

Agricultural Biospecialities



Innovative solutions for the
Crops Wellness



**CHOOSE YOUR
LANGUAGE
AND PRICELIST**



SKL
CROPS WELLNESS

SKL

Biosynthesis

In the global challenge of researching nutritional, biorational, and phytobiotic specialties, our organization stands out for its expertise, innovation, and dedicated services.

We improve constantly our experience in Plant Nutrition and Care, offering sensitivity, dedication, passion and energy for our work. We provide our customers with the best specialities and solutions to create the best performances in the field, with the lowest environmental impact. We work to build strong and long-term relationships with our customers through borders and cultures.

Markets, tastes and technologies are still in evolution, so we are in continuous research for the most advanced bio-solutions and formulations for plant wellness, providing our customers a wide range of products that allow:

- our customers to be competitive with best results;
- consumers to have healthier and safer food, produced respecting the increasingly strict standards regulation that protects man and environment from a large use of harmful chemical products.

Our final goal is to provide our customer the higher quality agricultural products and maximize the results with diligence and integrity, in line with a philosophy based on Quality, Competitive Prices and Reputation, using our energies for customers satisfaction.





Your partner in **'Crops Wellness'**

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Basic Substances

New

ZERO IMPACT
CROPS DEFENSE



CHITOSAN



Antibiotic action against pathogens and stimulator of plant defenses

COMPOSITION

- Chitosan hydrochloride 5% & 10%

CHARACTERISTICS

Chitosan, used in agriculture mainly through foliar applications or seed treatments, is a natural substance capable of activating numerous beneficial processes in crops. In addition to exerting an effective direct antibiosis action against parasites and pathogens, it promotes the microbial balance of the soil and rhizosphere, favoring the presence of microorganisms useful for plant health. Its application stimulates the self-defense mechanisms of crops, enhancing their resistance to biotic stress such as fungi and pathogenic bacteria. At the same time, Chitosan regulates important physiological functions, improving the growth and development of crops.

DOSAGES FOR USE

Chitosan is used on all crops as an elicitor and stimulator of the natural defenses of plants, in foliar applications and through seed treatment. The average dosage varies from 300-800 gr/hl. Consult the label for more detailed information.

NETTLE EXTRACT



Insecticide, Acaricidal and Fungicide Action

COMPOSITION

- Nettle 10%
- Formic Acid 0.01%
- Calcium 1.4%
- Silicon 0.42%

CHARACTERISTICS

Nettle Extract is a natural substance rich in essential nutrients for plants, including chlorophyll, flavonoids, tannins, carotenoids and mineral salts such as iron, sulfur, manganese, calcium, nitrogen and potassium. It also contains natural hormones that help strengthen the vitality and vigor of plants in the areas where it is applied. It is authorized by the European Union as a basic substance with insecticidal, acaricidal and fungicidal action, to be used by spraying or covering the soil.

DOSAGES FOR USE

Nettle Extract is used on all crops as an insecticide, acaricide and fungicide and for spraying or soil covering (mulching). The average dosage is 300 - 800 gr/hl. Consult the label for more detailed information.



Scan the QR Code and
visit our website



Regulation (EC) No 1107/2009

Basic Substances

According to the art. 23, paragraph 1 of the reg. (EC) n. 1107/2009, a Basic Substance:

- is not a potentially dangerous substance;
- does not possess an intrinsic ability to cause harmful effects on the endocrine system or neurotoxic or immunotoxic effects;
- is not used primarily for phytosanitary purposes, but is useful for this purpose;
- is not placed on the market as a phytosanitary product.

In general: Basic Substance is considered an active substance that meets the criteria of "food product" as defined in art. 2 of Reg. CE n.178 / 2002 on food safety.

Compared to plant protection products:

- a Basic Substance is approved for an unlimited period for all of Europe;
- no registration of the single product (or mixture of products) is required;
- there are no specific MLRs (except in rare cases);
- the product label, if used for phytosanitary purposes, must indicate that the

Basic Substance contained is approved in accordance with Art. 23 of the Reg. (EC) n. 1107/2009

SUMMARY

CHITOSAN

CHITOSAN VEG

WILLOW BARK

EQUISETUM ARVENSE

NETTLE EXTRACT

SOY LECITHIN

SUNFLOWER OIL

HYDROGEN PEROXIDE

TALC

SODIUM BICARBONATE

MUSTARD PELLETS

FRUCTOSE

WHEY MILK

CALCIUM HYDROXIDE

VINEGAR

ONION BULB EXTRACT



Basic Substances



Chitosan	
Antibiotic action against pathogens Animal origin	
Chitosan hydrochloride	5% & 10%
Appearance	sediment-free solution
Solid content	> 6%
pH	3.7 - 4.3
Specific weight	1.02 - 1.04

Chitosan, extracted from exoskeleton of crustaceans, when applied foliar or for seed treatment, induces a series of beneficial responses in numerous crops:

- direct antibiosis against crop pests and pathogens;
- increases the number of microorganisms beneficial to the plant;
- stimulates plant defenses against biotic stresses;
- regulates plant growth, development, nutrition, and tolerance to abiotic stresses.



Chitosan Veg	
Antibiotic action against pathogens Vegetal origin (fungi)	
Chitosan hydrochloride	5% & 10%
Appearance	sediment-free solution
Solid content	> 6%
pH	3.7 - 4.3
Specific weight	1.02 - 1.04

Chitosan, extracted from vegetal origin (fungi), when applied foliar or for seed treatment, induces a series of beneficial responses in numerous crops:

- direct antibiosis against crop pests and pathogens;
- increases the number of microorganisms beneficial to the plant;
- stimulates plant defenses against biotic stresses;
- regulates plant growth, development, nutrition, and tolerance to abiotic stresses.



Willow Bark	
Elicitor of crops self defense mechanisms with fungicide action	
Powder Salix cortex	100%
Purity	Agricultural Grade

Willow Bark is rich in various compounds, particularly polyphenols and salicylic acid. Its use has long been established in Organic and biodynamic Agriculture practices as support for crop self-defense mechanisms against fungal adversities. The use of dehydrated powder gives the product increased shelf life. Controls and prevents Peach Leaf Curl (*Taphrina deformans*), Apple Scab (*Venturia inaequalis*), Grape and Apple Powdery Mildew (*Erysiphe necator*), Grape Downy Mildew (*Plasmopara viticola*).



Equisetum arvense	
It opposes the active penetration of fungal pathogens	
Equisetum arvense	
Botanical classification	Equisetum arvense
Part used	Sterile aerial stems
Purity	Agricultural Grade

Equisetum arvense has long been known in Organic and Biodynamic Agriculture for its preventive effects on fungal diseases. Its use is authorized in horticulture, fruit trees, red fruits (berries), vines, and its effectiveness has been demonstrated in the control and prevention of Molds, Alternaria, and Rusts. Its efficacy is based on its stimulating action on plant defense mechanisms, thanks to its content of Silicon bound to proteins and salts rich in Potassium and Magnesium, along with saponins, flavonoids, and tannins.



Nettle extract

Insecticide, acaricide and Fungicide action

Nettle Extract or Nettle Macerate
(*Urtica dioica* e *Urtica urens*)

Nettle	10%
Formic Acid	0,01%
Calcium	1,4%
Silicion	0,42%

Nettle Extract provides plants with a high nutritional supply of chlorophyll, flavonoids, tannins, minerals (iron, sulfur, manganese, calcium, nitrogen, potassium), and carotenoids. It also provides natural hormones, which contribute to the vitality of the plant where the extract is applied.

It is permitted by the European Union as an insecticide, acaricide, and fungicide, for sprays or soil coverings (mulching). It is a formulation capable of controlling aphids and other insects, as well as significant fungal pathologies.



Soy Lecithin

Preventive and fungistatic action against pathogenic fungi

Fluid Soy Lecithin in Emulsion

Phosphatidylcholine	> 15 %
Total Phospholipids	> 95%

Soy Lecithin has a preventive and fungistatic action as it closes the main penetration pathways. Effectively controls pathologies such as: Scab, Apple Scab, Powdery Mildew, Peach Leaf Curl, Moniliasis, and Downy Mildew.

It strengthens and provides elasticity to the plant and fruit cell walls, preventing various physiological disorders such as: cracking, scalding, etc. When used near harvest, it gives fruits greater hardness, brightness, and color, enhancing their quality and organoleptic characteristics.



Sunflower Oil

Insecticide and fungistatic action against pathogens

Sunflower Oil

Oleic Acid	14 - 40 %
Linoleic Acid	48 - 74 %

Sunflower Oil reduces fungal growth and spore germination on treated surfaces. Additionally, it modifies and devitalizes the structure of the cell membrane. It has a fungistatic action that acts preventively by blocking the growth of pathogenic fungi.

SKL Sunflower Oil is highly refined and controls virus vector insects, pathogenic fungi, spider mites, and other fungal diseases. It is advisable to avoid treatments during the flowering period and in high temperatures.



Hydrogen peroxide

Bactericidal, sporicide and virucide action

Hydrogen peroxide

Cas No	7722-84-1
Purity	Water solution <5%
Structural formula	H ₂ O ₂

Hydrogen Peroxide has been used over the years as a universal, environmentally friendly, safe, and non-toxic disinfectant for people and the environment. It provides high effectiveness in controlling microorganisms in all possible applications, including air, water, surfaces, and soil. It is considered a powerful antibacterial, fungicide, virucide, amoebicide, and algacide.

It finds application as a disinfectant in the fields of agriculture, food industries, and beverages.

	<h2>Talc</h2>	<p>Talc is a clay mineral composed of hydrated magnesium silicate with the chemical formula $Mg_3Si_4O_{10}(OH)_2$. Talc is used as a thickening and lubricating agent in ceramics, paints, and coatings, and is also a major component in cosmetic products. Inherently hydrophobic, talc particles form platelets due to its layered structure. Basal surfaces are hydrophobic, while marginal surfaces are hydrophilic. Sprayed on plants, it creates a physical barrier against insects and fungi, also providing effective protection against sunburn.</p>						
	<p>Insecticide and fungicide action</p>							
	<table border="1"> <tr> <td>Talc</td> <td></td> </tr> <tr> <td>Cas No</td> <td>14807-96-6</td> </tr> <tr> <td>Chemical nomenclature</td> <td>Hydrated magnesium silicate</td> </tr> </table>	Talc		Cas No	14807-96-6	Chemical nomenclature	Hydrated magnesium silicate	
Talc								
Cas No	14807-96-6							
Chemical nomenclature	Hydrated magnesium silicate							

	<h2>Sodium Bicarbonate</h2>	<p>Sodium Bicarbonate, at room temperature, appears as a white crystalline powder, soluble in water and insoluble in alcohol. In an aqueous solution, when heated not beyond 100°C, it begins to decompose into Carbon Dioxide and Sodium Carbonate, resulting in a mild alkaline reaction. In agriculture, it is particularly suitable for treating fungal pathologies such as Downy Mildew, Powdery Mildew, and Gray Mold, which often affect fruits and vegetables, causing significant damage to crops.</p>						
	<p>Fungistatic action against pathogens</p>							
	<table border="1"> <tr> <td>Sodium bicarbonate</td> <td></td> </tr> <tr> <td>Purity</td> <td>Food grade</td> </tr> <tr> <td>Molecular formula</td> <td>$NaHCO_3$</td> </tr> </table>	Sodium bicarbonate		Purity	Food grade	Molecular formula	$NaHCO_3$	
Sodium bicarbonate								
Purity	Food grade							
Molecular formula	$NaHCO_3$							

	<h2>Mustard pellets</h2>	<p>Field trials using Mustard Seed Meal Panels have demonstrated high efficacy against fungi, nematodes, click beetles, weeds, and other adversities. It can be applied directly to the soil as a substitute for methyl bromide fumigation. It controls the proliferation of fungi such as Wheat Bunt (<i>Tilletia caries</i> and <i>Tilletia foetida</i>) and can be dispersed in water for seed treatment before sowing (a single application is sufficient) from summer to autumn.</p>				
	<p>Fungicide action for seed and soil treatments</p>					
	<table border="1"> <tr> <td>Mustard seed powder</td> <td></td> </tr> <tr> <td colspan="2">Obtained from <i>Sinapis alba</i> (Brassica alba), <i>Brassica juncea</i> and <i>Brassica Nigra</i></td> </tr> </table>	Mustard seed powder		Obtained from <i>Sinapis alba</i> (Brassica alba), <i>Brassica juncea</i> and <i>Brassica Nigra</i>		
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Obtained from <i>Sinapis alba</i> (Brassica alba), <i>Brassica juncea</i> and <i>Brassica Nigra</i>						

	<h2>Fructose</h2>	<p>Fructose, authorized as a Basic Substance, is extracted from plants and commonly used in human nutrition; it can be employed in the control of lepidopterans such as the Codling Moth (<i>Cydia pomonella</i>). Fructose rapidly absorbs and slowly releases moisture compared to sucrose, glucose, or other sugars; it has a high absorption capacity even when the ambient humidity level is low. Thanks to this crucial activity, Fructose can help ensure a long shelf life of the fruits on which it is applied.</p>						
	<p>Elicitor stimulating natural defence mechanisms</p>							
	<table border="1"> <tr> <td>Fructose</td> <td></td> </tr> <tr> <td>Minimum purity</td> <td>Food grade</td> </tr> <tr> <td>Molecular formula</td> <td>$C_6H_{12}O_6$</td> </tr> </table>	Fructose		Minimum purity	Food grade	Molecular formula	$C_6H_{12}O_6$	
Fructose								
Minimum purity	Food grade							
Molecular formula	$C_6H_{12}O_6$							

Whey Milk

Fungicide and virucide action

Extensive research on **Whey Milk** has shown its effectiveness in:

- Powdery Mildew control: helps reduce the impact of Powdery Mildew on treated leaves on Cucumber, Zucchini and Grapevine.
- Virucidal action: disinfectant of cutting tools and work gloves. Acts on TMV, ToMV, PMMV, CGMMV, ToBRFV. The disinfectant action is useful for all crops. We recommend immersing cutting tools for 5 minutes and gloves for 5 seconds.

Whey Milk	
Cas No	92129-90-3
Purity	CODEX STAN 289:1995

Calcium Hydroxide

Biological fungicide for tree crops

Calcium Hydroxide, also known as slaked lime, Ca(OH)_2 , is derived from the interaction between water and Calcium Oxide. When mixed with water, a small portion of it dissolves, forming a solution known as "limewater."

Hydrated lime is considered essential in Organic Agriculture for its effectiveness against pathogenic fungi such as *Neonectria galligena*.

It is used to increase soil pH as it reacts with acids and raises the pH.

Calcium Hydroxide	
Cas No	1305-62-0
Molecular formula	Ca(OH)_2
Purity	920 g/kg

Vinegar

Fungicide, bactericide and herbicide action

Vinegar is a Basic Substance to be used in a cold-water solution for seed treatment (various crops) or as a disinfectant for mechanical equipment and cutting tools.

Vinegar finds important use as an herbicide on medicinal and aromatic crops, as well as in applications on pathways, sidewalks, and terraces.

It can be employed as a pH regulator to achieve water with $\text{pH} < 5$, by adding 7 ml of vinegar per 1 L of water (in combination with chitosan).

Vinegar	
Cas No	90132-02-8
Purity	Food grade
Acid Acetic content	Max 10%

Onion Bulb Extract

Fungicide action for Tomato, Potato and Cucumber

The EU allows the use of **Onion Bulb Extract** for spraying according to the following indications:

- *Alternaria solani* in potatoes, growth stage BBCH 21-85, max. 5 treatments at intervals of 7 days, max. 0.5 kg of onion bulbs/ha;
- *Phytophthora infestans* in tomatoes, growth stage BBCH 21-75, max. 5 treatments at intervals of 3-4 days, max. 0.75 kg of onion bulbs/ha;
- *Botrytis cinerea* in cucumbers, growth stage BBCH 21-75, max. 5 treatments at intervals of 7 days, max. 0.75 kg of onion bulbs/ha.

Onion bulb extract	
Dispersible concentrate from decoction	

Corroborants

New

NATURAL DEFENSE ENHANCERS
OF PLANT



TANNISOL L



Chestnut Tannin

Direct and Repellent against
Nematodes and Parasites

COMPOSITION

- Total polyphenolic substances Min 96%
- Tannin content 75%

CHARACTERISTICS

Tannisol L is a natural polyphenolic molecule, whose properties significantly promote the growth and development of the root system of plants, as well as stimulating the beneficial microflora of the soil. This helps improve the overall health of the root environment, while limiting the proliferation of pathogens and maintaining the microbiological balance of the soil.

Tannisol L is also an important synergist of treatments with Copper, complexing of nutritional elements and has a direct action against Nematodes present in the soil. It also has a deterrent action against Lepidoptera and Rhincota.

DOSAGES FOR USE

Tannisol L is used on horticultural, floricultural and fruit crops by foliar application, at a dose of 3 - 5 kg/ha and in fertigation at a dose of 15 - 20 lt/ha. Consult the label for more detailed information.

LECINOL 90



Soy Lecithin

Fungicide, Acaricide-like activity,
Emulsifying and Wetting Action

COMPOSITION

- Total phospholipids > 95%
- Phosphatidylcholine >15%

CHARACTERISTICS

Lecinol 90 is a formulation based on highly purified soy lecithin that improves the resistance of plants and fruits against numerous physiopathies. Treatments with Lecinol 90 promote the development of more compact, bright and intensely colored fruits, also contributing to the improvement of organoleptic qualities such as flavor, aroma and consistency. In addition to the nutritional and strengthening action, Lecinol 90 effectively stimulates the natural defenses of the plant against important fungal diseases such as Powdery Mildew, Peach Leaf Blight, Downy Mildew and Alternaria, reducing the need for conventional phytosanitary interventions.

Against parasites, a strong Acaro braking action is highlighted.

DOSAGES FOR USE

Lecinol 90 is used on horticultural, floricultural and fruit crops by foliar application, at a dose of 300 - 800 gr/hl. Consult the label for more detailed information.



Scan the QR Code and
visit our website



Corroborants

Corroborants (enhancers of plant defenses) are substances of natural origin, different from fertilizers, mainly used in organic agriculture to:

- **improve** resistance of plants against harmful organisms;
- **protect** plants from damage not caused by pests. These products cannot be mixed together and are not subject to authorization for placing on the market.

They can only be placed on the market if:

- their use does not cause harmful effects either immediate or delayed, on human or animal health or on the environment;
- they are registered in a corroborant list drawn up and periodically updated by the Ministry of Agriculture, Food and Forestry Policies;
- the label shows the indications concerning the qualitative and quantitative composition, the methods and directions for use, the identification of the person responsible for the placing on the market, the production and packaging plant, as well as the intended use which, it must not be referred to the definition of a phytosanitary product.

SUMMARY

OKYZEOL (Zeolite 4-5 μm)

OKYBENT (Bentonite 325mesh)

OKYCAO (Caolin 2-3 μm)

SILICOL (Diatomaceous Earth)

OKYGEL 99 S (Silica Gel)

LECINOL 90 (Soy lecithin)

TANNISOL PB (Chestnut tannin)

TANNISOL L (Chestnut tannin)

LUMACILL FORTE

LUMACILL Fe

PROPOLIS C PLUS

PROPOLIS (Propoli)

SUNFLOWER OIL

SOY OIL

COCONUT PALM OIL

SENAPOIL (Mustard Oil)

VITAMIC C

VITAMIN C PLUS

SODIUM BICARBONATE

GLYCOLIC EXTRACT OF FLAVONOIDS

SOAP LINE

Corroborants





Okzyeol 4-5 µm

Zeolite powder
Fungistatic action
local humidity control

Okzyeol is composed of Zeolite (cabasite); in agriculture and floriculture, it essentially works as a sponge, covering the leaf surface with a thin and uniform layer of powder.

Okzyeol allows:

- Absorb reversibly great amount of waterx.
- Inhibiting spores and hyphae present on the surface of plants and fruits.
- Absorbing toxic substances present on the plant and fruits.

Silicon oxide (SiO ₂)	62.87
Aluminium oxide (Al ₂ O ₃)	13.46
Potassium oxide (K ₂ O)	2.38
Iron oxide (Fe ₂ O ₃)	1.35



Okybent 325 mesh

Bentonite powder
Fungistatic action
local humidity control

In the imbibition process, **Okybent** turns into a gel with a volume gain of 16 times; thus, the primary characteristic of Okybent is its ability to absorb water and swell like a sponge:

- It absorbs large amounts of water: Okybent's hydro-retentive power drastically reduces problems arising from excessive moisture.
- It heals the microlesions present on fruits, which would otherwise easily lead to fungal infections.
- It absorbs pesticides, nitrosamines, mycotoxins, and other toxic substances present on leaves and fruits.

Silicon oxide (SiO ₂)	65-78
Aluminium oxide (Al ₂ O ₃)	13.5-15
Potassium oxide (K ₂ O)	1.3-2.4
Iron oxide (Fe ₂ O ₃)	1.0-3.3



Okyciao 2-3 µm

Caolin powder
Repellent action against Diptera,
regulation of plant temperature

Okyciao performs several beneficial functions:

- It lowers the plant's temperature and enhances photosynthesis.
- It reflects infrared rays.
- It increases the daytime assimilation rate of carbon dioxide.
- It limits the development of various pathogenic insects such as the Olive Fruit Fly, Vine Leafhopper, Thripidae, Walnut Husk Fly, Fruit Fly, and Pear Psylla. It hinders the deposition of eggs on treated surfaces.

Silicon oxide (SiO ₂)	52.82
Aluminium oxide (Al ₂ O ₃)	46.02
Potassium oxide (K ₂ O)	0.16
Iron oxide (Fe ₂ O ₃)	0.35



Silicol

Diatomaceus Earth
Insectide and fungicide action

Silicol is used as a natural insecticide due to its abrasive property: it effectively cuts through the protective coating of insects and, upon penetration, injures their internal parts, dehydrating them rapidly and causing their demise. The effect of Silicol does not dissipate over time and has a long persistence: it remains active until it is removed from the vegetation.

Silicol can also be applied to the surfaces of empty mills and silos or added to cereals (prior to storage) for its hygroscopic ability, allowing for localized moisture control.

Kieselgur (Diatomaceus earth)	
Silicon dioxide (SiO ₂)	80%
Aluminium oxide (Al ₂ O ₃)	4%
Iron oxide (Fe ₂ O ₃)	1.5%

Corroborants



Corroborants



Okygel 99 S

Silica Gel 200 nm
Desiccant
fungal and bacterial inhibitory action

Amorphous silicon dioxide (SiO₂)

Product obtained by the treatment of amorphous silicates, quartz sand, diatomaceous earths and similar

Okygel 99 S is an excellent desiccant and is thus used for localized moisture control on vegetation. Despite being termed a desiccant, the chemical-physical process by which water vapor is removed from the environment involves an adsorption operation: water vapor molecules bind not only on the external surface but also internally.

Okygel 99 S exhibits remarkable porosity, resulting in a larger total area available for material exchange: 1000g of the product can absorb 4 - 5000 ml of water.



Lecinol 90

Soy Lecithin
Fungistatic action
Emulsifying and wetting action

Fluid Soy Lecithin in emulsion

Total Phospholipids	> 95%
Phosphatidylcholine	> 15%

Natural product originated from soybean extraction, exclusively with physical processes

Lecinol 90 enhances the resistance of plants and fruits against numerous physiological disorders. Following treatments, the fruits are more compact, bright, and colorful, improving their organoleptic qualities. Moreover, Lecinol 90 activates the plant's natural defenses against fungal pathologies such as Powdery Mildew, Peach Leaf Curl, Downy Mildew, and Alternaria.

Due to its emulsifying properties, Lecinol 90 is also an excellent wetting agent.



Tannisol PB

Chestnut Tannin
Repellent action
against Nematodes and Pests

Total Polyphenolic substances	Min 96%
Dry matter	99%
pH (10% sol.)	4%
Tannin Content	75%

Chestnut Tannin is a polyphenolic molecule whose properties stimulate the growth and development of the plant's root system, along with beneficial soil microflora, while limiting the proliferation of pathogens. Due to its acidic pH, it creates an inhospitable environment for Nematodes.

Tannisol PB has also an effective anti-feed action against parasites, as it reduces food digestibility or makes it repellent by affecting taste (astringency) and tissue hardness.



Tannisol L

Chestnut Tannin
Repellent action
against Nematodes and Pests

Total Polyphenolic substances	Min 48% su S.S.
Dry matter	40%
pH (10% sol.)	4%
Tannin Content	34%

Chestnut Tannin is a polyphenolic molecule whose properties stimulate the growth and development of the plant's root system, along with beneficial soil microflora, while limiting the proliferation of pathogens. Due to its acidic pH, it creates an inhospitable environment for Nematodes.

Tannisol L has also an effective anti-feed action against parasites, as it reduces food digestibility or makes it repellent by affecting taste (astringency) and tissue hardness.

Corroborants





Lumacill Forte

Natural Surfactant used in agriculture as an adjuvant for pesticide, fungicide and herbicide treatments

Glycolic Extract Based on Flavonoids

Lumacill Forte is extremely effective as a soil moisturizer in irrigation systems. It significantly increases the irrigation cone, preventing losses by percolation and increasing the root wetting surface.

Lumacill is used as an organic solution to discourage earthworms, slugs and snails.

Being a natural product, it works without any risk to the environment, animals or humans. These properties make Lumacill very useful in various sectors, including agriculture and soil remediation.



Lumacill Fe

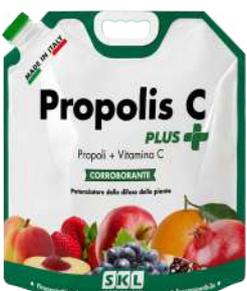
Fertilizer based on the Microelement Iron complexed with Flavonoids

Fertilizer based on the Microelement Iron complexed with Flavonoids

Iron (Fe) 2%

Lumacill Fe is extremely effective as a soil moisturizer in irrigation systems. It significantly increases the irrigation cone, preventing losses by percolation and expanding the root wetting surface, providing discrete quantities of complexed Iron.

Lumacill is used as an organic solution to discourage earthworms, slugs and snails. Being a natural product, it works without any risk to the environment, animals or humans. These properties make Lumacill very useful in various sectors, including agriculture and soil remediation.



Propolis C plus

Healing action,
activating and attractive

Propolis	
Propolis extract in hydroalcoholic solution	5%
Content in flavonoids	25 g/l

Propolis C+ possesses important properties:

- **Healing:** It promotes the rapid healing of wounds from traumas and pruning.
- **Activating:** The fraction of flavonoid compounds activates essential metabolic functions.
- **Phytoprotective:** The natural components contained in the product Propolis C+ activate and reinforce the plant's immune systems.
- **Attractive action:** Towards bees, promoting pollination.



Propolis

Propolis
Healing action,
activating and attractive

Propolis	
Propolis extract in hydroalcoholic solution	5%
Content in flavonoids	25 g/l

Propolis facilitates swift healing of wounds resulting from traumas or pruning, while shielding the plant from pathogen infiltration; it fosters pollination by attracting bees, enhances post-harvest fruit preservation, and diminishes the formation of rot.

- **Healing agent:** expedites rapid recovery from traumas and pruning wounds.
- **Activating action:** stimulates vital metabolic functions such as respiration.
- **Attractive effect:** towards bees, promoting pollination.

Applied pre-harvest, it augments fruit's shelf life.



Sunflower Oil

Activator
of plant defense mechanisms

Sunflower Oil enhances the diffusion, penetration, and adhesion of combined products. It increases the plant's physiological processes, making them more efficient, leading to better results in the field.

When applied to the upper surface of leaves, it inhibits the germination of fungal conidia and the development of the pathogen's mycelium. Sunflower oil reduces fungal growth and spore germination on treated surfaces. It has a fungistatic action that works preventively by blocking the growth of pathogenic fungi.

Sunflower Oil	
Oleic Acid	10 - 40%
Linoleic Acid	48 - 74%



Soy Oil

Activator
of plant defense mechanisms

Soybean Oil is regularly used as an adjuvant, both in mixtures containing copper compounds and in combination with insecticides.

This use allows for an increase in the average size of sprayed droplets, delaying their evaporation, and broadening the contact surface with the target.

In this way, the spray liquid's drift effect is reduced, and losses due to evaporation during product distribution are minimized.

Soy Oil	
Oleic Acid	15 - 30%
Linoleic Acid	50 - 60%
Linolenic Acid	5 - 12%
Palmitic Acid	10 - 15%



Coconut Palm Oil

Improve diffusion
penetration and adhesion
of plant protection products

Coconut Palm Oil is a rich source of various triglycerides of fatty acids, with a predominance of saturated fatty acids, including lauric acid (45%), myristic acid (20%), and palmitic acid (7%).

It enhances plant defense mechanisms and their resistance both against harmful organisms and non-parasitic damages. The content of polyunsaturated fatty acids in Coconut Palm Oil activates plant defense mechanisms, aimed at resistance to biotic and abiotic stresses, interfering with the physiology of plant-harmful organism interactions.

Saturated Palmitic C16	43.5%
Monounsaturated oleic C18:1	36.6%
Polyunsaturated linoleic C18:2	9.1%
Saturated stearic C18	4.3%
Saturated myristic C14	1.0%



Senapoil

Mustard Oil
Phytoprotective, Phytostimulant
effect for all the crops

Senapoil has a phytoprotective and phyto-stimulating action on all crops, serving as an eco-friendly alternative to synthetic products. It is a source of vitamins B, C, E, K, proteins, and minerals; the seeds contain phytoprotective substances such as sinapine (alkaloid), sinigrin (glucosinolate), and allyl isothiocyanate.

- Being 100% natural, it exhibits a pronounced fungistatic action.
- It respects the environment, the operator, and the consumer, and does not lead to resistance phenomena.

Mustard Oil	95%
Density	1010 kg/m ³
pH	circa 10

Obtained from the cold pressing of mustard seeds (*Sinapis alba*)

Corroborants





Vitamin C

Ascorbic Acid
Phyostimulant action and antioxidant

L-Ascorbic Acid	50%
Coformulants q.b.	g 100
White crystalline powder	
Product deriving from the fermentation of sorbitol of vegetal origin	

Ascorbic acid is **Vitamin C**: it belongs to the group of so-called water-soluble vitamins, which cannot be stored in living organisms, but must be regularly taken in through nutrition. Ascorbic acid has a high antioxidant power that helps protect polyunsaturated fats from oxidation.

It aids in maintaining plant health by participating in the synthesis of many metabolic reactions and the biosynthesis of amino acids and hormones. It boosts the immune system's defenses and helps the plant prevent the risk of infections.



Vitamin C Plus

Ascorbic Acid + Chitosan
Phyostimulant action and antioxidant

Ascorbic Acid	10%
Chitosan hydrochloride 99%	5%
Solid content	> 6%
pH	1.4 - 1.6

Chitosan present in **Vitamin C Plus** is activated through a patented process that increases its positive charge and contact surface, consequently amplifying its bioprotective and fungistatic strength.

Applied both foliarly and for seed treatment, it has been demonstrated that Vitamin C Plus induces a series of beneficial responses in crops, including:

- Direct antibiosis against parasites and pathogens.
- Stimulates plant defenses.
- Regulates plant growth.



Sodium Bicarbonate

Activator of plant defense mechanisms

Sodium Bicarbonate	
Purity	Food grade
Chemical formula	NaHCO ₃

Sodium bicarbonate plays an important role in enhancing plant defenses against environmental challenges and stresses caused by external factors. Its targeted application can help increase the robustness of plants, making them more resistant to attacks from harmful organisms and adverse weather conditions.

Sodium bicarbonate is an integral part of many sustainable crop management strategies, helping farmers protect and improve plant health in an eco-friendly manner.



Glycolic extract

Improves the processes of photosynthesis
germination and rooting

Total Polyphenols	25 gr/kg
Total Phenols	3000 gr/kg
Acetic acid	2.2%
Emulsifying Agent: Non-GMO lecithin <3%	

Flavonoid-based glycolic extract can enhance the activity of biological mechanisms of resistance to biotic and abiotic stress factors, with benefits for increasing productivity and quality of crops.

The Glycolic Extract of Flavonoids exhibits high physiological activity on the plant, improves photosynthesis and growth processes, increases germination rate and rooting, thus enhancing product quality.

Soap Line

New

CORROBORANTS
NATURAL DEFENSE ENHANCERS
OF PLANT



OKYNOL LINE



Okynol SM

Adhesive, wetting and dissolving action



COMPOSITION

Potassium Salts of Palmitic Acid C16
Corroborant (enhancer of the natural defenses of plants)



CHARACTERISTICS

Okynol SM in combination with insecticides and fungicides, acts as a wetting and adhesive, allowing the active ingredients to spread evenly throughout the mixture to be distributed.

Okynol SM (at 2 - 3% concentration) has an indirect action against Sooty Mold, as it dissolves the honeydew produced by insects, also proving to be an efficient and economical anti-aphid, anti-thrips and an effective acaricide.

Okynol SM can be useful in controlling Whiteflies, Cabbage Aphids and especially Scale Insects.



DOSAGE

Okynol SM is used on all crops as an adjuvant to insecticide treatments at a dosage of 200-500 g/hl, or as a biological remedy in the control of honeydew from sucking insects at a dosage of 2 - 3 kg/hl with water volumes of 1000-1500 lt/ha.

OKYGOLD LINE



Oky Gold P1

Adhesive, wetting and dissolving action



COMPOSITION

Saponified fatty acids (C8 - C18)
Corroborant (enhancer of the natural defenses of plants)



CHARACTERISTICS

Oky Gold P1 is the result of a chemical reaction between hydroxide and specific fatty acids of vegetal origin, which are the main constituents of this product. Like other soaps, Oky Gold P1 is a surfactant, that is, it has the ability to solubilize non-polar organic substances, such as fats, in water.

This property is used in agriculture as an adjuvant in crop protection: combined with insecticides and fungicides, it promotes the homogeneous diffusion of the active ingredients within the mixtures to be distributed and a more complete coverage of the treated vegetation.



DOSAGE

Oky Gold P1 is used on all crops at an average dosage ranging from 400 - 600 g/hl to dissolve organic exudates produced by sucking insects, strengthen the natural defenses of plants and as a wetting-adhesive agent for plant protection products (insecticides and fungicides).

Corroborants - Soap Line



	<h2 style="background-color: #006633; color: white; padding: 5px;">Okynol 20 M1</h2> <p>Marseille soap Wetting and tackifying agent, Aphicide - Insecticide action Acaricide</p> <hr/> <p>Potassium Salts and Fatty Acids C10 - C16 in mixture</p> <hr/> <p>Obtained from the saponification of C10 - C16 Fatty Acids</p>	<p>Okynol 20 M1 is the result of a chemical reaction between hydroxide and specific fatty acids of vegetal origin, which are the main constituents of this product.</p> <p>Like other soaps, Okynol 20 M1 is a surfactant, that is, it has the ability to solubilize non-polar organic substances, such as fats, in water.</p> <p>This property is used in agriculture as an adjuvant in crop protection: it promotes the homogeneous diffusion of the active ingredients within the mixtures to be distributed and a more complete coverage of the treated vegetation.</p>
	<h2 style="background-color: #006633; color: white; padding: 5px;">Okynol 20 P1</h2> <p>Marseille soap Wetting and tackifying agent, Aphicide - Insecticide action Acaricide</p> <hr/> <p>Potassium Salts and Fatty Acids C10 - C16 in mixture</p> <hr/> <p>Obtained from the saponification of C10 - C16 Fatty Acids</p>	<p>Okynol 20 P1 is the result of a chemical reaction between hydroxide and specific fatty acids of vegetal origin, which are the main constituents of this product.</p> <p>Like other soaps, Okynol 20 P1 is a surfactant, that is, it has the ability to solubilize non-polar organic substances, such as fats, in water.</p> <p>This property is used in agriculture as an adjuvant in crop protection: it promotes the homogeneous diffusion of the active ingredients within the mixtures to be distributed and a more complete coverage of the treated vegetation.</p>
	<h2 style="background-color: #006633; color: white; padding: 5px;">Okynol Forte</h2> <p>Marseille soap Wetting and tackifying agent, Aphicide - Insecticide action Acaricide</p> <hr/> <p>Potassium Salts and Fatty Acids C10 - C16 in mixture</p> <hr/> <p>Obtained from the saponification of C10 - C16 Fatty Acids</p>	<p>Okynol Forte is the result of a chemical reaction between hydroxide and specific fatty acids of vegetal origin, which are the main constituents of this product.</p> <p>Like other soaps, Okynol 20 Forte is a surfactant, that is, it has the ability to solubilize non-polar organic substances, such as fats, in water.</p> <p>This property is used in agriculture as an adjuvant in crop protection: it promotes the homogeneous diffusion of the active ingredients within the mixtures to be distributed and a more complete coverage of the treated vegetation.</p>
	<h2 style="background-color: #006633; color: white; padding: 5px;">Oky Gold M1</h2> <p>Wetting and tackifying agent Enhancer of natural defenses of plants Aphicide action - Insecticide Acaricide</p> <hr/> <p>Saponified fatty acids (C8 - C18)</p> <hr/> <p>Corroborant - Plant defense enhancer</p>	<p>Oky Gold M1 is the result of a chemical reaction between hydroxide and specific fatty acids of vegetal origin, which are the main constituents of this product.</p> <p>Like other soaps, Oky Gold M1 is a surfactant, that is, it has the ability to solubilize non-polar organic substances, such as fats, in water.</p> <p>This property is used in agriculture as an adjuvant in crop protection: it promotes the homogeneous diffusion of the active ingredients within the mixtures to be distributed and a more complete coverage of the treated vegetation.</p>

Corroborants - Soap Line



Oky Gold MX

Wetting and tackifying agent
Enhancer of natural defenses of plants
Aphicide action - Insetticida
Acaricide

Saponified fatty acids (C8 - C18)
 Corroborant - Plant defense enhancer

Oky Gold MX is the result of a chemical reaction between hydroxide and specific fatty acids of vegetal origin, which are the main constituents of this product.

Like other soaps, Oky Gold MX is a surfactant, that is, it has the ability to solubilize non-polar organic substances, such as fats, in water. This property is used in agriculture as an adjuvant in crop protection: it promotes the homogeneous diffusion of the active ingredients within the mixtures to be distributed and a more complete coverage of the treated vegetation.



Oky Gold Forte

Agente bagnante e adesivante
Potenziatore delle difese naturali delle piante
azione Aficida - Insetticida
Acaricida

Saponified fatty acids (C8 - C18)
 Corroborant - Plant defense enhancer

Oky Gold Forte is the result of a chemical reaction between hydroxide and specific fatty acids of vegetal origin, which are the main constituents of this product.

Like other soaps, Oky Gold M1 is a surfactant, that is, it has the ability to solubilize non-polar organic substances, such as fats, in water. This property is used in agriculture as an adjuvant in crop protection: it promotes the homogeneous diffusion of the active ingredients within the mixtures to be distributed and a more complete coverage of the treated vegetation.



Okynol SM

Soft Marseille soap
 Wetting and tackifier agent,
anti aphid action

Potassium salts of fatty acids mixture
 C10 - C16
 Obtained from the saponification of vegetable oils

Okynol SM, in combination with insecticides, functions as a wetting and sticking agent, allowing for the even distribution of the active ingredient within the mixture to be applied.

At a concentration of 2-3%, Okynol SM indirectly acts against Sooty Mold, as it dissolves the honeydew produced by insects, also proving to be an efficient and cost-effective aphid control solution.

Okynol SM can be useful in controlling Whiteflies, Cabbage Aphids, and especially Scale Insects.



Oky Gold P1

Wetting and tackifier agent
Enhancer of plants natural defences

Saponified fatty acids (C8 - C18)
 Enhancement of plant defenses

Oky Gold P1 is the result of a chemical reaction between hydroxide and specific vegetable-derived fatty acids, which are the main constituents of this product.

Like other soaps, Oky Gold P1 is a surfactant, meaning it has the ability to solubilize non-polar organic substances, such as fats, in water. This property finds application in agriculture as an adjuvant in crop protection: it promotes the uniform diffusion of active ingredients within the mixtures to be distributed and a more comprehensive coverage of the treated vegetation.

Bioprotek

New

MINERAL PREPARATIONS BASED ON
MACROELEMENTS AND MICROELEMENTS
WITH SYSTEMIC ACTION



BIO WAKE 9-9



Fertilizer solution NP 8-10
Dormancy breaker

COMPOSITION

- Total (N) Nitrogen 9%
- Ureic (N) Nitrogen 9%
- Phosphorus Anhydride (P_2O_5) total 9%

CHARACTERISTICS

Bio Wake 9-9 is rapidly absorbed by the plant, entering the lymphatic flow and acting effectively thanks to its multipurpose matrix. This allows for balanced and healthy vegetative development right from the early stages. Initial growth is homogeneous and vigorous, promoting uniform flowering, an essential condition for obtaining a concentrated harvest.

The use of **Bio Wake 9-9** allows for the harvest period to be brought forward by approximately 7-15 days, depending on seasonal climatic conditions, the frequency of treatments and the dosages applied, thus optimizing production times.

DOSAGE FOR USE

Biowake 9-9 is used on all crops by foliar application: on brown crops, at an average dose of 4 - 6 kg/ha and on green crops, at a dose of 2 - 3 kg/ha. Consult the label for more detailed information.

BIOPROTEK VERDE



NPK fertilizer solution based on Nitrogen,
Phosphorus (Phosphite) and Potassium

COMPOSITION

- Total (N) Nitrogen 10%
- Ureic (N) Nitrogen 10%
- Phosphorus Anhydride (P_2O_5) 35%
- Potassium Oxide (K_2O) 10%

CHARACTERISTICS

Bioprotek Verde is a synthetic NPK fertilizer, formulated for effective use in integrated agriculture on all crops, both through foliar and root applications. It provides a balanced supply of Nitrogen, Phosphorus in the form of Phosphite, and Potassium, constituting a highly concentrated and readily available nutritional source.

The presence of the phosphite ion gives the product a dual function: nutritional and biostimulant, promoting not only the development of roots and vegetation, but also the activation of the self-defense mechanisms of plants.

DOSAGE FOR USE

Bioprotek Verde is used on all crops by foliar application, at an average dose of 1.5 - 3 kg/ha and radical at a dose of 10 - 20 kg/ha. Consult the label for more detailed information.



Scan the QR Code and
visit our website

Bioprotek Line

Bioprotek products are mineral preparations based on macroelements such as: Nitrogen, Phosphorus, Potassium, in high purity and quality stable composition, formulated individually or in mixture with each other, sometimes with the addition of microelements (such as: Boron, Manganese, Molybdenum, Copper, Zinc, etc.) Main part of these product are made of Phosphonates and Peroxides, known for their systemic activity.

Bioprotek products can be used on all crops (tree, herbaceous, floricultural and industrial) from the stage of vegetative awakening or sowing / transplanting until harvesting; they must be used mainly by foliar application, or, where prescribed, in fertigation with a radical action; thanks to their properties they allow a healthy and harmonious development of the vegetation.

The effects of **Bioprotek** products are noticeable in the development, in the flowering and they enhances a greater resistance of plants to diseases; they also perform an important role in restoring plants health, exalting and preserving it if the plant is already in a good vegetative-productive state.

Bioprotek products are necessary for photosynthesis, Nitrogen metabolism and the formation of compounds involved in plant metabolism.

SUMMARY

BIO WAKE 9-9 (NP - PAA)

BIO WAKE Zn (Zn - PAA)

BIOPROTEK BLU (N - P₂O₅)

BIOPROTEK DUO (Cu - P₂O₅)

BIOPROTEK VERDE (N - P₂O₅ - K)

BIOPROTEK GIALLO (P₂O₅ - K)

BIOPROTEK AK 47 (CH₃CO₂K)

BIOPROTEK ROSSO (K - SiO₂)

BIOPROTEK OLIVO (N - P₂O₅)

BIOPROTEK ACTIVE (N - PAA)



Bio Wake 9-9

NP 9-9 fertilizer solution
Dormancy breaker

Total (N) Nitrogen	9%
Ureic (N) Nitrogen	9%
Phosphorus pentoxide (P ₂ O ₅)	9%

Bio Wake 9-9 is quickly absorbed to enter the lymphatic system, and thanks to its versatile matrix, it ensures a harmonious and healthy development of vegetation.

The simultaneous initiation and uniform growth during the very early stages of development enable a homogeneous flowering, the first step towards a concentrated harvest by degree of ripeness, characterized by high quality standards. In the treatment with Bio Wake 9-9, the harvesting period is advanced by 7 to 15 days (depending on the seasonal trend, the number of treatments, and the doses used).



Bio Wake Zn

Zinc based fertilizer solution
Dormancy breaker
Allowed in Organic Agriculture

Zinc	2%
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Bio Wake Zn is quickly absorbed to enter the lymphatic system, and thanks to its versatile matrix, it ensures a harmonious and healthy development of vegetation.

The simultaneous initiation and uniform growth during the very early stages of development enable a homogeneous flowering, the first step towards a concentrated harvest by degree of ripeness, characterized by high quality standards. In the treatment with Bio Wake 810, the harvesting period is advanced by 7 to 15 days (depending on the seasonal trend, the number of treatments, and the doses used).



Bioprotek Blu

Fertilizer solution
NP 20-30

Total (N) Nitrogen	20%
Ureic (N) Nitrogen	20%
Phosphorus pentoxide (P ₂ O ₅)	30%

Bioprotek Blu is an NP synthetic fertilizer, to be used in integrated agriculture for all crops, as a source of Nitrogen and Phosphorus (Phosphite), for foliar and/or root application.

Thanks to its versatile matrix, it ensures a healthy and harmonious development of vegetation. Bioprotek Blu is an efficient, active, and concentrated source of Nitrogen and Phosphorus (Phosphite), which is quickly absorbed through foliar and/or root pathways, entering the lymphatic system and transported both acropetally and basipetally, thus in both xylem and phloem.



Bioprotek Rosso

Potassium Salt solution
K10

Salt Potassium solution (K ₂ O)	10%
Manganese oxide (Mn)	1.4%

Bioprotek Rosso is a product based on stable Potassium silicate and Manganese, to be used in Integrated Agriculture for all tree and flower crops, from the vegetative awakening phase to harvest.

As a source of Potassium and Manganese nutrients, the product should be used for foliar application, where, thanks to its versatile matrix, it ensures a harmonious and healthy development of vegetation. It helps to control various pests, enhancing plant defense mechanisms, thanks also to the organic matter oxidation process.



Bioprotek Verde

Fertilizer solution
NPK 10 - 35 - 10

Total (N) Nitrogen	10%
Ureic (N) Nitrogen	10%
Phosphorus pentoxide (P ₂ O ₅)	35%
Potassium oxide (K ₂ O) soluble in water	10%

Bioprotek Verde is a synthetic NPK fertilizer, to be used in integrated agriculture for all crops, as a source of Nitrogen, Phosphorus (Phosphite), and Potassium, for foliar and/or root application.

Thanks to its versatile matrix, it ensures a healthy and harmonious development of vegetation. Bioprotek Verde is an efficient, active, and concentrated source of Nitrogen, Phosphorus (Phosphite), and Potassium, which is quickly absorbed through foliar and/or root pathways, entering the lymphatic system and transported both acropetally and basipetally, thus in both xylem and phloem.



Bioprotek Giallo

Fertilizer solution
PK 30 - 20

Phosphorus pentoxide (P ₂ O ₅) soluble in water	30%
Potassium oxide (K ₂ O) soluble in water	20%

Bioprotek Giallo is an efficient, active, and concentrated source of Phosphorus (Phosphite) and Potassium, which is quickly absorbed through foliar and/or root pathways.

The activity of Bioprotek Giallo on the plant is primarily manifested in two ways: it acts directly by influencing its phosphoric metabolism and then interferes with the plant's defense and reaction mechanisms (Systemic Induced Resistance - SIR) against pathogens (fungi and bacteria), both endogenous and exogenous, through the formation of phytoalexins (Terpenes, Aromatic phenols, etc.).



Bioprotek Duo

Fertilizer Solution
NP 8-20 with Copper (Cu)

Total (N) Nitrogen	8%
Ureic (N) Nitrogen	8%
Phosphorus pentoxide (P ₂ O ₅)	20%
Copper (Cu) soluble in water	5%

Bioprotek Duo is a product based on stable copper phosphite solution: it can be quickly absorbed and translocated within the tissues due to its excellent high systemic characteristics.

Copper, present in an ionic form, also participates in protein biosynthesis and serves as an excellent deterrent for fungal or bacterial adversities. The presence of phosphorus and copper, formulated in combination, achieves maximum efficiency and is capable of ensuring high and balanced nutritional inputs, as well as restoring the perfect health status of the crops to which it is administered.



Bioprotek Active

Fertilizer solution
NP 10

Total (N) Nitrogen	10%
Ureic (N) Nitrogen	10%

Bioprotek Active also acts as an activator of the plants' natural defenses and stimulates the production of phytoalexins, thereby increasing the plants' ability to resist fungal and bacterial attacks, including Phytophthora, Plasmopora viticola, Pseudoperonospora cubensis, Bremia, and others. Additionally, it prevents and controls bacterial infections caused by organisms such as Pseudomonas PS and Erwinia.

Bioprotek Active represents a synthetic nitrogenous fertilizer that can be utilized as a source of urea nitrogen for a wide range of plants.

Biostimolants

New

FOR STRONGER PLANTS AGAINST
BIOTIC AND ABIOTIC STRESS



FULVINAL PRO



Liquid Fertilizer Mixture Based on
Fulvic Acids and Seaweed

COMPOSITION

- S.O. as is 13%
- S.O. on dry matter 62.5%
- S.O. humified in percentage on S.O. 62.5%
- Organic nitrogen on dry matter 0.6%
- Fulvic Acid Content 45%

CHARACTERISTICS

Fulvinal Pro is a biostimulant based on Brown Algae and fulvic acids, formulated to improve the processes of cell division and distension. Brown algae, rich in highly efficient natural hormones, combined with the fulvic component, make this product unique for its extraordinary agronomic characteristics. Applied by root application, it improves soil structure, stimulates root development and optimizes the absorption of nutrients. Applied by leaf application, it conveys the associated nutrients, activates the plant's metabolism and increases its resistance to stress, promoting healthy and productive growth.

DOSAGES FOR USE

Foliar application: 100-300ml/hl
Radical application: 5-20 kg/ha
See label for more detailed information.

EXTR 99 WP



Organic Nitrogen Fertilizer
Algae Extract in solid form

COMPOSITION

- Potassium oxide (K_2O) 19%
- Organic (N) Nitrogen 5%
- Betaine 0.1%
- Mannitol 4%
- Organic(C) Carbon of biological origin 58%

CHARACTERISTICS

Extr 99 WP is a concentrated extract of seaweed belonging to the Sargassum, Ascophyllum nodosum and Laminaria genera, formulated in a completely water-soluble powder. Its exclusive composition makes it an effective anti-stress biostimulant, particularly useful in phases of greater energy demand by the plant.

Thanks to the natural presence of active substances such as betaines, amino acids, alginic acid, mannitol, auxins, cytokinins, gibberellins and other phytocomplexes, Extr 99 WP enhances cellular metabolism and stimulates the activity of important enzymes, promoting a physiological response.

DOSAGES FOR USE

Extr 99 WP is used on horticultural, floricultural and fruit crops by foliar application, at a dose of 1-2 kg/ha. Consult the label for more detailed information.



Scan the QR Code and
visit our website

Biostimulants

The definition of Biostimulants has been provided precisely by EBIC (European Biostimulants Industry Council):

“Biostimulants contain substances or microorganisms whose function, when applied to plants or the rhizosphere, is to stimulate natural processes to enhance or benefit nutrient uptake, tolerance to abiotic stress, and crop quality.”

Biostimulants are substances typically extracted from plants or microorganisms that are used in agriculture and act on natural physiological processes, helping the plant to “perform better.”

Biostimulants do not actively counteract the attacks of pathogens or phytophagous insects. They make the plant more resilient to abiotic stresses such as heat, cold, or water deficiency, increase nutrient absorption efficiency, and improve crop quality.

SUMMARY

EXTR

EXTR 99 WP

EXTR 500 SC

EXTR 1000 SC

GREENPOWER

BIORMON PLUS

HUMINAL COMBI

FULVINAL PRO

Biostimolants





Extr

Nitrogenous Organo-Mineral Fertilizer
Fluid Seaweed

Nitrogen (N) total	8%
Nitrogen (N) Organic	0.5%
Nitrogen (N) Ureic	7.5%
Organic (C) carbon	8%

Extr is a concentrated extract of organic substances from marine algae of the Sargassum, Ascophyllum nodosum and laminaria genus, containing high concentrations of: natural plant hormones, traces of minerals, carbohydrates, etc.

Extr promotes and stimulates plant growth, enhances the plant's natural self-defense mechanisms, promotes vegetative recovery, promotes rapid leaf growth, induces abundant flowering, increases production yield in quality and quantity.



Extr 99 wp

Nitrogenous organic fertilizer
Algae extract in solid form

Potassium Oxide (K ₂ O)	19%
Organic (N) Nitrogen	5%
Betaine	0.1%
Mannitol	4%
Organic (C) Carbon	58%

Extr 99 wp is a concentrated extract of marine algae of the genus Sargassum, Ascophyllum nodosum and laminaria, in 100% soluble powder, containing high concentrations of: natural plant hormones, traces of minerals, carbohydrates, etc.

Extr 99 wp is an exclusive formulation preparation with an anti-stress function. The components present in it, including: Betaines, Amino acids, Alginate Acid, Mannitol, Auxins, Cytokinins, Gibberellins and more, enhance cellular metabolism and positively influence the activity of important enzymatic complexes.



Extr 500 SC

Product with specific action
Fluid organic extract
Fresh seaweed

Biological Organic (C) Carbon	2%
Mannitol	7.2%

Extr 500 is a fluid organic extract of 100% fresh Ascophyllum nodosum seaweed, obtained through "cold" extraction processes to preserve the valuable substances that the product is particularly rich in (vitamins, minerals, complex sugars, natural hormonal substances, cytokinins, auxins).

Extr 500 represents an important energy source for plants. The high quality of the product enables treated crops to increase productivity, vegetative development, and enhance resistance to environmental stress.



Extr 1000 SC

Product with specific action
Fluid organic extract
Fresh Cream seaweed

Biological Organic (C) Carbon	2%
Mannitol	7.2%

Extr 1000 SC is a cream organic extract of 100% fresh Ascophyllum nodosum seaweed, obtained through "cold" extraction processes to preserve the valuable substances that the product is particularly rich in (vitamins, minerals, complex sugars, natural hormonal substances, cytokinins, auxins).

Extr 1000 SC represents an important energy source for plants. The high quality of the product enables treated crops to increase productivity, vegetative development, and enhance resistance to environmental stress.



Green power

Algae extract in solid form
with biostimulating effect

Potassium Oxide (K ₂ O) soluble in water	19%
Nitrogen (N) organic	1%
Betain	0.1%
Mannitol	4%
Carbon (C) organic	23%

Green Power is a preparation with an exclusive formulation having an anti-stress function.

The components present in it, including: Betaines, Amino Acids, Alginic Acid, Mannitol, Auxins, Cytokinins and Gibberellins enhance cellular metabolism and positively influence the activity of important enzyme complexes.

The presence of Mannitol and Alginic Acid helps improve the transport of nutrients in plants in relation to the chelating capacities of these substances.



Biormon Plus

Seaweed Extract with **Ecklonia maxima**

Biormon Plus is a natural biostimulant that contains, in addition to carbohydrates, proteins, amino acids, vitamins, precious natural phyto regulators with an ideal ratio between auxins and cytokinins (360:1).

Thanks to the cold extraction process, the active substances of the extract are present in **Biormon Plus**, without having undergone qualitative or relationship alterations between them, thus making the product unique in its kind.

In the Ecklonia maxima extract, natural phyto regulators are found capable of stimulating the treated plants' natural defense systems against environmental factors such as cold and drought.

This, together with the optimal relationship between auxins and cytokinins, effectively stimulates the growth of plant tissues.



Huminal Combi

Umic Extract of **Leonardite**

Organic Matter	11%
Organic Matter on dry matter	62,5%
Humified Organic Matter on % on Organic Matter	62,5%
Organic Nitrogen on dry matter	0,6%
Ratio C/N	52

Humic and Fulvic Acids are organic molecules that, owing to their nature and structure, have the capacity to chelate large amounts of nutrients, thereby promoting their absorption and translocation within plant tissues, consequently fostering cell division and expansion.

Huminal Combi enhances the physicochemical characteristics of cultivated soil, boosts the development of the root system in crops, and increases the utilization of nutrients within the soil (chelating power). It is compatible with a wide variety of natural extracts and microelements.



Fulvinal Pro

Organic matter as is	13%
Organic matter on dry matter	62,5%
Humidified organic matter as a percentage on dry matter	62,5%
Organic nitrogen on dry matter	0,6%
Acid Fulvic content	45%w

Fulvinal Pro is a balanced blend of Fulvic Acids and Marine Algae of the genus *Ascophyllum nodosum*. It is an excellent vector for foliar and root fertilization; if applied on the leaves, moreover, it increases the production of chlorophyll, thus improving the absorption of oxygen. Fulvinal Pro has a soil improver action and strong stimulation of the microbial activity of the soil. Fulvinal Pro is a high quality biostimulant and an NPK coater, that is, capable of complexing the main nutritional elements to which it is associated and is miscible with a large variety of natural extracts and microelements.

Natural extracts

New

THE MAXIMUM EXPRESSION
OF RESEARCH AND IN THE BIOSYNTHESIS
OF NATURAL SUBSTANCES



ALLIUM L



CAPSIUM EC



Allium extract

Repellent, insecticidal and fungicidal action

COMPOSITION

- Physical state **Liquid Homogeneous**
- Color **Yellow**

CHARACTERISTICS

ALLIUM L is a concentrate of active substances obtained from the extraction of fresh garlic in water.

Its effectiveness derives from the synergy of numerous natural compounds present in the bulb. Among these, allin - a sulfur amino acid - is transformed by the enzyme alliinase into allicin, the main bioactive compound of garlic, known for its beneficial properties.

Although unstable, allicin rapidly degrades into stable sulfur compounds such as allyl sulfides (DAS, DADS, DATS), which prolong its activity. The preparation also contains ajoene, flavonoids and phenolic compounds with antioxidant properties, as well as plant saponins with surfactant effects.

DOSAGES FOR USE

Allium L is used on horticultural, floricultural and fruit crops by foliar application, at a dose of 200-400 ml/hl and by fertigation at a dose of 5-15 lt/ha. Consult the label for more detailed information.

Chili Pepper Extract

Repellent, insecticidal and fungicidal action

COMPOSITION

- Physical state **Liquid Homogeneous**
- Color **bright red**

CHARACTERISTICS

Capsium EC is a completely natural product, obtained from a concentrated extraction process of Capsicum varieties rich in capsaicin and capsaicinoids, the molecules responsible for the characteristic spicy effect. Thanks to its repellent, deterrent and support properties for the natural defense mechanisms of plants, it represents an effective, safe and eco-friendly solution for the containment of numerous parasites in agriculture.

It is not just a simple repellent, but a true phytoactive complex, in which the action does not depend on a single compound, but on the synergy between different natural substances.

DOSAGES FOR USE

Capsium EC is used on horticultural, floricultural and fruit crops by foliar application, at a dose of 200-400 ml/hl and in fertigation at a dose of 5-15 lt/ha. Consult the label for more detailed information.



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Natural extracts

Natural Extracts are products obtained by extraction from aromatic plant material, that is, rich in “essences” and phyto protective and phyto stimulant substances that are produced by plants for multiple reasons, including performing an allelopathic, antibiotic, repellent function.

The most interesting Plant Extracts from an agronomic point of view are: Garlic Extract, Nettle Extract, Tobacco Extract, Horsetail Extract, Oregano Extract, Rosemary Extract, Chilli Extract, Tansy Extract, etc.

A few drops of natural Garlic or Chilli Extract in treatments is effective both for cryptogamic diseases and against insect attacks.

All the Plant Extracts selected in this category represent the maximum expression of research and innovation of the SKL laboratories in green chemistry and in the biosynthesis of natural substances and raw materials from renewable sources.

SUMMARY

ALLIUM L (liquid garlic extract)

ALLIUM PB (garlic powder)

LIQUID PYRETHRUM EXTRACT

PYRETHRUM FLOWERS POWDER

TANSY EXTRACT

TOBACCO EXTRACT

OREGANO EXTRACT

CAPSIUM EC (Chili Pepper Extract)

Natural Extracts



Allium L

Natural extract based on **Garlic bulbs, liquid formulation**

Natural Garlic Extract is an innovative product of natural origin, formulated based on garlic extract (*Allium sativum*), designed to enhance the health and vitality of agricultural crops in a sustainable way, thanks to its rich composition of bioactive sulfur compounds.



Allium PB

Natural Extract based on **Garlic bulbs, powder formulation**

Natural Garlic Extract is an innovative product of natural origin, formulated based on garlic extract (*Allium sativum*), designed to enhance the health and vitality of agricultural crops in a sustainable way, thanks to its rich composition of bioactive sulfur compounds.



Pyrethrum Extract

Natural extract based on **hydrolyzed Pyrethrum flowers**

Pyrethrum extract is perhaps one of the most widely recognized formulations in Agriculture, widely employed, particularly in Organic Farming, for its potent insecticidal properties. Derived from the *Chrysanthemum* plant, it effectively targets and controls pests such as Aphids, Thrips, Moths, and Flies, ensuring the protection and health of crops.



Pyrethrum flowers powder

Natural extract based on **ground Pyrethrum flowers**

Pyrethrum extract is perhaps one of the most widely recognized formulations in Agriculture, widely employed, particularly in Organic Farming, for its potent insecticidal properties. Derived from the *Chrysanthemum* plant, it effectively targets and controls pests such as Aphids, Thrips, Moths, and Flies, ensuring the protection and health of crops.



Tancy Extract

Natural extract based on **Tanacetum vulgare**

Tancy Extract a novel formulation in Agriculture, is renowned for its intriguing insecticidal and fungicidal properties, making it a valuable asset in crop protection.

In the past, it was employed to repel flies and ants from homes, showcasing its versatility in pest management. Presently, it has gained widespread recognition in pharmacology due to its numerous advantageous effects on human health.



Tobacco Extract

Natural extract based on **Tobacco leaves**

Tobacco Extract is well known for its potent insecticidal properties, attributed to the presence of the characteristic alkaloid found in Tobacco leaves: Nicotine. This significant chemical compound acts as a powerful repellent against major insect pests in our agricultural crops, effectively warding off nuisances such as Aphids and Mites and safeguarding the health of the harvest.



Oregan Extract

Natural extract based on **Oregan**

Beyond being a highly significant spice in the Mediterranean region, **Oregano** boasts essential pharmacological properties. In the field of agriculture, it is effectively utilized for controlling Citrus Mealybugs, both by applying it as a brush-on paste on the trunks and through foliar applications, safeguarding citrus trees and ensuring healthy yields.



Capsium EC

Natural Extract based on **Chili Pepper in concentrated emulsion**

Chili Pepper Extract is a 100% natural product, obtained through concentrated extraction of Capsicum varieties with a high content of capsaicin and capsaicinoids. Thanks to its repellent, deterrent and adjuvant properties of natural defenses, it represents an eco-friendly and safe solution for the control of numerous harmful organisms in agriculture.

Copper based

New

NUTRITION AND PROTECTION
IN ONE SOLUTION



ORANGE 200



Copper-based fertilizer
in oil suspension (OD)

COMPOSITION

- Copper (CuO) in Oxide form 20%

CHARACTERISTICS

Orange 200 is a simple inorganic fertilizer based on microelements, containing Copper (Cu) in the form of oxide (CuO), with a concentration of 20% w/v (15% w/w). The oil dispersion formulation (OD) ensures high adhesion to plant surfaces, a gradual release of copper and prolonged persistence, even in unfavorable climatic conditions.

Thanks to the high content of copper in oxidized form, Orange 200 is effective both for preventing and correcting nutritional deficiencies, and as a support in integrated defense programs, contributing to the prevention of physiopathies and the reduction of the pressure of some pathogens.

DOSAGES FOR USE

Orange 200 is used on horticultural, floricultural and fruit crops by foliar application, at a dose of 100-300 gr/hl. Consult the label for more detailed information.

GLUCORAME



Copper Sulphate complexed
with Gluconic Acid

COMPOSITION

- Copper sulphate (Cu) 5%

CHARACTERISTICS

Glucorame is a liquid formulation based on copper sulphate complexed with gluconic acid, designed to ensure high availability and rapid absorption of copper in the plant. Gluconic acid, of natural origin, improves the solubility and translocation of copper in plant tissues, reducing the risk of phytotoxicity and optimizing nutritional efficacy.

Regular use of Glucorame promotes vegetative vitality, enhances photosynthetic efficiency and supports quality and production yield. Furthermore, complexed copper helps strengthen the plant's natural defenses against pathogens, interfering with the cellular processes of fungi and bacteria and inducing an effective protective response.

DOSAGES FOR USE

Glucorame is used on horticultural, floricultural and fruit crops by foliar application, at a dose of 2-4 kg/ha. Consult the label for more detailed information.



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Copper based

Copper is a micro-nutrient necessary for plants and animals health. Copper deficiency in the soil decreases yields and crop quality.

Rice and Wheat, are very sensitive to copper deficiency as also Citrus, Oat, Spinach, Carrot, etc.

Copper is involved in different enzymatic systems where it cannot be replaced by any other metal ion.

It is essential for the synthesis of Carbohydrates and Nitrogen, it is involved in the formation of the cell walls, in the transport of electrons and in oxidation reactions.

Copper deficiency symptoms occur with desiccation of younger leaves; stems, branches and twigs are less strong, small leaves with brown spots and delayed growth

SUMMARY

COPPER SULPHATE (CuSO₄)

OKYPOL 20 WP (Bordeaux Mix.)

OKYRAM 50 WDG (Copper Oxych.)

OKYRAM 50 WP (Copper Oxych.)

CUPROL 20 BLU (Copper hydroxide)

CUPROL 20 VERDE (Copper Oxych.)

CUPROL 20 ROSSO (Copper Oxide)

ORANGE 200 (Copper Oxide)

COPPER EDTA 13%

GLUCORAME

CUPROLIVO (Copper + Sulphur + AA)

CUPROVITE (Copper + Sulphur + AA)

CUPROKAO (Copper + Kaolin)

CUPROZEO (Copper + Zeolite)

CUPROGEL (Copper + Silica Gel)

CUPROBENT (Copper + Bentonite)

Copper based



Copper based

	<h2>Copper Sulphate</h2> <p>CE Fertilizer Copper Sulphate</p>	<p>Copper is involved in various enzymatic systems where it cannot be replaced by any other metal ion.</p> <p>It is essential in the metabolism of carbohydrates and nitrogen, involved in the formation of the cell wall, electron transport, and oxidation reactions.</p> <p>Copper also influences the chemical composition and formation of cell walls, the synthesis of lignin, which in turn affects lignification and the physical strength of shoots and stems that need to defend themselves against parasitic attacks.</p>
	<p>Copper (Cu) soluble in water 25%</p> <p>Raw materials: Copper Salts (sulphate)</p>	

	<h2>Okypol 20 wp</h2> <p>Microelements mixture Manganese (Mn) (sulphate) and Copper (Cu)</p>	<p>Okypol 20 wp is a fertilizer based on Copper Sulfate, with the addition of Manganese. It comes in the form of wettable powder.</p> <p>Copper and Manganese are involved in the functioning of various plant enzymatic systems: they participate in the metabolism of carbohydrates and nitrogen, in electron transport, in the formation of the cell wall, in lignin synthesis, etc.</p> <p>The content of Cu (20%) and Mn (0.2%) makes Okypol 20 WP an ideal product for the prevention and treatment of micro deficiencies.</p>
	<p>Manganese (Mn) soluble in water 0.2%</p> <p>Total (Cu) Copper 20%</p>	

	<h2>Okyram 50 wdg</h2> <p>Copper oxychloride microgranular</p>	<p>Okyram 50 WDG is a fertilizer based on Copper oxychloride.</p> <p>Copper is a micronutrient necessary for the health of plants and animals.</p> <p>Copper deficiency in the soil is a problem for food production, as it leads to a decrease in yields and crop quality. Nitrogen fertilizers can exacerbate copper deficiency in soils. Rice and wheat, the two most important staple foods in the world, are highly sensitive to copper deficiency; the same is true for other important crops including citrus, oats, spinach, etc.</p>
	<p>Total (Cu) Copper 50%</p> <p>Raw materials: Copper Oxychloride</p>	

	<h2>Okyram 50 wp</h2> <p>Copper oxychloride wettable powder</p>	<p>Okyram 50 WP is a fertilizer based on Copper oxychloride.</p> <p>Copper is a micronutrient necessary for the health of plants and animals.</p> <p>Copper deficiency in the soil is a problem for food production, as it leads to a decrease in yields and crop quality. Nitrogen fertilizers can exacerbate copper deficiency in soils. Rice and wheat, the two most important staple foods in the world, are highly sensitive to copper deficiency; the same is true for other important crops including citrus, oats, spinach, etc.</p>
	<p>Total (Cu) Copper 50%</p> <p>Raw materials: Copper Oxychloride</p>	



Cuprol 20 Blue

Microelements mixture
Manganese (Mn) and Copper (Cu)
Flowable Formulation

Cuprol 20 Blue is a fertilizer based on Copper Hydroxide, with the addition of Manganese, in a flowable formulation with a pleasant pine odor.

Copper and Manganese are involved in the functioning of various plant enzymatic systems: they are involved in the metabolism of carbohydrates and nitrogen, in the transport of electrons, in the formation of the cell wall, in the synthesis of lignin, etc. The content of Cu (20%) and Mn (0.2%) makes Cuprol Blu an ideal product for the prevention and treatment of micro deficiencies.

Copper (Cu) hydroxide	20%
Manganese (Mn)	0,5%



Cuprol 20 Verde

Microelements mixture
Manganese (Mn) and Copper (Cu)
Flowable Formulation

Cuprol 20 Verde is a fertilizer based on Tribasic Copper Sulphate, with the addition of Manganese in a flowable formulation.

Copper and Manganese are involved in the functioning of various plant enzymatic systems: they are involved in the metabolism of carbohydrates and nitrogen, in the transport of electrons, in the formation of the cell wall, in the synthesis of lignin, etc. The content of Cu (20%) and Mn (0.5%) makes Cuprol Verde an ideal product for the prevention and treatment of micro deficiencies.

Copper (Cu) tribasic sulphate	20%
Manganese (Mn)	0,5%



Cuprol 20 Rosso

Microelements mixture
Iron (Fe) and Copper (Cu)
Flowable Formulation

Cuprol 20 Rosso is a fertilizer based on Cuprous Copper with differentiated release, designed to make a part of the Copper ions immediately available, while another fraction dissolves slowly, ensuring a gradual release and optimal persistence.

Compared to other types of copper salts, Cuprous Oxide stands out for the higher fineness of its particles (normally under 1 micron) which gives the product a high adhesiveness and persistence on the leaves, even after heavy rain.

Copper (Cu) Cuprous oxide	20%
Iron (Fe)	0,5%



Orange 200

Copper-based fertilizer
in oil suspension (OD)

Orange 200 is a simple inorganic fertilizer based on microelements containing Copper (Cu) in the form of oxide.

Its composition makes it a highly effective product both from a nutritional point of view and as an adjuvant in integrated defense programs. The formulation in oily suspension guarantees better adhesion to plant surfaces, a gradual release of the microelement and a greater persistence of action, even in adverse environmental conditions.

Copper (CuO) in Oxide form	20%
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Copper based





Copper EDTA 13%

CE Fertilizer
Copper Chelate EDTA

Water soluble copper chelate (Cu - EDTA)	13%
Water soluble copper chelate (Cu - EDTA)	

Rame EDTA is a product based on the microelement Copper complexed with ethylenediaminetetraacetic acid that makes the Copper element easily assimilable. As a fertilizer it is particularly useful for preventing and treating Copper deficiency in all crops, distributed through foliar applications it plays a fundamental role:

- in the synthesis of chlorophyll;
- in the production of auxins;
- in growth processes;
- in improving the production and color of fruits;



GlucoRame

EC fertilizer based on Copper
complexed with Gluconic Acid

Copper sulphate (Cu)	5%
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GlucoRame is a copper-based formulation in the form of sulphate, complexed with gluconic acid, which improves its absorption and translocation within the plant. Thanks to its high solubility and bioavailability, copper gluconate rapidly enters plant tissues, promoting effective intervention at critical moments in crop development.

Regular use of GlucoRame is associated with an increase in vegetative vitality, greater photosynthetic efficiency and a general improvement in the qualitative and quantitative characteristics of production. Furthermore, complexed copper acts positively on the plant's resistance to biotic stress, thanks to its ability to interfere with the vital processes of pathogenic microorganisms, acting on different sites: cell membranes, inhibition and oxidative stress.



Cuprolivo

Copper based
fertilizer with Sulphur

Total (Cu) Copper	12%
Copper (Cu) soluble in water	12%
Sulphur (S) element	56%

Cuprolivo wgs is a CE fertilizer based on Copper and Sulfur, in WGS (Water-dispersible Granules) form. This product is designed for foliar applications on both mature and young olive plants.

Cuprolivo wgs is an absolutely innovative product, as it aims to facilitate the use of two elements, Copper and Sulfur, with complete safety and convenience. Its WGS formulation allows for a strong synergistic activity of the two elements, enhancing their beneficial effects on vegetation, while simultaneously reducing the risks of inhaling irritating dust particles of Sulfur and Copper.



Cuprovite

Microelements mixture fertilizer with
Copper, Boron and Manganese

Total (Cu) Copper	12%
Copper (Cu) soluble in water	12%
Boron (B) soluble in water	1%
Manganese (Mn) soluble in water	1%
Sulphur (S) element	56%

Cuprovite wgs is an absolutely innovative product, designed to facilitate the use of two elements, Copper and Sulfur, with complete safety and convenience.

Its WGS formulation allows for a strong synergistic activity of the two elements, enhancing their beneficial effects on vegetation, while simultaneously reducing the risks of inhaling irritating dust particles of Sulfur and Copper.

Cuprovite wgs is primarily used in spring and summer, and its effectiveness is enhanced by high temperatures.

Copper based





Cuprokao

Microelements based Fertilizer
**Copper (Cu), Iron (Fe)
and Caolin Clay 2 μm**

Cuprokao is an interesting blend of microelements (Cu and Fe) and Kaolin suitable for preventing and treating deficiencies of these elements and inducing plant resistance to biotic and abiotic stresses.

The use of Cuprokao in defense protocols increases crop protection against various types of pathogenic attacks. SKL Kaolin is an extra-fine (2μm) white mineral that offers numerous agronomic advantages: it enhances plant resistance to abiotic stresses, such as high temperatures and sunburn, creating a barrier against UV rays that can damage fruits and leaves.

Copper Oxychloride 50% (Cu)	8%
Iron (Fe)	1%



Cuprozeol

Microelements based Fertilizer
Copper (Cu), Iron (Fe) and Zeolite

Cuprozeol is an interesting blend of microelements (Cu and Mn) and Clinoptilolite Zeolite suitable for preventing and treating deficiencies of these elements and inducing plant resistance to biotic and abiotic stresses.

The use of Cuprozeol increases crop protection against pathogenic attacks.

SKL Zeolite is a high-quality mineral with an extra-fine crystalline structure (2μm): it improves plant resistance to biotic and abiotic stresses and creates a potent barrier against major plant diseases.

Copper Oxychloride 50% (Cu)	10%
Iron (Fe)	1%



Cuprogel

Microelements based Fertilizer
**Copper (Cu), Iron (Fe)
and Silica Gel**

Cuprogel is an interesting blend of microelements (Cu and Fe) and Silica Gel suitable for preventing and treating deficiencies of these elements and inducing plant resistance to biotic and abiotic stresses.

The use of Cuprogel in defense protocols increases crop protection against various pathogenic attacks. SKL Silica Gel is an extra-fine (0.2μm) high-quality product, useful for local moisture control on vegetation, thanks to its excellent adsorption capacity, where water vapor molecules bind to the external and internal surface of the gel.

Copper Oxychloride 50% (Cu)	10%
Iron (Fe)	1%



Cuproben

Microelements based Fertilizer
**Copper (Cu), Iron (Fe)
and Bentonite**

Cuproben is an interesting blend of microelements (Cu and Fe) and Bentonite suitable for preventing and treating deficiencies of these elements and inducing plant resistance to biotic and abiotic stresses.

The use of Cuproben in defense protocols increases crop protection against various pathogenic attacks. Bentonite is a mineral rich in meso and microelements: it absorbs large amounts of water from leaves and fruits, inhibiting the proliferation of pathogens and healing the micro-lesions that would otherwise easily lead to fungal infections.

Copper Oxychloride 50% (Cu)	6%
Iron (Fe)	1%

Complex line

New

FERTILIZERS WITH A HIGH CONTENT OF COMPLEXED MICRO AND MESOELEMENTS



MICROMIX EDTA

SEYFER 480



Mixture of microelements: Iron (Fe) (EDTA), Manganese (Mn) (EDTA), Zinc (Zn) (EDTA)

Iron Chelate (EDDHA) foliar for Citrus, Fruit and Vegetables

COMPOSITION

- Iron (Fe) chelated with EDTA 7%
- Manganese (Mn) chelated with EDTA 2.2%
- Zinc (Zn) chelated with EDTA 2.5%

CHARACTERISTICS

Micromix EDTA is an innovative formulation based on Iron, Manganese and Zinc complexed with ethylenediaminetetraacetic acid (EDTA), developed to effectively address the most common micronutrient deficiencies affecting crops such as vines, fruit trees and ornamental plants.

Its balanced composition is designed to prevent and correct multiple deficiencies – in particular of iron, zinc and manganese – which often manifest themselves with leaf chlorosis and widespread yellowing.

DOSAGES FOR USE

Micromix EDTA is used on horticultural, floricultural and fruit crops by foliar application, at an average dose of 100-250 gr/hl and radical at a dose of 5-50kg/ha. Consult the label for more detailed information.

COMPOSITION

- Water soluble iron 6.0%
- Iron chelated with EDDHA [0,0] 4.8%

CHARACTERISTICS

Seyfer 480 is a chelated iron-based fertilizer, formulated to prevent and treat iron deficiency in crops, especially in the most sensitive species such as citrus fruits. It is a high-quality and soluble product, effective against iron chlorosis, a condition that manifests itself with the interveinal yellowing of the leaves, reducing the growth of the plant and compromising flowering and fruiting.

The iron present in **Seyfer 480**, in the form of EDDHA chelate, is highly available and easily absorbed by the roots, ensuring a rapid and long-lasting supply.

DOSAGES FOR USE

Seyfer 480 is used on horticultural, floricultural and fruit crops by radical application, at an average dose of 25-50 g per plant. Consult the label for more detailed information.



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Complexed Nutrients

The products in the **Complex line** are high-titer liquid and powder fertilizers with a complex of micro and meso-elements, chelated with alpha-hydroxides acids (AHA), Calcium Lignosulfonate (LSC), Ethylenediaminetetraacetic acid (EDTA), and Polyamide (DTPA).

The products in the Complex line are not influenced by the chemical characteristics of the soil water, and their stability is maximum at both acidic and alkaline pH.

The Complex line is effective in the treatment and prevention of many physiological disorders due to deficiencies of Meso (Mg, Ca) and Micro elements (Fe, Mn, Zn, B, etc).

They provide the plant with easily assimilable elements, both foliar and root-absorbed.

They are ideal, therefore, for the prevention and treatment of possible deficiency states.

SUMMARY

SEYFER 320 (Fe EDDHA 6% - 3,2 o-o)

SEYFER 480 (Fe EDDHA 6% - 4,8 o-o)

FERRO EDTA (13% Fe)

FERRO DTPA 11%

FERRO DTPA L 6%

FERRO COMPLEX (Fe Gluconate)

FERRO BICOMPLEX

AMILOFER

BIO CALCIO (LSC)

CALCIO COMPLEX (Ca Gluconate)

CALCIO FORTE 400 WP $\text{Ca}(\text{HCOO})_2$

MULTIMICRO L COMPLEX (AHA)

MICROMIX OLIVO (EDTA Mix)

MICROMIX VITE (EDTA Mix)

MICROMIX DTPA (DTPA Mix)

MICROMIX EDTA (DTPAA Mix)

ZINCO COMPLEX (Zn Gluconate)

ZINCO EDTA 15%

ZINCO FORTE ($\text{CH}_3\text{CO}_2\text{Zn}$)

Zn & Mn COMPLEX (Zn+Mn Gluconate)

MANGANESE EDTA 13%

BORO COMPLEX (B Etanolammine)

MAGNESIO COMPLEX (Mg Gluconate)

POTASSIO FORTE ($\text{CH}_3\text{CO}_2\text{K}$)

Complex Line



	<h2>Seyfer 320</h2>		<p>Seyfer 320 is a fertilizer based on iron chelate specifically for the prevention and treatment of iron deficiency in crops, especially in the most sensitive ones, such as Citrus.</p> <p>It is a product of high quality and solubility; it prevents and treats iron deficiency and its manifestations of "ferric chlorosis", namely the interveinal yellowing that often occurs in leaves, causing reduced growth and consequently, poor flowering and fruiting. Ferric chlorosis is very often found in Citrus (especially Lemon), Vine, Apple, Peach, Tomato, and Strawberry.</p>
	CE Fertilizer Iron Chelated (EDDHA)		
	Iron (Fe) soluble in water	6%	
	Iron (Fe) chelated with EDDHA	3,2%	
	Chelating agent: EDDHA		

	<h2>Seyfer 480</h2>		<p>Seyfer 480 is a fertilizer based on iron chelate specifically for the prevention and treatment of iron deficiency in crops, especially in the most sensitive ones, such as Citrus.</p> <p>It is a product of high quality and solubility; it prevents and treats iron deficiency and its manifestations of "ferric chlorosis", namely the interveinal yellowing that often occurs in leaves, causing reduced growth and consequently, poor flowering and fruiting. Ferric chlorosis is very often found in Citrus (especially Lemon), Vine, Apple, Peach, Tomato, and Strawberry.</p>
	Concime CE Chelato di Ferro (EDDHA)		
	Iron (Fe) soluble in water	6%	
	Iron (Fe) chelated with EDDHA	4,8%	
	Chelating agent: EDDHA		

	<h2>Ferro EDTA 13%</h2>		<p>Ferro EDTA is a product based on the microelement Iron complexed with ethylenediaminetetraacetic acid (EDTA), which makes the Iron element easily assimilable. As a fertilizer, it is particularly useful for preventing and treating iron chlorosis in all crops. Through foliar or root applications, it plays a fundamental role in:</p> <ul style="list-style-type: none"> • chlorophyll synthesis; • auxin production; • growth processes; • improving fruit production and coloration.
	Concime CE Chelato di Ferro EDTA		
	Iron chelate (Fe - EDTA) soluble in water	13%	
	Chelating agent: EDTA		

	<h2>Ferro DTPA 11%</h2>		<p>Ferro DTPA is a powder product based on the microelement Iron complexed with diethylenetriamine pentaacetate (DTPA) which makes the element Iron stable to sunlight and easily assimilable via the leaves. As a fertilizer it is particularly useful for preventing and treating iron chlorosis in all crops and plays a fundamental role through foliar or root applications:</p> <ul style="list-style-type: none"> • in the synthesis of chlorophyll; • in the production of auxins; • in growth processes; • improving fruit production and coloring;
	CE Fertilizer Iron Chelated DTPA		
	Iron complex DTPA	11%	



Ferro DTPA L 6%

CE Fertilizer
Iron Chelated DTPA

Iron complex DTPA	6%
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Ferro DTPA L is a liquid product based on the microelement Iron complexed with diethylenetriamine pentaacetate (DTPA) which makes the element Iron stable to sunlight and easily assimilable via the leaves. As a fertilizer it is particularly useful for preventing and treating iron chlorosis in all crops and plays a fundamental role through foliar or root applications:

- in the synthesis of chlorophyll;
- in the production of auxins;
- in growth processes;
- improving fruit production and coloring;



Ferro complex

Copper Based Fertilizer
complexed with amino acids
and peptides

Iron (Fe) soluble in water	5%
Iron (Fe) complexed	5%

Complexing agent: protein hydrolysate

Ferro Complex is a high-grade liquid fertilizer rich in Iron, complexed with alpha-hydroxides (AHA). Unlike other chelating agents, AHAs do not disrupt the structure of plant cell walls during absorption. Iron Complex is unaffected by the chemical characteristics of soil water and maintains maximum stability at both acidic and alkaline pH levels.

The product is effective in the treatment and prevention of many physiopathies resulting from Iron deficiency. The particular formulation of Iron Complex provides the plant with easily assimilable Iron.



Ferro Bicomplex

Iron based fertilizer
complexed with amino acids
and peptides

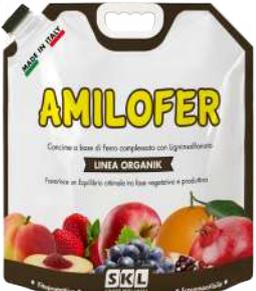
Iron (Fe) soluble in water	8%
Iron (Fe) complexed	6%

Complexing agent: hydrolyzate of animal proteins

Ferro Bicomplex is a high-titer liquid fertilizer with a high concentration of Iron, complexed with amino acids of very low molecular weight.

Ferro Bicomplex, thanks to its particular composition, is doubly protected from interactions that occur with the surrounding environment: in this way, Iron can be rapidly assimilated, translocated, and metabolized by the plant.

In fact, extensive research has shown that the product has a positive effect on the plant within a few hours of treatment.



Amilofer

Iron-based fertilizer
complexed with **Lignine sulfonate**

Watersoluble (Fe) Iron	5%
Iron (Fe) complexed with Lignine sulfonate	5%

Amilofer is a professional fertilizer based on water-soluble iron (Fe) complexed with lignosulfonate, formulated to ensure rapid and prolonged availability of the micronutrient, promoting the prevention and treatment of iron deficiencies in a wide range of crops. The natural lignosulfonate formulation ensures high compatibility with other mixes and excellent safety of use.

The use of Amilofer increases yields, fruit set, fruit size, organoleptic qualities, and shelf life of fruit.

Complex Line



	<h2>Bio Calcio</h2> <p>Calcium Complexed Ammonium lignosulphonate</p>		<p>Bio Calcio is a liquid fertilizer with a high calcium content, complexed with ammonium lignosulphonates deriving from the wood cellulose extraction process.</p> <p>Unlike other chelating agents, lignosulfonates do not destroy the structure of plant cell walls during absorption. Bio Calcio is not influenced by the chemical characteristics of soil water and its stability is maximum at both acid and alkaline pH.</p> <p>The product is effective in the treatment and prevention of many physiopathologies due to calcium deficiency.</p>
	<p>Total Calcium Oxide (CaO)</p>	15%	
	<p>Calcium oxide (CaO) in complexed form</p>	12%	

	<h2>Calcio Complex</h2> <p>Fertilizer CE Calcium Nitrate Solution</p>		<p>Calcio Complex is a high-grade liquid fertilizer rich in Calcium, complexed with alpha-hydroxides (AHA). Unlike other chelating agents, AHAs do not disrupt the structure of plant cell walls during absorption.</p> <p>Calcium Complex is unaffected by the chemical characteristics of soil water and maintains maximum stability at both acidic and alkaline pH levels.</p> <p>The product is effective in the treatment and prevention of many physiopathies resulting from Calcium deficiency.</p>
	<p>Total (N) Nitrogen</p>	8%	
	<p>Calcium Oxide (Ca) soluble in water</p>	10%	

	<h2>Calcio Forte 400</h2> <p>Fertilizer CE Calcium Formate</p>		<p>Calcio Forte 400 wp is a product with a high calcium content, complexed with an organic acid (formic acid) highly soluble in water, suitable for use on all crops, fruit and leaves.</p> <p>Its use is recommended in all phenological phases: from pre-flowering to harvest. Unlike calcium nitrate which also contains nitrogen, this product is free of it, therefore it can be used as a source of readily assimilable calcium even in the presence of plants with high vegetative vigor or in organic management.</p>
	<p>Calcium Oxide (Ca) soluble in water</p>	40%	

	<h2>Multimicro L</h2> <p>Microelements mixture Fe (sulphate), Mn (sulphate) Zn (sulphate)</p>		<p>Multimicro L Complex is a state-of-the-art product based on micronutrients, resulting from research and experience in resolving multiple micronutritional deficiencies in Grapevines and Fruit trees.</p> <p>Multimicro L Complex is particularly suitable for the prevention and treatment of specific multiple deficiencies, such as iron, zinc, and manganese, which manifest as yellowing and chlorosis of the leaf tissue in many crops. Multimicro L Complex can be used on all crops, both foliarly and radially.</p>
	<p>Iron (Fe) soluble in water</p>	2%	
	<p>Manganese (Mn) soluble in water</p>	0,5%	
	<p>Zinc (Zn) soluble in water</p>	2%	



Micromix Olivo

Boron (B) soluble in water	12%
Iron (Fe) soluble in water	1,6%
Iron (Fe) chelated with EDTA	1,6%
Manganese (Mn) soluble in water	0,8%
Manganese (Mn) chelated with EDTA	0,8%
Zinc (Zn) soluble in water	1,6%
Zinc (Zn) chelated with EDTA	1,6%

Micromix Olivo is a product based on Boron, Iron, Manganese, and Zinc complexed with ethylenediaminetetraacetic acid (EDTA), resulting from research and experience in resolving multiple micronutritional deficiencies in Vines, Fruit trees, and Flowers.

Micromix Olivo is particularly suitable for the prevention and treatment of specific multiple deficiencies, such as Boron, Iron, Zinc, and Manganese, which manifest as yellowing and chlorosis of the leaf apparatus in many crops.



Micromix Vite

Boron (B) soluble in water	8,5%
Iron (Fe) soluble in water	3,7%
Iron (Fe) chelated with EDTA	3,7%
Manganese (Mn) soluble in water	1%
Manganese (Mn) chelated with EDTA	1%
Zinc (Zn) soluble in water	2,1%
Zinc (Zn) chelated with EDTA	2,1%

Micromix Vite is a product based on Boron, Iron, Manganese, and Zinc complexed with ethylenediaminetetraacetic acid (EDTA), resulting from research and experience in resolving multiple micronutritional deficiencies in Vines, Fruit trees, and Flowers.

Micromix Vite is particularly suitable for the prevention and treatment of specific multiple deficiencies, such as Boron, Iron, Zinc, and Manganese, which manifest as yellowing and chlorosis of the leaf apparatus in many crops.



Micromix DTPA

Iron (Fe) soluble in water	7%
Iron (Fe) chelated with DTPA	7%
Manganese (Mn) soluble in water	2,2%
Manganese (Mn) chelated with DTPA	2,2%
Zinc (Zn) soluble in water	2,5%
Zinc (Zn) chelated with DTPA	2,5%

Chelating agent: DTPA

Micromix DTPA is a product based on Iron, Manganese, and Zinc chelated with diethylenetriaminepentaacetic acid (DTPA), the result of research and experience in resolving multiple micronutritional deficiencies in Grapevines, Fruit trees, and Floriculture.

Micromix DTPA is particularly suitable for the prevention and treatment of specific multiple deficiencies, such as Iron, Zinc, and Manganese, which manifest as yellowing and chlorosis of the leaf tissue in many crops.



Micromix EDTA

Iron (Fe) soluble in water	7%
Iron (Fe) chelated with EDTA	7%
Manganese (Mn) soluble in water	2,2%
Manganese (Mn) chelated with EDTA	2,2%
Zinc (Zn) soluble in water	2,5%
Zinc (Zn) chelated with EDTA	2,5%

Chelating agent: EDTA

Micromix EDTA is a product based on Iron, Manganese, and Zinc chelated with ethylenediaminetetraacetic acid (EDTA), the result of research and experience in resolving multiple micronutritional deficiencies in Grapevines, Fruit trees, and Floriculture.

Micromix EDTA is particularly suitable for the prevention and treatment of specific multiple deficiencies, such as Iron, Zinc, and Manganese, which manifest as yellowing and chlorosis of the leaf tissue in many crops.

Complex Line



	<h2>Zinco Complex</h2> <p>CE Fertilizer Zinc sulphate solution</p> <table border="0"> <tr> <td>Zinc (Zn) soluble in water</td> <td>11%</td> </tr> </table>	Zinc (Zn) soluble in water	11%	<p>Zinco Complex is a product based on Zinc complexed with medium molecular weight carboxylic acids, to be used in foliar applications, for the prevention and treatment of deficiencies caused by this element.</p> <p>The special formulation allows for the rapid assimilation of the Zinc ion through the cell membrane and the complete utilization of this element.</p> <p>The organic acids that accompany Zinc Complex are also easily and rapidly assimilated, even through the roots.</p>		
Zinc (Zn) soluble in water	11%					
	<h2>Zinco EDTA 15%</h2> <p>CE Fertilizer Zinc Chelated EDTA</p> <table border="0"> <tr> <td>Zinc (Zn) soluble in water</td> <td>15%</td> </tr> <tr> <td>Zinc (Zn) chelated EDTA</td> <td>15%</td> </tr> </table>	Zinc (Zn) soluble in water	15%	Zinc (Zn) chelated EDTA	15%	<p>Zinco EDTA is a product based on the microelement Zinc complexed with ethylenediaminetetraacetic acid (EDTA), which makes the Zinc element easily assimilable. Acting as a catalyst for important physiological and biochemical processes and a precursor of Tryptophan, Zinc plays a fundamental role in:</p> <ul style="list-style-type: none"> • Chlorophyll synthesis; • Auxin production; • Growth processes; • Improving fruit production and maturation;
Zinc (Zn) soluble in water	15%					
Zinc (Zn) chelated EDTA	15%					
	<h2>Zinco Forte</h2> <p>CE Fertilizer Zinc complexed with AHA</p> <table border="0"> <tr> <td>Zinc (Zn) complexed with AHA</td> <td>30%</td> </tr> </table>	Zinc (Zn) complexed with AHA	30%	<p>Zinco Forte is a product based on Zinc complexed with medium molecular weight carboxylic acids, to be used in foliar applications, for the prevention and treatment of deficiencies caused by this element.</p> <p>The special formulation allows for the rapid assimilation of the Zinc ion through the cell membrane and the complete utilization of this element.</p> <p>The organic acids that accompany Zinc Complex are also easily and rapidly assimilated, even through the roots.</p>		
Zinc (Zn) complexed with AHA	30%					
	<h2>Zn & Mn Complex</h2> <p>Microelements mixture based on Manganese and Zinc</p> <table border="0"> <tr> <td>Zinc (Zn) soluble in water</td> <td>3%</td> </tr> <tr> <td>Manganese (Mn) soluble in water</td> <td>2%</td> </tr> </table>	Zinc (Zn) soluble in water	3%	Manganese (Mn) soluble in water	2%	<p>Zn & Mn Complex is a product based on Zinc and Manganese complexed with medium molecular weight carboxylic acids, suitable for foliar applications to prevent and treat deficiencies caused by these elements.</p> <p>The special formulation enables the rapid assimilation of the Zinc and Manganese ions through the cell membrane and the complete utilization of these elements.</p> <p>The organic acids that accompany the complex are also easily and rapidly assimilated, even through the roots.</p>
Zinc (Zn) soluble in water	3%					
Manganese (Mn) soluble in water	2%					

	<h2>Manganese EDTA 13%</h2>	<p>Manganese EDTA is a product based on the microelement Manganese complexed with ethylenediaminetetraacetic acid (EDTA), which makes the Manganese element easily assimilable. As a fertilizer, it is particularly useful for preventing and treating Manganese deficiency in all crops. Through foliar or root applications, it plays a fundamental role in:</p> <ul style="list-style-type: none"> • chlorophyll synthesis; • auxin production; • growth processes; • improving final production.
	<p>CE Fertilizer Manganese Chelated EDTA</p>	
<p>Manganese chelate (Mn - EDTA) soluble in water 13%</p> <p>Chelating agent: EDTA</p>		

	<h2>Boro Complex</h2>	<p>Boron chelated with an organic molecule and the liquid formulation allow Boro Complex to achieve perfect product distribution uniformly through foliar application. It significantly promotes fertilization and regulates the absorption of macronutrients and the transport of sugars in the plant.</p> <p>Applications become necessary when plants exhibit poor vegetative growth or reduced fruit set, as well as for problems such as grape shot in vines, corky ringspot in certain fruit trees, sugar beet heart rot, stunted tobacco growth, and more.</p>
	<p>Fertilizer CE Boron Ethanolamine</p>	
<p>Boron (B) soluble in water 11%</p> <p>Product registered in the Register of fertilizers for organic use: n° 10725/15</p>		

	<h2>Magnesio Complex</h2>	<p>Magnesio Complex is a product based on Magnesium complexed with Alpha Hydroxy Acids (AHA), to be used in foliar applications for the prevention and treatment of deficiencies caused by this element.</p> <p>The special formulation allows for the rapid assimilation of the Magnesium ion through the cell membrane and the complete utilization of this element.</p> <p>The organic acids that accompany Magnesium Complex are also easily and quickly assimilated.</p>
	<p>Ce Fertilizer Magnesium Nitrate Solution</p>	
<p>Nitrogen (N) Nitric 6%</p> <p>Magnesium oxide (MgO) soluble in water 9%</p>		

	<h2>Potassio Forte</h2>	<p>The functions of Potassio Forte are manifold and are particularly evident in the phase preceding the ripening of fruits. It promotes the accumulation of sugars, enhances color, provides greater shelf life, and improves the organoleptic qualities of the fruits.</p> <p>Potassium Plus can be used, at the recommended doses, both foliarly and via fertigation.</p> <p>In cells, it participates in the transformation of nitrates into proteins and regulates the opening of stomata.</p>
	<p>CE Fertilizer Potassium Nitrate</p>	
<p>Total (N) Nitrogen 13%</p> <p>Nitric (N) Nitrogen 13%</p> <p>Potassium oxide (K₂O) soluble in water 46%</p>		

Special line

New

WIDE RANGE OF WETTERS,
ADHESIVES AND SURFACTANTS



SOLWET



BASE GOLD



Organic humectant with surfactant action

Natural wetting and tackifier based on Pinolene

COMPOSITION

- Organic Surfactants
- Amino acids

CHARACTERISTICS

Solwet is an organic humectant formed by surfactants with a hydrophilic part that retains water and a hydrophobic part that binds to the soil. This characteristic allows it to capture and retain water in the soil for prolonged periods, improving water distribution especially in soils with poor drainage capacity, sandy or hydrophobic.

The use of Solwet promotes better penetration and percolation of water in the soil, ensuring greater availability of oxygen for the roots and general physiological well-being of the plants, with a consequent increase in production.

DOSAGES FOR USE

Solwet is used on horticultural, floricultural and fruit crops through fertigation, at an average dose of 1-3 lt/ha. Consult the label for more detailed information.

COMPOSITION

- Pinolene 40%
- Fatty Acids and Distillates 30%
- Emulsifiers 30%

CHARACTERISTICS

Base Gold is a concentrated emulsion of natural origin, composed of pinolene and resinolin, which acts as an adjuvant in surface treatments. It coats surfaces with a thin natural waxy film that promotes uniform distribution and greater persistence of the applied products, thus increasing their effectiveness. This natural film reduces losses due to leaching and degradation, regulates transpiration by slowing evaporation and protects surfaces from the harmful effects of humidity and adverse weather conditions. Furthermore, it acts as a physical barrier against parasitic attacks by fungi and insects.

DOSAGES FOR USE

Base Gold is used on horticultural, floricultural and fruit crops by foliar application on average from 1 gr/lt to 10 gr/lt based on the purpose. Consult the label for more detailed information.



Scan the QR Code and
visit our website



Special Line

Our special line of agricultural products includes a wide range of wetting agents, adhesives, surfactants, and pH correctors.

Our products are formulated to enhance the effectiveness of agrochemicals and protect plants from harmful agents in vegetables, plant parts, or plant products used for food purposes.

Our wetting agents help reduce the surface tension of water, improving the distribution of agrochemicals on the plant. Adhesives increase the adhesion of agrochemicals to leaves and fruits, reducing wash-off.

Surfactants improve the wetting of leaves and fruits, enhancing the effectiveness of agrochemicals. Finally, pH correctors regulate the pH of the water used for agrochemical mixing, improving their effectiveness.

SUMMARY

BASE GOLD

BASE JET

BASE PIÙ INDICATOR

SOLWET

OLIO DI NEEM

OLIO DI KARANJA

AGRUMOL 80 WHITE

AGRUMOL 80 PLUS

	<h2 style="text-align: center;">Base Gold</h2> <p style="text-align: center;">Protective wetting agent based on Pinolene</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Pinolene 90% - Mixture of Terpenes and Alcohols</td> <td style="text-align: right;">40%</td> </tr> <tr> <td>Fatty acids and distillates</td> <td style="text-align: right;">30%</td> </tr> <tr> <td>Emulsifiers</td> <td style="text-align: right;">30%</td> </tr> </table>	Pinolene 90% - Mixture of Terpenes and Alcohols	40%	Fatty acids and distillates	30%	Emulsifiers	30%	<p>Base Gold is a concentrated emulsion of natural origin that acts as a coadjuvant in foliar treatments. Obtained from a special emulsion of pine resins (pinolene and resinoline), Base Gold covers surfaces with a thin and uniform natural waxy film, allowing it to:</p> <ul style="list-style-type: none"> • Distribute products applied simultaneously more evenly and retain them for longer, thus increasing their effectiveness. • Protect treated surfaces from damage caused by excessive moisture and persistent rain.
Pinolene 90% - Mixture of Terpenes and Alcohols	40%							
Fatty acids and distillates	30%							
Emulsifiers	30%							
	<h2 style="text-align: center;">Base Jet</h2> <p style="text-align: center;">Adhesive wetting agent waxy non-foaming</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Mixture of Alcohols, Terpenes and Fatty Acids</td> <td style="text-align: right;">2%</td> </tr> </table>	Mixture of Alcohols, Terpenes and Fatty Acids	2%	<p>Base Jet è un formulato a base di resine di pino e alcoli grassi ideale per aumentare il contatto fra le sostanze da trattare o irrorare la superficie interessata.</p> <p>Permette una più omogenea copertura e una maggiore persistenza della miscela. Evita il formarsi di schiuma e favorisce la miscibilità dei prodotti.</p> <p>Base Jet è inoltre dotato di una potente azione antilavante.</p>				
Mixture of Alcohols, Terpenes and Fatty Acids	2%							
	<h2 style="text-align: center;">Base + Indicator</h2> <p style="text-align: center;">Fertilizer Solution NP 4 - 20</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Total (N) Nitrogen</td> <td style="text-align: right;">4%</td> </tr> <tr> <td>Ureic (N) Nitrogen</td> <td style="text-align: right;">4%</td> </tr> <tr> <td>Phosphoric anhydride (P₂O₅) soluble in water</td> <td style="text-align: right;">20%</td> </tr> </table>	Total (N) Nitrogen	4%	Ureic (N) Nitrogen	4%	Phosphoric anhydride (P ₂ O ₅) soluble in water	20%	<p>Base + Indicator is a high-phosphorus foliar fertilizer with strong acidifying activity.</p> <p>Due to these characteristics, it is recommended as a Nitrogen and Phosphorus supplement during the plant's productive phases and as a pH corrector in the case of the use of hard water in foliar treatments. Base + Indicator has high wetting power, improves the miscibility of emulsifiable products with wettable powder ones, prevents foam formation, allows for more uniform coverage, and greater persistence of the mixture.</p>
Total (N) Nitrogen	4%							
Ureic (N) Nitrogen	4%							
Phosphoric anhydride (P ₂ O ₅) soluble in water	20%							
	<h2 style="text-align: center;">Solwet</h2> <p style="text-align: center;">Organic humectant with surfactant action</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Organic surfactants</td> <td></td> </tr> <tr> <td>Amino acids</td> <td></td> </tr> </table>	Organic surfactants		Amino acids		<p>Solwet is an organic wetting agent composed of surfactants, characterized by: a hydrophilic portion that binds water molecules and a hydrophobic portion that binds to the soil.</p> <p>These characteristics make it an extremely effective product, capable of "capturing" and retaining water in the soil for a certain period.</p> <p>Solwet is ideal for all types of soil and substrates, especially those with poor drainage capacity, sandy or hydrophobic, ensuring a more uniform water distribution.</p>		
Organic surfactants								
Amino acids								

Neem Oil

Neem Oil is a crucial natural product in organic and integrated agriculture, as it exerts both powerful phyto-repellent and fungistatic actions. Neem oil, similar to other oils used in agriculture, can control the proliferation of mites, whiteflies, aphids, and other soft-bodied insects through suffocation. For these reasons, over the centuries, many insects have learned to avoid areas and vegetation treated with this product, making Neem oil a potent insect repellent and deterrent for their feeding and oviposition. degli insetti e deterrente per la loro nutrizione e ovideposizione.

Deterrent and inhibitor for the growth of insects Fungistatic action	
Oleic Monounsaturated C18:1	25 - 54%
Saturated palmitic C16	16 - 33%
Saturated stearic C18	9 - 24%
Polyunsaturated linoleic C18:2	6 - 16%

Karanja Oil

When a parasite feeds on the leaf or sap of a plant treated with **Karanja Oil** the substances contained within it, such as Karanjin, generate an anti-peristaltic wave in the insect's alimentary canal, causing a sensation of vomiting.

The pathogen's swallowing ability is blocked, and due to this sensation, the insect no longer feeds on the treated surface. Furthermore, due to these substances, the females are unable to complete the oviposition process, resulting in no further damage to the vegetation.

Deterrent and inhibitor for the growth of insects Fungistatic action	
Oleic Monounsaturated C18:1	44,5 - 71,3%
Polyunsaturated linoleic C18:2	10,8 - 18,3%
Monounsaturated eicosenoic C20:1	9,5 - 12,4%
Saturated palmitic C16	3,7 - 7,9%

Agrumol 80 White

Agrumol 80 White is a product based on pure and refined sunflower oil, designed and formulated exclusively for use in agriculture.

As an insecticide, Agrumol suffocates insects on contact by interrupting respiration and the function or structure of the cell membrane.

As a fungicide, its action is mostly fungistatic, blocking the growth of fungi rather than suppressing the pathogens. Agrumol can therefore suffocate fungal growth and reduce spore germination on treated surfaces.

Sunflower oil in dispersion	
Sunflower oil dispersion	
Vegetable oils (corn, sunflower)	95%
Naturally derived emulsifiers	5%

Agrumol 80 Plus

Agrumol 80 Plus is a product based on pure and refined sunflower oil, designed and formulated for use exclusively in agriculture.

Unlike synthetic paraffin oils, which are very harmful to the environment, Agrumol comes from renewable sources and has a strong natural action against insects and fungi that damage crops. Agrumol 80 Plus acts as a powerful and natural dehydrator, also blocking the respiratory tract and cell membranes of pests, without the use of chemicals or synthetic substances.

Sunflower Oil dispersed with citrus terpenes	
Sunflower oil dispersion	
Vegetable oils (corn, sunflower)	95%
Citrus terpenes	5%

Sulphur based

New

INNOVATIVE PRODUCTS TO MAXIMIZE
YIELD AND QUALITY OF CROP



POLISOL KS 100

PROSOL



Liquid fertilizer based on Sulphur and Potassium

Liquid fertilizer based on Sulphur and Propolis

COMPOSITION

- Potassium Oxide (K_2O) watersoluble 25%
- Sulfur trioxide (SO_3) watersoluble 75%

CHARACTERISTICS

Polisol KS 100 is an innovative product by SKL that combines two fundamental elements for plant growth: Sulfur and Potassium. Polisol KS 100 promotes nutrition, health and plant defense through various complementary actions.

From a health point of view, it strengthens plant resistance to biotic and abiotic stress, following the "Crops Wellness" principle. On a protective level, it strengthens woody tissues, making plants more robust and resistant to parasites, and combats fungal diseases such as powdery mildew on vines, stone fruits, cereals and ornamentals.

DOSAGES FOR USE

Polisol KS 100 is used in winter foliar treatments (5-30 kg/ha), spring (2-15 kg/ha) and in fertigation (20-60 kg/ha). Consult the label for more detailed information.

COMPOSITION

- Elemental sulphur (S) 57% (p.p.) (800g/lt)
- Propolis 1%

CHARACTERISTICS

Prosol is an innovative product by SKL that combines two natural substances beneficial to plants: Sulfur and Propolis. Prosol improves the health, nutrition and defense of plants. It keeps plants strong and resistant to biotic and abiotic stress, stimulates the plant immune system thanks to the antioxidant and antimicrobial action of propolis, and combats many fungal diseases, including various forms of powdery mildew that affect vines, stone fruits, pome fruits, cereals, cucurbits and ornamentals. Finally, Prosol helps regulate the alkaline pH in the soil and in the circulating solution.

DOSAGES FOR USE

Prosol is used in winter-spring foliar treatments (2-7 kg/ha) and summer (1.5-3 kg/ha). Consult the label for more detailed information.



Scan the QR Code and
visit our website



Sulphur Line

Our exclusive “Sulfur Line” represents a set of innovative and high-quality agricultural products, designed to maximize crop yield and quality, while ensuring sustainable farming practices. With a commitment to excellence and sustainability, our Sulfur line provides a comprehensive solution for farmers seeking optimal results in terms of productivity and soil health.

Products in the line:

- Sulfur-enriched fertilizers: Our balanced and highly soluble fertilizers offer optimal nourishment for plants, enhancing protein synthesis and improving overall soil structure to promote healthy and vigorous crop growth.
- Sulfur-based soil correctors: Our high-quality soil correctors are designed to optimize soil pH, ensuring a favorable environment for nutrient absorption by crops and significantly improving the soil’s water retention capacity.
- Bio-sulfurs for organic farming: Our organic bio-sulfurs provide an eco-friendly solution for sustainable crop management, promoting soil and plant health without compromising the natural balance of the surrounding environment.

SUMMARY

OKYSOL B (Sulphur + Bentonite)

OKYSOL R (Sulphur + Copper)

OKYSOL Z (Sulphur + Zeolite)

BIOSOL 80 WDG (Colloidal Sulphur)

LENTISOL 90 (Sulphur + Bentonite lent.)

POLISOL NKS 90 (Nitrogen, Sulphur and Potassium)

POLISOL KS 100 (Sulphur and Potassium)

PROSOL (Sulphur + Propolis)

Sulphur Line





Okysol B

Sulphur and Bentonite
Fertilizer

Okysol B is designed to facilitate the dusty applications of Sulfur and Bentonite, simplifying the dosing and mixing operations of the two elements.

SKL suggests a package contains the proper ratio of micronized elemental sulfur and bentonite to achieve optimal results and minimize the risks of burns.

It also serves as a viable alternative to the use of chemical substances in controlling major agricultural pathologies, making it recommended even in biological and biodynamic defense protocols.

Elementar Sulphur (S)	50%
Bentonite	50%



Okysol R

Corrective
Sulfur for agricultural use
with addition of Copper

Okysol R is designed to facilitate the dusty applications of Sulfur and Bentonite, simplifying the dosing and mixing operations of the two elements.

SKL suggests a package contains the proper ratio of micronized elemental sulfur and bentonite to achieve optimal results and minimize the risks of burns.

It also serves as a viable alternative to the use of chemical substances in controlling major agricultural pathologies, making it recommended even in biological and biodynamic defense protocols.

Elementar Sulphur (S)	50%
Total (Cu) Copper	2.3%

Raw materials: Elemental sulfur, Copper oxychloride



Okysol Z

Sulfur and Zeolite 2 µm
based fertilizer

Okysol Z is an SKL product designed to facilitate the dusty applications of Sulfur and Zeolite, simplifying the dosing and mixing operations of the two elements.

The SKL-proposed package contains the proper ratio of micronized elemental sulfur and Zeolite to achieve optimal results and minimize the risks of burns.

Okysol Z also serves as a viable alternative to the use of chemical substances in controlling major agricultural pathologies, making it recommended even in biological and biodynamic defense protocols.

Elementar Sulphur (S)	50%
Zeolite 2µm	50%



Biosol 80 WDG

Sulfur
based Fertilizer

Sulfur deficiency manifests through symptoms such as chlorosis, stunting, delayed flowering, and reduced branching. These symptoms lead to decreased yield and crop quality.

Sulfur deficiency is more common in sandy, acidic, organic-matter-poor soils with high rainfall or irrigation. Sulfur is involved in various physiological and biochemical processes in plants. For instance, it is essential for the synthesis of cysteine and methionine, two amino acids crucial for the production of many proteins.

Elementar Sulphur (S)	80%
Coformulants q.b. to	100 g



Lentisol 90

Corrective
Lentilized Sulfur and Bentonite

Elementar Sulphur (S)	90%
Bentonite	10%
Granule Size	2 mm x 4 mm

Lentisol 90 is a product based on micronized and pelletized Sulfur and Bentonite, easy and convenient to distribute, readily oxidizable once applied to the soil. Trials have shown that sulfur increases the yield and quality of wheat and forage.

Sulfur also has a positive interaction with nitrogen, enhancing nitrogen utilization efficiency and reducing the risk of environmental losses.

Without sulfur, plants cannot grow and develop optimally.



Polisol NKS 90

Liquid fertilizer
based on Nitrogen, Sulfur and Potassium

Ureic nitrogen (N)	10%
Sulfur trioxide (SO ₃)	60%
Potassium Oxide (K ₂ O)	20%

Polisol NKS 90 is an innovative SKL product, which combines two fundamental elements for plants: Sulfur and Potassium. Sulfur is a mesoelement that participates in the synthesis of proteins and vitamins in plants. Potassium is a nutritional element that has several important functions for plants. Polisol NKS 90 strengthens the woody tissues of plants, making them more robust and resistant to parasite attacks. Polisol NKS 90 stimulates the immune system of plants, thanks to the strengthening action of Potassium and Sulfur, preventing and combating fungal diseases of plants.



Polisol KS 100

Liquid Fertilizer
Potassium and Sulphur based

Sulfur trioxide (SO ₃)	70%
Potassium Oxide (K ₂ O)	20%

Polisol KS 100 is an innovative SKL product, which combines two fundamental elements for plants: Sulfur and Potassium. Sulfur is a mesoelement that participates in the synthesis of proteins and vitamins in plants. Potassium is a nutritional element that has several important functions for plants. Polisol KS 100 strengthens the woody tissues of plants, making them more robust and resistant to parasite attacks. Polisol KS 100 also stimulates the immune system of plants, thanks to the strengthening action of Potassium and Sulphur, preventing and combating fungal diseases of plants.



Prosol

Liquid Fertilizer
Propolis and Sulphur based

Elementar Sulphur (S)	57 % (p.p.) (800g/lit)
Propolis	1%

Prosol is an innovative product resulting from SKL research, which combines two natural and beneficial substances for plants: Sulfur and Propolis. Sulfur is an essential mesoelement for the synthesis of proteins and vitamins in plants, while propolis is a bee product that has antibacterial, antiviral and antifungal properties.

Prosol enhances plant health, nutrition and defense. Prosol has various benefits for plants, including: Healthy, Protective, Nutritive, Regulatory.

Organik line

New

ORGANIC FORMULATIONS OF
NATURAL ORIGIN ALLOWED
IN ORGANIC FARMING



PROTEIN TOP



Highly soluble alfalfa protein hydrolysate,
rich in free L-amino acids

COMPOSITION

- Organic Nitrogen (N) 7%
- Biological Carbon (C) 21%
- Total Amino Acids 30%
- Free Amino Acids 27%

CHARACTERISTICS

Protein Top is a product with a specific action, obtained from enzymatic fermentation of vegetal origin, completely water-soluble and rich in free L-amino acids, rapidly assimilated by the plant.

Free L-amino acids represent the most biologically active form in plants, offering numerous benefits, such as the stimulation of photosynthesis, the formation of chelates with nutrients, structural strengthening through lignin and the function of metabolic precursors for essential phytohormones.

DOSAGES FOR USE

Protein Top is used on all crops by foliar application 250-350gr/hl, in fertigation at a dose of 6-15 kg/ha and as a carrier at a dose of 1-2 kg/ha. Consult the label for more detailed information.

ORGANIK 500



Mixture of organic nitrogen fertilizers
in pellet formulation

COMPOSITION

- Organic Nitrogen (N) 5%
- Organic Matter 27%
- Organic Carbon (C) 16%
- Water-soluble Iron (Fe) 0.5%

CHARACTERISTICS

Organik 500 is a pelleted fertilizer of completely organic origin, obtained from the refined bio-digestate resulting from the fermentation of biogas, without the addition of chemicals.

Produced through the action of digesting bacteria, it has a dark appearance, smooth surface and a characteristic organic scent. Its exclusive, slow-release formulation is rich in organic nitrogen, organic substances, amino acids and humic acids, ensuring rapid root absorption.

DOSAGES FOR USE

Organik 500 is used on all crops by radical application, at an average dose of 1000-2000 kg/ha. Consult the label for more detailed information.



Scan the QR Code and
visit our website



Organik Fertilizer Line

The fertilizers of the Organik line are formulated exclusively with natural organic ingredients permitted in Organic Farming.

The raw materials are indeed composed of natural products mainly derived from:

- vegetable by-products (dried molasses and borland, dehydrated vegetable protein ferments, vegetable amino acids, seaweed, peat, etc.);
- animal by-products (dried blood, meat or bone meal, fish meal, roasted leather, horn, hydrolyzed feathers, dehydrated animal amino acids, etc.);
- bird guano, pollen, manures;
- dry yeasts, humic acids, various organic fractions, etc.;
- Products from mining extraction, such as: Kieserite, Kainite, soft natural phosphate.

SUMMARY

RADICAL

BIOLIVO PLUS

FULVINAL COMBI

HUMINAL COMBI

PROTEIN SUPER 11 N

PROTEIN GOLD 8,5 N

PROTEIN SILVER 6,5 N

PROTEIN TOP

HEMOS 1400

BIOBLEND

BIOPHOS P28

ORGANEEM 450

ORGANIK 500

ORGANIK 660

ORGANIK 575

ORGANIK 700

ORGANIK 805

ORGANIK 1050

ORGANIK 1010

ORGANIK STAL

ORGANIK NP 17-25

ORGANIK NP 15-20

ORGANIK UMIC 45

ALFAPLUS



Radi-Cal

Calcium Complex
Ammonium lignosulphonate

Calcium oxide (CaO)	7,2%
Complexed Calcium oxide (CaO)	7,2%

Chelating agent: ammonium lignosulphonate

Radi-Cal is a high-calcium liquid fertilizer, complexed with ammonium lignosulfonates derived from the cellulose extraction process of wood. Unlike other chelating agents, lignosulfonates do not disrupt the structure of plant cell walls during absorption.

Radi-Cal is not affected by the chemical characteristics of the soil water, and its stability is optimal at both acidic and alkaline pH levels. The product is effective in the treatment and prevention of many physiological disorders caused by calcium deficiency.



Biolivo Plus

Fluid algae extract
containing dark algae

Organic (N) Nitrogen	2%
Organic (C) Carbon biological origin	11%

Organic matter with nominal molecular weight < 50 kDa minimum 30%

Biolivo Plus is a fluid organic nitrogen fertilizer with added seaweed for nutritional and stimulating action. Thanks to its strong stimulating capacity, it promotes increased growth and enhanced absorption potential of macro and micro-elements. Furthermore, it balances the plant's hormonal system and ensures rapid growth and improved root and leaf development.

Biolivo Plus stimulates growth by promoting the synthesis and reduction of nitrates in the leaves.



Fulvinal combi

Product with specific action
based on Fulvic Acids

Organic Matter	45 - 48% w/w
Fulvic Acids	35 - 40% w/w
Dry Matter	67 - 472% w/w
Total (N) Nitrogen	1,5 - 2,5% w/w
Organic (N) Nitrogen	1,5 - 2,5% w/w
Potassium oxide (K ₂ O)	3,5 - 4% w/w

Fulvinal Combi is an excellent carrier for foliar fertilization; when applied to the leaves, it also increases chlorophyll production, thereby enhancing oxygen absorption.

Fulvinal Combi acts as a soil amendment and strongly stimulates soil microbial activity. Fulvinal Combi is a high-quality biostimulant and also an NPK coater, capable of chelating the main nutrients (N, P, K, Mg, Ca, etc.) it is associated with. Moreover, it is compatible with a wide variety of natural extracts and microelements.



Huminal Combi

Product with specific action
Humic extracts from Leonardite

S.S. on wet basis	11%
S.S. on dry matter	62,5%
S.S. humified organic matter in % of organic substance	62,5%
Organic Nitrogen on dry matter	0,6%

Huminal combi when used through the root system, improves the physicochemical characteristics of cultivated soil, enhances the development of the root system of the crops, and increases and improves the utilization of nutrients present in the soil (chelating power).

When used through the leaves:

- it complexifies and conveys the active and nutrient principles with which it is associated;
- stimulates metabolic processes;
- improves resistance to adversities.



Protein Super 11 N

Organic fertilizer based on
Hydrolyzed animal epithelium

Organic (N) Nitrogen	11%
Soluble Organic (N) Nitrogen	11%
Organic (C) Carbon biological origin	40%

Raw materials: hydrolysed proteins

Protein Super 11 N is a soluble powdered organic nitrogen fertilizer, where the organic component consists of peptones, peptides, and amino acids derived from the hydrolysis of protein substances of animal origin. The high concentration of these valuable amino acids ensures rapid and effective absorption, both foliarly and radicularly, promoting and intensifying all biochemical and enzymatic processes. In modern fertilization, regular use of Protein Super 11 N enables uniform vegetative development and an improvement in the quality and quantity of agricultural yields.



Protein Gold 8,5 N

Hydrolyzed animal epithelium

Organic (N) Nitrogen	8,5%
Total (N) Nitrogen	8,5%
Organic (C) Carbon biological origin	29%

Protein Gold is an organic fertilizer consisting of an enzymatically hydrolyzed protein matrix of animal origin, rich in low and medium molecular weight amino acids, peptides, and peptones. The product is particularly active, both foliar and through the roots, in all phenological phases of the crops, due to its remarkable nutrient and biostimulant action. Furthermore, its conveying properties suggest combining it with other NPK nutrients and trace elements, thereby enhancing their absorption and utilization, thereby reducing application doses and costs.



Protein Silver 6,5 N

Fluid flesh
in suspension

Organic (N) Nitrogen	6,5%
Total (N) Nitrogen	6,5%
Organic (C) Carbon biological origin	23,5%

Protein Silver is an organic fertilizer consisting of an enzymatically hydrolyzed protein matrix of animal origin, rich in low and medium molecular weight amino acids, peptides, and peptones. The product is particularly active, both foliar and through the roots, in all phenological phases of the crops, due to its remarkable nutrient and biostimulant action. Furthermore, its conveying properties suggest combining it with other NPK nutrients and trace elements, enhancing their absorption and utilization, thereby reducing application doses and costs.



Protein Top

Protein hydrolyzate of
Alfalfa plant

Organic (N) Nitrogen	7%
Organic (C) Carbon biological origin	21%
Total amino acids	30%
Free amino acids	27%

Protein Top is a specifically targeted product obtained from enzymatic fermentation of solely plant-based sources, completely water-soluble, with a high and balanced content of free L-amino acids, quickly assimilated and utilized by the plant for the production of proteins, enzymes, phytohormones, sugars, etc. Regular application of Protein Top allows for uniform vegetative development and an improvement in the quality and quantity of agricultural products, as well as their shelf life.



Hemos 1400

Nitrogen based fertilizer
Dried Blood - Microprilled

Organic (N) Nitrogen	14%
Soluble Organic (N) Nitrogen	14%
Organic (C) Carbon	44%
Raw materials: 100% Dry Blood	

Hemos 1400 is a Microgranular Nitrogenous Organic fertilizer obtained from the processing of bovine blood for the food industry, in compliance with the legislative provisions on food production (HACCP).

Due to the low-temperature production process, the hemoglobin proteins present in Hemos 1400 maintain their native structure unchanged, preserving their specific biological activity. Hemos 1400 is the most effective organic fertilizer for plant nutrition, with a very high yield (over 90%).



Bioblend

Mixed composted soil improver (ACM) in powder form

Umidità (%)	17 - 25
pH (unità)	7,5 - 8,5
Organic Carbon (C) (% s.s.)	22 - 26
Humic and Fulvic Carbon	9 - 10
Organic Nitrogen (N) (% s.s.)	1,8 - 2,2
Rate (C/N)	12 - 13

Bioblend is a Mixed Composted Amendment (MCA), obtained through a controlled transformation and stabilization process of renewable organic matrices, predominantly of plant origin. These matrices are processed in accordance with hygiene and safety standards and in compliance with national legislation on composting.

The final product is well-balanced in its composition, rich in humic substances, variably endowed with nutrients, hygienically safe, and free from viable seeds and weeds, suitable for use in Organic Agriculture.



Biophos P28

Soft natural phosphate

Phosphoric dioxide (P ₂ O ₅) tot	28%
Phosphoric dioxide (P ₂ O ₅) sol	15%
Calcium oxide (CaO)	38%
Silicon oxide (SiO ₂)	10%
Magnesium oxide (MgO)	3%
Iron (Fe)	0,5%

Biophos P28 is an organic fertilizer approved for use in Organic Agriculture, based on soft natural superphosphate.

It is extracted from ancient fossilized marine deposits, mainly composed of corals, bird guano, fish remnants, algae, and other minerals, with a high content of Phosphorus, Calcium, Magnesium, Silicon, and trace elements, without the addition of any chemical substances. The product is finely ground to reach 90% of particles beyond 200 mesh, to increase the root contact surface and enhance the availability of its components.



OrgaNeem 450

**Organic Nitrogen fertilizer
Neem Origin**

Organic (N) Nitrogen	4,5%
Organic (C) Carbon	26%
Organic Matter	47%

OrgaNeem 450 is a formulation based solely on organic plant materials, obtained at the end of the cold-press extraction process of oil from the seeds of the Neem tree, without the addition of any chemicals. OrgaNeem 450 appears as a dark pellet fertilizer with a smooth and uniform surface, characterized by its pungent odor.

The components within it enhance cellular metabolism, resistance to root pests and pathogens, and positively influence the activity of beneficial microorganisms present in the rhizosphere.



Organik 500

**Mixture of fertilizers
Nitrogenous Organics**

Organic (N) Nitrogen	5%
Organic matter	27%
Organic (C) Carbon	16%
Dry matter	95%
Iron (Fe) soluble in water	0,5%
Umidity	5 - 6%

Organik 500 is a exclusively natural organic-based formulation, bio-digested and refined, produced from the residues of Biogas fermentation as the main raw material, without the addition of any chemical substances. The fermentation of the raw material is carried out by the digesting bacteria. Organik 500 appears as a dark Pellet fertilizer, with a smooth and uniform surface, characterized by its Organic scent. Its components enhance cellular metabolism and positively influence the activity of important enzymatic complexes.



Organik 660

Mixture of organic fertilizers
NP (Ca 18)

Organic (N) Nitrogen	6%
Phosphoric Dioxide (P ₂ O ₅) tot	6%
Calcium oxide (CaO)	18%
Total (C) Carbon	30%

Raw materials: dried manure and bone meal

Organik 660 is a formulated, exclusively natural organic product. The raw materials consist of bone meal and dried manure. One-third of the nitrogen is derived from dried manure, providing a relatively rapid effect, while two-thirds come from animal protein, offering a more prolonged release. The phosphorus is sourced from bones, ensuring it is free of any potentially contaminating metals, such as cadmium, often found in minerals. The characteristics of Superblend 6-6-0 make it one of the most agronomically efficient NP fertilizers, in line with the latest techniques.



Organik 575

Organik Fertilizer
NPK 5-7-5 (Ca 14)

Total (N) Nitrogen	5%
Organic (N) Nitrogen	5%
Phosphoric Dioxide (P ₂ O ₅)	7%
Potassium oxide (K ₂ O)	5%
Calcium Oxide (CaO)	14%
Organic matter (S.O.)	14%

Organik 5-7-5 is a formulation based solely on natural organic materials. The raw materials, fermented and cold-humidified, consist of meat meal, organic cattle manure, and potassium sulfate extracted from deposits of naturally occurring raw salts.

The characteristics of Organik 5-7-5 make it one of the most agronomically efficient NPK fertilizers, in line with modern theories aimed at environmentally friendly agriculture that ensures profitable production without excesses or deficiencies.



Organik 700

Organic Nitrogen Fertilizer

Total (N) Nitrogen	7,2%
Organic (N) Nitrogen	7,2%
Magnesium oxide (MgO)	0,5%
Organic matter	45%
Amino acids	22%
Humic Acids	15%

Organik 700 is a bio-fermented and refined fertilizer, produced by the bacterial fermentation of renewable organic matrices.

Organik 700 is a fertilizer with high protein content: soya, corn, wheat, without the addition of chemicals.

The final product is well balanced in its composition, rich in free amino acids and humic acids ≥ 37%, nitrogen ≥ 7.2%, dry organic matter ≥ 45%, magnesium oxide 0.5% and traces of microelements, an adequate combination for rapid absorption by the roots.



Organik 805

Fertilizer mixture
Organic NP (Ca 12)

Organic (N) Nitrogen	8%
Potassium oxide (K ₂ O)	5%

Organik 805 is an exclusively organic-based formulation of plant origin, obtained at the end of the cold extraction process of oil from the seeds of black mustard (botanical name *Brassica nigra*), a plant of the Brassicaceae family, without the addition of chemical substances. The components present in it enhance cellular metabolism, resistance to parasites and root pathogens and positively influence the activity of beneficial microorganisms present in the rhizosphere. Ideal as a biological nematocide, it is also a natural repellent for many parasites.



Organik 1050

Fertilizer mixture
Organic NP (Ca 12)

Organic (N) Nitrogen	10%
Phosphoric Dioxide (P ₂ O ₅) tot	5%
Calcium Oxide (CaO)	12%
Total (C) Carbon	37%
Organic matter	63%

Organik 1050 is a naturally sourced formulation based solely on organic materials.

The raw materials consist of dried blood, meat meal, and poultry manure. This combination allows for highly efficient agronomic performance, rarely found in other commercial fertilizers.

Thanks to this particular formulation, nitrogen is made available gradually in three stages: immediate effect from the dried blood, medium release from the meat meal, and extended release from the poultry manure.



Organik 1010

Fertilizer mixture
Organic NP (Ca 12)

Organic (N) Nitrogen	10%
Phosphoric Dioxide (P ₂ O ₅) tot	10%
Calcium Oxide (CaO)	12%
Total (C) Carbon	37%
Organic matter	63%

Organik 1010 is a naturally sourced formulation based solely on organic materials.

The raw materials consist of dried blood, meat meal, and poultry manure. This combination allows for highly efficient agronomic performance, rarely found in other commercial fertilizers.

Thanks to this particular formulation, nitrogen is made available gradually in three stages: immediate effect from the dried blood, medium release from the meat meal, and extended release from the poultry manure.



Organik Stal

Mixture of
NP Organic Fertilizers

Organic (N) Nitrogen	3,5%
Phosphoric Dioxide (P ₂ O ₅)	4%
Organic (C) Carbon	29%
Organic Matter	50%

Organik Stal is a formulation based solely on natural organic materials. The raw materials consist of various manures, compost, and poultry manure.

This combination allows for highly efficient agronomic performance, rarely found in other commercial fertilizers. By biologically activating the microflora and microfauna of the soil, Organik Stal enriches and regenerates deficient soils with organic matter. It provides crops with significant amounts of organic nitrogen, both for immediate impact and for extended release.



Organik NP 17-25

**Organo-Mineral fertilizer
NP 17-25**

Total (N) Nitrogen	17%
Organic (N) Nitrogen	2%
Ammonia (N) Nitrogen	15%
Phosphoric Dioxide (P ₂ O ₅)	25%
Iron (Fe) soluble in water	0,02%
Organic Carbon (C)	7,5%

Organik NP 17-25 is a formulated, exclusively natural organic product. The raw materials consist of bone meal and dried manure. One-third of the nitrogen is derived from dried manure, providing a relatively rapid effect, while two-thirds come from animal protein, offering a more prolonged release.

The phosphorus is sourced from bones, ensuring it is free of any potentially contaminating metals, such as cadmium, often found in minerals. The characteristics of Superblend 17-25 make it one of the most agronomically efficient NP fertilizers.



Organik NP 15-20

**Organo-Mineral Fertilizer
NP 15-20**

Total (N) Nitrogen	15%
Organic (N) Nitrogen	2%
Ammonia (N) Nitrogen	13%
Phosphoric Dioxide (P ₂ O ₅)	20%
Iron (Fe) soluble in water	0,03%
Organic Carbon (C)	7,5%

Organik NP 15-20 is a formulated, exclusively natural organic product. The raw materials consist of bone meal and dried manure. One-third of the nitrogen is derived from dried manure, providing a relatively rapid effect, while two-thirds come from animal protein, offering a more prolonged release.

The phosphorus is sourced from bones, ensuring it is free of any potentially contaminating metals, such as cadmium, often found in minerals. The characteristics of Superblend 15-20 make it one of the most agronomically efficient NP fertilizers.



Organik Umic 45

Product with specific action
Humic extracts from Leonardite

Organic Matter (S.O.)	65%
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Humic acids are natural substances that form as a result of the microbial biodegradation of organic matter (vegetable or animal). They are commonly found in soil and water and are also present in humus (the natural fertilizer that forms in the soil as a result of the biodegradation of leaves, logs, and roots in the presence of a certain degree of moisture).

Organik Umic 45 is an organic compound based on Humic Acids, containing 45% of its weight in granular form.



Alfaplus

Nitrogenous Organo-Mineral Fertilizer
NPK 12-0-0

Total (N) Nitrogen	12%
Organic (N) Nitrogen	7%
Ammonia (N) Nitrogen	5%
Organic (C) Carbon	23%

Alfaplus is a bio-fermented and refined fertilizer, produced through the bacterial fermentation of renewable organic matrices, with a high protein content such as soy, corn, and wheat, without the addition of chemical substances.

The final product is well-balanced in its composition, rich in free amino acids and humic acids ≥ 20%, nitrogen ≥ 16%, dry organic matter ≥ 16%, iron sulfide, and traces of microelements, a suitable combination for rapid absorption by the roots. Alfaplus appears as a dark granular fertilizer with a smooth and uniform surface.

Huminal Line

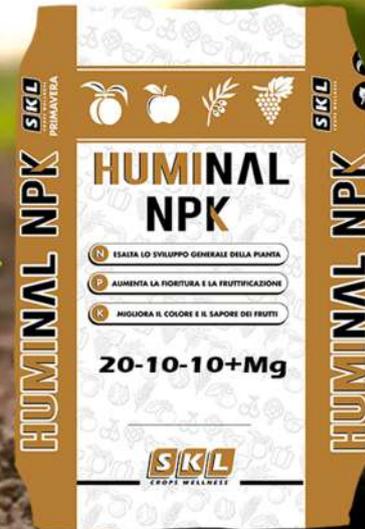
New

RANGE OF ORGANO-MINERAL FERTILIZERS
DESIGNED TO IMPROVE
SOIL FERTILITY



HUMINAL 25-15+8C

HUMINAL 20-10-10+Mg



Organo-mineral fertilizer NP 25-15 + 8C

Organo-mineral fertilizer NPK 20-10-10 + Mg



COMPOSITION

- Total Nitrogen (N) 25%
- Organic Nitrogen (N) 2.5%
- Ammoniacal Nitrogen (N) 7.5%
- Ureic Nitrogen (N) 15%
- Total Phosphorus Pentax (P₂O₅) 15%
- Organic Carbon 8%



CHARACTERISTICS

Huminal NPK fertilizers are an advanced solution for modern agriculture, combining mineral nutrients with organic matter enriched with humic and fulvic acids. This line ensures complete and balanced nutrition for crops, improving soil fertility and facilitating nutrient absorption. Easy to use both in solution and in combination with traditional granular NPK fertilizers, Huminal NPK is ideal for many crops, helping to increase quality and yield thanks to the action of organic microelements.



DOSAGES FOR USE

Huminal 25-15 + 8C is used from 400 to 700 kg/ha distributed in open field or localized. Consult the label for more detailed information.



COMPOSITION

- Total Nitrogen (N) 20%
- Organic Nitrogen (N) 6%
- Ammoniacal Nitrogen (N) 15%
- Ureic Nitrogen (N) 4%
- Total Phosphorus Anhydride (P₂O₅) 10%
- Potassium Oxide (K₂O)



CHARACTERISTICS

The Huminal NPK line offers an innovative approach to plant nutrition, combining mineral nutrients with organic substances rich in humic and fulvic acids. This mix promotes optimal soil fertility and improved nutrient absorption, ensuring balanced nutrition for crops. Designed to be used both in solution and together with classic winter granular NPK fertilizers, Huminal NPK products support increased yield and crop quality thanks to organic microelements.



DOSAGES FOR USE

Huminal 20-10-10 + Mg use from 400 to 700 kg/ha distributed in open field or localized. Consult the label for more detailed information.



Scan the QR Code and
visit our website



Organo-Mineral Fertilizers

Huminal

The Huminal Line is a range of organomineral fertilizers designed to improve soil fertility and provide a balanced nutritional supply to crops. These fertilizers combine high-quality organic matter with essential mineral elements, ensuring progressive and long-lasting plant nutrition.

Benefits of the Huminal Line:

- Improves soil fertility: enriches the soil with humified organic matter, stimulating microbial activity.
- Balanced and prolonged nutrition: the gradual release of nutrients reduces leaching losses and increases absorption efficiency.
- Enhances root development: promotes balanced root growth, improving resistance to water and nutrient stress.
- Increases crop quality and yield: optimizes plant metabolism, enhancing production and product quality.

The Huminal products are suitable for vegetables, orchards, vineyards, cereals, and industrial crops, thanks to their versatile application.

SOMMARIO

HUMINAL 25-15 + 8C

HUMINAL 20-10-10 + Mg

HUMINAL 18-8-8 + 8C

HUMINAL 17-25 + Fe

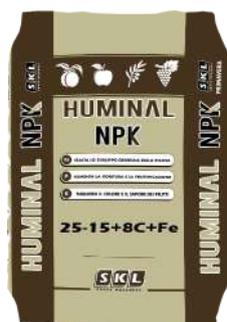
HUMINAL 14-10-10 + 10C

HUMINAL 12-12-17 + 8C + S

HUMINAL 8-10-15 (S) + 8C

HUMINAL 5-12-18 + 8C

Linea Huminal



Huminal 25-15

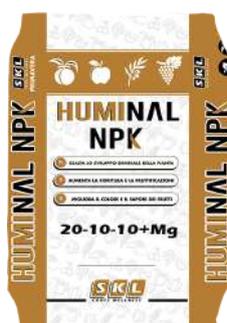
Organo Mineral Fertilizers
NP 25-15 + 8C

Nitrogen (N) Total	25%
Nitrogen (N) Organic	2,5%
Nitrogen (N) Ammoniacal	7,5%
Nitrogen (N) Ureic	15%
Phosphorus anhydride (P ₂ O ₅) total	15%
Organic Carbon	8%

Huminal 25-15 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants.

Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress.

The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.



Huminal 20-10-10

Organo-Mineral Fertilizers
NPK 20-10-10 + Mg

Nitrogen (N) Total	20%
Nitrogen (N) Organic	6%
Nitrogen (N) Ammoniacal	15%
Nitrogen (N) Ureic	4%
Phosphorus anhydride (P ₂ O ₅) total	10%
Potassium oxide (K ₂ O) total	10%

Huminal 20-10-10 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants.

Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress. The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.



Huminal 18-8-8

Organo-Mineral Fertilizers
NPK 18-8-8

Nitrogen (N) Total	18%
Nitrogen (N) Organic	2,2%
Nitrogen (N) Ammoniacal	5,2%
Azoto (N) Ureico	10,6%
Phosphorus anhydride (P ₂ O ₅) total	8%
Organic Carbon	8%

Huminal 18-8-8 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants. Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress.

The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.



Huminal 17-25

Organo-Mineral Fertilizers
NP 17-25 + Fe

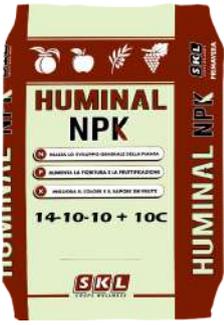
Nitrogen (N) Total	17%
Nitrogen (N) Organic	2%
Nitrogen (N) Ammoniacal	15%
Phosphorus anhydride (P ₂ O ₅) total	25%
Organic Carbon	7,5%
Iron (Fe) water soluble	0,02%

Huminal 17-25 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants.

Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress.

The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.

Linea Huminal

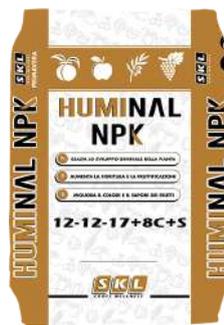


Huminal 14-10-10

Organo Mineral Fertilizers
NP 14-10-10 + 10C

Nitrogen (N) Total	14%
Nitrogen (N) Organic	3%
Nitrogen (N) Ammoniacal	8,6%
Nitrogen (N) Ureic	2,4%
Phosphorus anhydride (P ₂ O ₅) total	10%
Potassium oxide (K ₂ O) total	10%

Huminal 14-10-10 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants. Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress. The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.

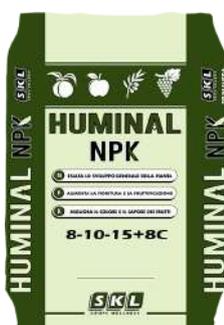


Huminal 12-12-17

Organo-Mineral Fertilizer
NP 12-12-17 + 8C + S

Nitrogen (N) Total	12%
Nitrogen (N) Nitric	4,8%
Nitrogen (N) Ammoniacal	7,2%
Phosphorus anhydride (P ₂ O ₅) total	12%
Potassium oxide (K ₂ O) total	17%
Total magnesium oxide (MgO)	2%
Total sulfur trioxide (SO ₃)	16%

Huminal 12-12-17 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants. Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress. The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.



Huminal 8-10-15

Organo-Mineral Fertilizer
NP 8-10-15 (S) +8C

Nitrogen (N) Total	8%
Nitrogen (N) Organic	2,3%
Nitrogen (N) Ammoniacal	5,7%
Phosphorus anhydride (P ₂ O ₅) total	10%
Potassium oxide (K ₂ O) total	15%
Total sulfur trioxide (SO ₃)	10%
Organic Carbon	8%

Huminal 8-10-15 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants. Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress. The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.



Huminal 5-12-18

Organo-Mineral Fertilizer
NP 5-12-18+8C

Nitrogen (N) Total	5%
Nitrogen (N) Organic	2%
Nitrogen (N) Ammoniacal	3%
Phosphorus anhydride (P ₂ O ₅) total	12%
Potassium oxide (K ₂ O) total	18%
Total sulfur trioxide (SO ₃)	10%
Organic Carbon	8%

Huminal 5-12-18 is an innovative organo-mineral fertilizer, formulated to improve soil fertility and optimize nutrient absorption by plants. Thanks to the balanced combination of organic matter and essential minerals, it stimulates soil microbial activity and promotes root development, increasing crop resistance to abiotic and biotic stress. The high content of humic and fulvic matter improves soil structure, water retention and cation exchange capacity, making nutrients more available. Ideal for all types of crops.

Superblend line

New

FERTILIZERS - MINERAL
DESIGNED FOR A COMPLETE
AND BALANCED CONTROL



SUPERBLEND 10-5-20

SUPERBLEND 0-20-30



Mineral fertilizer NPK 10-5-20

Mineral fertilizer PK 0-20-30

COMPOSITION

- Total Nitrogen (N) 10%
- Ureic Nitrogen (N) 3%
- Ammonia Nitrogen (N) 7%
- Phosphorus Anhydride (P₂O₅) 5%
- Potassium Oxide (K₂O) 20%

CHARACTERISTICS

Superblend 10-5-20 is a high-quality mineral fertilizer, formulated to provide complete, balanced and readily available nutrition for plants at every stage of their development.

Its composition, rich in essential macro and microelements, promotes rapid and direct absorption by the root system, effectively supporting vegetative growth, flowering and fruiting.

DOSAGES FOR USE

Superblend 10-5-20 is used on average from 500 to 900 kg/ha distributed in open field or localized. Consult the label for more detailed information.

COMPOSITION

- Phosphorus Pentax (P₂O₅) 20%
- Potassium Oxide (K₂O) 30%

CHARACTERISTICS

Superblend 0-20-30 is a mineral fertilizer with a high concentration of Phosphorus and Potassium, formulated to meet the nutritional needs of crops in the phases in which these two elements are crucial.

The absence of Nitrogen makes it ideal for targeted interventions in which it is necessary to stimulate flowering, fruit setting and ripening of the fruits, without excessively encouraging vegetative development.

Its balanced composition ensures immediate availability of nutrients, thanks to the purity of the raw materials and optimal solubility, which favor rapid absorption by the roots.

DOSAGES FOR USE

Superblend 0-20-30 is used on average from 500 to 900 kg/ha distributed in open field or localized. Consult the label for more detailed information.



Scan the QR Code and
visit our website



Mineral Fertilizers

Superblend

The Superblend Line offers a range of mineral fertilizers designed to ensure a complete and balanced nutritional supply for crops. Thanks to advanced formulations, these fertilizers provide essential macro and micronutrients in highly assimilable forms, promoting vigorous growth and optimal production.

Benefits of the Superblend Line:

- Immediate and balanced supply: rapid nutrient release to meet plant needs during critical growth stages.
- High solubility and efficiency: maximizes nutrient absorption while reducing leaching losses.
- Specific formulations for every need: products designed to suit different crops and soil-climatic conditions.
- Improves quality and yield: promotes uniform growth and increases agricultural productivity.
- Easy to use: practical formulations compatible with various application methods, including fertigation.

SUMMARY

SUPERBLEND 0-20-30

SUPERBLEND 12-12-12

SUPERBLEND 15-15-15

SUPERBLEND 5-15-15

SUPERBLEND 10-5-20

SUPERBLEND 12-6-6

SUPERBLEND 12-12-17

SUPERBLEND 20-10-10

Linea Superblend Primavera



Superblend 0-20-30

Mineral fertilizer
PK 20-30

Phosphorus Anhydride (P ₂ O ₅)	20%
Potassium Oxide (K ₂ O)	30%

Superblend 0-20-30 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.



Superblend 12-12-12

Mineral fertilizer
NPK 12-12-12

Total (N) Nitrogen	12%
Ammoniacal (N) Nitrogen	8%
Ureic (N) Nitrogen	4%
Phosphorus Anhydride (P ₂ O ₅)	12%
Potassium Oxide (K ₂ O)	12%

Superblend 12-12-12 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.



Superblend 15-15-15

Mineral fertilizer
NPK 15-15-15

Total (N) Nitrogen	15%
Ammoniacal (N) Nitrogen	6,5%
Ureic (N) Nitrogen	8,5%
Phosphorus Anhydride (P ₂ O ₅)	15%
Potassium Oxide (K ₂ O)	15%

Superblend 15-15-15 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.



Superblend 5-15-15

Mineral fertilizer
NPK 5-15-15

Total (N) Nitrogen	5%
Ammoniacal (N) Nitrogen	5%
Phosphorus Anhydride (P ₂ O ₅)	15%
Calcium (CaO)	3%
Sulphur (S)	8%

Superblend 5-15-15 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.

Linea Superblend Primavera



Superblend 10-5-20

Mineral fertilizer
NPK 10-5-20

Total (N) Nitrogen	10%
Ureic (N) Nitrogen	3%
Ammoniacal (N) Nitrogen	7%
Phosphorus Anhydride (P ₂ O ₅)	5%
Potassium Oxide (K ₂ O)	20%

Superblend 10-5-20 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.



Superblend 12-6-6

Mineral fertilizer
NPK 12-6-6

Total (N) Nitrogen	12%
Ureic (N) Nitrogen	9%
Ammoniacal (N) Nitrogen	3%
Phosphorus Anhydride (P ₂ O ₅)	6%
Potassium Oxide (K ₂ O)	6%

Superblend 12-6-6 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.



Superblend 12-12-17

Mineral fertilizer
NPK 12-12-17+Mg

Total (N) Nitrogen	12%
Phosphorus Anhydride (P ₂ O ₅)	12%
Potassium Oxide (K ₂ O)	17%
Magnesium Oxide (MgO)	2%
Boron (B)	0,02%
Zinc (Zn)	0,01%

Superblend 12-12-17 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.



Superblend 20-10-10

Mineral fertilizer
NPK 20-10-10

Total (N) Nitrogen	20%
Nitric (N) Nitrogen	9,5%
Ammoniacal (N) Nitrogen	10,5%
Phosphorus Anhydride (P ₂ O ₅)	10%
Potassium Oxide (K ₂ O)	10%
Magnesium Oxide (MgO)	0,02%
Zinc (Zn)	0,01%

Superblend 20-10-10 is a mineral fertilizer designed to ensure balanced and highly available nutrition for plants. Thanks to its optimized formulation, it provides essential macro and microelements in an immediately assimilable form, supporting vegetative growth, flowering and fruiting.

The purity of the raw materials and the balance between the nutritional elements ensure efficient absorption, reducing losses due to leaching and improving production yield.



Hydroblend Line

FLOW

HYDROFLOW % weight/volume	COMPOSITION (% weight/weight)					
	N N TOT	P ₂ O ₅	K ₂ O	MgO	SO ₃	CaO
20 - 30 - 0 fosfito	20%	30%	-	-	-	-
0 - 30 - 20 fosfito	-	30%	20%	-	-	-
10 - 10 - 10	10%	10%	10%	-	-	-
10 - 30 - 10 fosfito	10%	30%	10%	-	-	-
15 - 10 - 8	15%	10%	8%	-	-	-
15 - 6 - 6	15%	6%	6%	-	-	-
20 - 10 - 0	20%	10%	-	-	-	-
20 - 20 - 0 + 20 S	20%	20%	-	-	20%	-
NITROPHOS L	10%	30%	-	-	-	-
UREAPHOS	8%	20%	-	-	-	-
POLIPHOS 10-34	10%	34%	-	-	-	-
SOLFUREA	20%	-	-	-	25%	-
K.T.S.	-	-	25%	-	42%	-
A.K.T.S.	10%	-	5%	-	60%	-
A.T.S.	12%	-	-	-	65%	-
CALCIO FORTE	-	-	-	-	-	15%
MAXI AZOTO	30%	-	-	-	-	-
MAXI CA & MG	8%	-	-	4%	-	10%
MAXI CALCIO	8%	-	-	-	-	15%
MAXI FOSFORO 54	-	40%	-	-	-	-
MAXI FOSFORO 75	-	54%	-	-	-	-
MAXI FOSFORO 85	-	62%	-	-	-	-
ACIDO NITRICO 42	14,5%	-	-	-	-	-
MICROMIX N30	30%	-	-	-	-	-

GEL

HYDROGEL % weight/volume	COMPOSITION (% weight/weight)					
	N N TOT	P ₂ O ₅	K ₂ O	MgO	SO ₃	ME
15 - 15 - 40 FOLIAR	10,25%	10,25%	28%	-	-	-
20 - 40 - 20 FOLIAR	13,5%	25%	13,5%	-	-	-
25 - 25 - 25+ME	17%	17%	17%	-	-	-
26 - 26 - 26 SPECIAL	17,2%	17,2%	17,2%	-	-	-
27 - 27 - 27 FOLIAR	17,4%	17,4%	17,4%	-	-	-
32 - 15 - 10 SUPER	23,7%	11%	7,3%	-	-	-
40 - 15 - 10 FOLIAR	-	-	-	-	-	-

Available packaging: 3 kg, 5 kg, 7 kg, 12 kg, 25 kg, 30 kg, 1000 lt



Hydroblend Line

CRYSTAL

HYDROBLEND	COMPOSITION								pH	dS/m
	N				P ₂ O ₅	K ₂ O	MgO	SO ₃		
	N TOT	NH ₄ ⁺	NO ₃ ⁻	CH ₃ NO						
12 - 61 - 0 (MAP)	12%	12%	-	-	61%	-	-	-	5.4	7.6
21 - 53 - 0 (DAP)	21%	21%	-	-	53%	-	-	-	8.1	12.6
18 - 44 - 0 (UP)	18%	-	-	18%	44%	-	-	-	2.2	7.1
0 - 52 - 34 (MKP)	-	-	-	-	52%	34%	-	-	5.6	7.5
20 - 40 - 0	20%	-	-	20%	40%	-	-	-	2.4	6.5
20 - 30 - 0 + S	20%	6%	-	14%	30%	-	-	20%	2.5	9.0
30 - 30 - 0	30%	10%	7%	20%	30%	-	-	-	8.2	8.1
7 - 0 - 48 + S	7%	-	-	-	-	48%	-	20%	8.3	12.1
10 - 0 - 40 + S	10%	-	-	10%	-	40%	-	20%	8.4	10.3
12 - 24 - 24 + S	12%	7%	2,5%	5%	24%	24%	-	20%	7.1	11.6
8 - 24 - 24 + Mg	8%	5,5%	-	-	24%	24%	3%	20%	5.6	8.6
18 - 18 - 18 + ME	18%	5%	-	13%	18%	18%	-	-	6.1	7.4
20 - 20 - 20 + ME	20%	1,5%	-	18,5%	20%	20%	-	-	7.1	8.7
20 - 20 - 20 + S	20%	20%	-	-	20%	20%	-	40%	6.9	9.1
8 - 50 - 20	8%	4%	-	4%	50%	20%	-	20%	6.9	9.1
10 - 50 - 10	10%	10%	-	-	50%	10%	-	-	5.7	8.3
15 - 40 - 15	15%	7,5%	4,5%	3%	40%	15%	-	-	7.3	14.1
10 - 20 - 30	10%	5%	-	5%	20%	30%	-	-	8.1	12.0
15 - 30 - 20 + Mg	15%	-	-	15%	30%	20%	3%	-	5.7	5.5
17 - 25 - 25	17%	10%	7%	-	25%	25%	-	-	8.0	12.5
25 - 15 - 15 + Mg	25%	-	-	25%	15%	15%	1%	-	5.5	5.6
25 - 5 - 5	25%	13,5%	1,5%	10%	5%	5%	-	-	6.5	12.1
8 - 5 - 40	8%	1%	-	7%	5%	40%	-	-	6.6	10.5
12 - 20 - 30 + Me	12%	3,9%	8,1%	-	20%	30%	-	-	8.0	12.3
16 - 8 - 27	16%	5,5%	5%	5,5%	8%	27%	-	-	6.6	10.4
5 - 30 - 40	5%	-	5%	-	30%	40%	-	-	5.9	8.9

Biocontrol

Novità

SOLUZIONI AVANZATE E NATURALI PER LA
GESTIONE SOSTENIBILE E
BIOLOGICA DELLE COLTURE



ISONET T



Sexual confusion
for the Tomato Moth

COMPOSITION

- (E,Z)-3,8-tetradecadien-1-yl acetate

CHARACTERISTICS

Isonet T is a specific pheromone diffuser for the control of *Tuta absoluta* through sexual confusion. The product continuously releases the male pheromone into the environment, saturating the air and preventing males from locating females, thus blocking mating and interrupting the biological cycle of the phytophagous. This technique, residue-free and selective, is particularly effective in protected environments such as greenhouses, where it allows a significant reduction in parasitic pressure. The use of Isonet® T helps to contain the *Tuta absoluta* population in a sustainable, safe and compatible way with integrated or biological defense programs, reducing the need for insecticide interventions.

DOSAGES FOR USE

Isonet T is used on Tomato, Pepper and Eggplant in greenhouses at a dosage of 800-1000 diffusers/ha (80-100 diffusers/1,000 m²). Consult the label for more detailed information.

OKYSPOR BB



Mycorrhizal fungi inoculation
with *Beauveria bassiana*

COMPOSITION

- Organic matrix: simple plant amendment
- Mycorrhizae content 1%
- Rhizosphere bacteria and fungi content 30 x 10⁷

CHARACTERISTICS

Okyspor BB is a biological formulation based on mycorrhizae, enriched with fungi and bacteria of the rhizosphere, including *Trichoderma*, *Verticillium lecanii* and a significant presence of *Beauveria bassiana*, an endophytic fungus known for its entomopathogenic properties.

Thanks to this combination, **Okyspor BB** performs a dual function: it improves root health through the symbiotic activity of beneficial microorganisms and contributes to the natural containment of phytophagous parasites, exploiting the infesting action of *Beauveria* spores on insects.

DOSAGES FOR USE

Okyspor BB is used at a dose of 50-100 g/hl for foliar applications and at a dose of 5-10 kg/ha for soil applications. See the label for more detailed information.



Scan the QR Code and
visit our website



Biocontrol

The Biocontrol category offers advanced and natural solutions for the sustainable management of crops, based on the use of Microorganisms and eco-friendly control strategies. These tools allow to effectively combat fungal pathogens and parasites, reducing the use of chemical substances and protecting the balance of the agroecosystem.

The range includes useful microorganisms such as mycorrhizae, entomopathogenic fungi, mycoparasitic antagonist agents, PGPR (Plant Growth-Promoting Rhizobacteria) and nitrogen, phosphorus, potassium and sulfur solubilizing bacteria, selected to stimulate root development, increase the availability of nutrients and strengthen the natural defenses of the plant.

The offer is completed by physical and behavioral biocontrol solutions, such as sexual disruption systems and trap & kill traps, targeted tools for the selective reduction of harmful insect populations, in full respect of biodiversity.

Biocontrol according to SKL is a concrete choice for healthier, more efficient and environmentally friendly agriculture.

SOMMARIO

MICROORGANISMS AND MYCORRHIZAE

MATING DISRUPTION

Microorganisms and mycorrhizae

<p>Fungo antagonista micoparassitario</p> <p><i>Trichoderma spp</i></p> <p><i>T. harzianum, T. viride</i></p> <p><i>Trichoderma</i> are antagonists of root pathogens and act by taking away the space and nutrients necessary for their development. They are also considered mycoparasites because they secrete enzymes that degrade the cell walls of pathogenic fungi.</p> <p>The favorable effects of <i>Trichoderma</i> on plants are also evident with a better development of the root system resulting in healthier plants able to tolerate biotic and abiotic stress.</p> <p>Direct application to the soil.</p>	
<p>Entomopathogenic fungi</p> <p><i>Beauveria bassiana</i></p> <p><i>Beauveria bassiana</i> is an entomopathogenic fungus used in the biological control of numerous phytophagous insects. It acts as a biological contact insecticide, carrying out a direct pathogenic action on the target insects.</p> <p>The spores of the fungus (conidia), once applied to the crop, come into contact with the cuticle of the insect. In favorable environmental conditions (high relative humidity and temperatures between 20°C and 30°C), the spores germinate and develop a germ tube that actively penetrates the exoskeleton of the insect. This occurs both by mechanical action, thanks to the pressure exerted by the mycelium, and by means of the secretion of hydrolytic enzymes.</p>	
<p>Main features:</p> <ul style="list-style-type: none"> • Mycoparasitic antagonism against soil fungi • Competition for space and nutrients • Stimulation of the root system • Greater tolerance to biotic and abiotic stresses 	<p>Main features:</p> <ul style="list-style-type: none"> • Reduces the population of target insects • Does not induce resistance • Compatible with biological and integrated pest management programs • Leaves no residue on fruits and vegetables

Our proposals:



Okyspor TH
Trichoderma harzianum

Okyspor TV
Trichoderma viride

Okyspor BB
Beauveria bassiana

Okyspor TH is an organic product based on Mycorrhizae of the Glomus genus combined with fungi and bacteria of the rhizosphere including: *Trichoderma harzianum* mainly.

Okyspor TV is an organic product based on Mycorrhizae of the Glomus genus combined with fungi and bacteria of the rhizosphere including: *Trichoderma viride* mainly.

Okyspor BB is an organic product based on Mycorrhizae of the Glomus genus combined with fungi and bacteria of the rhizosphere including: *Beauveria bassiana* in prevalence.

Microorganisms and mycorrhizae

Entomopathogenic fungi

Metarhizium anisopliae

Entomopathogenic fungus with strong insecticidal activity. It acts by contact, exerting its pathogenic action on numerous phytophagous insects and mites. The spores of the fungus, once applied, adhere to the cuticle of the insect or mite, germinate and penetrate the external tissues, progressively spreading the fungus inside the host organism.

Death occurs following the combined action of several factors: the mechanical penetration of the mycelium, which causes the rupture of the external structures and the loss of water and nutrients, and the production of hydrolytic enzymes (such as proteases, chitinases and lipases), which degrade the components of the cuticle and facilitate the invasion of the fungus into the internal tissues.



Main characteristics:

- Non-toxic to humans, animals, or beneficial insects
- Selective against plant-eating insects, does not harm beneficial insects
- No withholding period: ideal close to harvest
- Useful for protecting the soil, roots, and above-ground parts of the plant.

Mycorrhizae

Glomus intraradices, *Rhizophagus irregularis*

Mycorrhizae are arbuscular fungi that create mutualistic symbiosis with plant roots and both benefit from this symbiosis. The colonization of roots by mycorrhizae induces the expression of plant defense genes. It stimulates root growth by improving water and nutrient uptake.

Functions:

- Increased nutrient and water uptake through increased root development
- Stimulation of plant defense mechanisms



Main characteristics:

- They colonize roots by forming internal structures (arbuscules, vesicles)
- They increase the functional root surface area
- They improve water and nutrient absorption
- They take better rooting after transplanting or after stress

Le nostre proposte:



Okyspor MET

Metarhizium anisopliae

Okyspor MET is an innovative biological formulation based on *Metarhizium anisopliae*, a mycorrhizal fungus belonging to the Clavicipitaceae family, known for its ability to establish a beneficial symbiosis with plant roots.



Okyspor MIX

Glomus intraradices, *Rhizophagus irregularis*

Okyspor MIX is an organic product based on mycorrhizal fungi belonging to the genera *Glomus intraradices* and *Rhizophagus irregularis*, known for their ability to establish an effective symbiosis with the root system of plants.

PGPR and Biocontrol Agents

Bacillus spp.

Bacillus subtilis, *B. amyloliquefaciens*, *B. megaterium*, *B. pumilus*, *B. licheniformis*

Bacillus strains act on multiple fronts in the defense and development of plants by exerting a strong antagonism towards phytopathogenic fungi and bacteria. They are also able to stimulate the immune response of plants by inducing systemic resistance called ISR, a process that involves the activation of the transcription of specific genes involved in defense, thus increasing the plant's ability to react to any biotic attacks.

Main features:

- Antagonism towards phytopathogenic fungi and bacteria
- Induction of systemic resistance (ISR) in plants
- Production of auxins that stimulate plant growth

Bacillus thuringiensis

Bacillus thuringiensis is currently the only bacterium known to be effective as a bioinsecticide. Its action occurs exclusively through ingestion by lepidopteran larvae, which consume plants contaminated by the bacterium. Once ingested, *Bacillus thuringiensis* sporulates inside the intestine of the host insect, releasing endotoxins (Bt toxins) that compromise the digestive system of the insect, leading to rapid death.

Main features:

- Antagonism towards phytopathogenic fungi and bacteria
- Induction of systemic resistance (ISR) in plants
- Production of auxins that stimulate plant growth

Lactobacillus spp.

They are generally known to be used in food biotechnology as starters for the production of fermented foods and beverages or as preservative agents to inhibit food spoilage or the growth of pathogenic microorganisms. They are also used as probiotics. They are ubiquitous microorganisms and are also present in the rhizosphere or as endophytes in the roots of various horticultural and tree crops.

Functions:

- Microbial competition, improvement of the rhizosphere.
- Acidification of the microenvironment.
- Stimulation of plant defense mechanisms IRS
- Stimulation of plant growth.



Okyspor BS

Bacillus subtilis



Okyspor BT

Bacillus thuringiensis



Okyspor MT

Bacillus megaterium



Okyspor LC

Bacillus licheniformis



Okyspor AM

Bacillus amyloliquefaciens



Okyspor LT

Lactobacillus spp.

Microorganisms and mycorrhizae



Nitrogen-Fixing Bacteria	They are microorganisms capable of transforming atmospheric nitrogen into forms assimilable by plants (ammoniacal nitrogen), contributing to soil fertility. They can live freely in the soil (<i>Azotobacter</i> , <i>Clostridium</i>), non-nodulating symbionts (<i>Azospirillum</i>) or form root nodules in legumes (<i>Rhizobium</i>). They improve nitrogen availability through natural processes such as nitrification and denitrification.
<i>Azotobacter spp.</i> , <i>Rhizobium spp.</i>	
Phosphorus solubilizing bacteria	Microorganisms such as <i>Bacillus</i> , <i>Pseudomonas</i> and <i>Rhizobium</i> make available the phosphorus immobilized in the soil, both organic and inorganic. They do this by acidifying the rhizosphere and producing enzymes that solubilize the phosphorus making it assimilable by plants.
<i>Bacillus spp.</i> , <i>Pseudomonas spp.</i> e <i>Rhizobium spp.</i>	
Potassium solubilizing bacteria	Bacteria such as <i>Agrobacterium</i> , <i>Flavobacterium</i> , <i>Rhizobium</i> , <i>Pseudomonas</i> and <i>Bacillus</i> make potassium bioavailable that is locked in soil minerals. They act by producing organic acids that lower the pH in the soil and release K ⁺ ions from Feldspars and Micas, promoting root absorption.
<i>Bacillus spp.</i> , <i>Lactobacillus spp.</i> , <i>Pseudomonas spp.</i>	
Sulfur-solubilizing bacteria	Sulfur-solubilizing bacteria convert insoluble forms of sulfur into plant-available forms, mainly sulfates (SO ₄ ²⁻). These bacteria play a crucial role in the biogeochemical cycle of sulfur and can be exploited in agriculture to increase the availability of sulfur in soils, improve plant nutrition, and reduce the need for chemical fertilizers.
<i>Bacillus spp.</i> , <i>Pseudomonas spp.</i>	

Our proposals:



Okyspor N

Azotobacter spp., *Rhizobium spp.*



Okyspor P

Bacillus spp., *Pseudomonas spp.* e *Rhizobium spp.*



Okyspor K

Bacillus spp., *Lactobacillus spp.*, *Pseudomonas spp.*



Okyspor S

Bacillus spp., *Pseudomonas spp.*

Mating Disruption



Mating disruption controls certain insect pests by introducing artificial stimuli that prevent mating and block the reproductive cycle; it's very important to control its efficiency using Monitoring traps.



Checkmate Puffer (Aerosol Pheromone release technology for pests control)

Pathogen	Crops	Puffer
Codling Moth <i>Cydia pomonella</i>	Pome fruit and Walnut 2 - 3 diffusers/ha	CM
European Grapevine Moth <i>Lobesia botrana</i>	Grapevine 2,5 diffusers/ha	LB
Oriental Fruit Moth and Plum Moth <i>Cydia molesta</i> <i>Cydia funebrana</i>	Peach and Plum 2 - 3 diffusers/ha	OFM



Checkmate Dispenser (Membrane release system or Flow dispenser for pests control)

Pathogen	Crops	Checkmate
European Grapevine Moth <i>Lobesia botrana</i>	Grapevine • 75ml/ha 3 weeks action • 110ml/ha 4 weeks action	Subvert
Vine Mealybug <i>Planococcus ficus</i>	Grapevine 620 diffusers/ha	VMB - XL
Peach Moth <i>Cydia molesta</i> <i>Cydia funebrana</i> <i>Anarsia lineatella</i>	Stone Fruit 375 diffusers/ha	SF - XL



Shin-Etsu Dispenser (Controlled release containing pheromones for pests control)

Pathogen	Crops	Isonet
Tomato leafminer <i>Tuta absoluta</i>	Tomato 1000 diffusers/ha	T
European Grapevine Moth <i>Lobesia botrana</i>	Grapevine 200 - 300 diffusers/ha	L TT
Leopard Moth <i>Zeuzera pyrina</i>	All crops 300 diffusers/ha	Z
Oriental Fruit Moth <i>Cydia molesta</i> Plum Fruit Moth <i>Cydia funebrana</i>	Pome and Stone Fruit 500 - 600 diffusers/ha	Isomate OFM rosso



Bio Magnet (Attract and Kill system)

Pathogen	Crops	Bio Magnet
Olive Fly <i>Bactrocera oleae</i>	Olive tree 50 - 100 diffusers/ha	Oro
Mediterranean Fruit Fly <i>Ceratitis capitata</i>	Citrus fruits, grapes, pome fruits, stone fruits, tropical fruits 50 - 75 diffusers/ha	Amber
Spotted wing Drosophila / Cherry fruit fly <i>Drosophila suzukii</i> <i>Rhagoletis cerasi</i>	Strawberries, raspberries, blueberries, currants, blackberries, cherries, vines 75 - 150 diffusers/ha	Ruby



Trap test (Trap monitoring)

Pathogen	Crops
Available for all pests	All crops 3 Traps/ha

SKL - OUR OFFICES



PRODUCTION SITE
CANOSA SANNITA (BT)
 Via Verso Tollo 71
 66010 (CH)



LOGISTIC HUB
BARLETTA (BT)
 C.da Petrarò SNC
 76121 (BT)



FAR EAST J.V.
 E.A. of Shifang City
 Sichuan Province (China)



Labels and Safety data sheets

always on your smartphone



Find out how to download **labels**, **Safety data sheets** and the entire obligatory documentation about REACH regulation, in line with what is expected from the ministerial circular on the new regulation CLP.

Alternatively visit the link: <https://shopping.agrimag.it/it/etichette-sds>



Rules for using products for plant care and as adjuvants

Professional Workers, before to buy a product, have to verify that it's actually able to solve the problem detected on crops, the authorization it's still active and has not been revoked. Finally they must check if the label is updated.

Revoked products can be sold for a limited period to the end-user, who consequently has a limited period to use it.



How to be prepared to treat in safe

- Warning: these products have to be use only in agriculture. Any other use is dangerous.
- Choose an authorized product, allowed for the disease and for the culture.
- Read carefully label, warnings, dispositions, prescriptions and follow them closely.
- Be sure to be have all the necessary and the equipment ready to prepare the treatment.
- Wear the personal protective equipments reported on the label.
- Don't smoke and don't eat during the treatment.
- Don't contaminate other crops, food or beverage or waterways.
- Avoid to breathe vapors or dust and don't operate against the wind.
- Keep the package tightly closed.
- Limit losses as much as possible.
- Do not leave the equipment unattended and/or the product packaging, both closed and open.
- After manipulation or in case of contamination, wash yourself carefully with soap and water.
- After the use make packages unusable and harmless.
- In case of need seek medical attention showing the product's label and safety data sheet.
- Prepare only the necessary quantity for the area to treat.
- After the treatment clean carefully the equipment used and dispose waste water without environmental contamination.



Treatments Register

Buyers and users store treatment register realized during the growing season and for the previous three years.

Treatment register means a register where to report chronologically all the treatments realized on the crops, or alternatively, different registers, one for each crop.

Registers must show treatments and product used, before harvest or within thirty days to the harvest.



PPE - Personal Protective Equipment

The use of pesticides obliges the use of personal protective equipment.

They protect skin, respiratory and digestive system, avoiding harmful effects caused by the use of plant protective products. Main personal protective equipments are: gloves, respirators, safety glasses, boots and cotton coveralls.



Manufacturer Spagro s.r.l.
P.le Biancamano 8 - 20121 - Milano - Italy
Phone: (+39) 02 62033079 - (+39) 0883 349706



INFO@SPAGRO.IT



WWW.AGRIMAG.IT