Grow well to eat better.

Innovation and tradition
in the agri-food sector.

www.fcpcerea.it

PRODUCTS CATALOGUE


I BENEFICI DEI DUE MONDI
VINFRUTTO
I BENEFICI DEI DUE MONDI
ORTOFRUTTO SPECIAL
I BENEFICI DEI DUE MONDI
OLIVO
EFFETTO STARTER
SUPERPOWER
CEREA FCP
LA GOCCIA CHE MANCAVA
FERTIGATION
PER UN'AGRICOLTURA PIÙ BIO
ORGANIC
IL NUOVO CHE AVANZA
SPECIALITY
NUECR4
AMORE PER LA TUA COLTURA
ACTIVE
EFFETTO STARTER
POWER
I BENEFICI DEI DUE MONDI
FERT

Index

SPECIAL NUTRITION

NANO.T - Nanofertilizer

REACTIVE - Meso & microelements

FUTURA - Biostimulant action

LEAF - NPK liquid fertilizers

GRANULAR

POWER - Microgranular fertilizers

ORGANIC - Fertilizers for organic agriculture

FERT PREMIUM - Organomineral fertilizers

FERT - Organomineral fertilizers

ACTIVE PREMIUM - Mineral fertilizers

ACTIVE - Mineral fertilizers

SPECIALITY - Nitrogen fertilizers

WATER-SOLUBLE

FERTIGATION

" The information and technical characteristics of the products shown are indicative and not binding for the seller"

VISION

Together with the farmer for sustainable agriculture.

MISSION

Feeding the plant, respecting the environment and guaranteeing quantity, quality and healthiness of agricultural production.

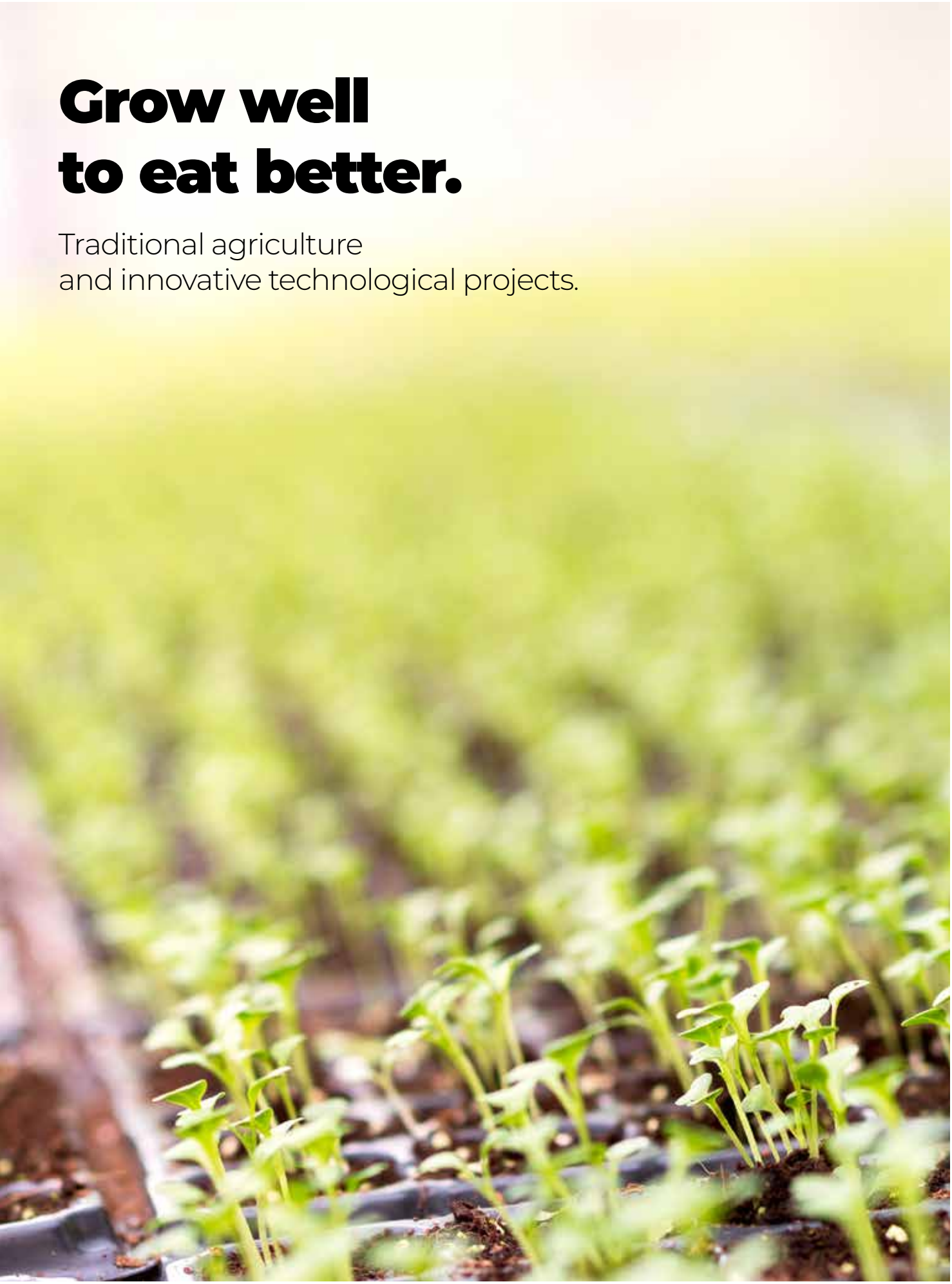
The use of renewable sources, a contiuous R&D activity and the development of "innovative fertilizers" allow us every day to progress towards a more integrated and evolved agriculture

VALUES

Integrity, transparency, quality, innovation, passion, mutuality..

Grow well to eat better.

Traditional agriculture
and innovative technological projects.



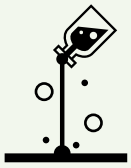
The factory

FCP

Fabbrica Cooperativa Perfosfati was founded

1908

1910



New products

SULFURIC ACID AND SUPERPHOSPHATE

First production of sulfuric acid and superphosphate

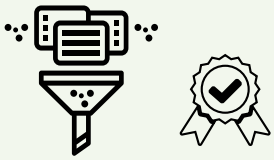
New fertilizers

GRANULAR FERTILIZERS

Beginning of production of granular fertilizers

1952

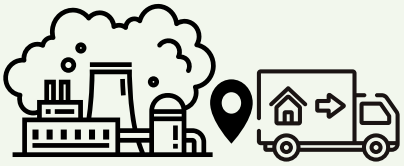
1977



Tailor-made products

MIXING SYSTEM

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



New site

FCP BONAVICINA

New office and factory: from Cerea to Bonavicina

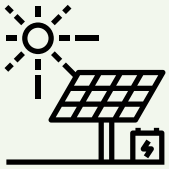
90's

New production

ORGANO-MINERAL FERTILIZERS

Beginning of production of organo-mineral fertilizers

1995

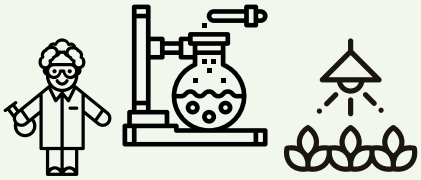


Eco - friendly

SOLAR SYSTEM

Construction of a solar system on the roof of the factory (power of 0.8 MW)

2008

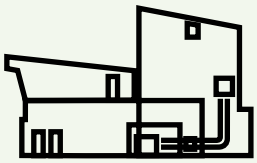


Quality control, R&D, experimentation

NEW AGRONOMIC LABORATORY

Setting up of a new agronomic laboratory with a growth chamber for R&D activities. Renewed chemical laboratory for quality control of fertilizers and raw materials

2014

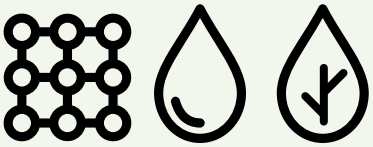


New production

COATING PLANT

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

2018



New technology

NANO.T ©

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

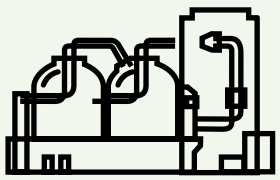
2020

Eco - friendly and safety

CIRCULAR ECONOMY AND SAFETY

The company is at the forefront from a circular economy perspective, because we agree to use raw materials from renewable sources.
The company today is equipped with modern facilities which allow energy efficiency and an improved workplace safety

2021



New plant

SPECIAL NUTRITION

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

2023

Cerea FCP today

Cerea FCP is a **cooperative founded by farmers** in 1908 and, as then, also today it produces fertilizers for its own members and other farmers.

The production factory is in the middle of the Po Valley, in one of the most important Italian agricultural areas, near the biggest motorways of the country and near the ports: a **strategic logistic position**

Cerea FCP deals with **plant nutrition** and produces granular (mineral and organo-mineral), water-soluble and special (macro, meso and micro-elements and biostimulants) fertilizers.

It has a **granulation plant, a mixing system, two packaging plants with double screening and dedusting, a coating plant and one for the production of liquid fertilizers** to be applied by fertigation and foliar application. All plants are computerized and automated to ensure maximum flexibility and timeliness to satisfy customers' requests.

Cerea FCP is able **to create specific formulations** based on the soil characteristics and cultural requirements to meet the needs of individual farmers. For this reason, it is equipped with laboratories for quality control of raw materials and fertilizers, but above all it has **a laboratory (chemical and agronomic) in which it performs R&D of the new formulations.**

The choice of producing renewable energy (installation of 800 Watt solar system in 2008), the concrete application of the circular economy (use of secondary raw materials and recycling) and the adoption of an energy efficiency plant (started in 2018) led Cerea FCP **to improve the company's ecological footprint with a view on sustainable development.**

Today it is present with its products (granular, water-soluble, and liquid fertilizers for special nutrition) **throughout the Italian territory.** The company **exports both to countries in the EU and outside the EU** (Eastern Europe, Central and South America, North Africa and the Middle East).

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www.fcpcerea.it

The goal that the company aims with its own website (www.fcpcerea.it) is to make it the tool for anyone who wants information on products, commercial campaigns, research projects, and any other Cerea FCP initiative

A tool through which spreading the knowledge and philosophy of the company, and at the same time an effective way to inform and communicate with all the possible interlocutors whether they are resellers, farmers, agronomists, researchers or simply enthusiasts.

FOLLOW US

Contacts

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fcpcerea@fcpcerea.it

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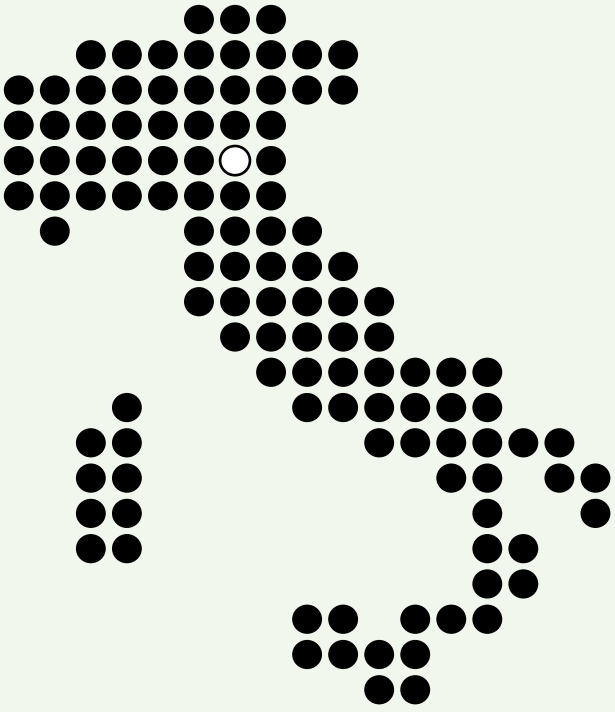
Via Farfusola 6, 37050
Bonavicina di S.Pietro di Morubio (VR)



Symbols legend

Phosphorus, expressed in label as P_2O_5, is low movable element in soil, therefore its water solubility is a quality index of the fertilizer because this is the most usable form for the plant. Fertilizers with this icon have a high water soluble phosphorus content

The use of this formulation array is characterized by the protecion of nitrogen reducing losses by volatilization (emission of ammonia in atmosphere). This allows to increase the nutrient use efficiency of nitrogen fertilization. Fertilizers that contain this form of nitrogen are marked with the green icon “stabilized nitrogen”.

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 icon.

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.

Active Premium and **Fert Premium** are fertilizers line with low chlorine content.
They contain potassium from potassium sulphate.

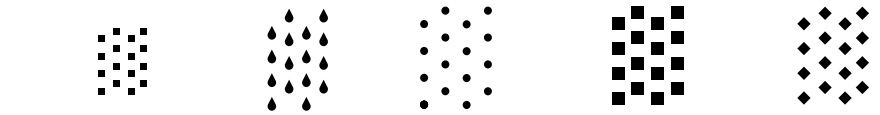
Fertilizers marked with this icon are allowed in organic agriculture.

C Carbon
Ca Calcium
Fe Iron
N Nitrogen
K Potassium
P Phosphorus
S Sulphur
Mg Magnesium
Mn Manganese
Me Microelements
B Boron
Zn Zinc
Cu Copper
Mo Molybdenum

Packaging legend

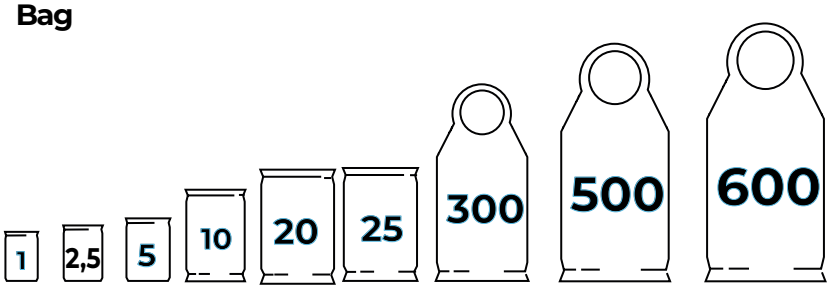
Typology

Microgranular | Liquid | Water soluble powder | Granular | Crystallin



Packaging

Bag

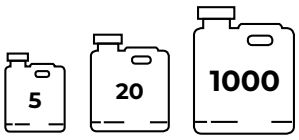


Bag **1 KG**
Bag **2,5 KG**
Bag **5 KG**

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

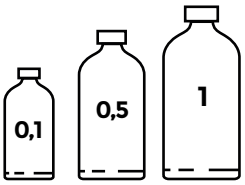
Big Bag **300 KG**
Big Bag **500 KG**
Big Bag **600 KG**

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 MIPAAFT.
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. Cerea FCP adopts this program.

UNI ISO 45001

Cerea FCP has obtained theUNI 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.

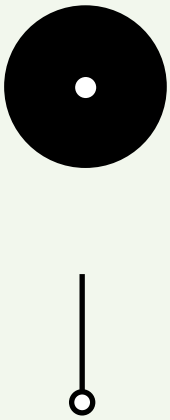
BIOAGRICERT

Cerea FCP has obtained for some products the Organic Certification issued by Bioagricert, a third-party Certification Body recognized by the EU, which verifies compliance with binding legislation and therefore guarantees that products and processes comply with production, processing and marketing requirements.

SPECIAL NUTRITION

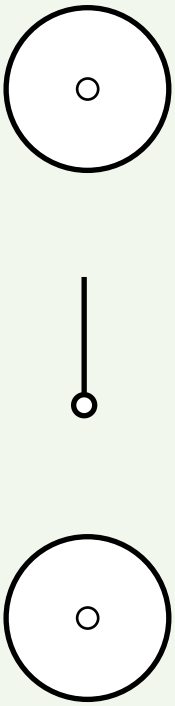
SPECIAL NUTRITION

NANO.T
REACTIVE
FUTURA
LEAF



GRANULAR

NUECR4
POWER
ORGANIC
FERT Premium
FERT
ACTIVE Premium
ACTIVE
SPECIALITY



WATER-SOLUBLE

FERTIGATION

NANO.T ®

TECHNOLOGY FOR AGRICULTURE

Liquid fertilizer family based on nanoparticles in colloidal suspension

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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.

The fertilizers of the Nano.T © line are available in sizes of 1, 5 and 20 L.

NANO.T

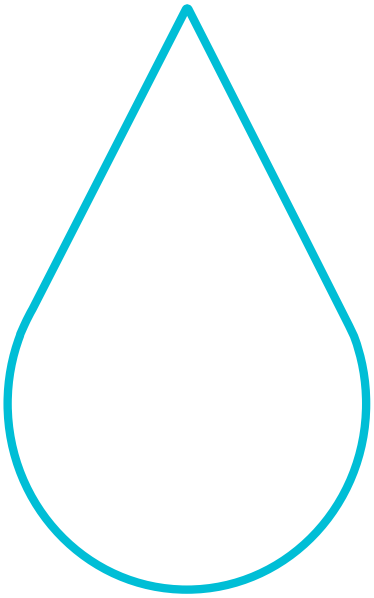
Technology for agriculture

Vegetal Nanonutrition

Feed the plants to feed the world.

A new way.

The vegetal nanonutrition.



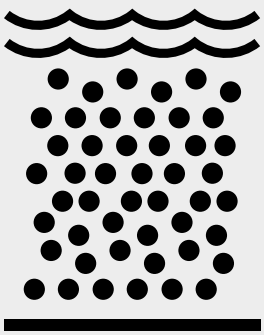
NANO.T ®

The technology which allows to produce nanofertilizers smaller than 100 nm

1

High efficiency

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

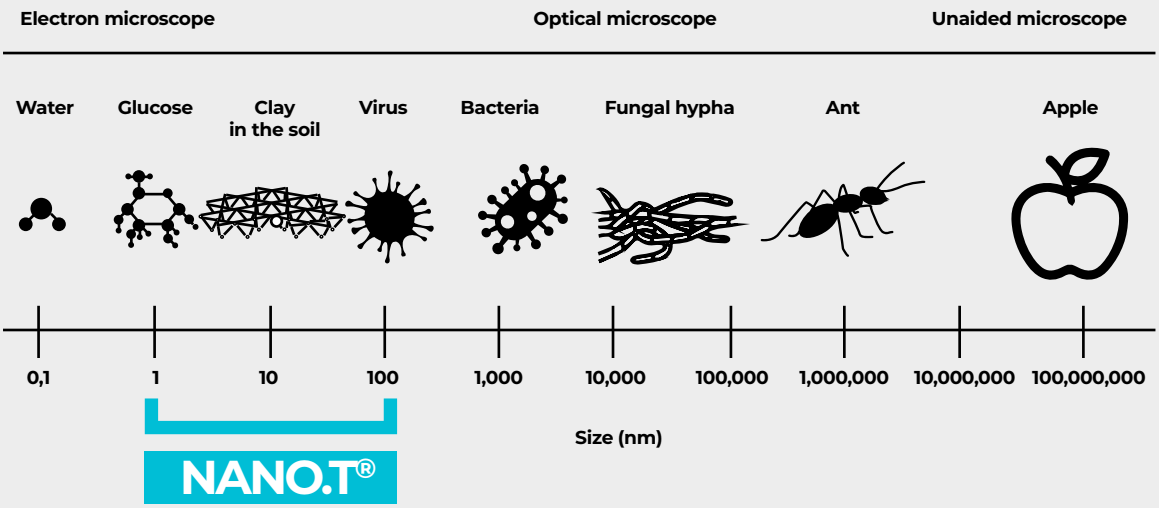


4

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;

Size comparison: from nano to macro



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

2

Stability in the formulation

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

3

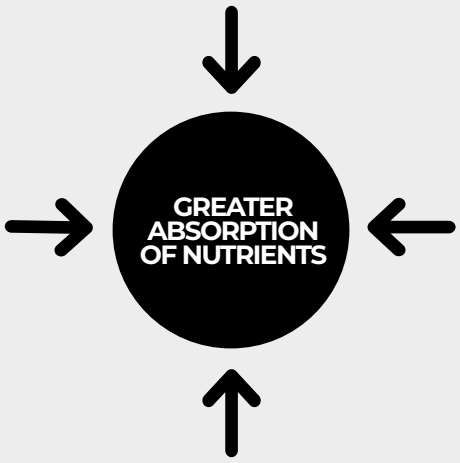
Long-lasting action

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

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.



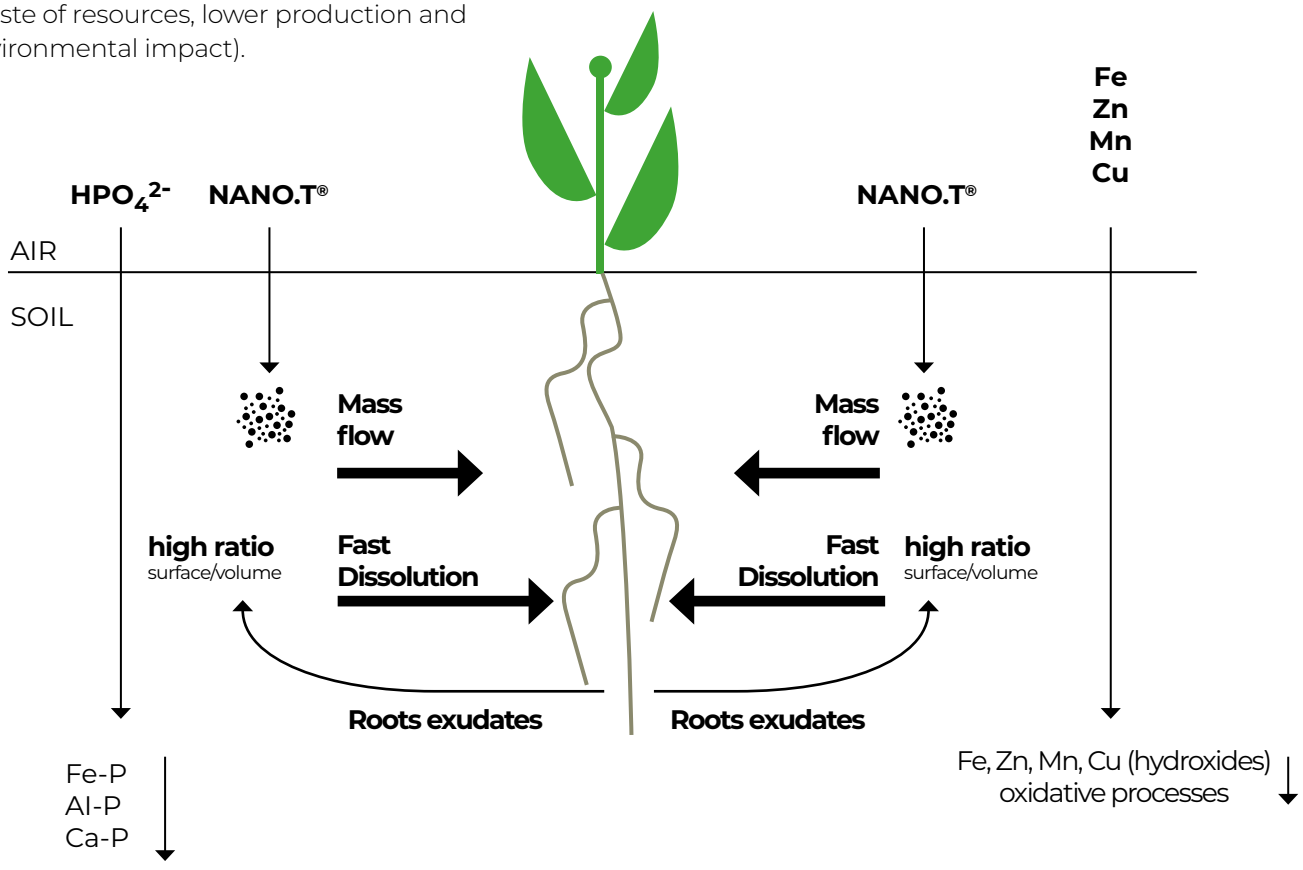
How NANO.T® works

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 on the next page shows the operating strategy of NANO.T® fertilizers.



Release mechanism of NANO.T® nutrients

NANO.T® due to its solid nature and its very small dimension (less than 100 nm), does not 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** because retained by the soil and not subject to leaching

How NANO.T® works on the leaf

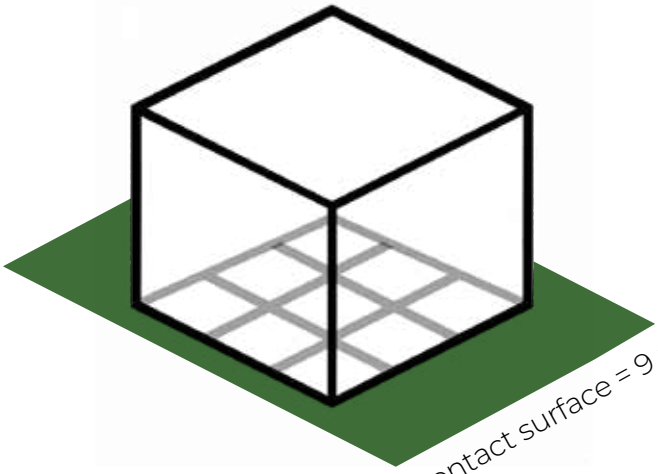


fig.1: contact surface = 9 units

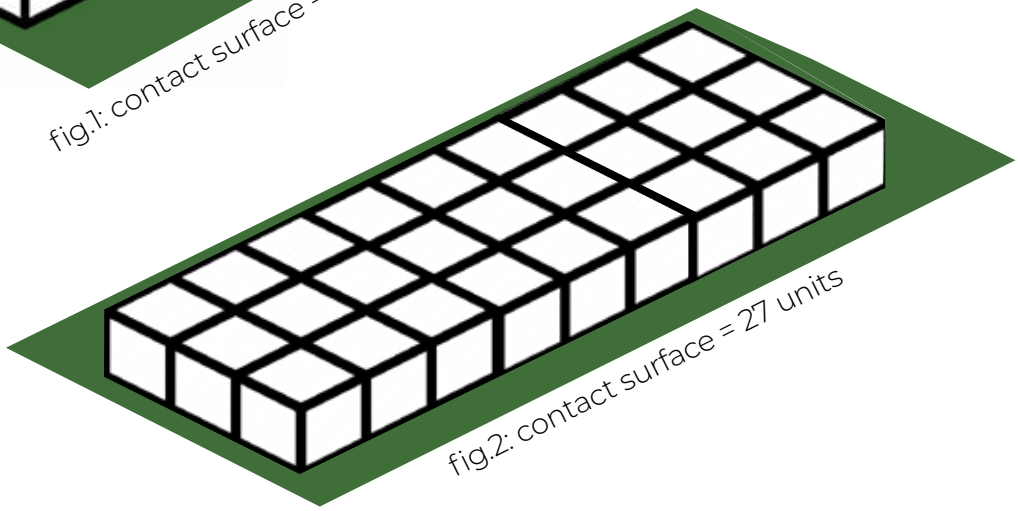


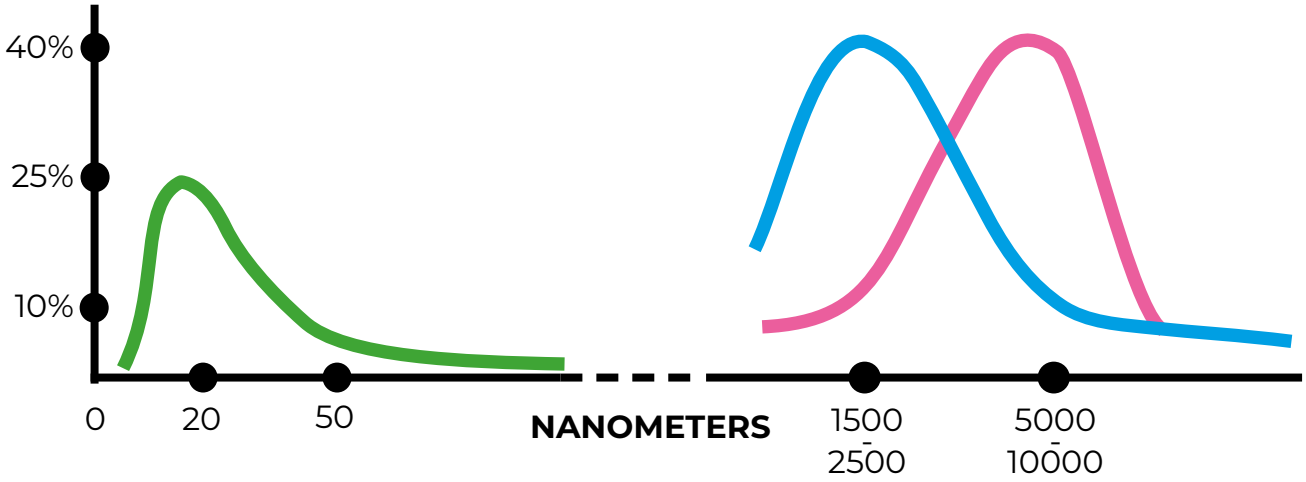
fig.2: contact surface = 27 units

Distribution system of NANO.T® on the leaf

The NANO.T technology allows 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 determining a high effectiveness and allowing a dense coating of the leaf (fig.2) as compared to the traditional technology (fig.1), considering the same quantity applied.

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

NANO.T® Fe

Effectively prevents iron chlorosis

FCP CEREA TECHNOLOGY PATENTED

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

FORMULATION

Fe P K S

Title and composition

Iron (Fe)	Phosphous (P_2O_5)	Potassium (K_2O)	Sulphur (SO_3)	pH
3,0% (1) 2,0% (2) 1,0% (3)	2,0% (1)	2,5% (2)	3,0% (2)	1,3
Low chlorine				

(1) total - (2) water soluble - (3) nano form

PACKAGING

Dosages and uses

Crop	Fertigation dosages	Period and method of use
Roots bath	200 ml/hl	pre-transplant
Stone fruits	4-5 l/ha	vegetative growth, before blossoming, stone swelling, after harvest
Apple	4-5 l/ha	vegetative growth, before blossoming, fruit swelling, after harvest
Kiwi	4-5 l/ha	vegetative growth, before blossoming, fruit swelling, after harvest
Pear	6-10 l/ha	bud opening, fruit set, fruit enlargement, post-harvest.
Wine and table grapes	6-10 l/ha	vegetative recovery, vegetative development, flowering, fruit set.
Citrus fruits	30-60 ml/plant	pre-flowering, post-fruit set, fruit enlargement.
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.
Tomato	5 l/ha	2-3 post-transplant applications every 12-15 days.

TYPOLOGY

LIQUID

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, coconut 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

FORMULATION

Fe S

Title and composition

Iron (Fe)	Sulphur (SO_3)	pH
3%(1) 3%(2)	5%(1)	2,0

(1) Water soluble, (2) complexed with vegetal extract containing tannins

PACKAGING

1 5 20

TYPOLOGY

LIQUID

Dosages and uses

Crop	Fertigation dosages	Period and method of use
Stone fruits	4-5 l/ha	vegetative growth, before blossoming, stone swelling, after harvest
Apple	4-5 l/ha	vegetative growth, before blossoming, fruit swelling, after harvest
Kiwi	4-5 l/ha	vegetative growth, before blossoming, fruit swelling, after harvest
Pear	6-10 l/ha	opening buds, vegetative development, blossoming, fruit set
Wine and table grapes	6-10 l/ha	vegetative growth, blossoming, fruit set
Citrus fruit	30-60 ml/plant	before blossoming, after fruit set, fruit swelling
Open field horticultural	3-4 l/ha	2-3 applications after transplant avery 12-15 days
Horticultural in greenhouse	300-500 ml/1000 m^2	3-4 applications after transplant avery 15 days

NANO.T® Cu

High Efficiency Copper

NANO.T ® Cu 4.5 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.

FORMULATION

Cu P K S

PACKAGING

TYPOLOGY

LIQUID

Title and composition

Copper (Cu)	Phosphous (P_2O_5)	Potassium (K_2O)	Sulphur (SO_3)	pH
4,5% (1) 2,5% (3) 2%(2)	3,0% (1)	4,0% (2)	7,0% (2)	3,3
Low chlorine				

(1) Total - (2) Water soluble - (3) nano form

Dosages and uses

Crop	Dosages	Application
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 5.5 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.

FORMULATION

Cu

Title and composition

Copper (Cu)
5,5%

PACKAGING

TYPOLOGY

LIQUID

Dosages and uses

Crop	Dosages	Application
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® 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 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.

FORMULATION

N P K Fe

Title and composition

Nitrogen (N)	Phosphous (P_2O_5)	Potassium (K_2O)	Iron (Fe)	pH
6% (1) 4,4% (3) 1,6% (4)	5% (1) 3% (2)	6% (2)	2,1% (1)	1.7

(1) Total - (2) Water soluble - (3) Ureic nitrogen - (4) Nitric nitrogen

PACKAGING

Dosages and uses

Crop	Foliar dosage	Period
Fruit trees	5 l/ha	Each 20-30 days as needed
Open field horticultural	5 l/ha	after transplant each 15-20 days
Greenhouse horticultural	500 ml/ 1000 m²	after transplant each 15-20 days

TYPOLOGY
LIQUID

In case of rain repeat the treatment at the same doses.
In case of foliar treatments in the following 7-8 days, add 1-2 l/ha of NANO.T ® Total to the treatment. NANO.T ® Total is applicable in any phenological phase.

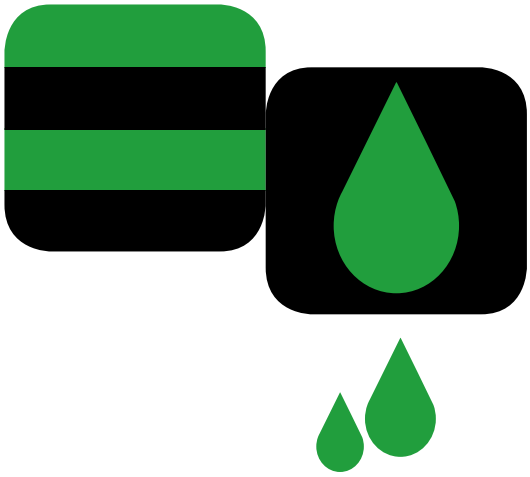
REACTIVE®

THE 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 the plant with meso and microelements required in the different phases of the vegetative cycle. The products of the Reactive line are formulated with active substances of vegetable origin with a complexing, dispersing, adhesive and carrier action to optimize the absorption processes of meso and microelements by the plant.

Reactive® liquid fertilizers are available in 1, 5, 20, 200 and 1000 L bottles and tanks, the powdered ones in 1 and 5 kg bags.



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.

FORMULATION

Mn Zn

Title and composition

Manganese (Mn)	Zinc (Zn)	pH
1% (1)	1% (1)	4,8

(1) water soluble; it contains low molecular weight carboxylic acids

Dosages and uses

PACKAGING

TYPOLOGY

LIQUID

Crop	Dosages	Period and method of use	Application
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 fruits	1-1,5 l/ha	from vegetative growth every 10-15 days	foliar
Open field horticultural	1-1,5 l/ha	after transplant every 5-7 days	foliar
Horticultural in greenhouse	90-100 ml/hl	after transplant every 10-15 days	foliar
All crops	1-3 l/ha	2-3 applications during the whole cycle	fertigation

NOTES: do not mix with copper and sulphur and strongly alkaline reaction products

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 conveyed 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.

Title and composition

Calcium (CaO)	pH
12,5% (1)	1

(1) water soluble; it contains low molecular weight carboxylic acids

FORMULATION

Ca

Dosages and uses

Crop	Foliar dosages	Period and method of use
Stone fruits	2-3 l/ha	from fruit set, every 10-15 days
Pome fruits and Kiwi	2-2,5 l/ha	from post fruit set, every 15-20 days
Grapevine and table grape	2-3 l/ha	from post fruit set, every 15-20 days
Olive tree	2 l/ha	post-fruit set, olive enlargement, 15 days from harvest
Citrus fruits	2-3 l/ha	from fruit set, every 10-15 days
Open field horti-cultural	2-3 l/ha	from fruit formation, every stage interested
Horticultural in greenhouse	100-150 ml/hl	from fruit formation, every stage interested
Cereals	2-3 l/ha	with herbicides

PACKAGING

TYPOLOGY

LIQUID

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.

FORMULATION

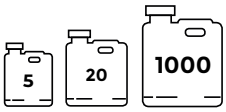
Ca Mg

Title and composition

Calcium (CaO)	Magnesium (MgO)	pH
9% (1)	1% (1)	1,0

(1) water soluble; it contains low molecular weight carboxylic acids

PACKAGING



TYPOLOGY

LIQUID

Dosages and uses

Crops	Fertigation dosages	Period (fertigation)
Stone fruit (peach, nectarine, apricot, plum tree)	10-15 l/ha	pre-flowering, post fruit set, fruit fall
Pome fruit (apple, pear) and kiwi	10-20 l/ha	flowering, after fruit set, fruit swelling
Grapevine and table grape	10-15 l/ha	vegetative development, fruit set, grape development
Citrus Fruits	10-15 l/ha	flowering, after fruit set, fruit swelling
Open fields fruits	10-15 l/ha	after 10-15 days from transplant, repeat every 20 days
Open field hort	10 l/ha	after 7-10 days from transplant, repeat every 7-10 days
Horticultural in greenhouse	1-2 l/1000 m^2	after 7-10 days from transplant, repeat every 7-10 days

NOTES: do not mix with products containing phosphorus

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 concentration 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.

FORMULATION

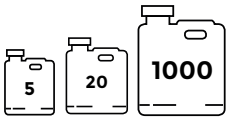
N Ca Mg

Title and composition

Nitrogen (N)	Calcium (CaO)	Magnesium (MgO)	pH
8,6% (1)	10% (2)	4% (2)	2,6

(1) total and in nitric form; (2) soluble in water; it also contains organic acid.

PACKAGING



Dosages and uses

Crops	Dosage	Period	Application
Citrus fruits	20-30 l/ha	2-3 applications at fruit swelling	fertigation
Grapevine and table grape	20-25 l/ha	2-3 applications at berry swelling	fertigation
Greenhouse horticultural	2-3 l/1000 m²	From fruit formation, every stage interested	fertigation
Open field horticultural	20-30 l/ha	2-4 appl. from fruit formation, 1 stage interested	fertigation
Open-field leafy vegetables	15-20 l/ha	1-3 at the half of plant development	fertigation
Pome fruits	20-25 l/ha	2-3 applications at fruit swelling	fertigation
Stone fruits	20-30 l/ha	2-3 applications at stone swelling	fertigation
All crops	200-250 ml/hl	from fruit set	foliar

TYPOLOGY
LIQUID

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.

FORMULATION

Mg S Zn

Title and composition

Magnesium (Mg)	Sulphur (SO_3)	Zinc (Zn)	pH
5% (1)	10% (1)	1% (1)	5
Low chlorine			

(1) water soluble

Dosages and uses

PACKAGING

5 20

TYPOLOGY

LIQUID

Crop	Dosages	Period and method of use	Application
Fruit trees	3-4 l/ha	at every stage	foliar
Grapevine and table grape	4-5 l/ha	at every stage	foliar
Olive tree	3-4 l/ha	at every stage	foliar
Citrus fruits	5-6 l/ha	at every stage	foliar
Open field horticultural	2-3 l/ha	at every stage	foliar
Horticultural in greenhouse	150-200 ml/hl	at every stage	foliar
All crops	15-20 l/ha	at every stage	fertigation

Proser Bio

Corrector of the rhizosphere

PROSER BIO is a rhizosphere corrector based on short chain carboxylic acids containing iron. PROSER BIO, thanks to the long-lasting action of the organic acidification of the rhizosphere, improves the absorption of nutrients and the fertility (structure and pH) of saline, sodium and calcareous soils.

Benefits

- More balanced development (they do not spin) and greater resistance to stress (biotic and abiotic);
- Better absorption of nutrients, thanks to the long-acting organic acidification of the rhizosphere;
- More capillary rooting, as Proser Bio limits soil salinity and improves its structure;
- More fertile and productive soils since the product improves the structure and favors the development of useful microorganisms.

FORMULATION

Fe

Title and composition

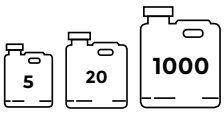
Iron (Fe)	pH
6% (1)	1

(1) water soluble

Dosages and uses

Crop	Fertigation dosages	Period and method of use
Stone fruits	10-15 l/ha	before blossoming, after fruit set, stone swelling
Pome fruits and kiwi	10-15 l/ha	blossoming, after fruit set, stone swelling
Grapevine and table grape	10-15 l/ha	vegetative growth, fruit set, grape development
Citrus fruits	10-15 l/ha	blossoming, after fruit set, fruit swelling
Open field horticultural	10-15 l/ha	after 10-15 days from transplant, every 20 days
Leaf horticultural	10 l/ha	after 7-10 days from transplant, every 7-10 days
Horticultural in greenhouse	0,5-1 l/1000 m²	after 7-10 days from transplant, every 7-10 days

PACKAGING



TYPOLOGY

LIQUID

Febo Total

Meso and microelements activated for the fruit

FEBO TOTAL is a product rich in calcium, magnesium and trace elements complexed with lignosulphonate. FEBO TOTAL is ideal for optimal fruit development as it improves colour, firmness and shelf life. FEBO TOTAL also acts on the plant by reinforcing it (highly effective calcium), stimulates photosynthesis (magnesium and iron) and stimulates metabolism (microelements).

Benefits

- Promotes optimal fruit development (size, quality and shelf life) thanks to the complete and balanced formulation;
- Strengthens the plant (calcium), stimulates photosynthesis (magnesium and iron) and promotes metabolism (microelements);
- Regenerates the plant's nutrient reserves;
- 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.

FORMULATION

Ca Mg S B Zn Fe Mn

Title and composition

Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Iron (Fe)	Manganese (Mn)	Zinc (Zn)
18% (1)	6% (1)	12% (1)	1,3% (1)	0,7% (1) 0,7% (2)	1% (1) 1,0% (2)	2% (1) 2,0% (2)

(1) water soluble (2) complexed with LSA

PACKAGING

1 5

TYPOLOGY

WATER SOLUBLE POWDER

Dosages and uses

Crop	Dosages	Period and method of use	Application
Stone fruits	2-3 kg/ha	2-3 applications after fruit set and in case of deficiencies	foliar
Pome fruits, kiwi	2-3 kg/ha	2-3 applications after fruit set and in case of deficiencies	foliar
Grapevine and table grape	2-2,5 kg/ha	2-3 applications after berries groat-sized, bunches begin to hang and in case of deficiencies	foliar
Olive tree	1-2 kg/ha	2-3 applications after cluster flowers and i n case of deficiencies	foliar
Citrus fruit	2-3 kg/ha	2-3 applications after fruit set and in case of deficiencies	foliar
Open field horticultural	1,5-2 kg/ha	2-3 applications during fruit swelling and in case of deficiencies	foliar
Horticultural in greenhouse	100-150 gr/hl	2-3 applications during fruit swelling and in case of deficiencies	foliar
All crops	4-6 kg/ha	2-3 applications from fruit set	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.

FORMULATION

Mg S B Zn Fe Mn Mo

Title and composition

Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Iron (Fe)	Manganese (Mn)	Molybdenum (Mo)	Zinco (Zn)
10% (1)	25% (1)	1,0% (1)	4,0% (1) 4,0% (2)	1,4% (1) 1,4% (2)	0.2% (1)	1,5% (1) 1,5% (2)

(1) water soluble (2) complexed with LSA

Dosages and uses

Crop	Dosages	Period and method of use	Appiication
Stone fruits	2-3 kg/ha	2-3 applications from vegetative growth and in case of deficiencies	foliar
Pome fruits, kiwi	1-3 kg/ha	2-3 applications from vegetative growth and in case of deficiencies	foliar
Grapevine and table grape	1,5-2 kg/ha	2-3 applications from vegetative growth and in case of deficiencies	foliar
Olive tree	1-2 kg/ha	2-3 applications from vegetative growth and in case of deficiencies	foliar
Citrus fruit	2-3 kg/ha	2-3 applications after harvest and in case of deficiencies	foliar
Open field horticultural	1,5-2 kg/ha	2-3 applications after transplant and in case of deficiencies	foliar
Horticultural in greenhouse	150-250 g/hl	2-3 applications after transplant and in case of deficiencies	foliar
All crops	4-6 kg/ha	2-3 applications	fertigation

PACKAGING

1 5

TYPOLOGY

WATER SOLUBLE POWDER

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.

FORMULATION

B

Fe Mn

Mo Zn

Title and composition

Boron (B)	Iron (Fe)	Manganese (Mn)	Molybdenum (Mo)	Zinc (Zn)
0.7% (1)	4,0% (1) 4,0% (2)	3,5% (1) 3,5% (2)	0.2% (1)	2,0% (1) 2,0% (2)

(1) water soluble (2) complexed with LSA

PACKAGING

1 5

TYPOLOGY

WATER SOLUBLE POWDER

Dosages and uses

Crop	Dosages	Period and method of use	Application
Stone fruits	2-2,5 kg/ha	2-3 applications	foliar
Pome fruits, kiwi	2-2,5 kg/ha	2-3 applications	foliar
Grapevine and table grape	1,5-2 kg/ha	2-3 applications	foliar
Olive tree	1,5-2 kg/ha	2-3 applications	foliar
Citrus fruits	2-2,5 kg/ha	2-3 applications	foliar
Open field horticultural	2-2,5 kg/ha	3-4 applications	foliar
Horticultural in greenhouse	90-100 g/hl	3-4 applications	foliar
All crops	4-5 kg/ha	2-3 applications	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.

FORMULATION

Ca Mg

Title and composition

Calcium (CaO)	Magnesium (MgO)	pH
12% (1)	4% (1)	5

(1) Water-soluble product, it also contains vegetal mono and polysaccharides

Dosages and uses

PACKAGING

1 5

Crop	Dosages	Period and method of use	Application
Stone fruits	3-4 l/ha	3-4 applications from fuit set each 15 days	foliar
Pome fruits, kiwi			
Grapevine and table grape			
Olive tree			
Citrus fruits			
Open field fruit horticultural	3-3,5 l/ha	3-4 applications from fruit set	foliar
Open field leaf horticultural	3 l/ha	2-3 applications from 5-6 leaves each 8-10 days	foliar
Horticultural in greenhouse	250-300 ml/hl	3-4 applications from fuit set each 7 days	foliar
All crops	10 - 20 l/ha	2-3 applications	fertigation

TYPOLOGY

LIQUID

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.

FORMULATION

Ca

Composition and title

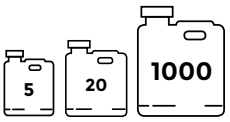
Calcium (CaO)	pH
15% 12% (1)	1

(1) complexed with ammonium ligninsulfonate

Dosages and uses

Crop	Roots Dosage	Foliar Dosage	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
Oil and table Olive	20-25 l/ha	3-5 l/ha	From fruit set every 15-20 days
Wine and table grapes	15-20 l/ha	3-4 l/ha	From fruit set every 15 days
Citrus fruits	15-20 l/ha	3-4 l/ha	From fruit set every 15-20 days
Actinidia	20-25 l/ha	3-5 l/ha	From fruit set every 15 days
Walnut, hazel, 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 first stage of fruit set every 8-10 days
Horticultural in greenhouse	1-2 l/1000 metres	200-250 ml/100 L of water	From first stage of fruit set every 8-10 days
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

PACKAGING



TYPOLOGY

LIQUID

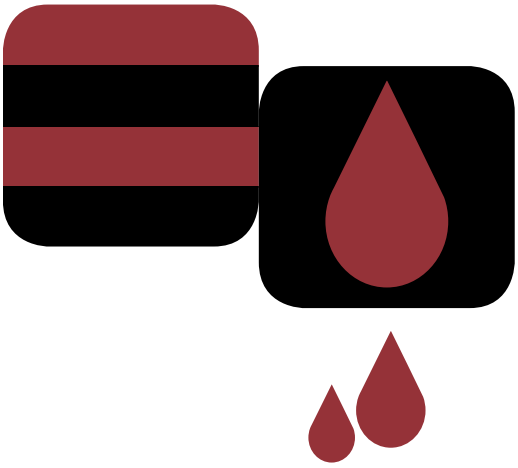
FUTURA

BIOSTIMULATING ACTION BY NATURE

Family of liquid 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 extract and humic acids whose function is to stimulate natural processes to increase the absorption of nutrients, tolerance to abiotic stresses and crop quality.

Liquid products are available in 1, 5, 25, 200 and 1000 L bottles and tanks, powdered ones in 1 and 2.5 Kg bags.



Verv

Synergist of treatments with anti-stress action

Verv is a product with a specific action, co-formulant of natural origin obtained by enzymatic hydrolysis, effective both in foliar application and in fertigation.
Verv acts as a synergist of foliar and root treatments by exerting a surfactant, humectant, carrier and adhesive action.
Verv also has a nutritional action, it rehydrates the plant tissues and helps the plant to overcome stress conditions.

Benefits

- Increases the effectiveness of foliar products (fertilizers and protection products), improving their distribution on the leaf (dispersing and humectant effect) and absorption (vehicle effect);
- Reduces leaching of protection products and dispersion in the environment (adhesive effect);
- Reduces the effect of stress due to the use of protection products;
- It is rapidly absorbed by the plant due to its vegetal origin.

FORMULATION

N C

PACKAGING

TYPOLOGY

LIQUID

Title and composition

Nitrogen (N)	Carbon (C)	pH
7% (1) 7% (2)	20% (2)	5,6

(1) total - (2) organic

Dosages and uses

Effect	Dosages	Period and method of use	Application
Surfactant, humectant, adhesive, anti-stress action	150-500 ml/hl at least 1,5-2,5 l/ha	during the whole crop cycle, combined with herbicides, fungicides, pesticides and nutrition products	Foliar
Stimulant of the roots, better absorption of nutrients in soil	0,5% of the solution	each fertigation	Fertigation

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.

bioagricert INPUTS

FORMULAZIONE

N C B Zn Fe

Title and composition

Nitrogen (N)	Carbon (C)	Boron (B)	Iron (Fe)	Zinc (Zn)	pH
7% (1) 7% (2)	22% (2)	0.5% (1)	1% (1)	0,5% (1)	7,5

(1) total - (2) organic -(3) water soluble

PACKAGING

Dosages and uses

Crop	Foliar dosages	Period and method of use
Fruit trees (kiwi, apple, pear, cherry, peach, citrus)	1,5-2,5 l/ha	2-3 applications from vegetative growth each 10-20 days
Grapevine	1,5-2,5 l/ha	2-3 applications from vegetative growth each 10-20 days
Horticultural	1-2 l/ha	3-4 applications each 10-15 days after the transplant
Extensive crops	1,5-2,5 l/ha	with weed

TYPOLOGY

LIQUID

Verv N9

Promoter of radical activity

bioagricert INPUTS

FORMULATION

N C

PACKAGING

5 20 1000

TYPOLOGY

LIQUID

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) and the C/N ratio equal to 8;
- Versatility since it can be used both in fertigation and foliar application in association with other products for nutrition and defence.

Title and composition

Nitrogen (N)	Carbon (C)	Total Amino Acids	pH
9% (1) 9% (2)	24,5% (2)	50% (3)	5,5

(1) total (2) organic (3) Glycine 13%, Proline 7.5%, Hydroxyproline 6%, Glutamic acid 5%, Arginine 5%

Dosages and uses

Crop	Dosages	Period and method of use	Application
Fruit trees (peach, nectarine, apricot, plum, apple, pear, kiwi), grapevine	10-20 l/ha	vegetative growth, pre-blossoming, post fruit set, fruit swelling	fertigation
Open field horticultural	10-30 l/ha	post-transplant, post fruit set, fruit swelling	fertigation
Horticultural in greenhouse	2-4 l/1000m^2	3-4 applications 10-15 gdays after transplant	fertigation
Cereals	3-4,5 l/ha	tillering, flag leaf	foliar
All crops	2,5-5 l/ha	from 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

FORMULATION

N K C B

Title and composition

Nitrogen (N)	Potassium (K_2O)	Sulphur (SO_3)	Carbon (C)	Boron (B)
5% (1) 3% (2) 2% (3)	9% (4)	14% (4)	8% (2)	0,25% (4)

(1) total - (2) organic -(3) ureic - (4) water soluble

PACKAGING

1 5 20

TYPOLOGY

LIQUID

Dosages and uses

Crop	Foliar dosages	Period and method of use
Peach, apricot, apple tree	2 l/ha	45, 30 e 15 days before the harvest
Grapevine 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

StimUp

Growth bioactivator

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, since it can be applied effectively both on the leaves and roots and can be combined with all the main liquid products on the market (fertilizers and pesticides).

FORMULATION

HUMIC ACIDS

Title and composition

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

PACKAGING

Dosages and uses

Crop	Foliar dosages	Period and method of use
Fruit trees (kiwi, apple, pear, cherry, peach)	120-200 ml/ha	at the beginning of blossoming. if necessary, a second application in full bloom
Citrus fruit	150-200 ml/ha	at the beginning of blossoming. if necessary, a second application in full bloom
Grapevine	120-170 ml/ha	at the beginning of blossoming. if necessary, a second application in full bloom
Olive tree	150 ml/ha	end of blossoming
Tomato	200-250 ml/ha	stress conditions
Horticultural	20-25 ml/hl	stress conditions
Potato	100 ml/ha	foliar development
Seed treatment	5 ml/kg	before the seeding
All other crops	100 ml/hl	roots bath

TYPOLOGY

LIQUID

Cerere

Thermoprotector and osmoregulator

Cerere acts as a thermoprotector and osmoregulator, it is composed of short-chain 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.

FORMULATION

HUMIC ACIDS

Title and composition

47% of medium and long polymer chain polyols

Cerere is nor a fertilizer neither an agrochemical

Dosages and uses

Crop	Foliar dosages	Period and method of use
Fruit trees (kiwi, apple, pear, cherry, peach, citrus)	1,5-2,5 l/ha	1 application 24-48 hours before the stressful event, then every 7-10 days
Grapevine	1,5-2,5 l/ha	1 application 24-48 hours before the stressful event, then every 7-10 days
Horticultural	1-2,5 l/ha	1 application 24-48 hours before the stressful event, then every 7-10 days

PACKAGING

1

TYPOLOGY

LIQUID

B-Power

Bioactivator for flowering and fruit set

B-Power is a bioactivator which, thanks to the particular formulation based on natural components of plant origin, performs a double action: it activates the plant's metabolism and has an anti-stress effect. B-Power contains boron complexed with humic and fulvic acids, thus resulting totally assimilable and conveyed inside the plant. B-Power stimulates root development, increasing nutrient absorption and promotes blossoming and fruit set.

Benefits

- It activates the plant by promoting flowering and fruit set;
- It stimulates root development;
- It increases nutrient absorption;
- It has an anti-stress action.

FORMULATION

HUMIC ACIDS

B

Title and composition

Boron (B)	Humic and fulvic acids	pH
2% (1)	14%(2)	7,5

(1) water soluble - (2) extracted with water

PACKAGING

1 5 20

TYPOLOGY

LIQUID

Dosages and uses

Crop	Dosages	Period and method of use	Application
Stone fruit (peach, nectarine, apricot, plum)	3-4 l/ha	opening buds, blossoming, post fruit set, fruit swelling	foliar
Pome fruit (apple, pear) and kiwi	2-3 l/ha	before blossoming, blossoming, post fruit set, fruit swelling	foliar
Grapevine and table grape	3 l/ha	before blossoming, blossoming, post fruit set, grape swelling	foliar
Olive tree	4 l/ha	before blossoming, blossoming, post fruit set, drupe swelling	foliar
Citrus fruit	2-2,5 l/ha	before blossoming, blossoming, post fruit set, fruit swelling	foliar
Open field horticultural	2-2,5 l/ha	before and after blossoming, fruit swelling	foliar
Horticultural in greenhouse	300-500 ml/ 1000 m^2	before and after blossoming, fruit swelling	foliar
Hazelnut	3-4 l/ha	start of leaves fall	foliar
Extensive	3-6 l/ha	with weeding and pesticides	foliar
All crops	4-6 l/ha	before and after blossoming, 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.

Benefitss

- 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.

FORMULATION

HUMIC ACIDS

K S

Title and composition

Potassium (K_2O)	Sulphur (SO_3)
24% (1)	40% (1)
Contains Humic Acids	

(1) water soluble

Dosages and uses

Crop	Dosages	Period and method of use	Application
Fruit trees (peach, nectarine, apricot, plum, apple, pear, kiwi)	10-30 l/ha	3-4 applications from ripening	fertigation
Grapevine 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/1000m²	every 5-7 days from the start of ripening	fertigation
All crops	3-5 l/ha	3-4 applications from ripening	foliar

PACKAGING

5 20

TYPOLOGY

LIQUID

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.

FORMULATION

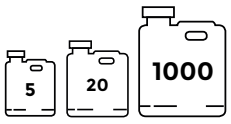
P

Title and composition

Phosphorus (P_2O_5)	pH
40% (1) 40% (2)	1,0

(1) Total - (2) water soluble

PACKAGING



Dosages and uses

Crop	Fertigation Dosages	Period and method of use
Fruit trees (peach, nectarine, apricot, plum, apple, pear, kiwi), grapevine	10-25 l/ha	vegetative growth, pre-blossoming, after fruit set, fruit swelling
Open field horticultural	10-30 l/ha	post-transplant, pre-blossoming, fruit set
Horticultural in greenhouse	2-3 l/1000m^2	3-4 applications after the transplant each 10-15 days

TYPOLOGY

LIQUID

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.

FORMULATION

N P

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	pH
5,0% (1) 3,0% (3) 2,0% (4)	15% (1) 15% (2)	4
Low chlorine		

(1) Total - (2) Water soluble - (3) ammoniacal - (4) ureic; contains glycybetaine

PACKAGING

20 1000

Dosages and uses

Crop	Dosages	Period and method of use	Method
Fruit trees (peach, nectarine, apricot, plum, apple, pear, kiwi), vine	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

TYPOLOGY

LIQUID

Iride

Energy promptly available

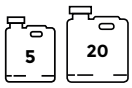
bioagricert INPUTS

FORMULATION

HUMIC ACIDS

N P K C

PACKAGING



TYPOLOGY

LIQUID

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

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Organic carbon	pH
3% (1) 3% (2)	4% (1)	4% (1)	14,5	4,5
Contains Humic Acids				

(1) Total - (2) Organic

Dosages and uses

Crop	Dosages	Period and method of use	Application
Fruit trees (peach, nectarine, apricot, plum, apple, pear, kiwi), grapevine	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/1000m²	3-4 applications after transplant each 10-15 days	fertigation
Cereals	3-5 l/ha	tillering, flag leaf	foliar
All other crops	3-6 l/ha	2-4 applications according to the needs of the crop	foliar

Giove Bio N8

100% vegetal physioactivator

GIOVE BIO is a 100% vegetal concentrated physioactivator rich in vegetal amino acids (about 50%), obtained by enzymatic hydrolysis. GIOVE BIO thanks to the high content of organic nitrogen, readily assimilable, promotes a balanced vegetative development. GIOVE BIO 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.

FORMULATION

N C

Title and composition

Nitrogen (N)	Organic carbon	Total amino acids	pH
8% (1)	25%	50%	6,5

(1) organic

PACKAGING

Dosages and uses

Crop	Dosages	Period and method of use	Application
Fruit trees	2-3 l/ha	2-3 applications from vegetative development	foliar
Grapevine and table grape	2-3 l/ha	2-3 applications from vegetative development	
Olive tree	3-4 l/ha	vegetative growth, fruit swelling	
Open field horticultural	2-3 l/ha	every 7 -10 days from transplant	
Horticultural in greenhouse	250-300 ml/hl	every 5-7 days from transplant	
Cereals	2-3 l/ha	booting, flag leaf	
Fruit trees, Olive tree & Grapevine	10-15 l/ha	from vegetative growth	fertigation
Open field horticultural	10-12 l/ha	from post-transplant	
Horticultural in greenhouse	1-1,5 l /1000 m²	from post-transplant	

TYPOLOGY

LIQUID

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.

FORMULATION

HUMIC ACIDS

Title and composition

Organic carbon on dry weight	Organic C. extractable on total organic C.	Organic humified C. on extractable organic C.	Organic nitrogen on dry matter	Organic matter on dry matter	Organic matter extractable on % of the organic matter	Organic matter humified on % of the extractable matter
30%	60%	60%	0,5%	90%	60%	60%

Extracting medium water

PACKAGING

1 5

Dosages and uses

Crop	Dosages	Period and method of use	Application
Artichoke	1-2 l/ha	pre-transplant	bath
Fruit trees	1-2 l/ha	from vegetative growth every 12-15 days	foliar
Grapevine and table grape	1-1,5 l/ha	from vegetative growth every 12-15 days	foliar
Olive tree	1-2 l/ha	from vegetative growth every 12-15 days	foliar
Open field horticultural	1-1,5 l/ha	from transplant every 8-10 days	foliar
Horticultural in greenhouse	100-150 ml/hl	from transplant every 7-8 days	foliar
Cereals	1-2 l/ha	at weeding	foliar
All crops	3-5 l/ha	from transplant (or vegetative growth) every 8-10 days	fertigation

TYPOLOGY

LIQUID

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.

FORMULATION

N C

PACKAGING

1 2,5 10

TYPOLOGY

WATER SOLUBLE POWDER

Title and composition

Nitrogen (N)	Carbon (C)	Total amino acids
16% (1)	50% (1)	98%

(1) Organic ; contains Glycine 25,5%, Proline 14%

Dosages and uses

Crop	Dosages	Period and method of use	Application
Fruit trees	1-2 kg/ha	vegetative growth, before blossoming, after fruit set, fruit development	foliar
Grapevine and table grape	1-2 kg/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	1-3 kg/ha	post-transplant/ post emergence, vegetative developent, post fruit set, fruit development	foliar
Horticultural in greenhouse	300-500 g/1000m²	3-4applications 10-15 days after transplant	foliar
Cereals	1-2 kg/ha	tillering, leaf flag	foliar
All crops	5-6 kg/ha	fertigation: 2-4 applications	fertigation
Potato	1 kg/ha	10-15 days after emergence until tuberification	foliar

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.

FORMULATION

N C Fe

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.

Title and composition

Nitrogen (N)	Carbon (C)	Iron (Fe)	pH
5% (1) 5% (2)	18% (2)	800 mg/kg(2)	6,5-7

(1) total - (2) organic - used preservative: trisodium citrate

PACKAGING

22,7 1000

TYPOLOGY

LIQUID

Dosages and uses

Crop	Dosages	Period and method of use	Application
Stone fruits	20-40 l/ha	from vegetative growth	fertiigation
Pome fruits	20-40 l/ha	from vegetative growth	fertiigation
Kiwi	20-40 l/ha	from vegetative growth	fertiigation
Olive tree	20-40 l/ha	from vegetative growth	fertiigation
Table and grapevine	20-40 l/ha	from vegetative growth	fertiigation
Horticultural in greenhouse	2-3 l/1000 metri	from post-transplant	fertiigation
Open field horticultural	20-30 l/ha	from post-transplant	fertiigation
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.

FORMULATION

C

Benefits

- Increase 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.

Title and composition

Carbon (C)	Mannitol
12% (1)	7,5 g/L
it contains Ascophyllum Nodosum Canadese algae (25%)	

(1) organic

PACKAGING

TYPOLOGY
LIQUID

Dosages and uses

Crop	Foliar dosages	Period and method of use
Apple and pear	1 l/ha	increasing fruit size: post-fruit setting, after physiological drop
Citrus fruits, olive tree and stone fruits	1 l/ha	increasing fruit size: post-fruit setting, fruit development
Grapevine	1-2 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 (tomato, pepper, eggplant, courgette and cucumber)	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
Melon 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 ensure 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.

FORMULATION

Me C

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

Composition and title

Carbon (C)	Mannitol	Iron (Fe)	Boron (B)	Molybdenum (Mo)
6%	0,7%	0,3%(2)	0,5%(3)	0,04%(1)

ALSO CONTAINS:

Free amino acids (4)	Polysaccharides	Magnesium (MgO)	Alginic acid	Fucoidans
5 g/kg (4)	15%	2%(1)	15 g/kg	15 g/kg

(1) water soluble, (2) chelated with DTPA, (3) complexed with etalonamine, **(4) auxin precursors**

PACKAGING

1 5

TYPOLOGY
LIQUID

Dosages and uses

Crop	Foliar dosage	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
Actinidia	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

LEAF

INNOVATION IN AGRICULTURE

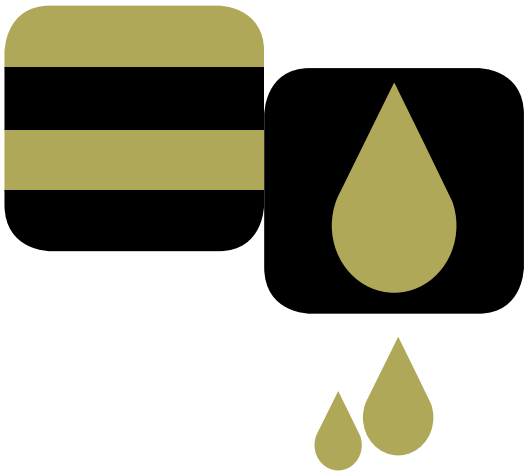
Liquid fertilizers based on nitrogen, phosphorus, potassium and meso elements.
The LEAF line presents various formulations capable to satisfy the nutritional needs of crops in different phenological stages.

Each Leaf product contains high-quality materials and they are formulated with agents that improve absorption, eliminating the risk of plant phytotoxicity.

Moreover, they offer high practicality of use in the field.

The liquid formulation makes them suitable for both foliar and fertigation applications.

Leaf family fertilizers are available in 5, 20, 200 and 1000 L tanks.



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.

FORMULATION

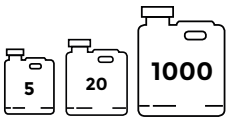
N S B

Title and composition

Nitrogen (N)	Sulphur (SO_3)	Boron (B)
22% (1) 11% (2) 7% (3) 4% (4)	11% (5)	0,5% (5)

(1) total - (2) ureic - (3) urea formaldehyde - (4) ammoniacal - (5) water soluble

PACKAGING



TYPOLOGY

LIQUID

Dosages and uses

Crop	Dosages	Period and method of use	Application
Fruit trees (kiwi, apple, pear, cherry, peach, citrus)	2-3 l/ha	1-2 applications every 10-20 days from vegetative growth	foliar
Grapevine 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, f ungicides and insecticides	foliar
Open field vegetables	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 concentration 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 concentration of phosphorus and calcium (P 23.6% - Ca 6%) completely soluble;
- Extremely versatile product that can be used in every phenological phase.

FORMULATION

N **P** **Ca**

Title and composition

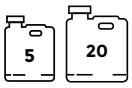
Nitrogen (N)	Phosphorus (P_2O_5)	Calcium (CaO)	pH (sol. 1%)
3%(1) 3%(2)	23,6%(1) 23,6%(3)	6%(1, 3)	1,86

(1) total - (2) ureic - (3) soluble in water

Dosages and uses

Crop	Dosages	Period and method of use	Application
Stone fruit (peach, nectarine, apricot, plum tree)	4-5 l/ha	from fruit set:3 applications every 7-8 days	foliar
Pome fruits (apple, pear) and kiwi	4-5 l/ha	from fruit set:3 applications every 10-14 days	foliar
Grapevine 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 green house	200-300 ml/hl	from fruit set:3-4 applications every 7-8 days	foliar
All crops	10-15 l/ha	from the early stages of development	fertigation
Potato	2 l/ha	10-15 days after emergence until tuberification	foliar
Alfalfa	2,5 - 3 l/ha	in combination with herbicides and pesticides	foliar

PACKAGING



TYPOLOGY

LIQUID

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.

FORMULATION

N K

Title and composition

Nitrogen (N)	Potassium (K_2O)	pH
3% (1) 3% (2)	20% (3)	6,5
Low chlorine		

(1) total (2) ureic (3) soluble in water

PACKAGING

1 5 20

TYPOLOGY

LIQUID

Dosages and uses

Crop	Foliar dosages	Period and method of use
Fruit trees (kiwi, apple, pear, cherry, peach, citrus)	2-3 l/ha	2-3 application from ripening
Olive tree	2-3 l/ha	2-3 applications from fruit swelling
Open field horticultural	2-3 l/ha	2-3 application from ripening
Horticultural in greenhouse	150-250 ml/hl	From ripening
Grapevine	2-3 l/ha	2-3 application from 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..

FORMULATION

N Mg S

Title and composition

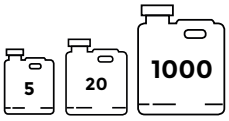
Nitrogen (N)	Magnesium (MgO)	Solphur (SO_3)	pH
18% (1) 18% (3)	4% (1) 4% (2)	8% (2)	7
Low chlorine			

(1) total - (3) ureic - (2) soluble in water

Dosages and uses

Crop	Dosages	Period and method of use	Application
Fruit trees (kiwi, apple, pear, cherry, peach, citrus)	5-10 l/ha	1-2 applications every 10-20 days from vegetative growth	foliar
Grapevine and table grape, hazelnut	5-10 l/ha	1-2 applications every 10-20 days from vegetative growth, in the vineyard apply in pre-harvest to increase the apa in musts	foliar
Olive tree	5-10 l/ha	vegetative phase, inflorescence buds, 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 vegetble	10-30 l/ha	1-2 applications during vegetative developmen	foliar
All crops	15-30 l/ha	from the early stages of development	fertigation

PACKAGING



TYPOLOGY

LIQUID

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.

FORMULATION

N S

Title and composition

Nitrogen (N)	Sulphur (SO_3)
15% (1) 10,4% (2) 4,6% (3)	57% (4)
Low chlorine	

(1) Total - (2) ammoniacal - (3) ureic - (4) water soluble

PACKAGING

5 20

TYPOLOGY

LIQUID

Dosages and uses

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

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.

Composition and title

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Boron (B)	Iron (Fe)	Manganese (Mn)	Zinc (Zn)	Organic Carbon
13% (1) **2,0% (2)** 1,8% (3) 9,2% (4)	40% (5)	6% (5)	0,03% (5)	0,04% (6)	0,04% (6)	0,04% (6)	7,5%
Contains extracts of Ascophyllum nodosum seaweed							
Low chlorine content							

(1) total, (2) organic, (3) nitric, (4) ammoniacal, (5) water soluble, (6) chelated with EDTA

Dosages and uses

Crop	Roots Dosage	Foliar Dosage	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
Oil and table Olive	10-15 kg/ha	2,5-3 kg/ha	From vegetative growth until fruit set
Wine and table grapes	10-15 kg/ha	2-2,5 kg/ha	From vegetative growth until fruit set
Citrus fruits	10-15 kg/ha	2-2,5 kg/ha	From vegetative growth until fruit set
Actinidia	10-20 kg/ha	2-2,5 kg/ha	From vegetative growth until fruit set
Walnut, hazel, 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 metres	100-120 g/100 L of water	From post-transplant until third cluster of fruit set
Leafy 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

FORMULATION

N P K C Me

PACKAGING

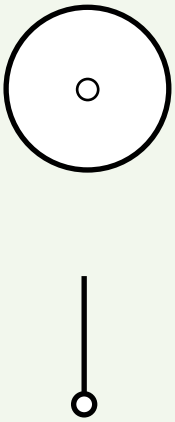
2,5 10

TYPOLOGY
WATER-SOLUBLE POWDER

GRANULAR

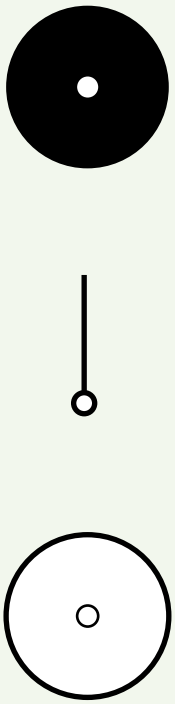
SPECIAL NUTRITION

NANO.T
REACTIVE
FUTURA
LEAF



GRANULAR

NUECR4
POWER
ORGANIC
FERT Premium
FERT
ACTIVE Premium
ACTIVE
SPECIALITY



WATER-SOLUBLE

FERTIGATION

The phosphorus importance in Cerea FCP fertilizers

Phosphorus is already in our brand!

Cerea FCP gives considerable importance to the type of phosphorus present in its fertilizers. The phosphatic matrix used are treated to increase the percentage of water-soluble phosphorus.

Phosphorus is an essential nutrient for plants and its deficiency may cause serious consequences:

- it is extremely important at the time of flowering and intervenes in all fundamental processes of metabolism
- it is concentrated in the young tissues of the plant, it is important for energy metabolism and in synthesis, demolition and transformation reactions
- increase the speed of fruit ripening and improves its external quality
- promotes rooting, makes the plant more resistant to disease and less susceptible to lodging.

Phosphorus is characterized by poor mobility in the soil and low use efficiency by plants (generally only 10-20% of the phosphorus that is added to the soil with fertilization is absorbed b the plant). For this reason, it is advisable, whenever possible, to locate it near the roots. It is also retained by soil colloids; therefore, it is not subject to surface runoff losses.

The solubility of phosphorus, and therefore its ease of absorption by plants, depends on the soil pH::

- in strongly acid soils phosphorus forms insoluble complexes with iron and aluminium hydroxides (Fe and Al phosphates
- in tendentially neutral soils it prevails in the monocalcium phosphate form $Ca(H_2PO_4)_2$, and dicalcium $CaHPO_4$
- in basic soils due to constitutional alkalinity (calcareous soils) the form of insoluble tricalcium phosphate $Ca_3(PO_4)_2$
- in sodic soils it prevails in the form of soluble sodium phosphate (Na_3PO_4)

Therefore, the phosphorus' absorption is tendentially favored in neutral soils, while in acidic and basic soils it is subject to phenomena of insolubility (phosphorus retrogradation).

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

Bioactivated fertilizers. Coating system

Cerea FCP has equipped itself with an avant-garde coating plant to produce activated fertilizers (one or more additives are added to the granule in post-granulation. This type of products offer, is dictated by the conviction of our company that is necessary to produce more efficient and environmentally friendly fertilizers.
Our coating process can be done using different additives:

- **minerals, such as microelements**
- **organic, as biostimulants**
- **innovative products, such as microorganisms**

The use of noble raw materials both in liquid and in powder, allows to enrich the granular product preserving or increasing the performances of the starting raw materials. In this way, it is possible to distribute special products to the soil, for which one would normally proceed with leaf distribution or fertigation..

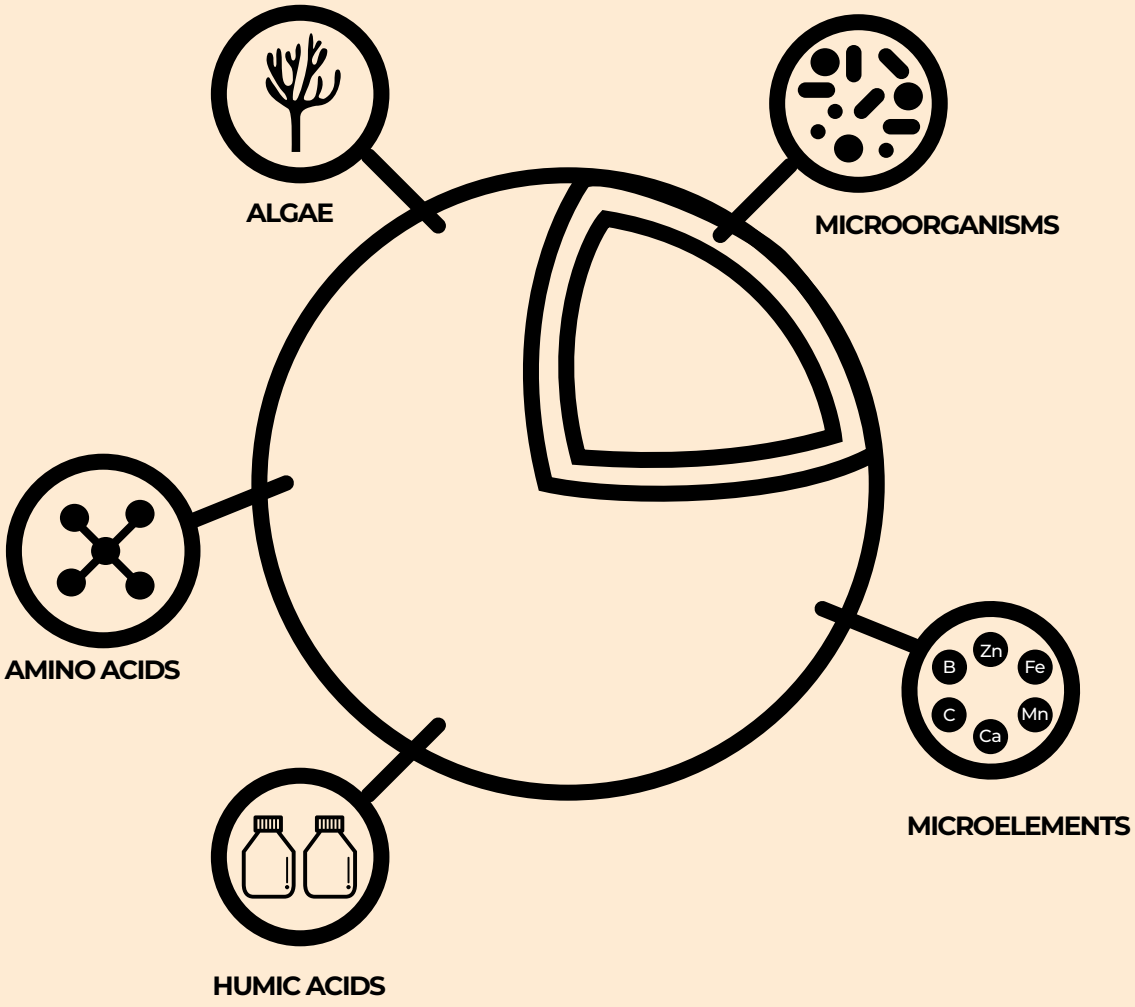
The composition and the concentration of the coating differ depending on the specific nutrient to be produced and its uses.

The activated fertilizers can be used on various crops, extensive, arboreal and horticultural.

The activation of a granular fertilizer can offer several advantages such as:
- **increase nutrient use efficiency**
- **reduce working costs, eliminating the need for multiple applications (use of inhibitors)**
- **insert spores of microbial species that solubilize nutrients blocked in the soil**
- **stimulate the roots with biostimulants (algae cream and amino acids)**

The plant is sized in order to have maximum industrial elasticity and maximum precision in formulation (guarantee of accuracy of 0,1%).

COATING : HOW TO BIOACTIVATE A GRANULA FERTILIZER



NUECR4

THE EFFICIENT FERTILIZER

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

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The granule of fertilizers, once distributed in the soil, hydrates, the nitrogen (NH_4^+) and the other cations (Mg, Ca, Mn, etc.) solubilizes and thanks to **NUECR4 Technology** they are retained through **cationic retention**.The release of the retained cations takes place gradually over time allowing plant to use the elements more efficiently.

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

Advantages of NUECR4®

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

NUECR4 fertilizers are mineral or organo-mineral and are available in different formats of 25, 300 and 600 KG.


NUECR4
THE EFFICIENT FERTILIZER

NUECR4 technology
The efficient use of nutrients "NUE"

The "Nutrient Use efficancy" (NUE) of nutrients is a fundamental characteristic in the nutrition of plants which absorb elements according to their own properties and necessities.
Agronomic NUE represents the quantity of a nutrient absorbed by the plant and transformed into a finished agricultural product (ex. wheat, apple, pear, salad...).

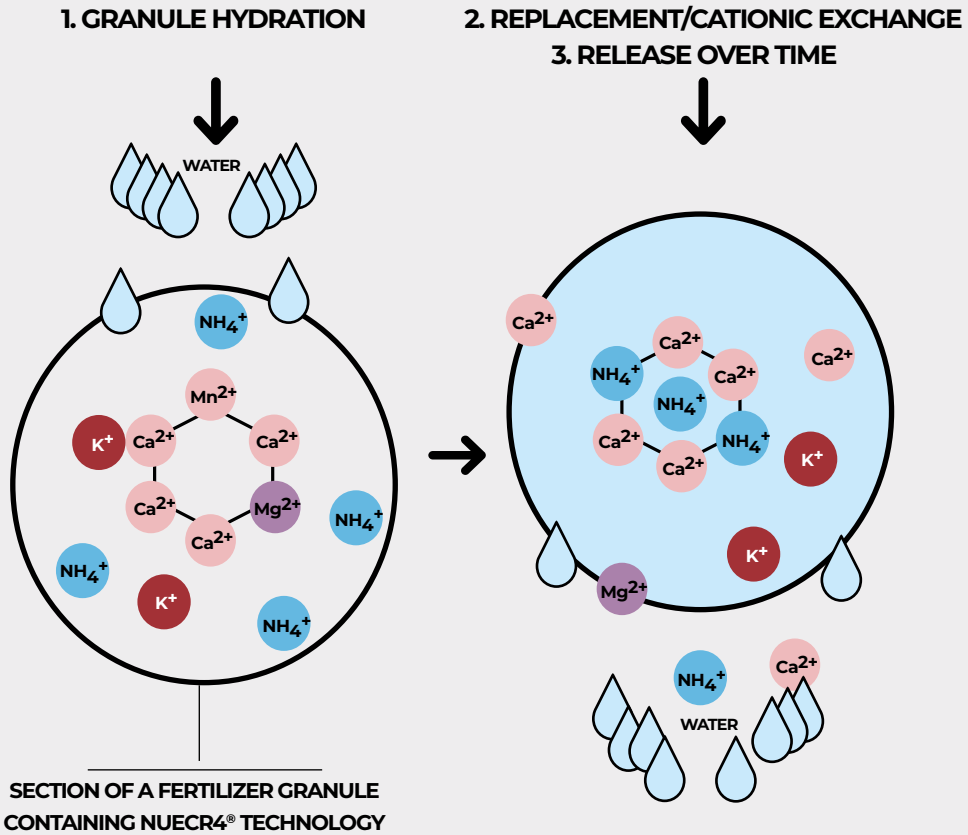
The more elevated is the fertilizer NUE, the better is its environmental profile (fewer losses in the ecosystem) and the more efficient is agriculture (food production with fewer resources and an increased sustainability). NUE is influenced by: the setting in which we operate (open field, greenhouse, conventional agriculture in soil or soilless etc...); growing season; crop (field crops or fruit trees); genetics; quality of technical means (fertilizers).

The NUECR4® technology contained in our granular fertilizers improves nutrients NUE.

What is the NUECR4® technology?

CR is the acronym for **"Cationic Retention"**: the fertilizer granules behave as the clay of the soil, by retaining cations and subsequently releasing them over time.

How does NUECR4® work?



Control (slow release Nitrogen)

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

Control is an NPK mineral compound fertilizer obtained by granulation with high-solubility and availability mineral matrices. It contains 5% of urea-formaldehyde which guarantees a constant **slow release** of nitrogen over time. The high content of water-soluble sulphur improves nitrogen absorption.
Control assists plant nutrition after the first vegetative stages by favouring the development of the root system.
It is indicated for horticultural crops, fruit trees and turf.

Title and composition

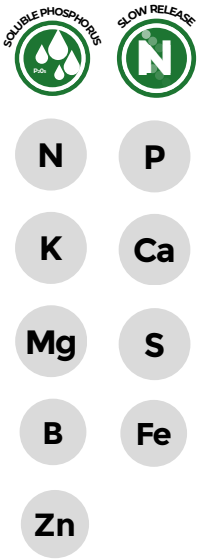
Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Iron (Fe)	Zinc (Zn)
12% (1) 5% (2)	6% (1) 6% (3) 5% (4)	14% (4)	4% (1) 2% (4)	2% (4)	30% (1) 28% (4)	0,02% (4)	1% (1)	0,01% (1)

(1) total - (2) slow release nitrogen (urea formaldehyde) - (3) soluble in neutral ammonium citrate and water - (4) water soluble

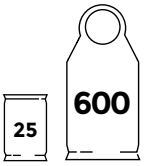
Dosages and uses

Crop	Broadcast dosages	Localized dosages	Period and method of use
Grapevine	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 fruits (lemon, orange, mandarin, etc.)	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Stone fruit (peach, nectarine, cherry, etc.)	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Plant nursery and garden plant	350-550 kg/ha	175-275 kg/ha	pre-sowing, pre-transplant
Sod	30-50 gr/m2	-	pre-sowing/sowing
Walnut, hazelnut, chestnut	350-450 kg/ha	175-225 kg/ha	post-harvest/vegetative growth
Open field horticultural in greenhouse	300-500 kg/ha	150-250 kg/ha	pre-sowing, pre-transplant

FORMULATION



PACKAGING



TYPOLOGY

GRANULAR

Blurain

10.12.16+2MgO+20SO_3+0.01B+1Fe+0.01Zn

Blurain is an NPK mineral compound fertilizer with microelements obtained by granulation. Its formulation is based on the technology "NUECR4®" developed by Cerea FCP, providing the fertilizer with the following characteristics:

- it increases the Nutrient Use Efficiency (NUE)
- it slowly releases elements
- it supports a vigorous and constant plant growth from the earliest vegetative phases
- it increases yield
- it promotes environmental sustainability

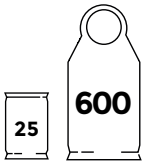
Blurain is indicated for fruit trees, small fruits, horticultural crops in open field and in greenhouse. Ideal for basal application or localized (starter technique).

FORMULATION

SOLUBLE PHOSPHORUS

N P K Mg S B Fe Zn

PACKAGING



TYPOLOGY

GRANULAR

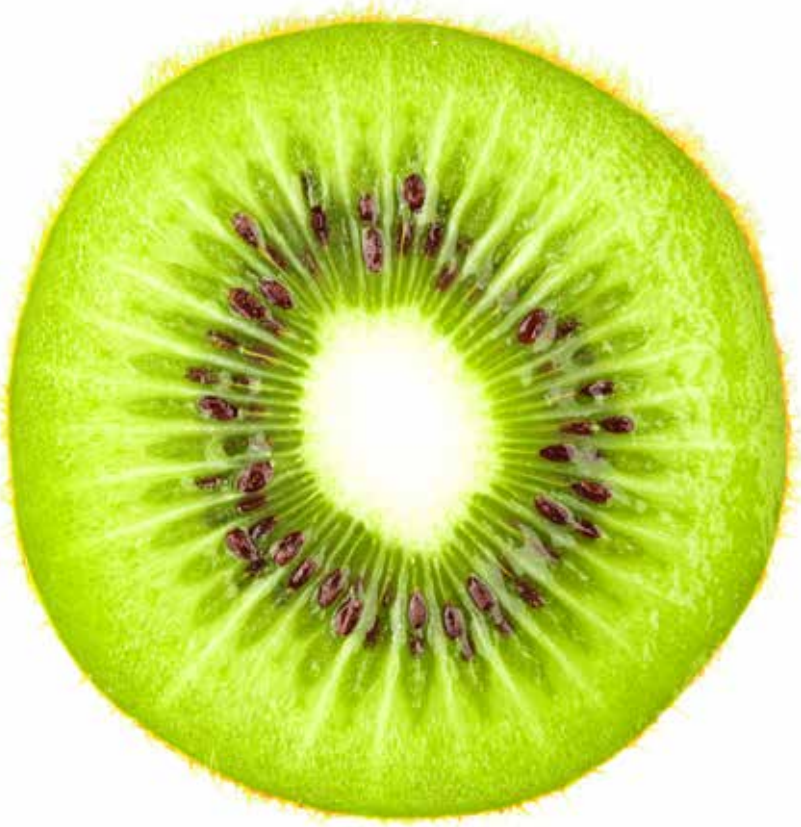
Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Iron (Fe)	Zinc (Zn)
10% 8,5% (4) 1,5% (5)	12 %(1) 9% (2)	16% (2)	2% (3) 1,5% (2)	20% (2)	0,01%	1%	0,01%

(1) soluble in neutral ammonium citrate and water - (2) water soluble - (3) total - (4) ammoniacal - (5) ureic

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	350-500 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	350-500 kg/ha	post-harvest/vegetative growth
Grapevine	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
Walnut, hazelnut, chestnut	350-500 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	350-500 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	350-500 kg/ha	post-harvest/vegetative growth
Olive tree (table)	400-600 kg/ha	post-harvest/vegetative growth
Extensive crops (corn, sorghum, sunflower, rapeseed)	200-300 kg/ha	localized at sowing
Horticultural in greenhouse (tomato, cucumber, etc.)	400-600 kg/ha	pre-transplant
Industrial crops (tomato, potato, sugarbeet)	400-600 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	300-500 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	350-550 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	350-550 kg/ha	pre-transplant
Garlic, onion, leek	350-550 kg/ha	pre-sowing, pre-transplant



POWER

STARTER EFFECT

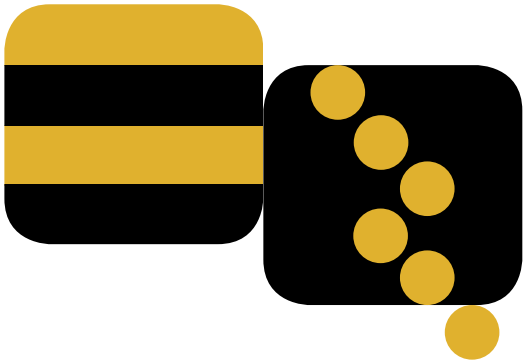
POWER is the new family of micro-granular fertilizers, mineral and organo-mineral, obtained by granulation.

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 (0.7 - 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, especially 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.

Power fertilizers are available in different packaging sizes: 25 and 300 kg.



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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Calcium (CaO)	Sulphur (SO_3)	Density
9% (1)	28% (2) 26% (3)	4% (3)	15% (3)	0,90 kg/dm³

(1) total - ammoniacal - (2) soluble in neutral ammonium citrate and water - (3) water soluble

FORMULATION

SOLUBLE PHOSPHORUS

N P Ca S

PACKAGING

TYPOLOGY

MICROGRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	30-50 kg/ha	localized at sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	30-50 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	30-50 kg/ha	localized at sowing
Industrial crops (tomato, potato, sugarbeet)	40-60 kg/ha	localized at sowing/at transplant
Cotton	30-50 kg/ha	localized at sowing
Open field horticultural in greenhouse	40-60 kg/ha	localized at sowing/at transplant
Strawberry	30-50 kg/ha	localized at transplant

SuperPower Humic

9.29+8CaO+18SO_3+0,07B+0,1Zn+Humic Acids

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 horticultaral.

Title and composition

Nitrogen (N)	Phospshorus (P_2O_5)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Zinc (Zn)	Density
9% (1)	29% (2) 28% (3)	8% (1)	18% (3)	0,07% (3)	0,1% (1)	0,90 kg/dm^3
Containss humic acids						

(1) total - ammoniacal - (2) soluble in neutral ammonium citrate and water - (3) water soluble

Dosages and uses

Crop	Dosages	Period and method of use
Extensive crops (corn, sorghum, sunflower, rapeseed)	30-50 kg/ha	localized at sowing
Industrial crops (tomato, potato, sugarbeet)	40-60 kg/ha	localized at sowing/at transplant
Strawberry	30-50 kg/ha	localized at transplant
Straw cereals (wheat, barley, rye, etc.)	30-50 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	30-50 kg/ha	localized at sowing
Cotton	30-50 kg/ha	localized at sowing
Open field horticultural in greenhouse	40-60 kg/ha	localized at sowing/at transplant

FORMULATION

N P Ca S Me

PACKAGING

TYPOLOGY

MICROGRANULAR

SuperPower Plus

9.29+4CaO+15SO_3+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.

Title and composition

Nitrogen (N)	Phosohorus (P_2O_5)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Zinc (Zn)	Density
9% (1)	29% (2) 27% (3)	4% (3)	15% (3)	0,07% (3)	0,1% (1)	0,90 kg/dm^3

(1) total - ammoniacal - (2) soluble in neutral ammonium citrate and water - (3) water soluble

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	30-50 kg/ha	localized at sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	30-50 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	30-50 kg/ha	localized at sowing
Industrial crops (tomato, potato, sugarbeet)	40-60 kg/ha	localized at sowing/at transplant
Cotton	30-50 kg/ha	localized at sowing
Open field horticultura l in greenhouse	40-60 kg/ha	localized at sowing/at transplant
Strawberry	30-50 kg/ha	localized at transplant

FORMULATION

SOLUBLE PHOSPHORUS

N P Ca S Me

PACKAGING

TYPOLOGY

MICROGRANULAR

SuperPower Extra

8.41+5CaO+6SO_3+0.1B+0.02Cu+0.5Fe+0.5Zn

SuperPower Extra is a mineral micro-granular (0.7 - 1.7 mm) 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Copper (Cu)	Iron (Fe)	Zinc (Zn)	Density
8% (1)	41% (2) 37% (3)	5% (3)	6% (3)	0,1% (1)	0,02% (3)	0,5% (1)	0,5% (1)	0,90 kg/dm³

(1) total - ammoniacal - (2) soluble in neutral ammonium citrate and water - (3) water soluble

Dosages and uses

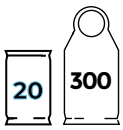
Crop	Dosages	Period and method of use
Industrial crops (tomato, potato, sugarbeet)	35-50 kg/ha	localized at sowing/at transplant
Strawberry	30-50 kg/ha	localized at transplant
Open field horticultural in greenhouse	35-50 kg/ha	localized at sowing/at transplant
Extensive crops (corn, sorghum, sunflower, rapeseed)	30-50 kg/ha	localized at sowing
Straw cereals (wheat, barley, rye, etc.)	30-50 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	30-50 kg/ha	localized at sowing
Cotton	30-50 kg/ha	localized at sowing

FORMULATION

SOLUBLE PHOSPHORUS

N P Ca S Me

PACKAGING



TYPOLOGY

MICROGRANULAR

POWER - STARTER EFFECT

Power BioAger

4.6.10+10CaO+2MgO+16SO_3+3Fe+12C-Org

Power BioAger is a compound micro-granular organo-mineral NPK fertilizer (granulometry 1-2 mm) obtained by granulation from high quality raw materials alloed in organic farming. Its composition makes Power BioAger ideal for fruit trees, grapevine, 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Iron (Fe)	Organic carbon
4% (1) 4% (4)	6% (1) 6% (3)	10% (2)	10% (1)	2% (2)	16% (2)	3% (1)	12%
Low chlorine							

(1) total - (2) water soluble - (3) soluble only in mineral acids of which at least 55% of the declared title soluble in formic acid 2% - (4) organic

Dosages and uses

Crop	Dosages	Period and method of use
Open field horticultural in greenhouse	50-80 kg/ha	localized at sowing/at transplant
Industrial crops (tomato, potato, sugarbeet)	50-80 kg/ha	localized at sowing/at transplant
Strawberry	50-80 kg/ha	localized at transplant
Cotton	40-70 kg/ha	localized at sowing
Straw cereals (wheat, barley, rye, etc.)	40-70 kg/ha	localized at sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	40-70 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	40-70 kg/ha	localized at sowing

FORMULATION

N P K Ca Mg S C

PACKAGING

20 300

TYPOLOGY

MICROGRANULAR

POWER - STARTER EFFECT

Power BioMaster

6.5.13+16SO_3+8CaO+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, grapevine and vegetables. The conformation of the granule and its granulometry (1-2 mm) 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

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Sulphur (SO_3)	Calcium (CaO)	Iron (Fe)	Organic carbon
6% (1) 6% (2)	5% (1) 5% (4)	13% (3)	16% (3)	8% (1)	3% (1)	20%
Low chlorine						

(1) total - (2) organic - (3) water soluble - (4) Soluble in mineral acids of which at least 55% is soluble in formic acid 2%

FORMULATION

N P K S C

Dosages and uses

Crop	Dosages	Period and method of use
Industrial crops (tomato, potato, sugarbeet)	50-80 kg/ha	localized at sowing/at transplant
Open field horticultural in greenhouse	50-80 kg/ha	localized at sowing/at transplant
Strawberry	50-80 kg/ha	localized at transplant
Cotton	40-70 kg/ha	localized at sowing
Straw cereals (wheat, barley, rye, etc.)	40-70 kg/ha	localized at sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	40-70 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	40-70 kg/ha	localized at sowing

PACKAGING

TYPOLOGY

MICROGRANULAR

Power BioNascor

5.10+12CaO+8SO_3+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 (1-2 mm) makes it suitable for the starter technique at transplantor sowing. Power BioNascor is ideal for fertilizing cereals, vegetables and orchards.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)	Iron (Fe)	Organic carbon
5% (1) 5% (2)	10% (1)	1,5% (3)	12% (1)	8% (3)	6% (1)	12%

(1) total - (2) organic - (3) water soluble - (4) Soluble in mineral acids of which at least 55% is soluble in formic acid 2%

FORMULATION

N P K Ca Fe S C

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	40-70 kg/ha	localized at sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	40-70 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	40-70 kg/ha	localized at sowing
Industrial crops (tomato, potato, sugarbeet)	50-80 kg/ha	localized at sowing/at transplant
Cotton	40-70 kg/ha	localized at sowing
Open field horticultural in greenhouse	50-80 kg/ha	localized at sowing/at transplant
Strawberry	50-80 kg/ha	localized at transplant

PACKAGING

TYPOLOGY

MICROGRANULAR

ORGANIC

ECO FRIENDLY AGRICULTURE

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

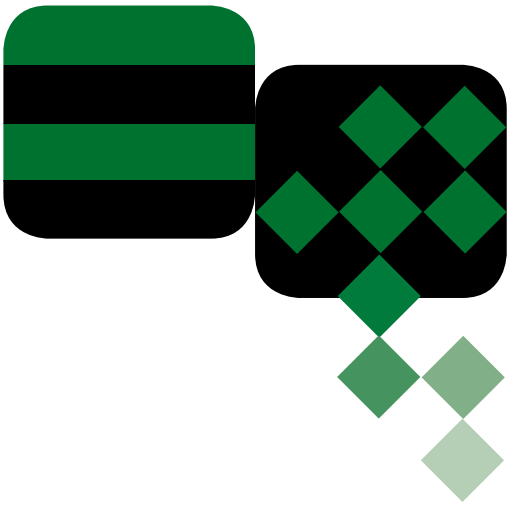
Organic is a family of high-quality granular fertilizers allowed in organic farming obtained by granulation. The formulations are ideal for basal and cover fertilizations. The variety of products offered allows us to guarantee the correct development of any crop while maintaining the choice of organic 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 use and application flexibility both with fertilizer spreaders in the open field and 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.

Organic fertilizers are available in 25 kg bags and 500 kg big-bags.



BioAger

4.6.10+10CaO+2MgO+16SO_3+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, grapevine, olive trees, and horticultural crops.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Iron (Fe)	Organic carbon
4% (1) 4% (2)	6% (1) 6% (3)	10% (4)	10% (1)	2% (4)	16% (4)	3%	12%
Low chlorine							

(1) total - (2) organic - (3) soluble in mineral acids of which at least 55 % of the declared content is soluble in 2 % formic acid - (4) water soluble

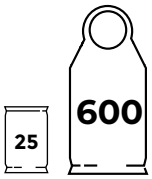
Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	400-600 kg/ha	pre-sowing/sowing
Straw cereals and Extensive crops (corn, sorghum, sunflower, rapeseed)	400-600 kg/ha	pre-sowing/sowing
Legumes (soya, bean,pea, etc.)	400-600 kg/ha	pre-sowing/sowing
Horticultural in greenhouse (tomato, cucumber, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Industrial crops (tomato, potato, sugarbeet)	700-900 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, arti-choke, carrot, strawberry)	700-900 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	600-800 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	600-800 kg/ha	pre-sowing, pre-transplant
Stone fruit (peach, nectarine, cherry, etc.)	700-900 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	600-800 kg/ha	post-harvest/vegetative growth
Kiwi	700-900 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	600-800 kg/ha	post-harvest/vegetative growth
Grapevine	600-800 kg/ha	post-harvest/vegetative growth
Table grape	700-900 kg/ha	post-harvest/vegetative growth

FORMULATION

N P K Ca Mg S C

PACKAGING



TYPOLOGY

GRANULAR

BioMaster

6.5.13+16SO_3+8CaO+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).

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Sulphur (SO_3)	Calcium (CaO)	Iron (Fe)	Organic carbon
6% (1) 6% (2)	5% (1) 5% (4)	13% (3)	16% (3)	8% (1)	3% (1)	20%
Low chlorine						

(1) total - (2) organic - (3) water soluble - (4) Soluble in mineral acids of which at least 55% is soluble in formic acid 2%

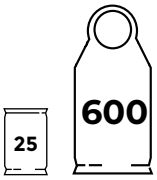
Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	700-900 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	600-800 kg/ha	post-harvest/vegetative growth
Kiwi	700-900 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	600-800 kg/ha	post-harvest/vegetative growth
Grapevine	600-800 kg/ha	post-harvest/vegetative growth
Table grape	700-900 kg/ha	post-harvest/vegetative growth
Olive tree	600-800 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	800-1000 kg/ha	post-harvest/vegetative growth
Straw cereals (wheat, barley, rye, etc.)	400-600 kg/ha	pre-sowing/sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	400-600 kg/ha	pre-sowing/sowing
Legumes (soya, bean,pea, etc.)	400-600 kg/ha	pre-sowing/sowing
Horticultural in greenhouse (tomato, cucumber, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Industrial crops (tomato, potato, sugarbeet)	700-900 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	700-900 kg/ha	pre-sowing, pre-transplant
Leafy vegetable, cucurbitaceae, cabbages	600-800 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	600-800 kg/ha	pre-sowing, pre-transplant

FORMULATION

N P K S Ca Fe C

PACKAGING



TYPOLOGY

GRANULAR

BioNascor

5.10+12CaO+8SO_3+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).

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)	Iron (Fe)	Organic carbon
5% (1) 5% (2)	10% (1)	1,5% (3)	12% (1)	8% (4)	6% (1)	12%

(1) total - (2) organic - (3) water soluble - (4) Soluble in mineral acids of which at least 55% is soluble in formic acid 2%

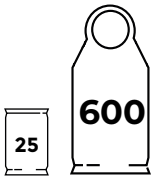
Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	400-600 kg/ha	pre-sowing/sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	400-600 kg/ha	pre-sowing/sowing
Legumes (soya, bean,pea, etc.)	400-600 kg/ha	pre-sowing/sowing
Industrial crops (tomato, potato, sugarbeet)	300-500 kg/ha	pre-sowing, pre-transplant; localized
Alfalfa	500-700 kg/ha	pre-sowing/sowing
Open field horticultural in greenhouse	300-500 kg/ha	pre-sowing, pre-transplant

FORMULATION

N P K Ca Fe S C

PACKAGING



TYPOLOGY

GRANULAR

FERT

THE BENEFIT 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.

Fert fertilizers are available in 25 kg bag and 600 kg big-bag.

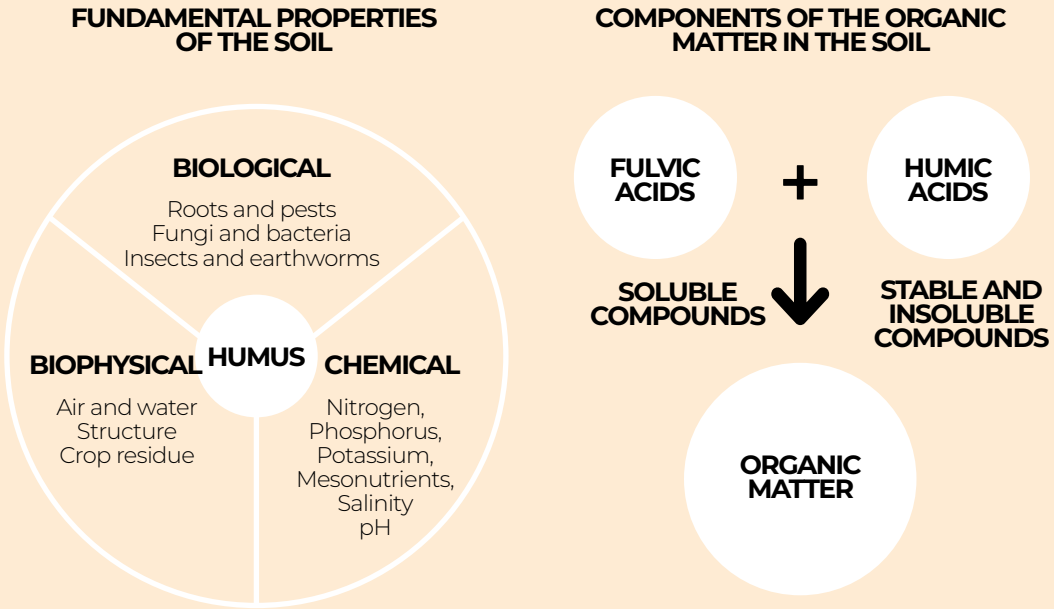
Organic matter, humus and humic acids in our fertilizers

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 1).

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 is composed of humic and fulvic accids. The first ones are stable insoluble compounds, while the second ones are soluuble products. This characteristic allows to extract and separate the two fundamental components of the organic matter and to obtain solid or liquid 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.



(figure 1)

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

Vinfrutto

8.6.14+3CaO+2MgO+30SO_3+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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Iron (Fe)	Zinc (Zn)	Carbon (C)
8% (1) 2% (2)	6% (1) 5% (3) 3% (4)	14% (4)	3% (4)	2% (4)	30% (4)	0,01% (4)	0,5% (4)	0,01% (4)	7,5% (2)
Low chlorine									
Contains Humic Acids									

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

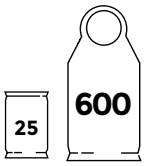
Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Kiwi	600-800 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	600-800 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	600-800 kg/ha	vegetative growth
Small fruits (blackberry, raspberry, blueberry, etc.)	300-500 kg/ha	post-harvest/vegetative growth
Grapevine	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Olive tree	400-600 kg/ha	vegetative growth
Horticultural in greenhouse (tomato, cucumber, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Industrial crops (tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables, cucurbitaceae, cabbages	500-700 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

FORMULATION

N P K Ca Mg S B Fe Zn C

PACKAGING



TYPOLOGY

GRANULAR

Ortoplus

8.16.8+5CaO+25SO_3+0,01B+0,02Zn+7,5C-Org 2N-Org

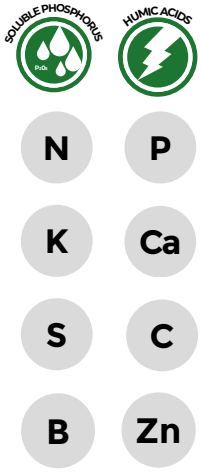
Ortoplus is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. It has a high content of soluble phosphorus, therefore easily absorbed by the plant. Moreover, the presence of humic acids allows a better assimilation of nutrients.
It contains 2% of slow-release organic nitrogen which guarantees a constant absorption over time

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K)	Calcium (CaO)	Sulfur (SO_3)	Boron (B)	Zinc (Zn)	Carbon (C)
8% (1) 2% (2)	16% (1) 14% (3) 12% (4)	8% (4)	5% (4)	25% (4)	0,01% (4)	0,02%	7,5% (2)
Low chlorine							
Contains Humic Acids							

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

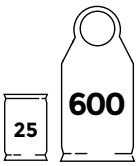
FORMULATION



Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Kiwi	600-800 kg/ha	post-harvest/vegetative growth
Grapevine	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
Open field horticultural (asparagus, artichoke, carrot, strawberry)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	300-500 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	300-500 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse (tomato, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

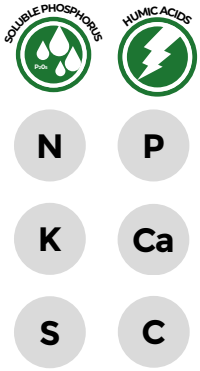
GRANULAR

Jolly

6.10.20+3CaO+22SO_3+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.

FORMULATION

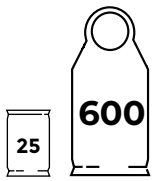


Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K)	Calcium (CaO)	Sulfur (SO_3)	Carbon (C)
6% (1) 2% (2)	10% (1) 8% (2) 6% (4)	20% (4)	3% (4)	22% (4)	7,5% (2)
Low chlorine					
Contains Humic Acids					

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

PACKAGING



TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit, pome fruit	400-600 kg/ha	post-harvest/vegetative growth
Kiwi	600-800 kg/ha	post-harvest/vegetative growth
Grapevine	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	600-800 kg/ha	post-harvest/vegetative growth
Industrial crops (tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Horticultural	600-800 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	500-700 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	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+28SO_3+7,5C-Org 2N-Org

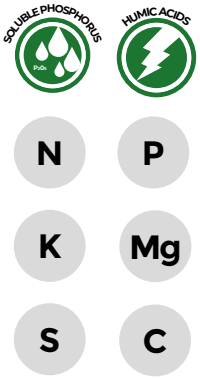
Vinfrutto Star is an NPK organo-mineral complexed fertilizer, which is balanced and complete. The high title and the low chlorine content make the product of elevated quality. The ratio among nutrients is balanced and ensures to the plant a complete and constant nutrition during the whole crop cycle. 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Magnesium (MgO)	Solphur (SO_3)	Carbon (C)
10% (1) 2% (2)	10% (1) 9% (3) 8% (4)	15% (4)	2% (4)	28% (4)	7,5% (2)
Low chlorine					
Contains Humic Acids					

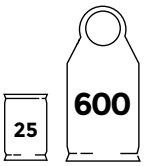
(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) soluble in water



Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Grapevine	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 (tomato, cucumber, etc.)	500-700 kg/ha	pre-transplant
Industrial crops (tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	400-600 kg/ha	pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

Granoro

10.20+4CaO+20SO_3+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

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Calcium (CaO)	Sulfur (SO_3)	Zinc (Zn)	Boron (B)	Carbon (C)
10% (1) 2% (2)	20% (1) 16% (3) 14% (4)	4% (4)	20% (4)	0,03% (1)	0,01% (4)	7,5% (2)
Contains Humic Acids						

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

FORMULATION

FOSFORO SOLUBILE

ACIDI UMICI

N P Ca S B Zn C

PACKAGING

25 600

TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method od use
Straw cereals (wheat, barley, rye, etc.)	200-400 kg/ha	pre-sowing/sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	200-400 kg/ha	pre-sowing/sowing
Legumes (soya, bean,pea, etc.)	200-400 kg/ha	pre-sowing/sowing
Industrial crops (tomato, potato, sugarbeet)	300-500 kg/ha	pre-sowing, pre-transplant, also localized
Alfalfa	300-500 kg/ha	pre-sowing/sowing
Open field horticultural in greenhouse	200-300 kg/ha	pre-sowing, pre-transplant

Flex

6.10.18+3CaO+2MgO+12SO_3+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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Zinc (Zn)	Boron (B)	Carbon (C)
6% (1) 2% (2)	10% (1) 8% (3) 6% (4)	18% (4)	3% (4)	2% (1)	12% (4)	0,03% (1)	0,01% (4)	7,5% (2)
Contains Humic Acids								

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

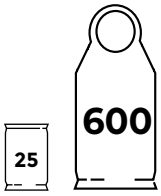
Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Kiwi	600-800 kg/ha	post-harvest/vegetative growth
Grapevine	400-600 kg/ha	post-harvest/vegetative growth
Table grape	600-800 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	600-800 kg/ha	post-harvest/vegetative growth
Straw cereals (wheat, barley, rye, etc.)	200-400 kg/ha	pre-sowing/sowing
Legumes (soya, bean,pea, etc.)	200-400 kg/ha	pre-sowing/sowing
Industrial crops (tomato, potato, sugarbeet)	600-800 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse (tomato, cucumber, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	600-800 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	500-700 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	600-800 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	600-800 kg/ha	pre-sowing, pre-transplant

FORMULATION

N P K Ca S Mg B Zn C

PACKAGING



TYPOLOGY

GRANULAR

Ortofrutto Special

12.6.6+3CaO+26SO_3+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.

Title and composition

Nitrogen (N)	Phospshorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Carbon (C)
12% (1) 1% (2)	6% (1) 5% (3) 4% (4)	6% (4)	3% (4)	26% (4)	0,01% (4)	7,5% (2)
Contains Humic Acids						

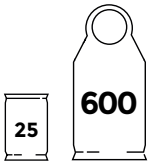
(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

FORMULATION

SOLUBLE PHOSPHORUS HUMIC ACIDS

N P K Ca S B C

PACKAGING



TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	450-650 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	450-650 kg/ha	post-harvest/vegetative growth
Grapevine	400-600 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	450-650 kg/ha	post-harvest/vegetative growth
Olive tree (table)	450-650 kg/ha	post-harvest/vegetative growth
Horticultural in greenhouse (tomato, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	350-550 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	350-550 kg/ha	pre-sowing, pre-transplant

Ortofrutto Special Top

14.5.5+2CaO+30SO_3+0,01B+7,5C-Org 1N-Org

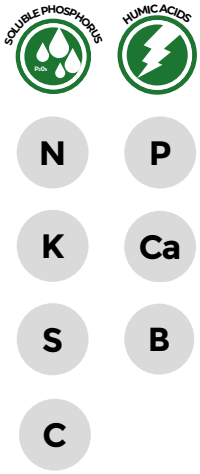
Ortofrutto Special Top is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. It has a high content of soluble phosphorus, easy to be absorbed by the plant. The presence of humic acids guarantees a better assimilation 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.

Title and composition

Nitrogen (N)	Phospshorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Carbon (C)
14% (1) 1% (2)	5% (1) 4% (3) 3% (4)	5% (4)	2% (4)	30% (4)	0,01% (4)	7,5% (2)
Contains Humic Acids						

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

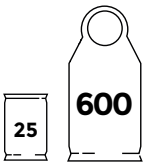
FORMULATION



Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	450-650 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	450-650 kg/ha	post-harvest/vegetative growth
Grapevine	400-600 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	450-650 kg/ha	post-harvest/vegetative growth
Olive tree (table)	450-650 kg/ha	post-harvest/vegetative growth
Horticultural in greenhouse (tomato, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	350-550 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	350-550 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

Master

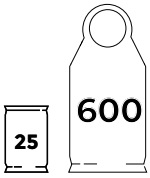
10.5.15+2CaO+22SO_3+7,5C-Org 2N-Org

Master is an organo-mineral NPK compound fertilizer obtained by granulation. It contains both organic and mineral matrices with a high nutritional value. The balanced nutritional composition makes it ideal for alkaline soils.
It contains soluble phosphorus, easy to be absorbed by the plant, and slow-release organic nitrogen. The presence of humic acids guarantees a better assimilation of nutrients. It is recommended for pre-sowing applications on extensive, horticultural and fruit crops.

FORMULATION

N P K Ca S C

PACKAGING



TYPOLOGY

GRANULAR

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)	Carbon (C)
10% (1) 2% (2)	5% (1) 4% (3) 3,5% (4)	15% (4)	2% (4)	22% (4)	7,5% (2)
Contains Humic Acids					

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Kiwi	500-700 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	600-800 kg/ha	post-harvest/vegetative growth
Small fruits (blackberry, raspberry, blueberry, etc.)	300-500 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (table)	400-600 kg/ha	post-harvest/vegetative growth
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	400-600 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

Master Plus

10.8.15+3CaO+2MgO+26SO_3+0,01B+0,03Zn+7,5C-Org 2N-Org

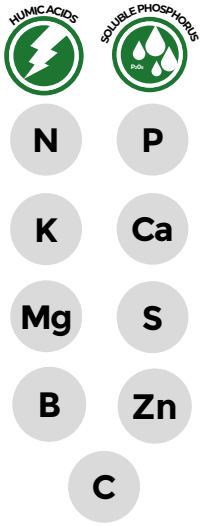
Master Plus is an organo-mineral NPK compound fertilizer obtained by granulation with highly soluble mineral matrices. It has a slightly acidic pH that facilitates the mobility of nutrients into the soil. The synergy between nitrogen and sulphur increases the protein content in crops.
It is ideal for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

Title and composition

Nitrogen (N)	Phospshorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Bor (B)	Zinc (Zn)	Carbon (C)
10% (1) 2% (2)	8% (1) 7% (3) 6% (4)	15% (4)	3% (4)	2% (1)	26% (4)	0,01% (4)	0,03% (1)	7,5% (2)
Contains Humic Acids								

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

FORMULATION



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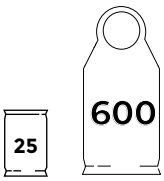


TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Kiwi	500-700 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	600-800 kg/ha	post-harvest/vegetative growth
Small fruits (blackberry, raspberry, blueberry, etc.)	300-500 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (table)	400-600 kg/ha	post-harvest/vegetative growth
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	400-600 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

Olivo

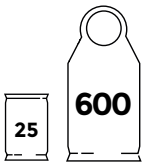
12.6.6+3CaO+26SO_3+0.01B+7,5C-Org 1N-Org

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.

FORMULATION

N P K Ca S B C

PACKAGING



TYPOLOGY

GRANULAR

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Carbon (C)
12% (1) 1% (2)	6% (1) 5% (3) 4% (4)	6% (4)	3% (4)	26% (4)	0,01% (4)	7,5%
Contains Humic Acids						

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

Dosages and uses

Crop	Dosages	Period and method of use
Olive tree (oil)	450-650 kg/ha	post-harvest/vegetative growth
Olive tree (table)	450-650 kg/ha	post-harvest/vegetative growth
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	450-650 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	450-650 kg/ha	post-harvest/vegetative growth
Grapevine	400-600 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth

Dual Band

7.22+3CaO+16SO_3+0,01Zn+7,5C-Org 1,5N-Org

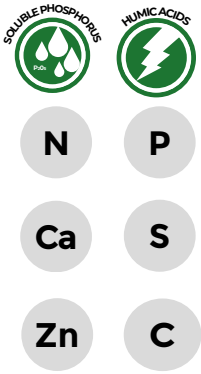
Dual Band is a NP organo-mineral fertilizer activated by humic and fulvic acids and obtained through granulation of selected raw materials.
Dual Band contains organic nitrogen of amino-acidic origin, zinc, calcium and sulphur, which all favour an optimal sprouting of the seed and development of the root system. The presence of humic and fulvic acids have a biostimulant action and, moreover, guarantees nutrient availability for the crop limiting processes of retro-gradation 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Calcium (CaO)	Sulfur (SO_3)	Zinc (Zn)	Carbon (C)
7% (1) 1,5% (2)	22% (1) 15% (3) 9% (4)	3% (4)	16% (4)	0,01% (1)	7,5% (2)
Contains Humic Acids					

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

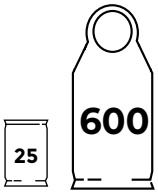
FORMULATION



Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	250-450 kg/ha	pre-sowing/sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	250-450 kg/ha	pre-sowing/sowing
Legumes (soya, bean,pea, etc.)	250-450 kg/ha	pre-sowing/sowing
Industrial crops (tomato, potato, sugarbeet)	350-550 kg/ha	pre-sowing, pre-transplant, also localized
Alfalfa	350-550 kg/ha	pre-sowing/sowing
Open field horticultura l in greenhouse	250-350 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

TrioStart

8.15.8+4CaO+16SO_3+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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Zinc (Zn)	Carbon (C)
8% (1) 2% (2)	15% (1) 13% (3) 11% (4)	8% (4)	4% (4)	16% (4)	0,01% (4)	0,03%	7,5% (2)

(1) total - (2) organic - (3) soluble in neutral ammonium citrate and water - (4) water soluble

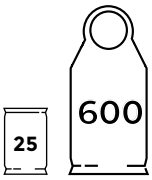
FORMULATION

N P K Ca S C

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	400-600 kg/ha	post-harvest/vegetative growth
Kiwi	600-800 kg/ha	post-harvest/vegetative growth
Grapevine	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
Open field horticultural (asparagus, artichoke, carrot, strawberry)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	300-500 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	300-500 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse (tomato, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

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.

Active fertilizers are available in 25 kg bags and 600 kg big-bags

Bluactive

11.11.16+2MgO+34SO_3+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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Zinc (Zn)
11% 9,5% (4) 1,5% (5)	11% (3) 9% (2)	16% (2)	2% (3) 1,5% (2)	36% (3) 34% (2)	0,01% (3)	0,01% (3)
Low chlorine						

(1) soluble in neutral ammonium citrate and water- (2) water soluble - (3) total - (4) ammoniacal - (5) ureic

Dosages and uses

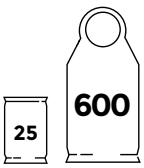
Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	500-700 kg/ha	post-harvest/vegetative growth
Kiwi	500-700 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	500-700 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Olive tree	500-700 kg/ha	post-harvest/vegetative growth
Extensive crops (corn, sorghum, sunflower, rapeseed)	200-300 kg/ha	localized at sowing
Legumes (soya, bean,pea, etc.)	200-400 kg/ha	pre-sowing/sowing
Horticultural in greenhouse (tomato, cucumber, etc.)	500-700 kg/ha	pre-transplant
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	300-500 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	400-600 kg/ha	pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant
Alfalfa	300-500 kg/ha	pre-sowing/Sowing

FORMULATION

SOLUBLE PHOSPHORUS

N P K Mg S B Zn

PACKAGING



TYPOLOGY

GRANULAR

Global

3.12.22+6CaO+2MgO+32SO_3

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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)
3%(1) 2% (2) 1% (3)	12% (1) 12% (4) 11% (5)	22% (5)	6% (1) 4% (5)	2% (5)	32% (1) 30% (5)
Low chlorine					

(1) total - (2) ammoniacal - (3) ureic - (4) soluble in neutral ammonium citrate and water- (5) water soluble

Dosages and uses

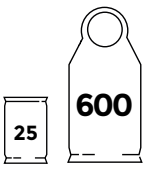
Crop	Dosages	Period and method of use
Tobacco	500-700 kg/ha	pre-sowing, pre-transplant
Stone fruit (peach, nectarine, cherry, etc.)	450-650 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	350-550 kg/ha	post-harvest/vegetative growth
Kiwi	450-650 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	450-650 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	450-650 kg/ha	post-harvest/vegetative growth
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse (tomato, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	450-650 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	450-650 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	450-650 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	500-700 kg/ha	pre-sowing, pre-transplant

FORMULATION

SOLUBLE PHOSPHORUS

N P K Ca Mg S

PACKAGING



TYPOLOGY

GRANULAR

Red Ball

12.6.15+6CaO+2MgO+39SO_3

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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)
12% (3) 9% (4) 3% (5)	6% (3) 4% (2) 6% (1)	15% (2)	6% (3) 3% (2)	2% (3) 1% (2)	39% (3) 37% (2)
Low chlorine					

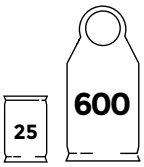
(1) soluble in neutral ammonium citrate and water- (2) water soluble - (3) total - (4) ureic

FORMULATION

FOSFORO SOLUBILE

N P K S Fe Ca

PACKAGING



TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	300-500 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Kiwi	400-600 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	400-600 kg/ha	vegetative growth
Small fruits (blackberry, raspberry, blueberry, etc.)	300-500 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	300-500 kg/ha	vegetative growth
Olive tree (table)	300-500 kg/ha	vegetative growth
Horticultural in greenhouse (tomato, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	300-500 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant

Base

6.12.18+10CaO+34SO_3

Base is an NPK mineral compound fertilizer obtained by granulation with high-solubility matrices. The balanced content of nitrogen, phosphorus and potassium guarantees a complete 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Sulphur (SO_3)
6%(3) 5% (4) 1% (5)	12% (3) 12% (1) 11% (2)	18% (2)	10% (3) 5% (2)	34% (3) 28% (2)
Low chlorine				

(1) soluble in neutral ammonium citrate and water- (2) water soluble - (3) total - (4) ammoniacal - (5) ureic

Dosages and uses

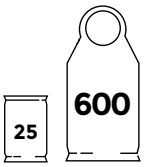
Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Kiwi	400-600 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse (tomato, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	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

FORMULATION

SOLUBLE PHOSPHORUS

N P K Ca S

PACKAGING



TYPOLOGY

GRANULAR

Mastercote (control release Nitrogen)

18.9.18+25SO_3

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 an improved 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Sulphur (SO_3)
18% (1) 12% (2)	9% (1) 8,5% (4) 9% (3)	18% (4)	25% (4)
Low chlorine			

(1) total - (2) controlled release coated urea - (3) soluble in neutral ammonium citrate and water - (4) water soluble

FORMULATION

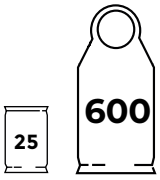
SOLUBLE PHOSPHORUS · CONTROL RELEASE

N · P · K · S

Dosages and uses

Crop	Broadcast dosages	Localized dosages	Period and method of use
Grapevine	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
Kiwi	300-500 kg/ha	150-250 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	200-400 kg/ha	100-200 kg/ha	post-harvest/vegetative growth
Stone fruit (peach, nectarine, cherry, etc.)	300-400 kg/ha	150-200 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-400 kg/ha	150-200 kg/ha	post-harvest/vegetative growth
Plant nursery and garden plant	300-500 kg/ha	150-250 kg/ha	pre-sowing, pre-transplant
Sod	30-50 gr/m2	-	pre-sowing/sowing
Walnut, hazelnut, chestnut	300-400 kg/ha	150-200 kg/ha	post-harvest/vegetative growth
Open field horticultural in greenhouse	200-400 kg/ha	100-200 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

Cereaphos

0.40.0+12CaO+5SO_3+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.

Title and composition

FORMULATION

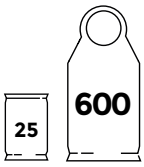
P Ca S B Zn

Phosphorus (P_2O_5)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Zinc (Zn)
40% (1) 36% (2) 40% (1)	12% (2)	5% (2)	0,01% (2)	0,01% (2)
Contains Humic Acids				

(1) soluble in neutral ammonium citrate and water - (2) water soluble - (3) total

Dosages and uses

PACKAGING



TYPOLOGY

GRANULAR

Crop	Dosages	period and method of use
Industrial crops (tomato, potato, sugarbeet)	300-500 kg/ha	pre-sowing, pre-transplant, also localized
Extensive crops (corn, sorghum, sunflower, rapeseed)	300-400 kg/ha	pre-sowing/Sowing
Open field horticultural in greenhouse	300-400 kg/ha	pre-sowing, pre-transplant
Straw cereals (wheat, barley, rye, etc.)	200-400 kg/ha	pre-sowing/Sowing
Legumes (soya, bean,pea, etc.)	200-400 kg/ha	pre-sowing/Sowing

Universal Up

9.30+6CaO+14SO_3+0,01B+0,03Zn

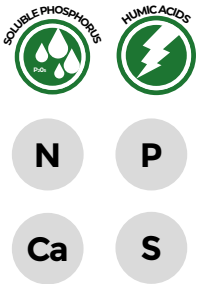
Universal Up is an NP mineral compound fertilizer activated with humic acids. It contains different forms of nitrogen (ammoniacal, ureic) and presents a high content of soluble phosphorus. Humic acids facilitate the absorption of nutrients and protect phosphorus from retrogradation (insolubility).
It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

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Calcium (CaO)	Sulphur (SO_3)	Boron (B)	Zinc (Zn)
9%(3) 7% (4) 2% (5)	30% (3) 26% (2) 28% (1)	6% (2)	14% (2)	0,01% (2)	0,03% (2)
Contains Humic Acids					

(1) soluble in neutral ammonium citrate and water - (2) water soluble - (3) total - (4) ammoniacal - (5) ureic

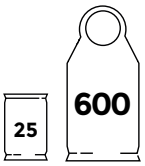
FORMULATION



Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	200-400 kg/ha	pre-sowing/Sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	300-400 kg/ha	pre-sowing/Sowing
Legumes (soya, bean,pea, etc.)	200-400 kg/ha	pre-sowing/Sowing
Industrial crops (tomato, potato, sugarbeet)	300-500 kg/ha	pre-sowing, pre-transplant, also localized
Open field horticultural in greenhouse	300-400 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

Land 30

10.6.15+5CaO+2MgO+31SO_3+0,01B+0,01Zn

Land 30 is an NPK mineral compound fertilizer obtained by granulation. The high amount of nitrogen in different forms (ammoniacal and ureic) and its synergy with sulphur improve the protein content in several crops. The presence of calcium, magnesium, sulphur, and microelements offers a complete nutrition to the plant. It is indicated for pre-sowing applications on cereal crops, oil crops and fruit trees.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Zinc (Zn)
10% (3) 8% (4) 2% (5)	6% (1) 5% (2)	15% (2)	5% (3) 3% (2)	2% (3)	31% (3) 28% (2)	0,01% (2)	0,01% (3)

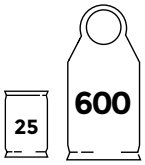
(1) soluble in neutral ammonium citrate and water - (2) water soluble - (3) total - (4) ammoniacal - (5) ureic

FORMULATION

SOLUBLE PHOSPHORUS

N P K Ca Mg S B Zn

PACKAGING



TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and methos of use
Stone fruit (peach, nectarine, cherry, etc.)	300-500 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Kiwi	400-600 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	300-500 kg/ha	vegetative growth
Olive tree (table)	300-500 kg/ha	vegetative growth
Horticultural in greenhouse (tomato, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	300-500 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant

Land Plus

10.8.15+3CaO+2MgO+31SO_3+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.

Title and composition

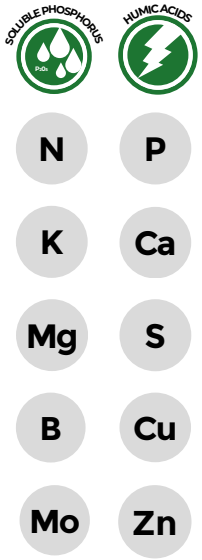
Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Copper (Cu)	Molibdeno (Mo)	Zinc (Zn)
10% (4) 8% (5) 2% (6)	8% (1) 6% (2) 5% (3)	15% (3)	3% (3)	2% (1) 1,5% (3)	31% (1) 28% (3)	0,01% (1)	0,01% (1)	0,001% (1)	0,01% (1)
Contains Humic Acids									

(1) total - (2) soluble in neutral ammonium citrate and water - (3) water soluble - (4) total - (5) ammoniacal - (6) ureic

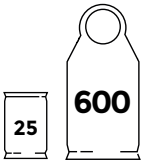
Dosages and uses

Crop	Dosages	Period and method of use
Grapevine	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
Walnut, hazelnut, chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Stone fruit (peach, nectarine, cherry, etc.)	300-500 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	300-500 kg/ha	vegetative growth
Olive tree (table)	300-500 kg/ha	vegetative growth
Horticultural in greenhouse (tomato, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	400-600 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	300-500 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant

FORMULATION



PACKAGING



TYPOLOGY

GRANULAR

Cerea Blu

11.11.16+2MgO+26SO_3+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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Magnesium (MgO)	Sulphur (SO_3)	Boron (B)	Iron (Fe)	Zinc (Zn)
11% (3) 9,5% (4) 1,5% (5)	11% (3) 9% (2) 11% (1)	16% (2)	2% (3) 1,5% (2)	26% (3) 22% (2)	0,01% (3)	0,5% (3)	0,01% (3)

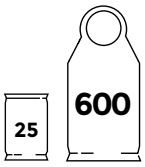
(1) soluble in neutral ammonium citrate and water - (2) water soluble - (3) total - (4) ammoniacal - (5) ureic

FORMULATION

SOLUBLE PHOSPHORUS

N P K Mg S B Fe Zn

PACKAGING



TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Grapevine	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
Walnut, hazelnut, chestnut	500-700 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (oil)	500-700 kg/ha	post-harvest/vegetative growth
Olive tree (table)	500-700 kg/ha	post-harvest/vegetative growth
Extensive crops (corn, sorghum, sunflower, rapeseed)	200-300 kg/ha	localized at sowing
Horticultural, industrial crops	500-700 kg/ha	pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	300-500 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	400-600 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	400-600 kg/ha	pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant
Alfalfa	300-500 kg/ha	pre-sowing/sowing

Super Red

14.7.7+7CaO+2MgO+38SO_3

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, oil crops, and fruit trees.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)
14% (3) 11% (4) 3% (5)	7% (3) 6% (2) 7% (1)	7% (2)	7% (3) 4% (2)	2% (3) 1% (2)	38% (3) 35% (2)

(1) soluble in neutral ammonium citrate and water - (2) water soluble - (3) total - (4) ammoniacal - (5) ureic

FORMULATION

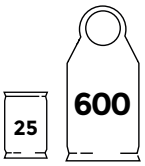
SOLUBLE PHOSPHORUS

N P K S

Dosages and uses

Crop	Dosages	Period and method of use
Olive tree (oil)	400-600 kg/ha	post-harvest/vegetative growth
Olive tree (table)	400-600 kg/ha	post-harvest/vegetative growth
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Walnut, hazelnut, chestnut	400-600 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Grapevine	300-500 kg/ha	post-harvest/vegetative growth
Table grape	400-600 kg/ha	post-harvest/vegetative growth
Open field horticultural (asparagus, artichoke, carrot, strawberry)	400-600 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	300-500 kg/ha	pre-sowing, pre-transplant
Cabbages (cabbage, cauliflower, etc.)	300-500 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

Terra 33

5.10.18+11CaO+2MgO+22SO_3

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, oil crops, fodder plants and fruit trees.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Magnesium (MgO)	Sulphur (SO_3)
5% (1) 3,5% (4) 1,5% (5)	10% (1) 5% (2) 4% (3) 7,5% (6)	18% (3)	11% (1) 6% (3)	2% (1) 1,5% (3)	22% (1) 20% (3)

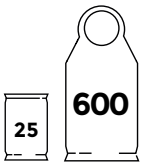
(1) total - (2) soluble in neutral ammonium citrate and water - (3) water soluble - (4) ammoniacal - (5) ureic - (6) soluble in formic acid

FORMULATION

SOLUBLE PHOSPHORUS

N P K Ca S Mg

PACKAGING



TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Legumes (soya, bean,pea, etc.)	200-400 kg/ha	pre-sowing/sowing
Straw cereals (wheat, barley, rye, etc.)	200-400 kg/ha	pre-sowing/sowing
Industrial crops (tomato, potato, sugarbeet)	500-700 kg/ha	pre-sowing, pre-transplant
Horticultural in greenhouse (tomato, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Open field horticultural (asparagus, artichoke, carrot, strawberry)	500-700 kg/ha	pre-sowing, pre-transplant
Leafy vegetables (lettuce, chicory, radicchio, spinach)	500-700 kg/ha	pre-sowing, pre-transplant
Cucurbitaceae (melon, watermelon, pumpkin, cucumber, etc.)	500-700 kg/ha	pre-sowing, pre-transplant
Garlic, onion, leek	400-600 kg/ha	pre-sowing, pre-transplant
Stone fruit (peach, nectarine, cherry, etc.)	400-600 kg/ha	post-harvest/vegetative growth
Pome fruit (apple, pear)	300-500 kg/ha	post-harvest/vegetative growth
Kiwi	400-600 kg/ha	post-harvest/vegetative growth
Grapevine	400-600 kg/ha	post-harvest/vegetative growth
Table grape	500-700 kg/ha	post-harvest/vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	500-700 kg/ha	post-harvest/vegetative growth

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.

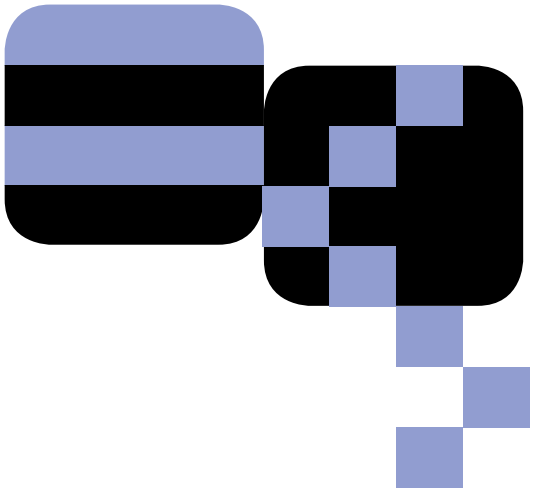
The fertilizers of the Speciality family are divided into two nitrogen types:

- **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.

They are available in 25 kg bags and 500 kg big-bags.



Stabilized Nitrogen

Some of our nitrogen fertilizers are characterized by a gradual release of the nitrogen element. The resulting advantage is a reduction in the volatilization losses of the ammoniacal nitrogen fraction ensuring a greater absorption of the element by the plant with a greater efficiency of nitrogen fertilization.

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 (NH_4^+) retained by soil colloids. Lastly, the ammoniacal nitrogen is transformed into nitric nitrogen (NO_3^-) 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 (N_2 and NO_x).

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

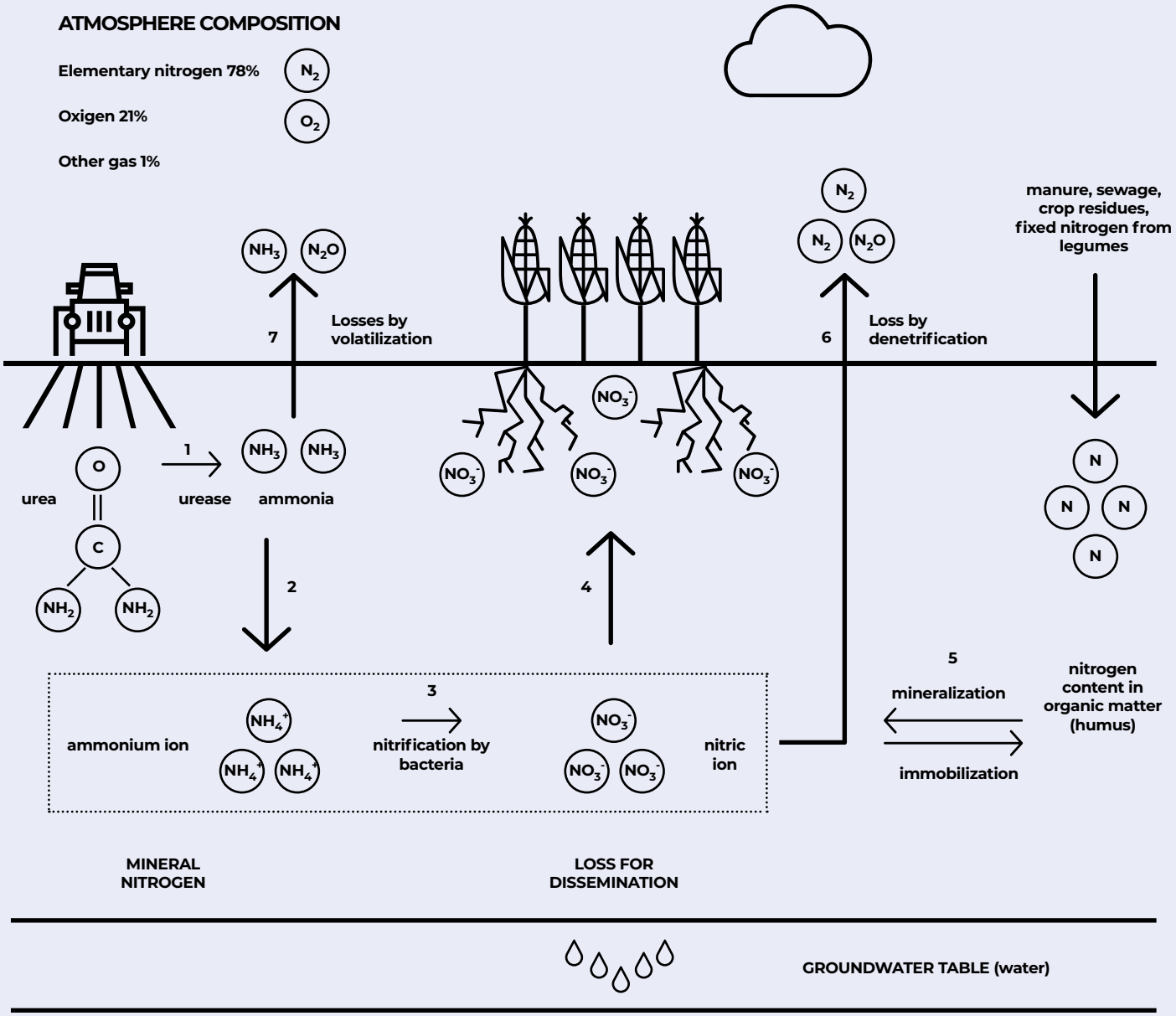
The approach that allows to increase the urea use efficiency is to **use molecules capable of inhibiting soil urease activity (NBPT), thus delaying the hydrolysis of urea.**

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**)


ATMOSPHERE COMPOSITION
Elementary nitrogen 78%
N_2
Oxigen 21%
O_2
Other gas 1%
N_2
N_2
N_2O
manure, sewage, crop residues, fixed nitrogen from legumes
NH_3
N_2O
7
Losses by volatilization
6
Loss by denetrification
NO_3^-
NO_3^-
NO_3^-
NO_3^-
O
urea
1
urease
NH_3
NH_3
ammonia
N
N
N
N
C
NH_2
NH_2
2
4
5
mineralization
immobilization
nitrogen content in organic matter (humus)
3
ammonium ion
NH_4^+
NH_4^+
NH_4^+
nitrification by bacteria
NO_3^-
NO_3^-
NO_3^-
nitric ion
MINERAL NITROGEN
LOSS FOR DISSEMINATION
GROUNDWATER TABLE (water)

CereaS 38

38.0.0+18SO_3

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.

FORMULATION

N S

Title and composition

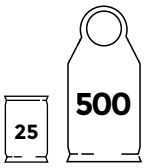
Nitrogen (N)	Sulphur (SO_3)
38% (1) 32% (2) 6% (3)	18 (4)

(1) total - (2) ureic - (3) ammoniacal - (4) water soluble

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	200-300 kg/ha	top dressing
Extensive crops (corn, sorghum, sunflower, rapeseed)	250-350 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus fruits (lemon, orange, mandarin, etc.)	300-400 kg/ha	from vegetative growth
Grapevine	250-350 kg/ha	vegetative growth
Table grape	300-400 kg/ha	from vegetative growth
Olive tree (oil)	250-350 kg/ha	vegetative growth
Olive tree (table)	250-350 kg/ha	vegetative growth
Fruit tree	200-300 kg/ha	vegetative growth

PACKAGING



TYPOLOGY

GRANULAR

Evolution 56

38.0.0+18SO_3 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.

FORMULATION

N S

Title and composition

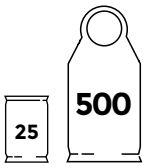
Nitrogen (N)	Sulphur (SO_3)
38% (1) 32% (2) 6% (3)	18% (4)
Activated with amino acids obtained from enzymatic hydrolysis	

(1) total - (2) ureic - (3) ammoniacal - (4) water soluble

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	150-250 kg/ha	top dressing
Extensive crops (corn, sorghum, sunflower, rapeseed)	200-300 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus fruits (lemon, orange, mandarin, etc.)	300-400 kg/ha	from vegetative growth
Grapevine	200-300 kg/ha	vegetative growth
Table grape	300-400 kg/ha	from vegetative growth
Olive tree (oil)	200-300 kg/ha	vegetative growth
Olive tree (table)	200-300 kg/ha	vegetative growth

PACKAGING



TYPOLOGY

GRANULAR

CereaSlow 33

33.0.0+30SO_3 with NBPT

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.

FORMULATION

STABILIZED NITROGEN

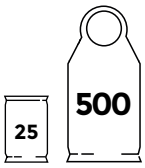
N S

Title and composition

Nitrogen (N)	Sulphur (SO_3)
33% (1) 23% (2) 10% (3)	30 (4)
inhibitor of urease: NBPT	

(1) total - (2) ureic - (3) ammoniacal - (4) water soluble

PACKAGING



TYPOLOGY

GRANULAR

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	200-300 kg/ha	top dressing
Extensive crops (corn, sorghum, sunflower, rapeseed)	250-350 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus fruits (lemon, orange, mandarin, etc.)	300-400 kg/ha	from vegetative growth
Grapevine	250-350 kg/ha	vegetative growth
Table grape	300-400 kg/ha	from vegetative growth
Olive tree (oil)	250-350 kg/ha	vegetative growth
Olive tree (table)	250-350 kg/ha	vegetative growth
Fruit tree	200-300 kg/ha	vegetative growth

CereaSlow 40

40.0.0+13SO_3 with NBPT

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.

Title and composition

Nitrogen (N)	Sulphur (SO_3)
40% (1) 35% (2) 5% (3)	13 (4)
inhibitor of urease: NBPT	

(1) total - (2) ureic - (3) ammoniacal - (4) water soluble

FORMULATION

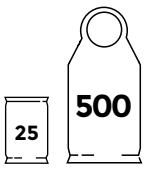
STABILIZED NITROGEN

N S

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	200-300 kg/ha	top dressing
Extensive crops (corn, sorghum, sunflower, rapeseed)	250-350 kg/ha	top dressing
Open field horticultural	200-400 kg/ha	top dressing
Citrus fruits (lemon, orange, mandarin, etc.)	250-350 kg/ha	from vegetative growth
Grapevine	250-350 kg/ha	vegetative growth
Table grape	250-350 kg/ha	from vegetative growth
Olive tree (oil)	250-350 kg/ha	vegetative growth
Olive tree (table)	250-350 kg/ha	vegetative growth
Fruit tree	200-300 kg/ha	vegetative growth

PACKAGING



TYPOLOGY

GRANULAR

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.

FORMULATION

STABILIZED NITROGEN

N

Title and composition

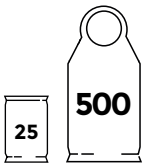
Nitrogen (N)
46% (1) 46% (2)
inhibitor of urease: NBPT

(1) total - (2) ureic

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	150-250 kg/ha	top dressing
Extensive crops (corn, sorghum, sunflower, rapeseed)	250-400 kg/ha	top dressing
Open field horticultural	200-350 kg/ha	top dressing
Citrus fruits (lemon, orange, mandarin, etc.)	250-350 kg/ha	from vegetative growth
Grapevine	200-300 kg/ha	vegetative growth
Table grape	200-300 kg/ha	from vegetative growth
Olive tree (oil)	200-300 kg/ha	vegetative growth
Olive tree (table)	200-300 kg/ha	vegetative growth
Fruit tree	200-300 kg/ha	vegetative growth

PACKAGING



TYPOLOGY

GRANULAR

StarSlow

30.15+2MgO with NBPT

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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Magnesium (MgO)
30% (1) 24% (2) 6% (3)	15% (4) 14% (5)	2% (1)
inhibitor of urease: NBPT		

(1) total - (2) ureic - (3) ammoniacal - (4) soluble in neutral ammonium citrate and water - (5) water soluble

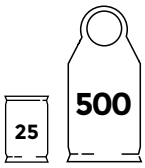
FORMULATION

N P Mg

Dosages and uses

Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	250-300 kg/ha	pre-sowing
Extensive crops (corn, sorghum, sunflower, rapeseed)	300-350 kg/ha	pre-sowing/mechanical weed
Open field horticultural	250-350 kg/ha	pre-sowing, pre-transplant

PACKAGING



TYPOLOGY

GRANULAR

Più Sprint

24.9.5+5CaO+2MgO+10SO_3+0,01B+0,02Fe+0,01Mn+0,002Zn 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K)	Sulphur (SO_3)	Calcium (CaO)	Magnesium (MgO)	Boron (B)	Iron (Fe)	Manganese (Mn)	Zinc (Zn)
24% (1) 20,5% (2) 3,5% (3)	9% (5) 8% (4)	5% (4)	10% (4)	5% (4)	2% (4)	0,01% (4)	0,02% (4)	0,01% (4)	0,002% (4)
Low chlorine									

(1) total - (2) ureic - (3) ammoniacal - (4) water soluble - (5) neutral ammonium citrate and water

FORMULATION

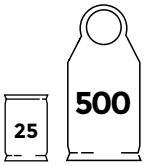
FOSFORO SOLUBILE

N P K Ca Mg S

Dosages and uses

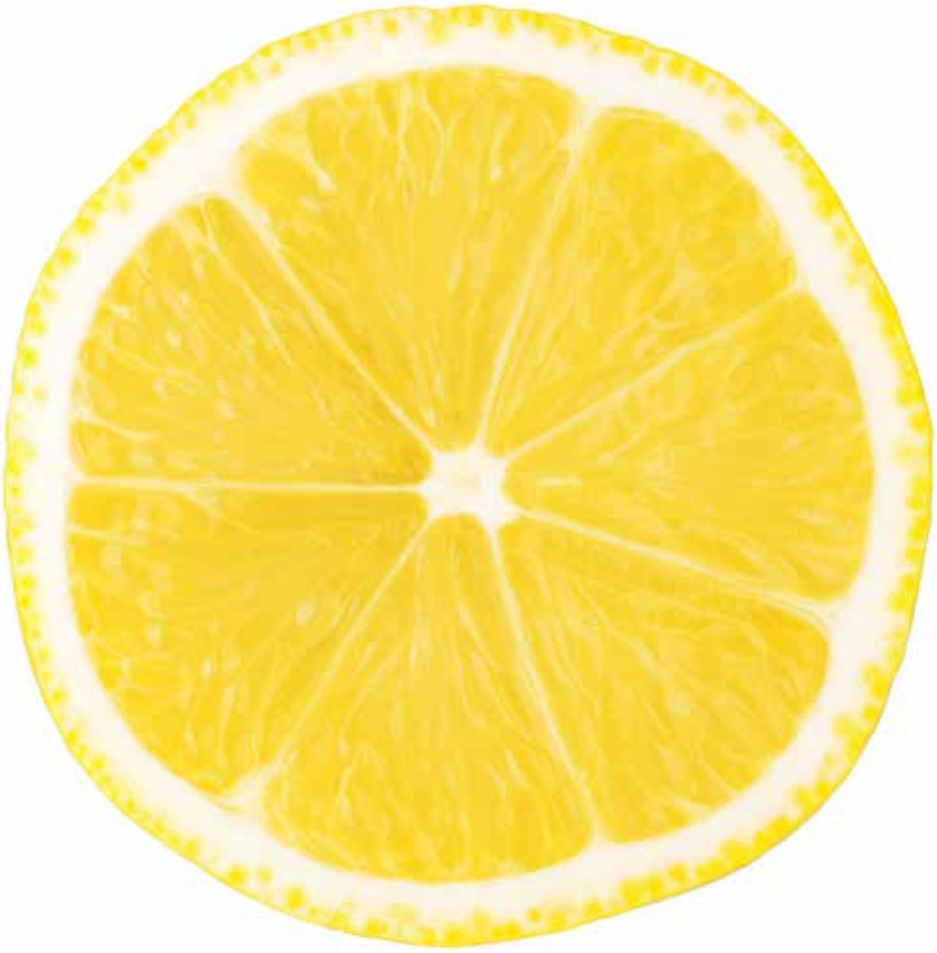
Crop	Dosages	Period and method of use
Straw cereals (wheat, barley, rye, etc.)	200-250 kg/ha	top dressing
Extensive crops (corn, sorghum, sunflower, rapeseed)	200-300 kg/ha	pre-sowing/mechanical weed
Open field horticultural	200-400 kg/ha	top dressing
Stone fruit (peach, nectarine, cherry, etc.)	350-450 kg/ha	vegetative growth
Pome fruit (apple, pear)	300-400 kg/ha	vegetative growth
Walnut, hazelnut, chestnut	300-400 kg/ha	vegetative growth
Kiwi	350-450 kg/ha	vegetative growth
Citrus fruits (lemon, orange, mandarin, etc.)	300-400 kg/ha	vegetative growth
Grapevine	300-400 kg/ha	vegetative growth
Table grape	350-450 kg/ha	vegetative growth
Olive tree (oil)	300-400 kg/ha	vegetative growth
Olive tree (table)	350-450 kg/ha	vegetative growth

PACKAGING



TYPOLOGY

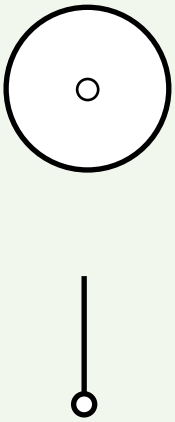
GRANULAR



WATER SOLUBLE

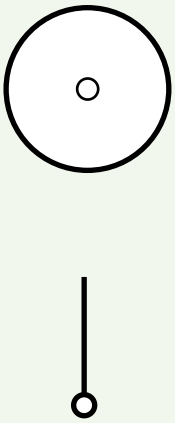
SPECIAL NUTRITION

NANO.T
REACTIVE
FUTURA
LEAF



GRANULAR

NUECR4
POWER
ORGANIC
FERT Premium
FERT
ACTIVE Premium
ACTIVE
SPECIALITY



WATER SOLUBLE

FERTIGATION

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

.

They are available in packaging of 10 and 25 kg.

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.

Title and composition

Nitroen (N)	Phosohorus (P_2O_5)	Potassium (K_2O)	Boron (B)	Iron EDTA (Fe)	Manganese EDTA (Mn)	Molybdenum (Mo)	Zinc EDTA (Zn)
20%	20%	20%	0,02%	0,07%	0,03%	0,003%	0,05%
Low chlorine							

FORMULATION

N P K Me

Dosages and uses

Crop	Fertigation Dosages	Foliar Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	30-50 kg/ha	250-300 g/hl	all vegetative stages
Pome fruit (apple, pear)	30-50 kg/ha	250-300 g/hl	all vegetative stages
Citrus fruits (lemon, orange, mandarin, etc.)	30-50 kg/ha	250-300 g/hl	all vegetative stages
Grapevine	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
Walnut, 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

PACKAGING

10 25

TYPOLOGY

CRYSTALLINE

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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Magnesium (MgO)	Boron (B)	Iron EDTA (Fe)	Manganese EDTA (Mn)	Molybdenum (Mo)	Zinc EDTA (Zn)
10%	40%	10%	20%	0,01%	0,03%	0,01%	0,001%	0,02%
Low chlorine								

FORMULATION

N P K Mg Me

Dosages and uses

Crop	Fertigation Dosages	Foliar Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	30-50 kg/ha	250-300 g/hl	vegetative growth, swelling and hardening of the hazel
Pome fruit (apple, pear)	30-50 kg/ha	250-300 g/hl	from vegetative growth to blossoming
Citrus fruits (lemon, orange, mandarin, etc.)	30-50 kg/ha	250-300 g/hl	from vegetative growth to blossoming
Grapevine	30-50 kg/ha	250-300 g/hl	from vegetative growth to blossoming
Table grape	30-50 kg/ha	250-300 g/hl	from vegetative growth to blossoming
Olive tree	30-50 kg/ha	250-300 g/hl	from vegetative growth to blossoming
Walnut, hazelnut, chestnut	30-50 kg/ha	250-300 g/hl	from vegetative growth to blossoming
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

PACKAGING

10 25

TYPOLOGY

CRYSTALLINE

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.

FORMULATION

N P K Mg Me

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Magnesium (MgO)	Boron (B)	Iron EDTA (Fe)	Manganese EDTA (Mn)	Molibdenum (Mo)	Zinc EDTA (Zn)
15%	5%	26%	2%	0,01%	0,03%	0,01%	0,001%	0,02%
Low chlorine								

PACKAGING

10 25

TYPOLOGY

CRYSTALLINE

Dosages and uses

Crop	Fertigation Dosages	Foliar Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	30-50 kg/ha	250-300 g/hl	from veraison
Pome fruit (apple, pear)	30-50 kg/ha	250-300 g/hl	from veraison
Citrus fruits (lemon, orange, mandarin, etc.)	30-50 kg/ha	250-300 g/hl	from fruit swelling
Grapevine	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
Walnut, 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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Calcium (CaO)	Boron (B)	Iron EDTA (Fe)	Manganese EDTA (Mn)	Molybdenum (Mo)	Zinc EDTA (Zn)
17%	6%	21%	8%	0,01%	0,03%	0,01%	0,001%	0,02%
Low chlorine								

FORMULATION

N P K Ca Me

Dosages and uses

Crop	Fertigation Dosages	Foliar Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	30-50 kg/ha	250-300 g/hl	from veraison
Pome fruit (apple, pear)	30-50 kg/ha	250-300 g/hl	from veraison
Citrus fruits (lemon, orange, mandarin, etc.)	30-50 kg/ha	250-300 g/hl	from fruit swelling
Grapevine	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
Walnut, 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

PACKAGING

10 25

TYPOLOGY

CRYSTALLINE

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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Magnesium (MgO)	Boron (B)	Iron EDTA (Fe)	Manganese EDTA (Mn)	Molybdenum (Mo)	Zinc EDTA (Zn)
7%	15%	30%	2%	0,01%	0,03%	0,01%	0,001%	0,02%
Low chlorine								

FORMULATION

N P K Mg Me

Dosages and uses

Crop	Fertigation Dosages	Foliar Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	30-50 kg/ha	250-300 g/hl	from unripe fruit
Pome fruit (apple, pear)	30-50 kg/ha	250-300 g/hl	from unripe fruit
Citrus fruits (lemon, orange, mandarin, etc.)	30-50 kg/ha	250-300 g/hl	from unripe fruit
Grapevine	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
Walnut, 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

PACKAGING

10 25

TYPOLOGY

CRYSTALLINE

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.

Title and composition

Nitrogen (N)	Phosphorus (P_2O_5)	Potassium (K_2O)	Boron (B)	Iron EDTA (Fe)	Manganese EDTA (Mn)	Molybdenum (Mo)	Zinc EDTA (Zn)
30%	10%	10%	0,02%	0,07%	0,03%	0,003%	0,05%
Low chlorine							

FORMULATION

N P K Me

Dosages and uses

Crop	Fertigation Dosages	Foliar Dosages	Period and method of use
Stone fruit (peach, nectarine, cherry, etc.)	30-50 kg/ha	250-300 g/hl	vegetative development
Pome fruit (apple, pear)	30-50 kg/ha	250-300 g/hl	vegetative development
Citrus fruits (lemon, orange, mandarin, etc.)	30-50 kg/ha	250-300 g/hl	vegetative development
Grapevine	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
Walnut, 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

PACKAGING

10 25

TYPOLOGY

CRYSTALLINE

NOTE

NOTE

team99.it

PRODUCTS CATALOGUE

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