexibility of use both in the open field and during seeding.

Fert family is divided into two sub-categories:
- **FERT PREMIUM**: class of products containing potassiu sulphate, for application on crops sensitive to the presence of chlorine
- **FERT**: class of products for application on crops that are more tolerant to the presence of chlorine.

ORGANIC MATTER, HUMUS AND HUMIC ACIDS IN OUR FERTILIZERS

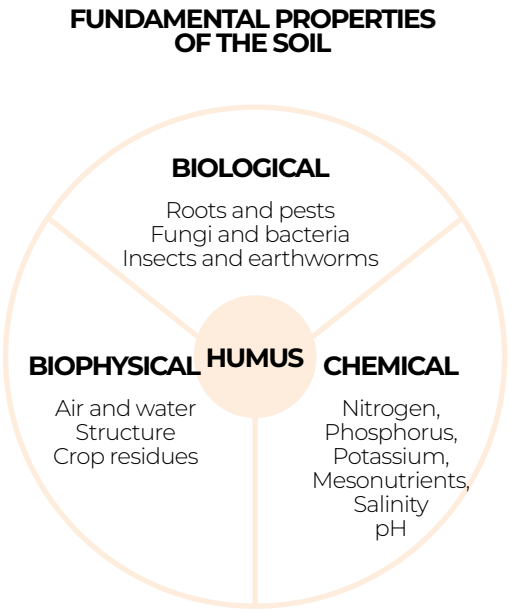
The soil is formed by a solid component (sand, silt, clay and organic matter), a liquid component (water) and a gaseous component (oxygen and carbon dioxide). Among the solid compounds, the organic matter plays an important role since it regulates the fundamental properties of the soil (see figure).

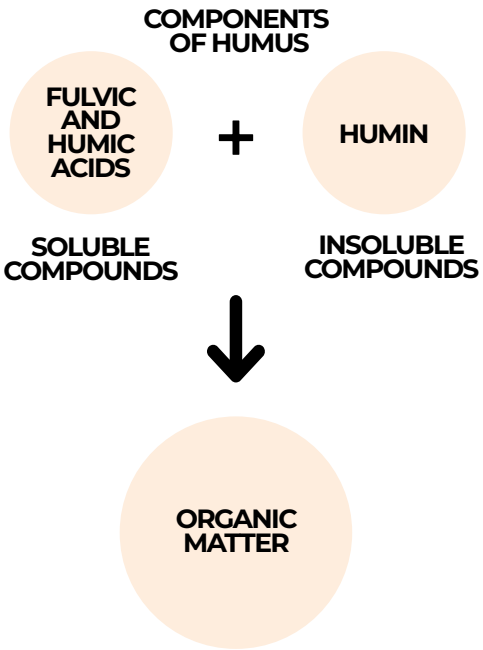
The organic matter is formed by a mix of compounds among which the most relevant are:

- **the living biomass** (plant roots, microorganisms, insects, etc)
- **the dead biomass** (plant and animal wastes in decay)
- **humus** (resulting product of the activity of microorganisms present in the soil)

Humus is the most noble and important constituent in the organic matter. It is the most stable (and more difficult to degrade) and reactive component and, for this reason, all fundamental properties of the soil depend on it. Humus in turn contains humic, fulvic acids and humin. The first two are soluble compounds at different pH ranges, while humin is insoluble. This characteristic allows for the extraction and separation of humic and fulvic acids, resulting in liquid or solid concentrates.

The fertilizers of the FERT line contain humic acids from a vegetal matrix which has undergone a long process of decay in the soil.





The FERT line fertilizers contain humic acids from plant matter that has undergone a long decomposition process in the soil.

Granoro

10.20+4CaO+20SO3+0,01B+0,03Zn+7,5C-org 2N org

Granoro is an organo-mineral NP compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value and a soluble phosphorus content. The presence of humic acids allows a better assimilation of nutrients. Its high content of soluble sulphur improves the protein content in cereal crops.
It is ideal for pre-sowing applications on winter cereals

TYPE
Granular

PACKAGING

25 600



Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**10%**
of which organic	2%
of which ammoniacal	8%
Phosphorus (P_2O_5) total	**20%**
of which soluble in neutral ammonium citrate and water	16%
of which soluble in water	14%
Calcium (CaO) soluble in water	**4%**
Sulfur (SO_3) soluble in water	**20%**
Zinc (Zn)	**0,03%**
Boron (B) soluble in water	**0,01%**
Carbon (C) organic	**7,5%**

DENSITY
0,90 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	200-400 kg/ha	pre-sowing/seeding
Extensive crops	200-400 kg/ha	pre-sowing/seeding
Legumes	200-400 kg/ha	pre-sowing/seeding
Industrial crops (Tomato, Potato, sugarbeet)	300-500 kg/ha	pre-sowing, pre-transplant, also localized
alfa alfa / fodder crops	300-500 kg/ha	pre-sowing/seeding
Open field horticultural and in greenhouse	200-300 kg/ha	pre-sowing, pre-transplant

Flex

6.10.18+3CaO+2MgO+12SO3+0,01B+0,03Zn+7,5C-org 2N org

Flex is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. The balanced ratio among nutrients is ideal for the fertilization of alkaline soils. 2% of slow-release organic nitrogen guarantees a constant absorption over time. Phosphorus is largely soluble, therefore it is assimilated by the plant more easily.
It is recommended for pre-planting applications on extensive and oil crops.

TYPE
Granular

PACKAGING

25 | 600



COMPOSITION

Nitrogen (N) total	**6%**
of which organic	2%
of which ammoniacal	4%
Phosphorus (P_2O_5) total	**10%**
of which soluble in neutral ammonium citrate and water	8%
of which soluble in water	4%
Potassium (K_2O) soluble in water	**18%**
Calcium (CaO) soluble in water	**3%**
Magnesium (MgO)	**2%**
Sulfur (SO_3) soluble in water	**12%**
Zinc (Zn)	**0,03%**
Boron (B) soluble in water	**0,01%**
Carbon (C) organic	**7,5%**

Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

DENSITY
0,93 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	600-800 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Citrus trees	600-800 kg/ha	post-harvest/vegetative growth
Straw cereals	200-400 kg/ha	pre-sowing/seeding
Legumes	200-400 kg/ha	pre-sowing/seeding
Industrial crops (Tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse	600-800 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	600-800 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	500-700 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	600-800 kg/ha	pre-sowing, pre-transplant
Cabbages	400-600 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	600-800 kg/ha	Pre-sowing, pre-transplant

Ortofrutto Special

12.6.6+3CaO+26SO3+0,01B+7,5C-Org 1N-Org

Ortofrutto Special is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. 1% of slow-release organic nitrogen guarantees a constant absorption over time, and phosphorus is soluble, therefore it is assimilated by the plant more easily. Boron favours the pollination and fertility of flowers, while the presence of humic acids allows a more rapid and efficient translocation of nutrients in the plant and provide organic matter to the soil.
It is recommended to improve the quality and productivity of fruit trees and horticultural crops.

TYPE
Granular

PACKAGING

25 600



COMPOSITION

Nitrogen (N) total	**12%**
of which organic	1%
of which ammoniacal	11%
Phosphorus (P_2O_5) total	**6%**
of which soluble in neutral ammonium citrate and water	5%
of which soluble in water	4%
Potassium (K_2O) soluble in water	**6%**
Calcium (CaO) soluble in water	**3%**
Sulfur (SO_3) soluble in water	**26%**
Boron (B) soluble in water	**0,01%**
Carbon (C) organic	**7,5%**

Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

DENSITY
0,84 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	450-650 kg/ha	post-harvest/vegetative growth
Citrus trees	450-650 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth
Oive oil	450-650 kg/ha	post-harvest/vegetative growth
Table olive	450-650 kg/ha	post-harvest/vegetative growth
Horticultural in greenhouse	400-600 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	350-550 kg/ha	pre-sowing, pre-transplant
Cabbages	350-550 kg/ha	Pre-sowing, pre-transplant

Ortofrutto Special Top

14.5.5+2CaO+30SO3+0,01B+7,5C-Org 1N-Org

Ortofrutto Special Top is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. It has a high content of soluble phosphorus, easy to be absorbed by the plant. The presence of humic acids guarantees a better assimilation of nutrients and provides organic matter to the soil. Boron favours pollination and the fertility of flowers.
It is ideal to improve the quality and productivity of fruit trees and horticultural crops.

TYPE
Granular

PACKAGING

25 | 600



COMPOSITION

Nitrogen (N) total	**14%**
of which organic	1%
of which ammoniacal	13%
Phosphorus (P_2O_5) total	**5%**
of which soluble in neutral ammonium citrate and water	4%
of which soluble in water	3%
Potassium (K_2O) soluble in water	**5%**
Calcium (CaO) soluble in water	**2%**
Sulfur (SO_3) soluble in water	**30%**
Boron (B) soluble in water	**0,01%**
Carbon (C) organic	**7,5%**

Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

DENSITY
0,86 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	450-650 kg/ha	post-harvest/vegetative growth
Citrus trees	450-650 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth
Oive oil	450-650 kg/ha	post-harvest/vegetative growth
Table olive	450-650 kg/ha	post-harvest/vegetative growth
Horticultural in greenhouse	400-600 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	350-550 kg/ha	pre-sowing, pre-transplant
Cabbages	350-550 kg/ha	pre-sowing, pre-transplant



Master Plus

10.8.15+3CaO+2Mgo+26SO3+0,01B+0,03Zn+7,5C-org 2N org

Master Plus is an organo-mineral NPK compound fertilizer obtained by granulation with highly soluble mineral matrices. It has a slightly acidic pH that facilitates the mobility of nutrients into the soil. The synergy between nitrogen and sulphur increases the protein content in crops. It is ideal for pre-sowing applications on cereal and oil crops, fodder plants, and fruit trees.

TYPE
Granular

PACKAGING

25 600



Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**10%**
of which organic	2%
of which ammoniacal	8%
Phosphorus (P_2O_5) total	**8%**
of which soluble in neutral ammonium citrate and water	7%
of which soluble in water	6%
Potassium (K_2O) soluble in water	**15%**
Calcium (CaO) soluble in water	**3%**
Magnesium (MgO)	**2%**
Sulfur (SO_3) soluble in water	**26%**
Boron (B) soluble in water	**0,01%**
Zinc (Zn)	**0,03%**
Carbon (C) organic	**7,5%**

DENSITY
0,90 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits (Apple tree, Pear tree)	300-500 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	500-700 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus trees	600-800 kg/ha	post-harvest/vegetative growth
Small fruits	300-500 kg/ha	post-harvest/vegetative growth
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Oive oil	400-600 kg/ha	post-harvest/vegetative growth
Table olive	400-600 kg/ha	post-harvest/vegetative growth
Industrial crops (Tomato, Potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	400-600 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

Olivo

12.6.6+3CaO+26SO3+0.01B+7,5C-Org 1N-Org

Olivo is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. 1% of slow-release organic nitrogen guarantees a constant absorption over time. It has a high content of soluble phosphorus, easy to be absorbed by the plant. Boron favours pollination and the fertility of flowers. The presence of humic acids allows a more rapid and efficient translocation of nutrients in the plant and provide organic matter to the soil.
It is ideal to improve the quality and productivity of fruit trees and olive trees.

TYPE
Granular

PACKAGING

25 | 600



COMPOSITION

Nitrogen (N) total	**12%**
of which organic	1%
of which ammoniacal	11%
Phosphorus (P_2O_5) total	**6%**
of which soluble in neutral ammonium citrate and water	5%
of which soluble in water	4%
Potassium (K_2O) soluble in water	**6%**
Calcium (CaO) soluble in water	**3%**
Sulfur (SO_3) soluble in water	**26%**
Boron (B) soluble in water	**0,01%**
Carbon (C) organic	**7,5%**

Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

DENSITY
0,84 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Oive oil	450-650 kg/ha	post-harvest/vegetative growth
Table olive	450-650 kg/ha	post-harvest/vegetative growth
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	450-650 kg/ha	post-harvest/vegetative growth
Citrus trees	450-650 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth

Dual Band

7.22+3CaO+16SO3+0,01Zn+7,5C-Org 1,5N-Org

Dual Band is a NP organo-mineral fertilizer activated by humic and fulvic acids and obtained through granulation of selected raw materials.
Dual Band contains organic nitrogen of amino-acidic origin, zinc, calcium and sulphur, which all favour an optimal sprouting of the seed and development of the root system. The presence of humic and fulvic acids have a biostimulant action and, moreover, guarantees nutrient availability for the crop limiting processes of retrogradation of phosphorus and nitrogen leaching.
Dual Band can be applied to all crops, in particular during the stage of pre-sowing of winter cereal crops.

TYPE
Granular

PACKAGING

25 | 600



COMPOSITION

Nitrogen (N) total	**7%**
of which organic	1,5%
of which ammoniacal	5,5%
Phosphorus (P_2O_5) total	**22%**
of which soluble in neutral ammonium citrate and water	15%
of which soluble in water	9%
Calcium (CaO) soluble in water	**3%**
Sulfur (SO_3) soluble in water	**16%**
Zinc (Zn)	**0,01%**
Carbon (C) organic	**7,5%**

Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

DENSITY
0,95 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	250-450 kg/ha	pre-sowing/seeding
Extensive crops	250-450 kg/ha	pre-sowing/seeding
Legumes	250-450 kg/ha	pre-sowing/seeding
Industrial crops (Tomato, potato, sugarbeet)	350-550 kg/ha	pre-sowing, pre-transplant, also localized
Alfa alfa / fodder crops	350-550 kg/ha	pre-sowing/seeding
Open field horticultural and in greenhouse	250-350 kg/ha	pre-sowing, pre-transplant

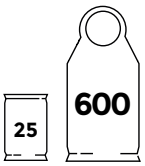
TrioStart

8.15.8+4CaO+16SO3+0,01B+0,003Zn+7,5C-Org 2N-Org

TrioStart is an organo-mineral NPK complex fertilizer rich in phosphorus which is totally assimilable.
The organic matrix which derives from hydrolyzed gelatin (rich in amino acids) improves the structure of the soil and ensures a slow-release nitrogen nutrition. The phosphorus present is not retrogradable because it is bound to a humic matrix (humic acids) which allows its complete assimilation. It is particularly suitable for the stimulation of the root system, to strengthen the plant and, in the meantime, to reintegrate soil fertility.

TYPE
Granular

PACKAGING





Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**8%**
of which organic	2%
of which ammoniacal	6%
Phosphorus (P_2O_5) total	**15%**
of which soluble in neutral ammonium citrate and water	13%
of which soluble in water	11%
Potassium (K_2O) soluble in water	**8%**
Calcium (CaO) soluble in water	**4%**
Sulfur (SO_3) soluble in water	**16%**
Boron (B)	**0,01%**
Zinc (Zn)	**0,03%**
Carbon (C) organic	**7,5%**

DENSITY
0,85 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Actinia (kiwi)	600-800 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Industrial crops (Tomato, Potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages	300-500 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	300-500 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse	400-600 kg/ha	pre-sowing, pre-transplant

Vinfrutto

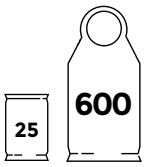
8.6.14+3CaO+2MgO+30SO3+0,01B+0,5Fe+0,01Zn+7,5C-org 2N org

Vinfrutto is an NPK complex organo-mineral fertilizer containing microelements. It is obtained by granulation and it has a low chlorine content. Its formulation allows a complete and balanced intake of essential nutrients for plants. It contains:

- 2% organic nitrogen: slow-release nitrogen which guarantees an absorption over time (excellent carbon/nitrogen ratio which stimulates microbial activity in the soil)
- Highly soluble phosphorus (protected by humic acids), therefore more easily assimilable
- Soluble sulphur, calcium, magnesium, boron, iron and zinc which guarantee a complete nutrition.
- Vinfrutto is mostly recommended for autumn and/or spring fertilization of fruit trees.

TYPE
Granular

PACKAGING





Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**8%**
of which organic	2%
of which ammoniacal	6%
Phosphorus (P_2O_5) total	**6%**
of which soluble in neutral ammonium citrate and water	5%
of which soluble in water	3%
Potassium (K_2O) soluble in water	**14%**
Calcium (CaO) soluble in water	**3%**
Magnesium (MgO) soluble in water	**2%**
Sulfur (SO_3) soluble in water	**30%**
Boron (B) soluble in water	**0,01%**
Iron (Fe)	**0,5%**
Zinc (Zn) soluble in water	**0,01%**
Carbon (C) organic	**7,5%**

DENSITY
0,99 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Actinia (kiwi)	600-800 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	600-800 kg/ha	post-harvest/vegetative growth
Citrus trees	600-800 kg/ha	vegetative growth
Small fruits	300-500 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Oive oil	400-600 kg/ha	vegetative growth
Table olive	400-600 kg/ha	vegetative growth
Horticultural in greenhouse	600-800 kg/ha	pre-sowing, pre-transplant
Industrial crops	600-800 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	500-700 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	500-700 kg/ha	pre-sowing, pre-transplant
Cabbages	500-700 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

Ortoplus

8.16.8+5CaO+25SO3+0,01B+0,02Zn+7,5C-Org 2N-Org

Ortoplus is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. It has a high content of soluble phosphorus, therefore easily absorbed by the plant. Moreover, the presence of humic acids allows a better assimilation of nutrients.

It contains 2% of slow-release organic nitrogen which guarantees a constant absorption over time

TYPE
Granular

PACKAGING

25 600



Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**8%**
of which organic	2%
of which ammoniacal	6%
Phosphorus (P_2O_5) total	**16%**
of which soluble in neutral ammonium citrate and water	14%
of which soluble in water	12%
Potassium (K_2O) soluble in water	**8%**
Calcium (CaO) soluble in water	**5%**
Sulfur (SO_3) soluble in water	**25%**
Boron (B) soluble in water	**0,01%**
Zinc (Zn) soluble in water	**0,02%**
Carbon (C) organic	**7,5%**

DENSITY
1,1 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	600-800 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Industrial crops (Tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages	300-500 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	300-500 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse	400-600 kg/ha	pre-sowing, pre-transplant

Jolly

6.10.20+3CaO+22SO3+7,5C-Org 2N-Org

Jolly is an organo-mineral NPK fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. Its high sulphur content improves the quality of the organoleptic aspects of crops. It has a high potassium sulphate content. It is ideal for fall and spring fertilization of fruit trees.
It contains 2% of slow-release organic nitrogen which guarantees a constant absorption over time. Phosphorus is soluble, therefore easily assimilable.

TYPE
Granular

PACKAGING

25 | 600



Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**6%**
of which organic	2%
of which ammoniacal	4%
Phosphorus (P_2O_5) total	**10%**
of which soluble in neutral ammonium citrate and water	8%
of which soluble in water	6%
Potassium (K_2O) soluble in water	**20%**
Calcium (CaO) soluble in water	**3%**
Sulfur (SO_3) soluble in water	**22%**
Carbon (C) organic	**7,5%**

DENSITY
1 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	400-600 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	600-800 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus trees	600-800 kg/ha	post-harvest/vegetative growth
Industrial crops (Tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse	600-800 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	600-800 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	500-700 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	600-800 kg/ha	pre-sowing, pre-transplant
Cabbages	400-600 kg/ha	pre-sowing, pre-transplant
Tobacco	600-800 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	600-800 kg/ha	pre-sowing, pre-transplant

Vinfrutto Star

10.10.15+2MgO+28SO3+7,5C-Org 2N-Org

Vinfrutto Star is an NPK organo-mineral complexed fertilizer, which is balanced and complete. The high title and the low chlorine content make the product of elevated quality. The ratio among nutrients ensures to the plant a complete and constant nutrition during the whole crop cycle. Vinfrutto Star is ideal for every crop, especially for the fertilization of post-harvest/autumn – winter fruit crops.
Vinfrutto Star contains:

- 2% of organic nitrogen of high quality, rich in amino acids and polypeptides which allow a gradual absorption over time;
- Assimilable phosphorus and non retrogradable in the soil;
- Magnesium and sulphur with a greening and acidifying action;
- Humic acids which improve the structure of the soil and promote the absorption of nutrients.

TYPE
Granular

PACKAGING

25 600



Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**10%**
of which organic	2%
of which ammoniacal	8%
Phosphorus (P_2O_5) total	**10%**
of which soluble in neutral ammonium citrate and water	9%
of which soluble in water	8%
Potassium (K_2O) soluble in water	**15%**
Magnesium (MgO) soluble in water	**2%**
Sulfur (SO_3) soluble in water	**28%**
Carbon (C) organic	**7,5%**

DENSITY
0,97 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits (peach, nectarine, percoco, apricot, plum, almond, cherry)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits (Apple tree, Pear tree)	400-600 kg/ha	post-harvest/vegetative growth
Wine grape	350-600 kg/ha	post-harvest/vegetative growth
Table grape	500-700 kg/ha	post-harvest/vegetative growth
Kiwi	500-700 kg/ha	post-harvest/vegetative growth
Horticultural in greenhouse	500-700 kg/ha	pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	500-700 kg/ha	pre-sowing, pre-transplant
Cabbages	400-600 kg/ha	pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant







ACTIVE
LOVE
FOR YOUR CROP

Family of P-NP-NPK granular mineral fertilizers with low chlorine content which are characterized by high solubility and availability of nutrients.

The Active family fertilizers contain phosphorus and other highly soluble nutrients. Their homogeneous granulometry guarantees a high uniformity of distribution.

They guarantee, thanks to the combination of nitrogen and sulfur, a greater protein content especially in cereal crops and a better absorption of nitrogen in all the others, thus limiting the losses (especially those for leaching).

All Active fertilizers have a physiologically acidic pH that increase the availability of phosphorus and microelements, which are more easily absorbed by the roots.

Active family is divided into ACTIVE PREMIUM and ACTIVE:

- **ACTIVE PREMIUM** line with sulphate potassium for applications in chlorine-sensitive crops;
- **ACTIVE** line for applications on more tollerant crops.

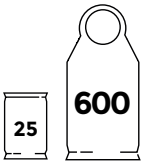
Cereaphos

0.40.0+12CaO+5SO3+0,01B+0,01Zn

Cereaphos is a mineral fertilizer obtained by granulation with a high solubility and availability phosphatic matrix. The presence of sulphur increases the organoleptic aspects of crops, while boron favours flowering and fruit set by ensuring a more stable production. Zinc is important as it is a forerunner of many physiological reactions of plants and it is also a cofactor in phosphorus absorption.
Cereaphos contains humic acids.
It is indicated for localized fertilization at sowing or transplant.

TYPE
Granular

PACKAGING





Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Phosphorus (P_2O_5) total	**40%**
of which soluble in water	36%
of which soluble in neutral ammonium citrate and water	40%
Calcium (CaO) soluble in water	**12%**
Sulfur (SO_3) soluble in water	**5%**
Boron (B) soluble in water	**0,01%**
Zinc (Zn) soluble in water	**0,01%**

DENSITY
0,99 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Industrial crops (Tomato, potato, sugarbeet)	300-500 kg/ha	post-harvest/vegetative growth
Extensive crops	300-400 kg/ha	post-harvest/vegetative growth
Open field horticultural and in greenhouse	300-400 kg/ha	post-harvest/vegetative growth
Straw cereals	200-400 kg/ha	post-harvest/vegetative growth
Legumes	200-400 kg/ha	post-harvest/vegetative growth

Universal Up

9.30+6CaO+14SO3+0,01B+0,03Zn

Universal Up is an NP mineral compound fertilizer activated with humic acids. It contains different forms of nitrogen (ammoniacal, ureic) and presents a high content of soluble phosphorus. Humic acids facilitate the absorption of nutrients and protect phosphorus from retrogradation (insolubility).
It is indicated for fruit trees and extensive crops.

TYPE
Granular

PACKAGING

25 600



Contains humic acids. Color and density are indicative.
For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**9%**
of which Nitrogen ammoniacal	7%
of which Nitrogen ureic	2%
Phosphorus (P_2O_5) total	**30%**
of which soluble in water	26%
of which solubilein neutral ammonium citrate and water	28%
Calcium (CaO) soluble in water	**6%**
Sulfur (SO_3) soluble in water	**14%**
Boron (B) soluble in water	**0,01%**
Zinc (Zn)	**0,03%**

DENSITY
0,90 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	200-400 kg/ha	pre-sowing/seeding
Extensive crops	300-400 kg/ha	pre-sowing/seeding
Legumes	200-400 kg/ha	pre-sowing/seeding
Industrial crops (Tomato, potato, sugarbeet)	300-500 kg/ha	pre-sowing, pre-transplant, also localized
Open field horticultural and in greenhouse	300-400 kg/ha	pre-sowing, pre-transplant



Land Plus

10.8.15+3CaO+2MgO+31SO3+0,01B+0,01Cu+0,001Mo+0,01Zn

Land Plus is an NPK mineral compound fertilizer with activator, obtained by granulation. It contains high-solubility and availability mineral matrices. The high amount of nitrogen in different forms (ammoniacal and ureic) and the synergy with sulphur improve the protein content in several crops. Its balanced formulation and the presence of calcium, magnesium, sulphur and microelements ensure a complete nutrition to the plant. It contains humic acids.
Land Plus is indicated for pre-sowing applications on cereal crops, oil crops and fruit trees.

TYPE
Granular

PACKAGING

25 600



COMPOSITION

Nitrogen (N) total	**10%**
of which Nitrogen Ammoniacal	8%
of which Nitrogen Ureic	2%
Phosphorus (P_2O_5) total	**8%**
of which soluble in water	5%
of which solubile in neutral ammonium citrate and water	6%
Potassium (K_2O) soluble in water	**15%**
Calcium (CaO) soluble in water	**3%**
Magnesium (MgO)	**2%**
of which soluble in water	1,5%
Sulfur (SO_3)	**31%**
of which soluble in water	28%
Boron (B) soluble in water	**0,01%**
Copper (Cu)	**0,01%**
Molybdenum (Mo)	**0,001%**
Zinc (Zn)	**0,01%**

Color and density are indicative. For hazard warnings see page 156.

DENSITY
0,90 kg/dm³

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Kiwi	400-600 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus trees	400-600 kg/ha	post-harvest/vegetative growth
Stone fruits	300-500 kg/ha	post-harvest/vegetative growth
Pome fruits	300-500 kg/ha	post-harvest/vegetative growth
Oive oil	300-500 kg/ha	vegetative growth
Extensive crops	200-400 kg/ha	pre-sowing, covering
Table olive	300-500 kg/ha	vegetative growth
Horticultural in greenhouse	500-700 kg/ha	pre-sowing, pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages	300-500 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant

Cerea Blu

11.11.16+2MgO+26SO3+0,01B+0,5Fe+0,01Zn

Cerea Blu is an NPK mineral compound fertilizer obtained by granulation.
The nitrogen, phosphorus and potassium ratio, together with magnesium, sulphur and microelements guarantees a balanced nutrition. The synergy between nitrogen and sulphur improves the protein content in several crops.
It is ideal for pre-sowing applications of cereal crops, oil crops and fruit trees.

TYPE
Granular

PACKAGING

25 600



COMPOSITION

Nitrogen (N) total	**11%**
of which Nitrogen Ammoniacal	9,5%
of which Nitrogen Ureic	1,5%
Phosphorus (P_2O_5) total	**11%**
of which soluble in water	9%
of which solubile in neutral ammonium citrate and water	11%
Potassium (K_2O) soluble in water	**16%**
Magnesium (MgO)	**2%**
of which soluble in water	1,5%
Sulfur (SO_3)	**26%**
of which soluble in water	22%
Boron (B)	**0,01%**
Iron (Fe)	**0,5%**
Zinc (Zn)	**0,01%**

Color and density are indicative. For hazard warnings see page 156.

DENSITY
0,87 kg/dm³

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	300-500 kg/ha	post-harvest/vegetative growth
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	500-700 kg/ha	post-harvest/vegetative growth
Kiwi	500-700 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	500-700 kg/ha	post-harvest/vegetative growth
Citrus trees	400-600 kg/ha	post-harvest/vegetative growth
Oive oil	500-700 kg/ha	post-harvest/vegetative growth
Table olive	500-700 kg/ha	post-harvest/vegetative growth
Extensive crops	200-300 kg/ha	localized at seeding
Horticultural in greenhouse	500-700 kg/ha	pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	300-500 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages	400-600 kg/ha	pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant
Alfa alfa / fodder crops	300-500 kg/ha	pre-sowing/seeding

Super Red

14.7.7+7CaO+2MgO+38SO3

Super Red is an NPK mineral compound fertilizer obtained by granulation. It contains a high amount of nitrogen in different forms (ammoniacal and ureic) and a high amount of sulphur. The synergy between nitrogen and sulphur improves the protein content in several crops.
It is indicated for pre-sowing applications on cereal crops and in post-harvest for oil crops, and fruit trees.

TYPE
Granular

PACKAGING

25 600



COMPOSITION

Nitrogen (N) total	**14%**
of which Nitrogen Ammoniacal	11%
of which Nitrogen Ureic	3%
Phosphorus (P_2O_5) total	**7%**
of which soluble in water	6%
of which solubile in neutral ammonium citrate and water	7%
Potassium (K_2O) soluble in water	**7%**
Calcium (CaO)	**7%**
of which soluble in water	4%
Magnesium (MgO)	**2%**
of which soluble in water	1%
Sulfur (SO_3)	**38%**
of which soluble in water	35%

Color and density are indicative. For hazard warnings see page 156.

DENSITY
0,90 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Oive oil	400-600 kg/ha	post-harvest/vegetative growth
Table olive	400-600 kg/ha	post-harvest/vegetative growth
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	300-500 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus trees	400-600 kg/ha	post-harvest/vegetative growth
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Other Open field horticultural	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	300-500 kg/ha	pre-sowing, pre-transplant
Cabbages	300-500 kg/ha	pre-sowing, pre-transplant

Terra 33

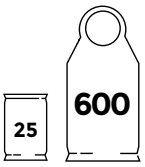
5.10.18+11CaO+2MgO+22SO3

Terra 33 is an NPK mineral fertilizer obtained by granulation. It contains mineral matrices of high quality and has a slightly acidic pH that favours the mobilisation of nutrients in the soil and their absorption by the roots. The synergy between nitrogen and sulphur improves the protein content in several crops.

It is indicated for pre-sowing applications on cereal crops and fodder plants and in post-harvest for oil crops and fruit trees.

TYPE
Granular

PACKAGING





COMPOSITION

Nitrogen (N) total	**5%**
of which Nitrogen Ammoniacal	3,5%
of which Nitrogen Ureic	1,5%
Phosphorus (P_2O_5) total	**10%**
of which soluble in water	4%
of which soluble in neutral ammonium citrate and water	5%
of which soluble in formic acid	7,5%
Potassium (K_2O) soluble in water	**18%**
Calcium (CaO)	**11%**
of which soluble in water	6%
Magnesium (MgO)	**2%**
of which soluble in water	1,5%
Sulfur (SO_3)	**22%**
of which soluble in water	20%

Color and density are indicative. For hazard warnings see page 156.

DENSITY
0,95 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Legumes	200-400 kg/ha	pre-sowing/seeding
Straw cereals	200-400 kg/ha	pre-sowing/seeding
Industrial crops (Tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	500-700 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	500-700 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit	300-500 kg/ha	post-harvest/vegetative growth
Kiwi	400-600 kg/ha	post-harvest/vegetative growth
Wine grape	400-600 kg/ha	post-harvest/vegetative growth
Table grape	500-700 kg/ha	post-harvest/vegetative growth
Citrus trees	500-700 kg/ha	post-harvest/vegetative growth

Bluactive

11.11.16+2MgO+34SO3+0,01B+0,01Zn

Bluactive is an NPK mineral compound fertilizer obtained by granulation with high-solubility mineral matrices. The balanced content of nitrogen, phosphorus, and potassium, together with magnesium and microelements, guarantees a complete nutrition of the crop. The high content of potassium sulphate makes it ideal for crops that are sensitive to the presence of chlorine. Bluactive is indicated for fruit trees and a localized application at sowing (starter) on extensive crops.

TYPE
Granular

PACKAGING

25 600



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**11%**
of which Nitrogen Ammoniacal	9,5%
of which Nitrogen Ureic	1,5%
Phosphorus (P_2O_5) total	**11%**
of which soluble in water	9%
of which solubile in neutral ammonium citrate and water	11%
Potassium (K_2O) soluble in water	**16%**
Magnesium (MgO)	**3%**
of which soluble in water	1,5%
Sulfur (SO_3)	**36%**
of which soluble in water	34%
Boron (B)	**0,01%**
Zinc (Zn)	**0,01%**

DENSITY
0,93 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	300-500 kg/ha	post-harvest/vegetative growth
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	500-700 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	500-700 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	500-700 kg/ha	post-harvest/vegetative growth
Citrus trees	400-600 kg/ha	post-harvest/vegetative growth
Oive oil	500-700 kg/ha	post-harvest/vegetative growth
Table olive	500-700 kg/ha	post-harvest/vegetative growth
Extensive crops	200-300 kg/ha	localized at seeding
Legumes	200-400 kg/ha	pre-sowing/seeding
Horticultural in greenhouse	500-700 kg/ha	pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	300-500 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages	400-600 kg/ha	pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant
Alfa alfa /fodder crops	300-500 kg/ha	pre-sowing/seeding

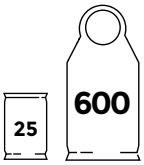
Global

3.12.22+6CaO+2MgO+32SO3

Global is an NPK mineral compound fertilizer obtained by granulation with high-solubility mineral matrices. The high content of potassium sulphate makes it ideal for crops sensitive to the presence of chlorine. The high content of soluble sulphur improves nitrogen absorption. It contains magnesium, an important element in photosynthesis processes and an essential constituent of chlorophyll. It is indicated for pre-transplant applications on horticultural crops, fruit trees and alfalfa.

TYPE
Granular

PACKAGING





Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**3%**
of which Nitrogen Ammoniacal	2%
of which Nitrogen Ureic	1%
Phosphorus (P_2O_5) total	**12%**
of which soluble in water	11%
of which solubile in neutral ammonium citrate and water	12%
Potassium (K_2O) soluble in water	**22%**
Calcium (CaO)	**6%**
of which soluble in water	4%
Magnesium (MgO) soluble in water	**2%**
Sulfur (SO_3)	**32%**
of which soluble in water	30%

DENSITY
1 kg/dm³

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Tobacco	500-700 kg/ha	pre-sowing, pre-transplant
Stone fruits	450-650 kg/ha	post-harvest/vegetative growth
Pome fruits (Apple tree, Pear tree)	350-550 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	450-650 kg/ha	post-harvest/vegetative growth
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth
Citrus trees	450-650 kg/ha	post-harvest/vegetative growth
Industrial crops (Tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	450-650 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	450-650 kg/ha	pre-sowing, pre-transplant
Cabbages	450-650 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

Red Ball

12.6.15+6CaO+2MgO+39SO3

Red Ball is a mineral NPK complex fertilizer rich in nitrogen, potassium and sulphur to improve the quality of the productions. The elevated content of sulphur within the fertilizer acidifies the soild and allows a better assimilation of nutrients, moreover the ratio between N/K nourishes and strengthens the plant at the same time. Magnesium stimulates photosynthesis and has a greening action. Phosphorus keeps the root system active and receptive.

TYPE
Granular

PACKAGING

25 | 600



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**12%**
of which Nitrogen Ammoniacal	9%
of which Nitrogen Ureic	3%
Phosphorus (P_2O_5) total	**6%**
of which soluble in water	4%
of which solubile in neutral ammonium citrate and water	6%
Potassium (K_2O) soluble in water	**15%**
Calcium (CaO)	**6%**
of which soluble in water	3%
Magnesium (MgO)	**2%**
of which soluble in water	1%
Sulfur (SO_3)	**39%**
of which soluble in water	37%

DENSITY
0,92 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	300-500 kg/ha	post-harvest/vegetative growth
Pome fruits	300-500 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	400-600 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus trees	400-600 kg/ha	vegetative growth
Small fruits	300-500 kg/ha	post-harvest/vegetative growth
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Oive oil	300-500 kg/ha	vegetative growth
Table olive	300-500 kg/ha	vegetative growth
Horticultural in greenhouse	500-700 kg/ha	pre-sowing, pre-transplant
Industrial crops (Tomato, Potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages	300-500 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant

Base

6.12.18+10CaO+34SO3

Base is an NPK mineral compound fertilizer obtained by granulation with high-solubility matrices. The high content of phosphorus and potassium guarantees an efficient nutrition of the plant. The product is rich in soluble sulphur and the synergy between nitrogen and sulphur increases the protein content in cereal crops. It is indicated for pre-sowing and pre-transplant applications on extensive and horticultural crops.

TYPE
Granular

PACKAGING

25 600



Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) total	**6%**
of which Nitrogen Ammoniacal	5%
of which Nitrogen Ureic	1%
Phosphorus (P_2O_5) total	**12%**
of which soluble in water	11%
of which solubile in neutral ammonium citrate and water	12%
Potassium (K_2O) soluble in water	**18%**
Calcium (CaO)	**10%**
of which soluble in water	5%
Sulfur (SO_3)	**34%**
of which soluble in water	28%

DENSITY
0,95 kg/dm^3

LOW CHLORINE

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	400-600 kg/ha	post-harvest/vegetative growth
Pome fruits	300-500 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	400-600 kg/ha	post-harvest/vegetative growth
Wine grape	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Citrus trees	400-600 kg/ha	post-harvest/vegetative growth
Industrial crops (Tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse	500-700 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages	400-600 kg/ha	pre-sowing, pre-transplant
Tobacco	500-700 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

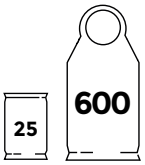
Mastercote (control release Nitrogen)

18.9.18+28SO3

Mastercote is an NPK mineral compound fertilizer obtained by granulation with high-solubility and availability mineral matrices. It contains 12% of coated urea which allows a controlled release of nitrogen over time and guarantees a nutrient intake in the proper phenological stages; in this way the development of the root and the foliar systems is promoted. The high content of water-soluble sulphur helps nitrogen absorption.
It is indicated for horticultural crops, fruit trees and turf.

TYPE
Granular

PACKAGING





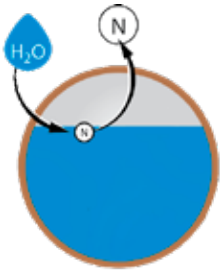
DENSITY
0,92 kg/dm³

LOW CHLORINE

COMPOSITION

Nitrogen (N) total	**18%**
of which ureic	10,5%
of which ammoniacal	7,5%
Phosphorus (P_2O_5) total	**9%**
of which soluble in water	8,5%
of which solubile in neutral ammonium citrate and water	9%
Potassium (K_2O) soluble in water	**18%**
Sulfur (SO_3) soluble in water	**28%**

MASTERCOTE is considered a highly effective fertilizer (for NUE see page 87)

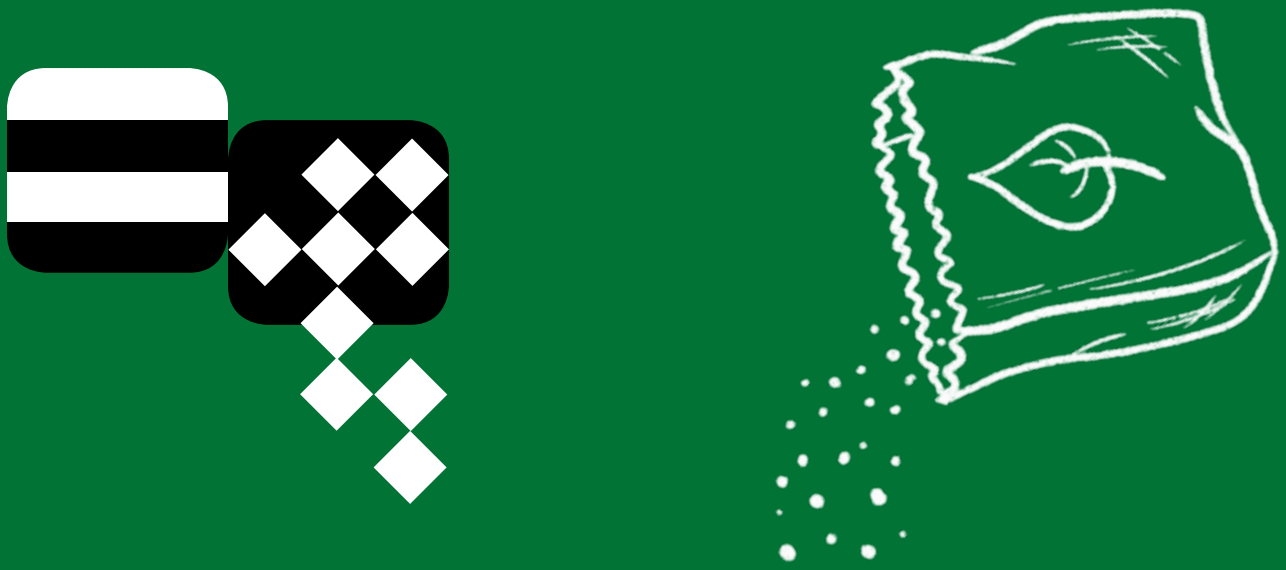


Color and density are indicative. For hazard warnings see page 156.

DOSAGES AND USES

CROPS	SPREADING DOSAGES	DOSAGES LOCALIZZATO	PERIOD
Wine grape	300-400 kg/ha	150-200 kg/ha	post-harvest/vegetative growth
Table grape	300-500 kg/ha	150-250 kg/ha	post-harvest/vegetative growth
Actinidia (kiwi)	300-500 kg/ha	150-250 kg/ha	post-harvest/vegetative growth
Citrus trees	200-400 kg/ha	100-200 kg/ha	post-harvest/vegetative growth
Stone fruits	300-400 kg/ha	150-200 kg/ha	post-harvest/vegetative growth
Pome fruits	300-400 kg/ha	150-200 kg/ha	post-harvest/vegetative growth
Nursery and garden plant	300-500 kg/ha	150-250 kg/ha	pre-sowing, pre-transplant
Turf	30-50 gr/m2	15-25 gr/m2	pre-sowing/seeding
Nut, Hazelnut , Chestnut	300-400 kg/ha	150 - 200 kg/ha	post-harvest/vegetative growth
Open field horticultural and in greenhouse	200-400 kg/ha	100 - 200 kg/ha	pre-sowing, pre-transplant





ORGANIC
ECO FRIENDLY AGRICULTURE

Family of fertilizers allowed in organic agriculture. Formulations from ORGANIC line are ideal for basal applications and coverage.

Organic is a family of high-quality granular fertilizers allowed in organic farming obtained by granulation. The formulations are ideal for basal and cover fertilizations. The variety of products offered allows us to guarantee the correct development of any crop while maintaining the choice of organic agriculture without loss in quality and production.

The organic nitrogen present in the Organic fertilizers ensures a slow release into the soil by microorganisms and avoids leaching, guaranteeing a prolonged availability over time throughout the entire crop cycle.

Their granulometry allows a good flexibility with applications both with fertilizer spreaders in the open field both in the hopper during sowing.

The presence of sulfur increases the protein content especially in cereal crops and improves the absorption of nitrogen in all the others limiting the losses.

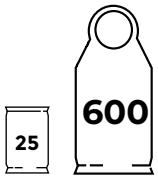
BioNascor

5.10+12CaO+8SO3+6Fe+12C-Org

BioNascor is an organic NP fertilizer obtained by granulation from a mixture of high quality organic matrices (bone meal, stillage, turf and hydrolyzed gelatin) allowed for organic farming. The organic matter is rich in amino acids, humic and fulvic acids which help to absorb nutrients. Phosphorus acts in the first development stages of plants; organic nitrogen is slowly released during the whole production cycle. BioNascor is ideal for cereals, horticultural crops and fruit trees. Its granulometry allows a distribution with spreaders or micro-granulators and transplanting machines. It can be applied both in furrow and at transplant (starter technique).

TYPE
Granular

PACKAGING





COMPOSITION

Nitrogen (N) organic	**5%**
Phosphorus (P_2O_5) total	**10%**
Potassium (K_2O) soluble in water	**1,5%**
Calcium (CaO)	**12%**
Sulfur (SO_3) soluble in water	**8%**
Iron (Fe)	**6%**
Organic carbon	**12%**

Color and density are indicative. For hazard warnings see page 156.

DENSITY
0,85 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	400-600 kg/ha	pre-sowing/seeding
Extensive crops	400-600 kg/ha	pre-sowing/seeding
Legumes	400-600 kg/ha	pre-sowing/seeding
Industrial crops (Tomato, potato, sugarbeet)	300-500 kg/ha	pre-sowing, pre-transplant; localized
Alfa alfa/ fodder crops	500-700 kg/ha	pre-sowing/seeding
Open field horticultural and in greenhouse	300-500 kg/ha	pre-sowing, pre-transplant

BioMaster

6.5.13+8CaO+16SO3+3Fe+20C-org

BioMaster is an NPK organo-mineral compound fertilizer allowed for organic farming and obtained by granulation of noble raw materials. The balanced content of nitrogen, phosphorus, potassium and sulphur makes it ideal for fruit trees, grapes and horticultural crops.

Its granulometry allows distributing BioMaster both with spreaders and micro-granulators (starter technique).

TYPE
Granular

PACKAGING

25

600



COMPOSITION

Nitrogen (N) organic	**6%**
Phosphorus (P_2O_5) soluble in mineral acids of which at least 55% soluble in formic acid 2%	**5%**
Potassium (K_2O) soluble in water	**13%**
Calcium (CaO)	**8%**
Sulfur (SO_3) soluble in water	**16%**
Iron (Fe)	**3%**
Organic carbon	**20%**

LOW CHLORINE

Color and density are indicative. For hazard warnings see page 156.

DENSITY
0,85 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Stone fruits	700-900 kg/ha	post-harvest/vegetative growth
Pome fruits	600-800 kg/ha	post-harvest/vegetative growth
Actinidia (Kiwi)	700-900 kg/ha	post-harvest/vegetative growth
Citrus trees	600-800 kg/ha	post-harvest/vegetative growth
Wine and table grape	600-900 kg/ha	post-harvest/vegetative growth
Oive tree	600-800 kg/ha	post-harvest/vegetative growth
Nut, Hazelnut , Chestnut	800-1000 kg/ha	post-harvest/vegetative growth
Straw cereals	400-600 kg/ha	pre-sowing/seeding
Extensive crops	400-600 kg/ha	pre-sowing/seeding
Legumes	400-600 kg/ha	pre-sowing/seeding
Horticultural in greenhouse	600-800 kg/ha	pre-sowing, pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	700-900 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	700-900 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	600-800 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	600-800 kg/ha	pre-sowing, pre-transplant
Cabbages	600-800 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	600-800 kg/ha	pre-sowing, pre-transplant

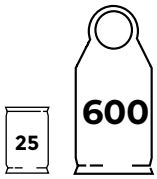
BioAger

4.6.10+10CaO+2MgO+16SO3+3Fe+12C-Org

BioAger is an NPK organo-mineral compound fertilizer allowed for organic farming obtained by the granulation of noble raw materials. The organic matrix of BioAger has a high nutritional value and is easily absorbed by microorganisms. The organic matrices provide organic nitrogen and organic humified carbon, essential elements to improve soil structure and plant growth.
It has a high content of glycine betaines, molecules that generally develop in conditions of environmental stress; they act as osmoprotectants in plants and increase their productivity. It contains slow-release sulphur which allows a better root development. The balanced content of nitrogen, phosphorus and potassium, and the presence of calcium, magnesium and sulphur make BioAger ideal for fruit trees, Wine grape, olive trees, and horticultural crops.

TYPE
Granular

PACKAGING





Color and density are indicative. For hazard warnings see page 156.

COMPOSITION

Nitrogen (N) organic	**4%**
Phosphorus (P_2O_5) soluble in mineral acids of which at least 55% soluble in formic acid 2%	**6%**
Potassium (K_2O) soluble in water	**10%**
Calcium (CaO)	**10%**
Magnesium (MgO) soluble in water	**2%**
Iron (Fe)	**3%**
Organic carbon	**12%**

LOW CHLORINE

DENSITY
0,85 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	400-600 kg/ha	pre-sowing/seeding
Extensive crops	400-600 kg/ha	pre-sowing/seeding
Legumes	400-600 kg/ha	pre-sowing/seeding
Horticultural in greenhouse	600-800 kg/ha	pre-sowing, pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	700-900 kg/ha	pre-sowing, pre-transplant
Other Open field horticultural	700-900 kg/ha	pre-sowing, pre-transplant
Leafy vegetables	600-800 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae	600-800 kg/ha	pre-sowing, pre-transplant
Cabbages	600-800 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	600-800 kg/ha	pre-sowing, pre-transplant
Stone fruits	700-900 kg/ha	post-harvest/vegetative growth
Pome fruits	600-800 kg/ha	post-harvest/vegetative growth
Actinidia (Kiwi)	700-900 kg/ha	post-harvest/vegetative growth
Citrus trees	600-800 kg/ha	post-harvest/vegetative growth
Wine grape	600-800 kg/ha	post-harvest/vegetative growth
Table grape	700-900 kg/ha	post-harvest/vegetative growth

Biorganic N11

11.0.0+40C-org

Biorganic is an organic nitrogen fertilizer obtained from high-quality raw materials permitted in organic farming. It contains a high level of organic nitrogen, 40% of which is water-soluble, meaning high bioavailability for soil microbial flora; furthermore, nitrogen in this form is easily mineralizable. 95% of the organic carbon contained in Biorganic is extractable and therefore made available to soil microbial flora. The high nitrogen and carbon content makes Biorganic ideal for fertilizing cereal crops.

TYPE
Flakes

PACKAGING

25 600



Color is indicative.

COMPOSITION

Nitrogen (N) organic	**11%**
of which soluble in water	5%
Organic carbon	**40%**
Extractable organic carbon (C) on total organic carbon	95%

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	400-600 kg/ha	pre-seeding
Extensive crops	600-800 kg/ha	pre-seeding
Rice	400-600 kg/ha	pre semina
Other Open field horticultural	600-800 kg/ha	pre-transplant
Leafy vegetables	400-600 kg/ha	pre semina / pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	500-700 kg/ha	pre-seeding
Horticultural in green house	600-800 kg/ha	pre-transplant
Acitinidia (kiwi)	700-800 kg/ha	post-harvest
Citrus trees	700-800 kg/ha	post-harvest
Olive tree	500-700 kg/ha	post-harvest
Wine and table grape	500-700 kg/ha	post-harvest

Biocere 533

5.3.3+20C-Org

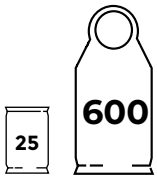
BioCere is a pelleted organo-mineral NPK fertilizer made from premium raw materials permitted in organic farming. The pellet is suitable for spreader application, and the ratio of nitrogen, phosphorus, and potassium makes the formulation particularly suitable for fertilizing fruit crops, vines, and vegetables.



TYPE
Pellet



PACKAGING





Color is indicative.

COMPOSITION

Nitrogen (N) organic	**5%**
Phosphorus (P_2O_5) total	**3%**
Potassium (K_2O) soluble in water	**3%**
Organic carbon	**20%**

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	500-600 kg/ha	pre-seeding
Extensive crops	600-700 kg/ha	pre-seeding
Rice	600-700 kg/ha	pre semina
Other Open field horticultural	800-1000 kg/ha	pre-transplant
Leafy vegetables	600-700 kg/ha	pre semina / pre-transplant
Industrial crops (Tomato, potato, sugarbeet)	600-700 kg/ha	pre-seeding
Horticultural in green house	700-800 kg/ha	pre-transplant
Acitinidia (kiwi)	600-800 kg/ha	post-harvest
Citrus trees	600-800 kg/ha	post-harvest
Olive tree	800-1000 kg/ha	post-harvest
Wine and table grape	600-800 kg/ha	post-harvest



SPECIALITY
THE FUTURE IS HERE

Family of special granular fertilizers characterized by a different type of release of nutrients (more specifically for nitrogen).

Speciality line fertilizers are produced with high-quality raw materials and contain soluble and assimilable phosphorus.

The formulation of Speciality fertilizers guarantees greater agronomic efficiency with a reduction of nitrogen losses by leaching and volatilization. The different forms of nitrogen guarantee prolonged availability over time throughout the crop cycle. Furthermore, the combination of nitrogen and sulfur brings a higher protein content in cereal crops and better nitrogen absorption in all other crops limiting its losses.

The fertilizers of the Speciality family are divided into two nitrogen types:

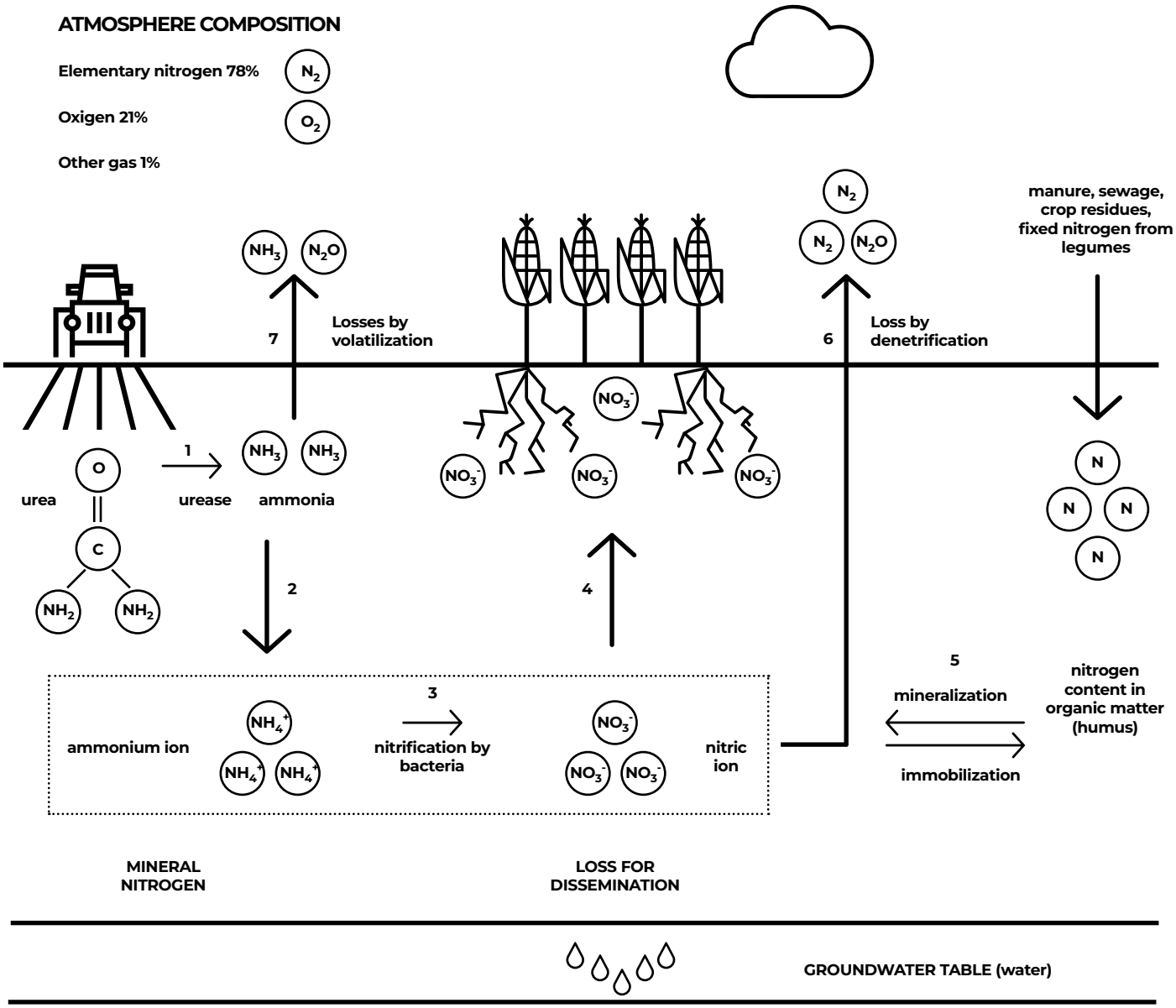
- **Stabilized nitrogen**
- **Activated nitrogen**

Speciality nitrogen stabilized products contain a urease inhibitor (the enzyme responsible for the transformation of urea in the soil), a technology that increases urea use efficiency by limiting nitrogen volatilization losses.

Activated nitrogen products allow a gradual and progressive release of nitrogen. Activation occurs through the use of amino acids.

THE NITROGEN CYCLE

From fertilization to absorption by plants, much of this element does not reach its destination



Today over 46% of the nitrogen used in agriculture is distributed in the form of urea which, however, does not always manage to maximize its efficiency. When we distribute urea in the field, if in the following days there are no rains, the fertilizer remains concentrated in the first centimeters of soil and is subject to loss due to volatilization because urea is hydrolyzed in ammonia (volatile compound) and in carbon dioxide.

If this transformation takes place in the soil, in the first 15-20 cm, ammonia reacts with water and turns into ammoniacal nitrogen (NH4+) retained by soil colloids. Lastly, the ammoniacal nitrogen is transformed into nitric nitrogen (NO3-) by nitrifying bacteria

This form of nitrogen is the one primarily absorbed by the roots of the plants but is not retained by the soil, therefore it is subject to leaching in case if heavy rain or irrigation. In conditions of water stagnation or soil compaction, the denitrification process can be triggered which leads to the loss of nitrogen in the atmosphere (N2 and NOx).

Organic nitrogen is subject to mineralization processes while the mineral component can be immobilized in the organic matter depending on the soil carbon/nitrogen ratio

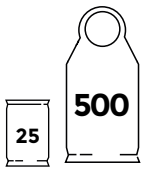
Evolution 56

38.0.0+18SO3 ACTIVATED WITH AMINO ACIDS

Evolution 56 is a granulated nitrogen-based fertilizer activated **with amino acids** obtained from enzymatic hydrolysis. It has a high sulphur content which, in synergy with nitrogen, guarantees a higher protein content in many crops. The activated formulation (urea nitrogen plus ammoniacal nitrogen) allows a gradual and progressive release of nitrogen; the ammonia fraction is already available from the first vegetative phases, while urea nitrogen will become available in the forms assimilable by the plant at a later stage. Its formulation increases the absorption of potassium, the organoleptic qualities of plants, the efficiency of use of nutritive elements and it respects the environment.

TYPE
Granular

PACKAGING





Activated with amino acids by enzymatic hydrolysis.
Color and density are indicative. For hazard warnings see page 146.

COMPOSITION

Nitrogen (N) total	**38%**
of which Nitrogen Ureic	32%
of which Nitrogen Ammoniacal	6%
Sulfur (SO_3) soluble in water	**18%**

DENSITY
0,76 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	150-250 kg/ha	top dressing
Extensive crops	200-300 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus trees	300-400 kg/ha	from vegetative growth
Wine grape	200-300 kg/ha	vegetative growth
Table grape	300-400 kg/ha	from vegetative growth
Oive oil	200-300 kg/ha	vegetative growth
Table olive	200-300 kg/ha	vegetative growth

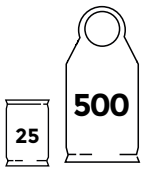
CereaS 38

38.0.0+18SO3

Cereas 38 is a nitrogen-based fertilizer obtained by blending. It has a high content of ureic nitrogen. The combination of ureic and ammoniacal nitrogen in synergy with sulphur guarantees a high nutritional value for plants (increase in protein content in cereal crops). Its formulation allows a maximum absorption of nitrogen.
It is ideal for winter cereal crops.

TYPE
Granular

PACKAGING





Color and density are indicative. For hazard warnings see page 146.

COMPOSITION

Nitrogen (N) total	**38%**
of which Nitrogen Ureic	32%
of which Nitrogen Ammoniacal	6%
Sulfur (SO_3) soluble in water	**18%**

DENSITY
0,76 kg/dm^3

DOSAGES AND USES

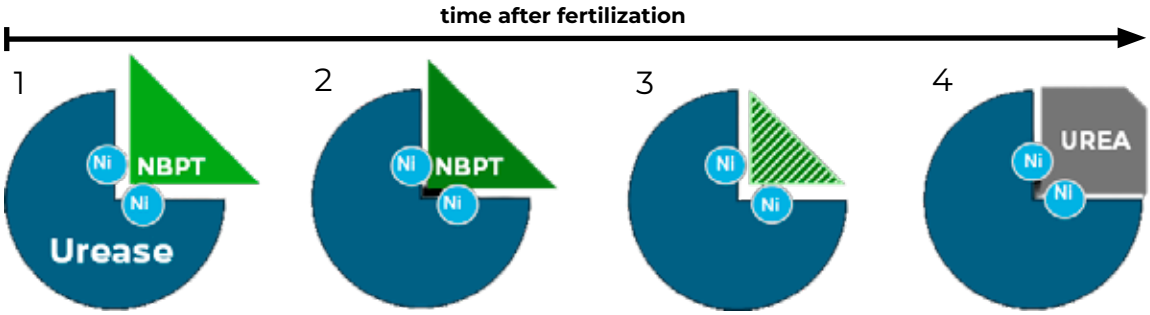
CROPS	DOSAGES	PERIOD
Straw cereals	200-300 kg/ha	top dressing
Extensive crops	250-350 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus trees	300-400 kg/ha	from vegetative growth
Wine grape	250-350 kg/ha	vegetative growth
Table grape	300-400 kg/ha	from vegetative growth
Oive oil	250-350 kg/ha	vegetative growth
Table olive	250-350 kg/ha	vegetative growth
Fruit trees	200-300 kg/ha	vegetative growth

STABILIZED NITROGEN

Many of the nitrogen fertilizers in the SPECIALITY family feature a gradual release of nitrogen, thanks to the presence of a urease enzyme inhibitor (**NBPT**) in the soil.

This slows urea hydrolysis, resulting in reduced losses due to nitrogen volatilization.

Slowing this process extends the time available for dissolved urea to be incorporated into the soil through rainfall or irrigation.



The NBPT molecules replace the urea in the active site of urease (1), which will be released again only following the degradation of the NBPT itself (2-3).
The hydrolysis process, restarting (4), will allow the urea found in the soil to transform into nitrogenous forms available to the plant, reducing losses through volatilization.

Benefits of using NBPT in our fertilizers

1. Greater nitrogen efficiency (**REDUCTION OF LOSSES BY VOLATILIZATION**) with decrease in dosages and number of interventions (**MAXIMUM BENEFIT AT LOWER COST**)

2. Increased production efficiency (**GREATER AVAILABILITY OF THE ELEMENT FOR THE PLANT**)

3. Better vegetative-productive ratio (**STABILIZATION OF THE ELEMENT IN TIME**)

4. Compared to other urease inhibitors, NBPT is **more stable** in different types of soil, **more effective** and has a **longer duration of action** under different conditions (hot and dry climate, etc.).

CereaSlow 33

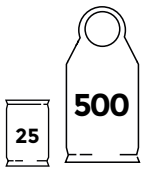
33.0.0+30SO3 with NBPT

AZOTO STABILIZZATO

CereaSlow 33 is a nitrogen-based fertilizer obtained by blending with ureic nitrogen stabilised with NBPT. This is a molecule that inhibits the activity of urease enzyme in the soil, reducing losses by volatilization up to 30%. NBPT is applied to the granules through a coating process which allows to cover them uniformly, increasing their effectiveness. The high sulphur content, in synergy with nitrogen, favours the protein synthesis processes in the plant.
It is ideal for the fertilization of cereal crops.

TYPE
Granular

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) total	**33%**
of which Nitrogen Ureic	23%
of which Nitrogen Ammoniacal	10%
Sulfur (SO_3) soluble in water	**30%**

DENSITY
0,80 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	200-300 kg/ha	top dressing
Extensive crops	250-350 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus trees	300-400 kg/ha	from vegetative growth
Wine grape	250-350 kg/ha	vegetative growth
Table grape	300-400 kg/ha	from vegetative growth
Oive oil	250-350 kg/ha	vegetative growth
Table olive	250-350 kg/ha	vegetative growth
Fruit trees	200-300 kg/ha	vegetative growth

CereaSlow 40

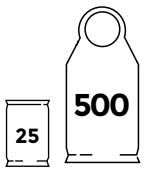
40.0.0+13SO_3 with NBPT

AZOTO STABILIZZATO

CereaSlow 40 is a nitrogen-based fertilizer obtained by blending with ureic nitrogen stabilized with NBPT. This is a molecule that inhibits the activity of urease enzyme in the soil, reducing losses by volatilization up to 30%. NBPT is applied to the granules through a coating process which allows to cover them uniformly, increasing their effectiveness. The combination of ureic and ammoniacal nitrogen, in synergy with sulphur, favours protein synthesis processes in the plant.
It is ideal for the fertilization of cereal and extensive crops.

TYPE
Granular

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) total	**40%**
of which Nitrogen Ureic	35%
of which Nitrogen Ammoniacal	5%
Sulfur (SO_3) soluble in water	**13%**

DENSITY
0,75 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	200-300 kg/ha	top dressing
Extensive crops	250-350 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus trees	250-350 kg/ha	from vegetative growth
Wine grape	250-350 kg/ha	vegetative growth
Table grape	250-350 kg/ha	from vegetative growth
Oive oil	250-350 kg/ha	vegetative growth
Table olive	250-350 kg/ha	vegetative growth
Fruit trees	200-300 kg/ha	vegetative growth

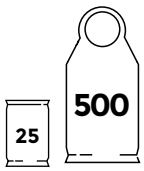
CereaSlow 46

46.0.0 with NBPT

CereaSlow 46 is a nitrogen-based fertilizer obtained by blending ureic nitrogen stabilized with NBPT. This is a molecule that inhibits the activity of urease enzyme in the soil, reducing losses by volatilization up to 30%. NBPT is applied to the granules through a coating process which allows to cover them uniformly, increasing their effectiveness.
It is ideal for the fertilization of cereal crops.

TYPE
Granular

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) Ureic	**46%**

DENSITY
0,70 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	150-250 kg/ha	top dressing
Extensive crops	250-400 kg/ha	top dressing
Open field horticultural	200-350 kg/ha	top dressing
Citrus trees	250-350 kg/ha	from vegetative growth
Wine grape	200-300 kg/ha	vegetative growth
Table grape	200-300 kg/ha	from vegetative growth
Oive oil	200-300 kg/ha	vegetative growth
Table olive	200-300 kg/ha	vegetative growth
Fruit trees	200-300 kg/ha	vegetative growth

StarSlow

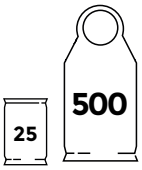
30.15+2MgO with NBPT

AZOTO STABILIZZATO

StarSlow is an NP granular fertilizer obtained by blending ureic nitrogen stabilized with NBPT. This is a molecule that inhibits the activity of urease enzyme in the soil, reducing losses by volatilization up to 30%. NBPT is applied to the granules through a coating process which allows to cover them uniformly, increasing their effectiveness.
StarSlow has a high phosphorus content which is water-soluble and easy to be absorbed by the plant.
It is ideal for pre-sowing or localized applications.

TYPE
Granular

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) total	**30%**
of which Nitrogen Ureic	24%
of which Nitrogen Ammoniacal	6%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**15%**
of which soluble in water	14%
Magnesium (MgO)	**2%**

DENSITY
0,94 kg/dm^3

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	250-300 kg/ha	pre-sowing
Extensive crops	300-350 kg/ha	pre-sowin / mechanical weed
Open field horticultural	250-350 kg/ha	pre-sowing, pre-transplant

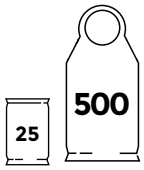
Più Sprint

24.9.5+5CaO+2MgO+10SO3 with NBPT

Più Sprint is a nitrogen fertilizer obtained by blending ureic nitrogen stabilized with NBPT. This molecule inhibits the urease activity of the soil, preventing volatilization losses and reducing them by up to 30%. NBPT is applied to the granule through a coating process that allows the granules to be uniformly covered, increasing their use efficiency. The high water solubility of the other components combined with the high quality of potassium makes this product extremely effective in a wide range of applications..

TYPE
Granular

PACKAGING





Color and density are indicative

COMPOSITION

Nitrogen (N) total	**24%**
of which Nitrogen Ureic of which Nitrogen Ammoniacal	20,5% 3,5%
Phosphorus (P_2O_5) soluble in neutral ammonium citrate and water	**9%**
of which soluble in water	8%
Potassium (K) soluble in water	**5%**
Sulfur (SO_3) soluble in water	**10%**
Calcium (CaO) soluble in water	**5%**
Magnesium (MgO) soluble in water	**2%**
Boron (B) soluble in water	**0,01%**
Iron (Fe) soluble in water	**0,02%**
Manganese (Mn) soluble in water	**0,01%**
Zinc (Zn) soluble in water	**0,002%**

DENSITY
0,98 kg/dm³

DOSAGES AND USES

CROPS	DOSAGES	PERIOD
Straw cereals	200-250 kg/ha	top dressing
Extensive crops	200-300 kg/ha	pre-sowing / mechanical weed
Open field horticultural	200-400 kg/ha	top dressing
Stone fruits	350-450 kg/ha	vegetative growth
Pome fruits	300-400 kg/ha	vegetative growth
Nut, Hazelnut , Chestnut	300-400 kg/ha	vegetative growth
Actinidia (kiwi)	350-450 kg/ha	vegetative growth
Citrus trees	300-400 kg/ha	vegetative growth
Wine grape	300-400 kg/ha	vegetative growth
Table grape	350-450 kg/ha	vegetative growth
Oive oil	300-400 kg/ha	vegetative growth
Table olive	350-450 kg/ha	vegetative growth



WATER SOLUBLE



FERTIGATION

Water-soluble fertilizer



FERTIGATION
WATER-SOLUBLE FERTILIZER

FERTIGATION line is characterized by low salinity products suitable for the various phenological phases of cultivation and that can be applied both in fertigation and leaf treatments.

The absence of chlorine, sodium and other substances harmful to the plant makes them particularly suitable for different types of use.

Fertigation fertilizers have the ability to lower the soil acidity and they are highly soluble.

Fertigation 20.20.20

Fertigation 20.20.20 is a water-soluble NPK crystalline fertilizer that can be applied in fertigation.
The balanced nitrogen, phosphorus, and potassium ratio makes it available for all stages of the crop cycle by providing a balanced nutrition. Nitrogen is present in three forms (nitric, ammoniacal, ureic) that ensure a constant release throughout the whole crop cycle. The high phosphorus content improves the root system.

It contains microelements chelated with EDTA, that guarantee an easier assimilation preventing possible deficiencies and favouring biochemical processes.
It is particularly indicated for horticultural crops and fruit trees.

TYPE
Cristallino

PACKAGING

10 25



COMPOSITION

Nitrogen (N) total	**20%**
of which ammoniacal of which ureic of which nitrico	4% 10,1% 5,9%
Phosphorus (P_2O_5) soluble in water	**20%**
Potassium (K_2O) soluble in water	**20%**
Boron (B) soluble in water	**0,02%**
Iron (Fe) chelated EDTA	**0,07%**
Manganese (Mn) chelated EDTA	**0,03%**
Molybdenum (Mo) soluble in water	**0,003%**
Zinc (Zn) chelated EDTA	**0,05%**

Color and density are indicative. For hazard warnings see page 146.

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION	FOLIAR G/HL	PERIOD
Stone fruits	30-50 kg/ha	250-300 g/hl	All vegetative stages
Pome fruits	30-50 kg/ha	250-300 g/hl	All vegetative stages
Citrus trees	30-50 kg/ha	250-300 g/hl	All vegetative stages
Wine grape	30-50 kg/ha	250-300 g/hl	All vegetative stages
Table grape	30-50 kg/ha	250-300 g/hl	All vegetative stages
Olive tree	30-50 kg/ha	250-300 g/hl	All vegetative stages
Nut, Hazelnut , Chestnut	30-50 kg/ha	250-300 g/hl	All vegetative stages
Horticultural in greenhouse	3,5-5 kg/1000 m2	200-250 g/hl	All vegetative stages
Open field horticultural	30-50 kg/ha	250-300 g/hl	All vegetative stages

Fertigation 10.40.10

Fertigation 10.40.10 is a water-soluble NPK crystalline fertilizer that can be applied in fertigation. The high phosphorus content helps the root development of the plant and the first growth stages after transplant. Magnesium helps to improve physiological processes, such as photosynthesis. It contains microelements chelated with EDTA, that ensure an easier assimilation preventing possible deficiencies and favouring biochemical processes.

TYPE
Cristallino

PACKAGING

10 25



Color and density are indicative

COMPOSITION

Nitrogen (N) total	**10%**
of which ammoniacal of which nitrico	7,8% 2,2%
Phosphorus (P_2O_5) soluble in water	**40%**
Potassium (K_2O) soluble in water	**10%**
Magnesium (MgO) soluble in water	**2%**
Boron (B) soluble in water	**0,01%**
Iron (Fe) chelated EDTA	**0,03%**
Manganese (Mn) chelated EDTA	**0,01%**
Molybdenum (Mo) soluble in water	**0,001%**
Zinc (Zn) chelated EDTA	**0,02%**

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION	FOLIAR G/HL	PERIODO
Stone fruits	30-50 kg/ha	250-300 g/hl	vegetative growth, swelling and hardening of the hazel
Pome fruits	30-50 kg/ha	250-300 g/hl	from vegetative growth to flowering
Citrus trees	30-50 kg/ha	250-300 g/hl	from vegetative growth to flowering
Wine grape	30-50 kg/ha	250-300 g/hl	from vegetative growth to flowering
Table grape	30-50 kg/ha	250-300 g/hl	from vegetative growth to flowering
Olive tree	30-50 kg/ha	250-300 g/hl	from vegetative growth to flowering
Nut, Hazelnut , Chestnut	30-50 kg/ha	250-300 g/hl	from vegetative growth to flowering
Horticultural in greenhouse	3,5-5 kg/1000 m2	200-250 g/hl	from post-transplant
Open field horticultural	30-50 kg/ha	250-300 g/hl	from post-transplant

Fertigation 15.5.26

Fertigation 15.5.26 is a water-soluble NPK crystalline fertilizer. The high potassium content supports the plant at fruit set. Magnesium helps to improve some physiological processes in the plant, such as photosynthesis. It contains microelements chelated with EDTA, that ensure an easier assimilation preventing possible deficiencies and favouring biochemical processes.
It can be applied in fertigation.

TYPE
Cristallino

PACKAGING

10 25



Color and density are indicative

COMPOSITION

Nitrogen (N) total	**15%**
of which ammoniacal of which ureic of which nitrico	5,4% 2,6% 7%
Phosphorus (P_2O_5) soluble in water	**5%**
Potassium (K_2O) soluble in water	**26%**
Magnesium (MgO) soluble in water	**2%**
Boron (B) soluble in water	**0,01%**
Iron (Fe) chelated EDTA	**0,03%**
Manganese (Mn) chelated EDTA	**0,01%**
Molybdenum (Mo) soluble in water	**0,001%**
Zinc (Zn) chelated EDTA	**0,02%**

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION	FOLIAR G/HL	PERIODO
Stone fruits	30-50 kg/ha	250-300 g/hl	from veraison
Pome fruits	30-50 kg/ha	250-300 g/hl	from veraison
Citrus trees	30-50 kg/ha	250-300 g/hl	from fruit swelling
Wine grape	30-50 kg/ha	250-300 g/hl	from veraison
Table grape	30-50 kg/ha	250-300 g/hl	from veraison
Olive tree	30-50 kg/ha	250-300 g/hl	from veraison
Nut, Hazelnut , Chestnut	30-50 kg/ha	250-300 g/hl	from fruit swelling
Horticultural in greenhouse	3,5-5 kg/1000 m2	200-250 g/hl	from veraison
Open field horticultural	30-50 kg/ha	250-300 g/hl	from veraison
Leafy vegetables	30-50 kg/ha	250-300 g/hl	from half cycle

Fertigation 17.6.21

Fertigation 17.6.21 is a water-soluble NPK crystalline fertilizer. The high nitrogen and potassium formulation supports the plant during fruit set. Thanks to the different forms of nitrogen (nitric, ammoniacal, ureic), it guarantees a constant intake of the nutrient throughout the whole crop cycle.

Calcium helps to prevent some physiopathologies such as blossom-end rot in tomato/pepper/melon, tip burn in lettuce, bitter-pit in apple trees. It contains microelements chelated with EDTA, that ensure an easier assimilation preventing possible deficiencies and favouring biochemical processes. It can be applied in fertigation.

TYPE
Cristallino

PACKAGING

10 25



COMPOSITION

Nitrogen (N) total	**17%**
of which ammoniacal of which ureic of which nitrico	0,6% 5,8% 10,6%
Phosphorus (P_2O_5) soluble in water	**6%**
Potassium (K_2O) soluble in water	**21%**
Calcium (CaO) soluble in water	**8%**
Boron (B) soluble in water	**0,01%**
Iron (Fe) chelated EDTA	**0,03%**
Manganese (Mn) chelated EDTA	**0,01%**
Molybdenum (Mo) soluble in water	**0,001%**
Zinc (Zn) chelated EDTA	**0,02%**

Color and density are indicative. For hazard warnings see page 156.

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION	FOLIAR G/HL	PERIODO
Stone fruits	30-50 kg/ha	250-300 g/hl	from veraison
Pome fruits	30-50 kg/ha	250-300 g/hl	from veraison
Citrus trees	30-50 kg/ha	250-300 g/hl	from fruit swelling
Wine grape	30-50 kg/ha	250-300 g/hl	from veraison
Table grape	30-50 kg/ha	250-300 g/hl	from veraison
Olive tree	30-50 kg/ha	250-300 g/hl	from veraison
Nut, Hazelnut , Chestnut	30-50 kg/ha	250-300 g/hl	from fruit swelling
Horticultural in greenhouse	3,5-5 kg/1000 m2	200-250 g/hl	from veraison
Open field horticultural	30-50 kg/ha	250-300 g/hl	from veraison
Leafy vegetables	30-50 kg/ha	250-300 g/hl	from half cycle

Fertigation 7.15.30

Fertigation 7.15.30 is a water-soluble NPK crystalline fertilizer. The high phosphorus and potassium formulation makes it ideal for the fertilization of horticultural crops before transplant. Magnesium helps to improve physiological processes of the plant, such as photosynthesis. It contains microelements chelated with EDTA, that ensure an easier assimilation preventing possible deficiencies and favouring biochemical processes. It can be applied in fertigation.

TYPE
Cristallino

PACKAGING

10 25



Color and density are indicative

COMPOSITION

Nitrogen (N) total	**7%**
of which ammoniacal of which ureic of which nitrico	1,8% 0,8% 4,4%
Phosphorus (P_2O_5) soluble in water	**15%**
Potassium (K_2O) soluble in water	**30%**
Magnesium (MgO) soluble in water	**2%**
Boron (B) soluble in water	**0,01%**
Iron (Fe) chelated EDTA	**0,03%**
Manganese (Mn) chelated EDTA	**0,01%**
Molybdenum (Mo) soluble in water	**0,001%**
Zinc (Zn) chelated EDTA	**0,02%**

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION	FOLIAR G/HL	PERIODO
Stone fruits	30-50 kg/ha	250-300 g/hl	from unripe fruit
Pome fruits	30-50 kg/ha	250-300 g/hl	from unripe fruit
Citrus trees	30-50 kg/ha	250-300 g/hl	from unripe fruit
Wine grape	30-50 kg/ha	250-300 g/hl	from bunch elongation
Table grape	30-50 kg/ha	250-300 g/hl	from bunch elongation
Olive tree	30-50 kg/ha	250-300 g/hl	from unripe fruit
Nut, Hazelnut , Chestnut	30-50 kg/ha	250-300 g/hl	from unripe fruit
Horticultural in greenhouse	3,5-5 kg/1000 m2	200-250 g/hl	from unripe fruit
Open field horticultural	30-50 kg/ha	200-250 g/hl	from unripe fruit
Leafy vegetables	30-50 kg/ha	200-250 g/hl	from half cycle

Fertigation 30.10.10

Fertigation 30.10.10 is a water-soluble NPK crystalline fertilizer. The high nitrogen content makes it ideal during the vegetative development stages before blossoming. Thanks to the different forms of nitrogen (nitric, ammoniacal, ureic), it guarantees a constant intake of the nutrient throughout the whole crop cycle.
It contains microelements chelated with EDTA, that ensure an easier assimilation preventing possible deficiencies and favouring the biochemical processes of the plant. It can be applied in fertigation.

TYPE
Cristallino

PACKAGING

10 25



COMPOSITION

Nitrogen (N) total	**30%**
of which ammoniacal of which ureic of which nitrico	4,2% 22,8% 3%
Phosphorus (P_2O_5) soluble in water	**10%**
Potassium (K_2O) soluble in water	**10%**
Boron (B) soluble in water	**0,02%**
Iron (Fe) chelated EDTA	**0,07%**
Manganese (Mn) chelated EDTA	**0,03%**
Molybdenum (Mo) soluble in water	**0,003%**
Zinc (Zn) chelated EDTA	**0,05%**

Color and density are indicative. For hazard warnings see page 156.

LOW CHLORINE

DOSAGES AND USES

CROPS	FERTIGATION	FOLIAR G/HL	PERIODO
Stone fruits	30-50 kg/ha	250-300 g/hl	vegetative development
Pome fruits	30-50 kg/ha	250-300 g/hl	vegetative development
Citrus trees	30-50 kg/ha	250-300 g/hl	vegetative development
Wine grape	30-50 kg/ha	250-300 g/hl	from 5cm sprout to visible cluster
Table grape	30-50 kg/ha	250-300 g/hl	from 5cm sprout to visible cluster
Olive tree	30-50 kg/ha	250-300 g/hl	all vegetative stages
Nut, Hazelnut , Chestnut	30-50 kg/ha	250-300 g/hl	vegetative development
Horticultural in greenhouse	3,5-5 kg/1000 m2	200-250 g/hl	first vegetative stages
Open field horticultural	30-50 kg/ha	200-250 g/hl	first vegetative stages
Leafy vegetables	30-50 kg/ha	200-250 g/hl	post-transplant to half cycle


TESI 3 A
TESI 4 A
TESI 4 B

HAZARD WARNINGS

SPECIAL NUTRITION

B-Power	**H360FD** Suspected of damaging fertility or the unborn child. Restricted to professional users.	
Calciomagno	**H302:** Harmful if swallowed; **H318:** Causes serious eye damage; **EUH071:** Corrosive to the respiratory tract	
Calcito	**H314:** Causes severe skin burns and eye damage	
Color MgZn	**H411:** Toxic to aquatic life with long lasting effects; **H319:** Causes serious eye irritation	
Crisco	**H317:** May cause an allergic skin reaction; **H412:** Harmful to aquatic life with long lasting effects	
Edafos	**H302:** Harmful if swallowed; **H314:** Causes severe skin burns and eye damage	
Febo Bio	**H360FD:** Suspected of damaging fertility or the unborn child; **H373:** May cause damage to organs through prolonged or repeated exposure; **H318:** Causes serious eye damage; **H411:** Toxic to aquatic life with long lasting effects	
Febo Mix	**H360FD:** Suspected of damaging fertility or the unborn child; **H317:** May cause an allergic skin reaction; **H318:** Causes serious eye damage; **H411:** Toxic to aquatic life with long lasting effects	
Focus Ca	**H302:** Harmful if swallowed; **H314:** Causes severe skin burns and eye damage	
Glycos Plus	**H360FD:** Suspected of damaging fertility or the unborn child; Restricted to professional users	
HydroStar BTC	**EUH210:** Safety data sheet available on request	
HydroNova BTC	**H319:** Causes serious eye irritation	
HydroCore BTC	**H319:** Causes serious eye irritation	
Leaf K	**EUH210:** Safety data sheet available on request	
Leaf P-Ca	**H302:** Harmful if swallowed; **H314:** Causes severe skin burns and eye damage	
Leaf N	**H360FD:** Suspected of damaging fertility or the unborn child; Restricted to professional users	
MagnetiCal	**H319:** Toxic to aquatic life with long lasting effects	
Leaf S-Quality	**EUH210:** Safety data sheet available on request	
Nano.T Fe	**H314:** Causes severe skin burns and eye damage	
Nano.T Fe Bio	**H314:** Causes severe skin burns and eye damage	

Nano.T Cu 4.5	**H302:** Harmful if swallowed; **H315:** Causes skin irritation; **H319:** Causes serious eye irritation; **H400:** Very toxic to aquatic life; **H411:** Toxic to aquatic life with long lasting effects	
Nano.T Cu Bio	**H318:** Causes serious eye damage; **H410:** Molto Toxic to aquatic life with long lasting effects	
Nano.T Cu-Zn	**H318:** Causes serious eye damage; **H319:** Causes serious eye irritation; **H400:** Very toxic to aquatic life; **H411:** Toxic to aquatic life with long lasting effects	
NanoT. CaPO	**H319:** Causes serious eye irritation	
Nano.T Carbo	**H315:** Causes skin irritation; **H319:** Causes serious eye irritation	
Nano.T Total	**H314:** Causes severe skin burns and eye damage	
Nano.T Zn	**H318:** Causes serious eye damage; **H411:** Toxic to aquatic life with long lasting effects	
Oro-B	**H360FD:** Suspected of damaging fertility or the unborn child;	
Proser Ca	**H314:** Causes severe skin burns and eye damage	
Proser MnZn	**H318:** Causes serious eye damage; **H411:** Toxic to aquatic life with long lasting effects	
BiZzar	**H360FD:** Suspected of damaging fertility or the unborn child; **H318:** Causes serious eye damage; **H411:** Toxic to aquatic life with long lasting effects	
Verv Plus	**H319:** Causes serious eye irritation; **H412:** Harmful to aquatic life with long lasting effects **H360FD** Suspected of damaging fertility or the unborn child. Restricted to professional users	
VigorGreen	**H360FD** Suspected of damaging fertility or the unborn child. Restricted to professional users	

GRANULAR

ACTIVE **ACTIVE PREMIUM**	**H318:** Causes serious eye damage	
FERT **FERT PREMIUM**	**H318:** Causes serious eye damage	
NUECR4	**H318:** Causes serious eye damage	
ORGANIC	**H315:** Causes skin irritation; **H319:** Causes serious eye irritation	

WATER-SOLUBLE

Fertigation NPK 17.6.21	**H302:** Harmful if swallowed; **H318:** Causes serious eye damage	
Fertigation NPK 20.20.20	**EUH210:** Safety data sheet available on request	
Fertigation NPK 30.10.10	**EUH210:** Safety data sheet available on request	

NOTES





CEREA FCP

PRODUCTS CATALOGUE

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