since 1965

AGRICULTURAL PRODUCT CATALOGUE

INDEX

C.PGS/BB.1028 Rev.0 del 23/05/2018

WE'RE WORKING ALONGSIDE YOU TO ACHIEVE RATIONAL FARM MANAGEMENT

The product catalogue of CIFO S.r.l.'s Agricultural Division is **the result of 50 years' experience in plant nutrition**, offering customers a wide range of formulas which satisfy all the nutritional needs of fruit trees, vegetables, industrial crops, and flowers, aiding vegetative growth and production.

In line with the most advanced agronomic orientations, **CIFO proposes solutions tailored to the specific needs** of advanced agriculture as part of a controlled fertilising programme with **reduced environmental impact.**

Today all production originates in San Giorgio di Piano, just outside Bologna, where CIFO's headquarters and in-house lab are located in a plant equipped with advanced structures and technological equipment capable of producing tangible results from the work of CIFO researchers and agronomists.

CIFO's current size and structure is evidence of a dynamic company offering a large Italian and international clientele **a wide range of formulas** including liquid fertilizers, powdered fertilizers, trace elements, iron chelates, nutritional activators, wetting agents, rooting agents, products for prevention of premature fruit falling, root formation stimulators and products which comply with regulations governing organic agriculture.

CIFO has stayed ahead in products for intensive agriculture, promoting up-to-date fertilising methods and applying new means of production such as fertilisation application by irrigation, fertilizers

applied to the leaves, humic substances and amino acids.
In-depth study of specific physiological functions has permitted CIFO to promote awareness of nutritional methodology aimed at the soil and at the plant directly, with the aim of providing support not only when specifically needed when growth resumes, during flowering and fruit-bearing but throughout the entire life cycle.
These up-to-date fertilising techniques, used in combination with easily assimilable liquid and soluble powder formulates, offer considerable ecological benefits by permitting balanced, rational fertilizer use which reduces environmental impact.
Quality research and experimentation have helped make the CIFO method and trademark more and more widely known; intensive work in the laboratory and collaboration with universities and research institutes is of vital importance for a company oriented toward putting quality first.
The lab provides customers with a wide range of scientific and agronomic consulting services, and a technical approach to fertilisation that has proven effective and **made CIFO laboratories a prominent landmark in the field.**
Chemical soil analysis, indispensable for determining fertility, is carried out by lab technicians in collaboration with CIFO's agronomic office with the aim of coming up with custom-tailored fertilising plans.
The laboratory also performs leaf analysis for determining the nutritional status of plants.
Qualified commercial technicians in all parts of the country respond to the specific needs of CIFO's increasingly highly qualified customers to provide guaranteed agronomic and commercial results.
Experience in product distribution and all aspects of customer service is another factor making CIFO a perfectly dependable choice.
Through the scientific research, the experimentation in the field and high standards of product and service, our company want to give, also for the future, the better instruments to practise a "reasoned" agriculture and, following the principles of that active philosophy that distinguishes always CIFO, to hel nature to be close to man.
In this catalogue CIFO indicates how you can improve the profitability of your agricultural enterprise in an environmentally friendly manner using the most advanced techniques, the latest new methods and the safest products.

SPECIALTIES

TECHNICAL POSITIONING OF NUTRITIONAL SPECIALTIES ACCORDING TO AGRONOMIC PURPOSES AND PHENOLOGICAL PHASES

	Aim	Before transplant Seeds treatment	Post-transplant Sprouting	Vegetative growth	Flowering	Fruit-setting	Fruit swelling	Fruit coloring	Fruit ripening	Post-harvest
	Promote seed germination	Betalga								
FOLIAR	Promote “bud break dormancy”and uniformity of sprouting		Actigem							
	Stimulate the vegetative growth, the resistance to environmental stress after transplanting		Sinergon 2000	Sinergon 2000						
	Enhance plant resistance to osmotic and thermic stress (low and high temperatures)			Macys BC 28 Algacifo 3000	Macys BC 28 Algacifo 3000	Macys BC 28 Algacifo 3000	Macys BC 28 Algacifo 3000			
	Improve the efficacy of associated products and increase the resistance against their side effects		Sinergon 2000	Sinergon 2000	Sinergon 2000	Sinergon 2000	Sinergon 2000			
	Stimulate and uniform sprouting Improve flowering and fruit setting		Ert 23 Plus		Ert 23 Plus	Ert 23 Plus				
	Increase fruit size					Cifamin BK	Cifamin BK			
	Improve ripening uniformity, fruit color and the sugar content							Cet 46 Green	Cet 46 Green	
	Stimulate the plant natural defense mechanism			Ionifoss Blok 5	Ionifoss Blok 5	Ionifoss Blok 5	Ionifoss Blok 5			Ionifoss
ROOT	Improve chemical-physical characteristics of soil/ topsoil and substrate	Biotron S								
	Promote root growth and first vegtative phase		Betalga							
	Increase nutrient uptake		Radicifo	Radicifo	Radicifo	Radicifo	Radicifo			
	Improve soil texture and fertility			Cifoumic	Cifoumic	Cifoumic	Cifoumic			
	Improve nutrients uptake in "untextured" soils		Supernat 93	Supernat 93	Supernat 93	Supernat 93	Supernat 93	Supernat 93		
	Improve fruit size and yield, favour a balanced plant growth		Radicifo	Radicifo	Radicifo	Radicifo	Radicifo			
	Support humification process of stubble and cultural residues									Supernat 93

Bio Activator for overcoming environmental and physiological stress

ALGACIFO 3000

- **Increases the resistance to environmental stress (thermic, water-salt, nutritional).**
- **Favours the photosynthetic efficiency of leaves and sprouts.**

AUTHORISED IN ORGANIC AGRICULTURE

Components: Polysaccharides, Aminoacids of vegetal origin, Betaines, *Macrocystis Integrifolia*

Properties: ALGACIFO 3000 is a nutritional specialty containing components of purely vegetal origin.
A first fraction, derived by **extracts of Macrocystis integrifolia**, supplies polysaccharides, as laminarins and fucoidans able **to improve the systemic acquired resistance (SAR).**
The other organic compound is characterized by the presence of **betaines**, which counteract the osmotic stress due to temperature changes, water-salt or nutritional imbalances, and **enzymes + aminoacids (eg. Glutamic acid)** promoters of plant's recovery **in response to the environmental or physiological stress.**

Analysis:

Organic Nitrogen (N)	2%
Biological origin organic carbon (C)	10%
Organic substance 50% with nominal molecular weight	< 50 kDa

Size: 5 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees	During the whole crop cycle, in case of environmental stress	2 - 3 every 10 - 15 days	2 - 3 L/ha
Wine and table grape		2 - 3 every 10 - 15 days	2 - 3 L/ha
Vegetable and industrial crops		1 - 2 every 10 - 15 days	1.5 - 2 L/ha
Ornamental and flower *, crops, Nurseries		1 - 2 every 10 - 15 days	150 - 300 mL/hL

(*) Do not treat when petals appear.
Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

Biostimulant of the vegetative and productive growth

MACYS BC 28

Biostimulant for the vegetative and productive growth:

- **Initial phases: improves the development of roots and sprouts.**
- **Central phases: stimulates the flowering and fruit set.**
- **Final phases: improves the fruit size, qualitative features and increases yield.**

AUTHORISED IN ORGANIC AGRICULTURE

Components: Seaweed *Macrocystis integrifolia* 100%

Properties: MACYS BC 28 is a nutritional specialty based on 100% Macrocystis Integrifolia, a typical seaweed of the cold and uncontaminated Canadian seawaters.
Thanks to a specific industrial process, only mechanical with cold temperatures, we obtain a "juice concentrate" **very rich in natural organic substances**, such as growth regulators, polysaccharides (fucoidan, laminarin), alginates, vitamins and antioxidants, **with a positive action on the vegetal physiology.**
In first phases of crop cycle, MACYS BC 28 **stimulates roots and sprouts development**; during the flowering phase it **favours the fruit setting**, in final phases improves **fruit size and qualitative features.**

Size: 3 L; 6 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees	Pre-flowering, during fruit growth	2 - 3 every 10 - 15 days	1 - 2 L/ha
Wine and table grape	Pre-flowering, during fruit growth	2 - 3 every 10 - 15 days	1 - 2 L/ha
Vegetable and industrial crops	From first vegetative phases	1 - 2 every 10 - 15 days	1 - 1.5 L/ha
Ornamental and flower* crops, Nurseries	From first vegetative phases	1 - 2 every 10 - 15 days	100 - 200 mL/hL

(*) Do not treat when petals appear
Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

Calcium and Magnesium "activated" by *Macrocystis integrifolia*

CALCISAN GREEN

- **Quick and complete absorption of CALCIUM and MAGNESIUM**
- **Prevents physiopathies caused by mesonutrients deficiencies**
- **improves fruit and vegetables consistency and shelf life**

Components: *Macrocystsis integrifolia*, aminoacids, Calcium, Magnesium, Boron

Properties: CALCISAN GREEN is a formulation able to solve with efficacy issues connected to physiopathies caused by calcium and magnesium. These two mesoelements are "complexed" by specific polysaccharides (alginates) which are by nature contained in extracts of *Macrocystis integrofolia* seaweed. Absorption and translocation of nutrients inside vegetal tissues are in this way improved and giving the product an high nourishing efficacy. Other substances contained in the seaweed, such as laminarins, vitamin E (tocopherol) and aminoacids of vegetal origin help the plant to overcome environmental stress that can take place during the delicate phase of fruit growth/ripening. Vitamin D, other nutrient present in high quantity in Macrocystis seaweed, favors the absorption of calcium that together with boron are key elements to bind structural components of cell wall.
Agronomic advantages:
- prevents serious physiopathies (leaf withering or tip burn in vegetables, apex rot in tomato, rachis withering in vine, bitter pit in apple, browning of leaf margins in poinsettia, etc.)
- gives to fruit skin a greater resistance to "cracking"; increases "crispness" in leaf vegetables
- improves shelf life and resistance to post-harvest handling.

Analysis:

Calcium oxide (CaO) water soluble	13%
Magnesium oxide (MgO) water soluble	2%
Boron (B) water soluble	0,1%

Size: 1 L; 5 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, vine and olive	After fruit set	Treat every 10-12 days	3-4 L/ha
Vegetables in greenhouse	Central and final stages	Treat every 7-10 days	300-400 mL/hL
Vegetables in open fields	Central and final stages	Treat every 7-10 days	3-4 L/ha
Strawberry and small fruit	After fruit set	Treat every 10-12 days	300-400 mL/hL
Flowering and ornamental crops, nursery crops	During the whole cycle	Treat every 10-12 days	150-200 mL/hL

Use, for each treatment, volumes of water of min. 500-600 L/ha for arboreal crops, of 150-300 L/ha for open field crops and 80-100 L/1000m^2 for greenhouse crops. CALCISAN GREEN can be used also by fertigation at the average dose of 15-20 kg/ha for arboreal and open field crops and at the dose of 2-3 L/1000m^2 for greenhouse crops.
Dosages and numbers of application are to be intended as indicative and need to be evaluated in relation to specific soil, climatic and agronomic conditions.

Compatibility: The product can be mixed with all CIFO formulations and pesticides in general with the exception of mineral oils, oil based insecticides and dodine. A simple mixture test to check compatibility is advisable.

Bio Activator of sprouting, flowering and fruit setting

ERT 23 PLUS

- **Improves and uniforms sprouting and flowering.**
- **Favours pollen germination and fruit setting.**
- **Enhances plant metabolism during the reproductive phases.**

AUTHORISED IN ORGANIC AGRICULTURE

Components: Seaweed extracts *(Macrocystis integrifolia)*, Folic acid, Glycine betaine, Plant extracts (alfalfa).

Properties: ERT 23 PLUS is a biostimulant, particularly indicated to stimulate sprouting and flowering uniformity, pollination and fruit set processes.
The formula contains plant extracts and Seaweed extracts *(Macrocystis integrifolia)* that supply **amino acids, vitamins polysaccharides to activate plant metabolic pathways, cysteine and proline to protect plant cells from various stress factors.** The other organic compound is **glycine betaine**, which allows the recovery from the metabolic stress and abiotic stress. **Folic acid** is an essential vitamin needed for cell growth and division, DNA replication and protein synthesis in cells.

Analysis:

Organic nitrogen (N)	1.5%
Biological origin organic carbon (C)	11%
Potassium oxide (K_2O)	6.1%
Betaines	10%

Size: 1 L; 5 L

Methods of application:

Crop	Phenological phase	Number of applications	Foliar	Fertigation
Fruit trees, wine and table grape	After buds breaking	1	1 - 1.5 L/ha 0.5 L/ha (in association with other products)	-
	From pre-flowering to fruit setting	2 - 3		
Vegetable and industrial crops	From pre-flowering to fruit setting	2 - 4	1 - 1.5 L/ha 0.5 L/ha (in association with other products)	2 - 3 L/ha (after transplanting)
Greenhouse crops	From pre-flowering to fruit setting (vegetable crops) or during the whole cycle (leafy vegetables, flower crops)	2 - 4	100 - 150 mL/100 L 50 mL/100 L (in association with other products)	200 - 300 mL/1000m^2

Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with products based on Copper and Sulphur, mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

Bio Activator of plant growth based on vegetal amino acids and seaweed *Macrocystis integrifolia*

SINERGON 2000

- **Promotes plant vegetative growth.**
- **Favours plant recovery from stress.**
- **Optimizes the efficacy of associated agrochemicals.**

AUTHORISED IN ORGANIC AGRICULTURE

Components: *Macrocystis integrifolia* seaweed extract, Amino acids of vegetal origin.

Properties: SINERGON 2000 is a specialty containing amino acids of vegetal origin, which derive from an enzymatic hydrolysis, and seaweed extracts *(Macrocystis integrifolia)* derived from a mechanical process. In this way, all active components, remain in their natural form and biologically stimulate the vegetal metabolism.
In particular, Sinergon 2000 promotes the synthesis of proteins and natural growth substances by supplying tryptophan, the precursor of auxin biosynthesis.

- **Promote plant vegetative growth,** allowing a fast plant recovery from environmental and physiological stress
- **Improve the efficacy of associated products**
- **Improves the metabolic activity** allowing the plants to grow even under stress conditions

Analysis:

Organic nitrogen (N)	6%
Biological origin organic carbon (C)	25.2%
Organic matter with nominal molecular weight <50 kDa	35%

Size: 1 L; 5 L

Methods of application:

Crop	Phenological phase	Number of applications	Foliar	Fertigation
Fruit trees, wine and table grape	During the whole crop cycle	3 - 4 every 7 - 10 days	2 - 2.5 L/ha	10 - 20 L/ha
Vegetable and industrial crops	During the whole crop cycle	3 - 4 every 7 - 10 days	1.5 - 2 L/ha	10 - 20 L/ha
Cereals	During the whole crop cycle	1 - 2	3 - 5 L/ha	5 - 10 L/ha
Flower and ornamental crops	During the whole crop cycle	2 - 3 every 7 - 10 days	100 - 200 mL/100 L	1 - 2 L/1000m^2

Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with products based on Copper and Sulphur, mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

Bio Activator of vegetative and productive growth

SINERGON 3000

- **Promotes the vegetative and productive growth.**
- **Favours plant recovery from environmental and physiological stress.**
- **Improves the tillering of cereals, increasing the yield per hectare.**

AUTHORISED IN ORGANIC AGRICULTURE

Components: Concentrate of natural Aminoacids and Peptides

Properties: SINERGON 3000 is a biostimulant, from the animal epithelium processed by an enzimatic process.
The obtained specific formulation is **very rich of natural aminoacids (L-)**, with an established ratio between **Glycine and Proline+Hydroxyproline**, that makes the product able to act positively on several biochemical processes of plant.
SINERGON 3000 has a stimulant action on the **development of new vegetal tissues (buds, sprouts) and on fruit swelling; reduces damages caused by environmental stress**, in particular sudden termic changes and high temperatures during the summer period.

Analysis:

Organic nitrogen (N)	8.9%
Soluble organic nitrogen (N)	8.9%
Biological origin organic carbon (C)	25%
C/N Ratio	2.8

Size: 50 mL; 5 L; 200 L

Methods of application:

Crop	Phenological phase	Number of applications	Foliar	Fertigation
Fruit trees	During the whole crop cycle	2 - 3 every 7 - 10 days	2.5 - 3 L/ha	10 - 15 L/ha
Wine and table grape	During the whole crop cycle	2 - 3 every 7 - 10 days	2.5 - 3 L/ha	10 - 15 L/ha
Cereals	Tillering - Earing	1 - 2	3 - 4 L/ha	5 - 10 L/ha
Vegetable and industrial crops	During the whole crop cycle	1 - 2 every 7 - 10 days	3 - 4 L/ha	5 - 10 L/ha
Ornamental and flower crops, Nurseries	During the whole crop cycle	1 - 2 every 7 - 10 days	300 - 400 mL/hL	1 - 1.5 L/1000 m^2

Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils, emulsions and products based on copper. A simple mixture test to check compatibility is advisable.

Enhancer of fruit growth

CIFAMIN BK

- **Increases and uniforms fruit size.**
- **Keeps fruit shape and firmness unaltered.**
- **Ensures optimal shelf-life.**

Components: *Macrocystis integrifolia* seaweed extract, Trigonella extracts, Corn germ extract, Tryptophan, Arginine, Vegetable Amino acids, Uptake Bioenhancers

Properties: CIFAMIN BK is a specialty, very rich in organic compounds with a biostimulant action on vegetal physiology, particularly indicated for improving fruit and vegetable size.
The product contains amino acids of vegetal origin derived from enzymatic hydrolisis, such as, **tryptophan and arginine.** These are precursors of auxins and polyamines which favour cell division and extension ensuring high number of cells in young fruits. In this way, it provides balanced fruit growth and enlargement during first phases of fruit growth. CIFAMIN BK also improves plant metabolism, supplying macronutrients and vegetal amino acids.
Seaweed Macrocystis extracts supply **polysaccharides**, enzymes and betains, thus sustaining and complementing the action of amin oacids. The effect of CIFAMIN BK, is optimized by the **Uptake Bioenhancers** (high performance surfactants) that combine the tensioactive properties of chemical wetting agents with the carrier action of biological macromolecules.

Analysis:

Total Nitrogen (N)	5%
Organic nitrogen (N)	0.6%
Nitric Nitrogen (N)	1%
Ammoniacal nitrogen (N)	1.7%
Ureic Nitrogen (N)	1.7%
Phosphorus pentoxide (P_2O_5)	8.5%
Potassium oxide (K_2O)	4%
Biological origin organic carbon (C)	3%

Size: 1 L; 5 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Kiwifruit green pulp	From complete petal fall	3 every 7 - 8 days	2 - 2.5 L/ha
Kiwifruit yellow pulp	From complete petal fall	3 every 7 - 8 days	2 - 3 L/ha
Pome and stone fruit	From complete petal fall	2 every 6 - 7 days	2.5 - 3 L/ha
Table grape	After fruit set	2 every 8 - 10 days	3 L/ha (under cover 1.5 L/ha, open field 2 - 2.5 L/ha)
Citrus	After fruit set	3 every 12 - 15 days	3 L/ha
Melon, watermelon, processing tomato	After fruit set	3 every 6 - 7 days	2 L/ha
Cucumber, zucchini	During the whole crop cycle	Every 5 - 7 days	150 - 200 mL/100 L
Aubergne, pepper, tomato	After fruit set of the 1st truss	Every 5 - 7 days	150 - 200 mL/100 L

Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils, emulsions and products based on copper. A simple mixture test to check compatibility is advisable.

Promoter of bud breaking

ACTIGEM 1

- **Improves uniformity of sprouting and flowering in Cherry, Table Grape, Kiwifruit, Peach and Nectarin.**
- **Increases the number of fertil flower bud.**
- **Enhances potential productivity.**

ACTIGEM 1 should be associated with ACTIGEM 2

Components: Nitrogen, Calcium, Amino Acids, Carbohydrates.

Properties: ACTIGEM is purposely developed to stimulate bud breaking, anticipating and uniforming the sprouting, flowering in table grape, kiwifruit, cherry, peach and nectarin. The product activates the first step of respiratory metabolism, favouring the hydrolysis of carbohydrates stored in plant's reserve tissues; that process restores cell exchanges of metabolites, and the cell division of bud organs. Ultimately, due to the high content of Calcium, ACTIGEM simulates the effects of exposure to low temperature exposure, that is necessary to release the dormancy stage in fruit trees.

Analysis:

	ACTIGEM 1	ACTIGEM 2
Total Nitrogen (N)	8.7%	15%
Organic nitrogen (N)	0.7%	/
Nitric Nitrogen (N)	4%	9%
Ammoniacal nitrogen (N)	4%	6%
Organic Carbon (C)	5.5%	/
Calciumoxide (CaO)	/	7%

Size: 5 L; 20 L

Methods of application: FOLIAR

ACTIGEM 1 must always be associated with ACTIGEM 2 to support the increase in bud metabolism:

Crop	Time of application	ACTIGEM 1	ACTIGEM 2	Water volume
Cherry	50 - 30 days before flowering	8 %	20%	800 L/ha
Table grape	50 - 30 days before sprouting	6 - 8%	20%	600 L/ha
Kiwifruit green pulp	50 - 30 days before sprouting	6 - 8%	20%	600 L/ha
Kiwifruit yellow pulp	40 - 30 days before sprouting	8%	20%	600 L/ha
Peach and nectarin	40 - 30 days before flowering	4%	15%	800 L/ha

Example

On cherry the proposed dosage is 64 L of ACTIGEM 1 (8 L every 100 L of water) + 160 L of ACTIGEM 2 (20 L every 100 L of water) should be added into 800 L of water, in order to obtain 1024 L of solution to distribute per hectare

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Warnings:

The product can be mixed with all common formulations, except with products based on Copper and Sulphur, mineral oils and emulsions. A simple mixture test to check compatibility is advisable.
Apply in areas with less than 500 chilling hours (t < 7,2 °C).
Do not apply when temperatures are lower than 5° C.
Do not use on plants younger than 3 years of age.
May determine phytotoxicity on plants that are weak or nor properly lignified.
Any treatment with mineral oils should be carried out at least 8-10 days after the application of ACTIGEM 1 + ACTIGEM 2
Avoid applying the product (even by drifting) on vegetating or evergreen crops (i.e. olive, citrus, etc.)

Bio Activator of fruit ripening and coloring

CET 46 GREEN

- **Promotes uniformity and ripening.**
- **Increases fruit colouring.**
- **Improves sugar content.**

Components: Phenylalanine, Methionine, Plant extracts, Monosaccharides.

Properties: CET 46 GREEN improves fruit ripening process due to the presence of plant extracts, rich in Oxylipins. These together with **Phenylalanine enhances** biosynthetic pathways of anthocyanins, the pigments mainly responsible for fruit coloring. CET 46 GREEN supplies also monosaccharides as carbon and energy source for plant primary metabolism. **Oxylipins** reinforce the cell walls inducing the natural synthesis of lignin and monolignols. CET 46 GREEN does not alter flesh firmness nor fruit storability.

Analysis:

Total Nitrogen (N)	3%
Organic nitrogen (N)	2%
Ureic Nitrogen (N)	1%
Biological origin organic carbon (C)	14%
Potassium oxide (K_2O)	7%

Size: 1 L; 5 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Foliar
Pome* and stone fruits	15 days and 7 days before harvest	2 applications	4 - 6 L/ha
Wine and table grape	20 - 15 days and 10 - 7 days before harvest	2 applications	4 - 5 L/ha
	8 - 10 days before harvest	1 application	8 L/ha
Citrus	25 - 20 days and 15 - 10 days before harvest	2 applications	5 L/ha
	15 days before harvest	1 application	8 -10 L/ha
Olive tree	10 - 7 days before harvest	1 application	400 - 600 mL/ha
Vegetables (tomato and pepper)	12 - 10 days and 5 - 6 days before harvest	2 applications	400 - 600 mL/100 L
Processing tomato	15 and 7 days before harvest	2 applications	4 - 5 L/ha
	10 days before harvest	1 application	8 L/ha
Watermelon and melon	15 and 7 days before harvest	2 applications	4 - 5 L/ha
Strawberry	Every 4 - 5 days, In environments with low light and temperature	2 applications	400 - 600 mL/ha
Flowers	When flowers start coloring and after 7 - 10 days	2 applications	300 - 400 mL/100 L

(*) On apple cultivars with gradual ripening perform a third application between first and second picking

Dosages are calculated for normal water distribution volumes.
Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with products based on Copper and Sulphur, mineral oils and emulsions.
A simple mixture test to check compatibility is advisable.

Enhancer of growth and quality on forage crops and vegetables

SELFORT

- **Accelerates the vegetative growth, anticipating first cutting on forage crops.**
- **Improves proteins and selenium content in plants.**
- **Enhances fibre digestibility, reducing nitrates quantity.**

With organicated selenium highly bioavailable

Components: Macro and micronutrients

Properties: SELFORT is a liquid formulation purposely studied to improve growth and qualitative features on forage crops and vegetables. In particular, the product favours a quick growth, **anticipating first cuttings** (e.g. alfalfa) and **increasing the total yield; enhances the nitrogen uptake** by roots and its metabolism, **increasing proteins content and reducing nitrates in leaves.** Besides, SELFORT **improves nutraceutical properties** of crops, supplying "organicated" Selenium, highly bioavailable, which is an essential element for the animal wellness, but also for the human health.

Analysis:

Phosphoric anhydride (P_2O_5)	15%
Potassium oxide (K_2O)	10%
Zinc (Zn) chelated with EDTA	0.25%
Molybdenum (Mo)	0.05%

Size: 20 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, wine and table grape	Before flowering and in final stages of fruits growth	2 - 3 every 10 - 15 days	2.5 - 3 L/ha
Vegetable and industrial crops	From first true leaves up to Flowering	2 - 3 every 7 - 10 days	4 - 5 L/ha
Alfalfa and other fodder crops	Vegetative restart and after each cutting	2 - 3 every 20 - 25 days	5 - 10 L/ha
Ornamental and flower crops, Nurseries	Initial and central phases	2 - 3 every 7 - 10 days	250 - 300 mL/hL

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

Nutritional specialty and Bio Activator of plant natural barriers

BLOK 5

- **Promotes the growth of greener and more compact plants.**
- **Stimulates the plant natural defense mechanism.**
- **Improves the plant nutritional status.**

Components: Aloe,Tormentilla and Echinacea extracts, Potassium and Magnesium salts.

Properties: BLOK 5 is a specialty purposely studied to **increase the resistance and tolerance of plant against enviorenmental stress.**
The product contains plant extracts Echinacea, Tormentil, and Aloe, rich in polysaccharides, amino acids and phenylpropanoids. **Phenylpropanoids** stimulate a number of different pathways in secondary metabolism (lignin, phytoalexins and salicylic acid biosynthesis), reinforcing tissues and priming the plant to fast response to possible attack. BLOK 5 **optimizes plant nutritional status** by delivering a complete nutrient supply for primary metabolism and photosynthesis, which includes amino acids and polysaccharides (readily available energy and carbon sources).

Analysis:

Total Nitrogen (N)	2%
Organic nitrogen (N)	0.3%
Ureic Nitrogen (N)	1.7%
Phosphorus pentoxide (P_2O_5)	8%
Potassium oxide (K_2O)	6%
Magnesium oxide (MgO)	3.3%
Biological origin organic carbon (C)	3%

Size: 1 L; 5 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, wine and table grape	From shooting to the beginning of fruit set	Every 7 - 10 days	3 L/ha
Pear, apple and other fruit trees	From shooting to the beginning of fruit set	Every 7 - 10 days	2.5 - 3 L/ha
	From the second half of fruit enlargement	Every 7 - 10 days	3 L/ha
Strawberry	During the whole vegetative cycle	Every 7 - 10 days	200 - 250 mL/100 L
Vegetable and industrial crops	From the 3rd leaf stage	Every 7 - 10 days	2 - 2.5 L/ha
Fresh cut vegetables	During the whole vegetative cycle	Every 7 - 10 days	2 L/ha
Nurseries and flower crops	During the whole vegetative cycle	Every 7 days	200 mL/100 L

Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with products based on Calcium, with a strong alkaline reaction and mineral oils. A simple mixture test to check compatibility is advisable.

Promoter of plant's endogenous resistance

IONIFOSS

- **Stimulates the endogenous resistance (SAR) to diseases and physiological stress.**
- **Promotes the growth of plants more vigorous and healthy.**

Components: Potassium, Phosphites

Properties: IONIFOSS contain potassium and phosphite ions, quickly and totally assimilable either through leaves or roots. The product, once absorbed, **shows a real systemic activity**, both in upwards and downwards, which allows it to quickly reach all plant's organs.
IONIFOSS **enhances the biosynthesis of phytoalexins and other metabolites** (e.g. salycilic acid) produced by the plant itself **for reacting to any pathogen's attack.**
Besides, IONIFOSS **improves nutrients and active principles uptake**, eventually distributed in association, and has a **"vasodilatory" action**, particularly effective in cases of poor absorption due to physiological alterations (e.g. graft disorders, age of plants, etc.) or to pedoclimatic conditions.

Analysis:

Phosphoric anhydride (P_2O_5) soluble in water	30%
Potassium oxide (K_2O) soluble in water	20%
Phosphoric anhydride (P_2O_5) coming from phosphoric acid (phosphorous acid).	

Size: 1 L; 5 L; 20 L; 200 L; 1000 L

Methods of application:

Crop	Phenological phase	Number of applications	Foliar	Fertigation
Fruit trees, wine and table grape	After vegetative regrowth, pre-flowering, during fruit swelling	3 - 6 every 7 - 10 days	2 - 2.5 L/ha	10 - 15 L/ha
Vegetable and industrial crops	During the whole crop cycle	3 - 6 every 7 - 10 days	2 - 2.5 L/ha	10 - 15 L/ha
Ornamental and flower crops, Nurseries	During the whole crop cycle	3 - 6 every 7 - 10 days	200 - 250 mL/hL	1 - 1.5 L/1000 m^2

Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils, emulsions, products based on copper and foliar fertilizers with an high content of nitrogen. A simple mixture test to check compatibility is advisable.

Bio Activator of nutrients uptake and root growth

CIFOUMIC

- **Increases nutrients uptake by roots.**
- **Stimulates new roots growth.**
- **Enhances soil fertility.**

Components: Humic and Fulvic acids

Properties: CIFOUMIC is a liquid formulation based on humic and fulvic acids with several positive actions both on the soil and directly on plants.
Used by fertigation, the product **improves nutrients uptake (phosphates, iron, microelements, etc.) through a "complexing" and "protective" action;** stimulates the activity of soil microrganisms, and **enhances some physical-chemical soil features** (water retention capacity, cationic exchange capacity, etc.).
Moreover CIFOUMIC makes inactive several organic molecules, protecting plants and microorganisms from too high pesticides concentration.
Used **by foliar application**, CIFOUMIC **promotes** new tissues growth, in particular t**he development of sprouts and fruits.**

Analysis:

Organic substance on wet basis	14%
Organic substance on dry basis	63%
Humified organic substance as a percentage of total organic substance	86%
Organic nitrogen (N) on dry basis	0.7%
C/N ratio	45
Extractor: KOH	

Size: 1 L; 10 L

Methods of application: FERTIGATION

Crop	Phenological phase	Dosage
Fruit trees, Wine and table grape, Actinidia	During the whole crop cycle	10 - 15 L/ha
Vegetable and industrial crops	During the whole crop cycle	8 - 10 L/ha
Ornamental and flower crops, Nurseries	During the whole crop cycle	1 - 1.5 L/1000 m^2

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

Bio Activator of nutrients uptake in “untextured” soils

SUPERNAT 93

- **Improves the nutrients uptake in “untextured” soils.**
- **Revitalises impoverished soils, improving fertility characteristics.**

AUTHORISED IN ORGANIC AGRICULTURE

Components: Polysaccharides, Aminoacids of vegetal origin, Potassium

Properties: SUPERNAT 93 is an **activator of soil fertility-nutrients uptake, very effective also in “untextured” soils.**
The formulation contains polysaccharides, enzymes and aminoacids with a positive action both on roots and on biological soil characteristics.
SUPERNAT 93 **favours nutrients uptake** by roots (macro and micronutrients), **improving fertilizers efficiency** distributed in combination with it.
The product **stimulates enzymatic processes and the multiplication of soil microorganisms,** enhancing soil’s biological activity and the root system health.
The regular use of SUPERNAT 93, alone or in combination with NPK fertilizers, **revitalizes impoverished and “untextured” soils, and enhances the vegetative-productive growth,** determining higher yields.

Analysis:

Organic Nitrogen (N)	2.7%
(K_2O) Potassium oxide	4%
Biological origin organic carbon (C)	10%

Size: 20 L; 200 L; 1000 L

Methods of application: FERTIGATION

Crop	Phenological phase	Dosage
Fruit trees, wine and table grape	From the vegetative regrowth, also in combination with NPK fertilizers	50 - 60 L/ha
Vegetable and industrial crops	During the whole crop cycle, also in combination with NPK fertilizers	30 - 60 L/ha
Ornamental and flower crops, Nurseries	During the whole crop cycle, also in combination with NPK fertilizers	3 - 6 L/1000 m^2
Post-harvest, to favour humification process of stubble and cultural residues		50 - 60 L/ha

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Bio Activator of root and plant growth

RADICIFO

- **Stimulates the rooting process and nutrient uptake.**
- **Favours a balanced plant growth.**
- **Stimulates fruit growth.**
- **Increases fruit size and uniformity.**

AUTHORISED IN ORGANIC AGRICULTURE

Components: Organic acids, Plant extracts, chelated Micronutrients, Vitamins

Properties: RADICIFO is an innovative specialty, purposely developed to stimulate the rooting process and the balanced plant growth during the crop cycle.
The formula contains plant extracts, rich in phytosaponins, polysaccharides and glycine betaine. RADICIFO improves root formation and growth, nutrient uptake and soil structure thanks to synergic effect of **phytosaponins (natural adjuvants), glycine betaine and organic acids.** The formula enhances primary metabolism and optimize hormone balance in plant tissues supplying polysaccharides, amino acids, vitamins and chelated micronutrients.

Analysis:

Organic nitrogen (N)	1%
Biological origin organic carbon (C)	10%
Organic matter with nominal molecular weight <50 kDa	30%

Size: 5 L; 20 L

Methods of application: FERTIGATION

Crop	Phenological phase	Number of applications	Dosage
Fruit trees and table grape	Beginning of flowering	3 - 4	15 - 20 L/ha
	After fruit set		
	Fruit enlargement		
Strawberry	10 - 15 days after transplanting	3 - 4	1.5 - 2 L/1000m^2
	Vegetative growth		
	Pre-flowering		
	Fruit enlargement		
Open field crops, industrial crops	10 - 20 days after transplanting	In indeterminate and long-cycle crops, repeat the application periodically	15 - 20 L/ha
	After fruit set of the 1st truss		
	Fruit enlargement		
Greenhouse crops	10 - 20 days after transplanting		1.5 - 2 L/1000m^2
	After fruit set of the 1st truss		
	Fruit enlargement		
Leafy vegetable crops	10 days after transplanting	2 - 3	15 - 20 L/ha
Flower crops and potted plants	10 - 12 days after transplanting	3	1.5 L/1000m^2 2 - 3 L/m^3 of water
	Flower bud formation		
	Flower stalk elongation		

Dosages are calculated for normal water distribution volumes.
Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, avoid concentrated blends with acid reaction products. A simple mixture test to check compatibility is advisable.

Promote root development

BIOTRON S

- **Improves rooting of transplanted and repotted plants.**
- **Ensure balanced vegetative growth.**

AUTHORISED IN ORGANIC AGRICULTURE

Properties: The high content of organic substance present therein is characterised by a high value (93%) of humified organic substance which translates into a percentage of humic and fulvic, acíds really unique in nature.
The humic and fulvic acids, gradually released from the product, combine with the soil particles producing humo argillaceous colloidal complexes which don't wash away. Their effects are the improvement of chemical-physical soil characteristics, of absorption process of all nutrients, of young plants' rooting and of seed germination.

Analysis:
(dried substance)

Biological origin organic carbon (C)	34%
Organic Nitrogen (N)	1.3%
Organic substance	68%
Humified organic substance as a percentage of total organic substance	93%
pH	6,5±0.5

Size: 30 kg

Methods of application: DISTRIBUTION TO THE SOIL

Crop	Phenological phase	Dosage
Fruit trees, wine and table grape	During Autumn-Winter vegetative rest, localized along trees row	100 - 150 kg/ha
	Transplant	100 - 200 gr/tree (directly in the transplant pit)
Vegetables and industrial crops	Before the soil preparation	200 - 300 kg/ha
Ornamental and flower crops, Nurseries	Before the soil preparation	2 - 3 kg/1000 m^2
Preparation of topsoil	Mix with topsoil before repotting	5-6 kg/m^3

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

Bio Activator of root growth and development

BETALGA

- **Stimulates root growth and development.**
- **Promotes seed germination.**

Components: Amino acid complex, *Ascophyllum nodosum, Macrocystis integrifolia,* and *Sargassum* seaweed extracts.

Properties: BETALGA is an innovative specialty, purposely developed to stimulate rapid root formation and elongation. The formula contains highly concentrated extracts of Macrocystis, Ascophyllum and Sargassum seaweed and amino acids. BETALGA promotes the formation of adventitious and absorbent root hairs, then the **development of the root apparatus in depth and width**, supplying high amounts of betaines, alginic acids, micronutrients and natural growth promoters. BETALGA supplies amino acids as rapidly available source for primary metabolism, balance natural growth promoters and stimulate seed germination.

Analysis:

Total nitrogen (N)	12%
Organic nitrogen (N)	3.4%
Ureic nitrogen (N)	8.6%
Organic matter	20.5%

Size: 5 L

Methods of application: FERTIGATION

Crop	Phenological phase	Number of applications	Dosage
Vegetable and industrial crops	Immediately after transplanting	1 - 2 applications	2 - 3 L /ha
	Localized at sowing/transplanting with sowing/transplanting machine		200 mL/100 L
Fruit trees, wine and table grape	At vegetative reawakening Repeat the application whenever there is the need to promote the root growth	1 - 2 applications	1 - 1.5 L /ha
Potted plants	Immediately after repot	1 - 2 applications	50 - 100 mL/100 L
Plateau bath	Before transplanting	1 application	50 - 100 mL/100L
Seed treatment	During the last hours before sowing	1 application	25 - 50 mL /100 kg seed using a water volume suitable for the complete and uniform seeds wetting

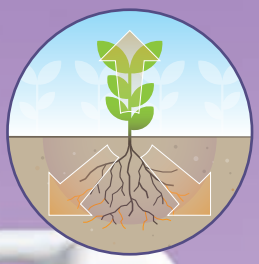
Dosages are calculated for normal water distribution volumes.
Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with products based on Copper. A simple mixture test to check compatibility is advisable.

RadiCifo

Bio Activator of root and plant growth

ORGANIC



ROOTING "bioACTIVATOR"

- To promote development of adventitious roots and absorbing hairs
- To enhance rooting of young plants after transplanting
- To improve plant's development and make it balanced
- To make nutrients' absorption more efficient
- To increase fruit size and uniformity

www.cifo.it - export@cifo.it

Company with Integrated Management System
UNI EN ISO 9001:08; UNI EN ISO 14001:04;
BS OHSAS 18001:07
Certified by CERTIQUALITY

since 1965

For sustainable agriculture

MESO AND MICRONUTRIENTS

Actisel

Improves the quality of harvest, increases the yield.

- To prevent and cure the important physiophaties in vegetables and fruits (rachis withering, defoliation, interveinal chlorosis, etc.)
- To increase the level of natural antioxidants (Selenium and Vitamin C)
- To improve the qualitative features of final production

www.cifo.it - export@cifo.it

Company with Integrated Management System
UNI EN ISO 9001:08; UNI EN ISO 14001:04;
BS OHSAS 18001:07
Certified by CERTIQUALITY

since 1965

For sustainable agriculture

PRODUCTS FOR CURING AND PREVENTING

IRON CHLOROSIS

ESSEMAX EC FERTILIZER ● Fe EDDHA 5,2% ortho-ortho

Properties: The chelating agent EDDHA, present in its active ortho-ortho form in high percentage makes products very stable even in highly alkaline soils, providing maximum efficiency in turning plants green again and longlasting action. Plants treated with are greener, more vital and productive.

Analysis:

Water-soluble Iron (Fe)	6%
[o,o] EDDHA chelated Iron (Fe)	5,2%

Size: 1 kg, 10 kg

Methods of application: FERTIGATION

DOSAGES		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
10 - 20 kg/ha	5 - 10 kg/ha	1 - 2 kg/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

S6 RADICALE EC FERTILIZER

Analysis:

Water-soluble Iron (Fe)	6%
[o,o] EDDHA chelated Iron (Fe)	4%

Size: 20 kg

Methods of application: FERTIGATION

DOSAGES		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
10 - 20 kg/ha	5 - 10 kg/ha	1 - 2 kg/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

FERFAST EC FERTILIZER

Properties: They are formulations based on DTPA, a chelating agent highly stable and resistant to sunlight, particulary indicated by foliar application. Transports iron element directly and rapidly inside the leaf cells (APOPLAST), and therefore manages to prevent and cure iron chlorosis effectively.

Analysis:

DTPA chelated Iron (Fe)	6%

Size: 1 L, 5 L

Methods of application: FOLIAR

DOSAGES		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
1 L/ha	1 L/ha	100 mL/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

S3 RINVERDENTE EC FERTILIZER *With Macrocystis Integrifolia extracts*

Analysis:

DTPA chelated Iron (Fe)	3%
EDTA chelated Manganese (Mn)	2%

Size: 1 L

Methods of application: FOLIAR

DOSAGES		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
1 - 1.5 L/ha	1 - 1.5 L/ha	100 - 150 mL/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

Dosages are just for informational purposes and should be evaluated in relation to specific soil, climatic and agronomic conditions. Please consult the technical service for more details.

EC fertilizer

ACTISEL

- **Improvement of organoleptic and nutritional qualities.**

AUTHORISED IN ORGANIC AGRICULTURE

Properties: ACTISEL, thanks to the high MAGNESIUM content and the specific ratio with MANGANESE and ZINC successfully opposes specific physiophaties such as apple leaf fall, rachis withering in vine, defoliation, young branches desiccation and poor production in citrus, interveinal chlorosis, etc.
At quality level, SULPHUR promotes the formation of aromatic hydrocarbons in Cruciferae (cabbage, broccoli, cauliflower) and Liliaceae (garlic and onion); in fruit trees, it increases the growth of succulent and scented fruit.
ACTISEL increases in fruit and vegetables the quantity of natural antioxidants, such as SELENIUM and VITAMIN C, which have strong beneficial properties for human health.
ACTISEL **improves the size and qualitative features** (sugar content, colour, etc.) of tubers and taproots, such as **potato, carrot, radish, sugar beet, etc.**

Analysis:

Manganese (Mn)	4%
Zinco (Zn)	1.5%
Magnesium oxide (MgO)	23%
Sulphuric anhydride (SO_3)	52%

Size: 2,5 kg

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, wine and table grape	During fruit growth	3 - 4 every 10 - 12 days	2 - 2,5 kg/ha
Vegetable and industrial crops	From first true leaves up to central phases of crop cycle	2 - 3 every 10 - 12 days	2 - 2,5 kg/ha
Ornamental and flower crops, Nurseries	At the beginning of crop cycle	2 - 3 every 10 - 12 days	200 - 250 g/hL

Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions. Please consult the Technical Service for more details

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

PRODUCTS BASED ON

MESONUTRIENTS (Ca, Mg, S)

- **Prevent and cure disorders due to calcium and magnesium deficiencies**
- **Improves qualitative features of fruits and vegetables (firmness, crunchiness, etc.)**
- **Increases shelf-life**

CALCISAN

● **Calcium and magnesium complexed by aminoacids**

Properties: Calcium and magnesium are tied to an organic matrix by organometallic bonds thus forming true and proper chelated molecules as occurs in natural compounds. There is, therefore, a combined effect which sees the free amino acids able to increase cuticular penetration by stimulating both cell reproduction and calcium and magnesium absorption.

Analysis: Organic Nitrogen (N) 3%, Biological origin organic carbon (C) 10%, Calcium oxide (CaO)10% Magnesium oxide (MgO) 2%

Size: 5 L

Methods of application:

Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
FOLIAR		
2 - 3 L/ha	1,5 - 2 L/ha	150 - 250 mL/1000 m²
FERTIGATION		
10 - 25 L/ha	10 - 15 L/ha	1 - 2.5 L/1000 m²

NEOBIT NEW EC FERTILIZER

Properties: NEOBIT NEW is obtained through dissolution of high-purity calcium chloride and coformulants that improve its absorption and dispersal in the plant. Regular use of NEOBIT NEW ensures fruit and vegetables characterized by great firmness and shelf life.

Analysis:
Calcium oxide (CaO) 15%

Size: 20 L; 1000 L

Methods of application:

Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
FOLIAR		
4 - 5 L/ha	3 - 4 L/ha	250 - 300 mL/1000 m²
FERTIGATION		
15 - 30 L/ha	15 - 20 L/ha	2 - 3 L/1000 m²

IDROFLORAL Ca L EC FERTILIZER

Properties: IDROFLORAL Ca L is a fertilizer specially designed for applications by fertigation, both in the open field and in greenhouses, and in hydroponics. Its specific liquid formulation and the purity of its ingredients ensure ease of use and dosage and rapid absorption of the calcium and magnesium by roots, boron acts sinergically with calcium, improving the strenght and elasticity of plant tissues.

Analysis:
Total nitrogen (N) 8%, Nitric nitrogen (N) 8%, Calcium oxide (CaO) 12%, Magnesium oxide (MgO) 2%, Boron (B) 0.01%

Size: 20 L; 200 L

Methods of application:

Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
FOLIAR		
2 - 3 L/ha	1.5 - 2 L/ha	150 - 250 mL/1000 m²
FERTIGATION		
30 - 40 L/ha	15 - 20 L/ha	3 - 4 L/1000 m²

Idrofloral Ca L is used in combination with Actigem to promote bud breaking in stone fruit, table grape, kiwifruit (see Actigem sheet for more details)

Dosages are just for informational purposes and should be evaluated in relation to specific soil,climatic and agronomic conditions. Please consult the technical service for more details.

PRODUCTS BASED ON

MESONUTRIENTS (Ca, Mg, S)

- **Prevent and cure disorders due to calcium and magnesium deficiencies.**
- **Improves qualitative features of fruits and vegetables (firmness, crunchiness, etc.)**
- **Increases shelf-life.**

MAGNESIUM FAST EC FERTILIZER

Properties: MAGNESIUM FAST is a fertilizer designed for foliar applications, thanks to the exclusive production method, it's an extremely pure formula, able to enhance the magnesium biochemical functions in the plant. The presence of specific humectant and adhesive substances guarantees the homogenous and constant coverage of the leaves, improving the absorption of the nutritional element.

Analysis:

Magnesium oxide (MgO)	6%
Sulphur trioxide (SO_3)	12%

Size: 1 L; 5 L

Methods of application:

Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
FOLIAR		
2 - 4 L/ha	1 - 3 L/ha	100 - 300 mL/1000 m²

MAGNESIO ATTIVATO EC FERTILIZER

- **Enriched with copper, manganese and zinc**

Properties: MAGNESIO ATTIVATO is a soluble powder formulation with a high magnesium content, the formula is enriched with trace elements that effectively prevent and cure micronutritional deficiencies or imbalances and, at the same time, stimulate photosynthesis by acting as catalysts.

Analysis:

Magnesium oxide (MgO)	15%
Sulphur trioxide (SO_3)	31%
Copper (Cu)	0.05%
Manganese (Mn)	0.5%
Zinc (Zn)	0.1%

Size: 10 kg

Methods of application:

Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
FOLIAR		
5 - 6 kg/ha	4 - 5 kg/ha	300 - 400 gr/1000 m²
FERTIGATION		
15 - 30 kg/ha	10 - 20 kg/ha	1.5 - 3 kg/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

Products based on single microelements

PRODUCTS BASED ON MICRONUTRIENTS

- High concentration and purity
- Presence of humectant and adhesive substances
- Fast uptake and transferring into vegetal tissues

BORFAST EC FERTILIZER - Boron Ethanolamine - Prevents and cures physiopathies due to boron deficiency

Analysis: Boron (B) 11%
Size: 1 L; 5 L

DOSAGES / FOLIAR		
Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
1 L/ha	1 L/ha	50 - 100 mL/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

UNIBOR PIÙ EC FERTILIZER - Sodium borate - Prevents and cures physiopathies due to boron deficiency

Analysis: Boron (B) 20,5%
Size: 10 kg (two 5 kg bags)

DOSAGES / FOLIAR		
Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
1.5-2 kg/ha	1.5-2 kg/ha	100-150 gr/hL

AUTHORISED IN ORGANIC AGRICULTURE

MANGANESE FAST EC FERTILIZER - Prevents and cures physiopathies due to manganese deficiency

Analysis: Manganese (Mn) 13.3%
Size: 1 L; 5 L

DOSAGES / FOLIAR		
Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
1 L/ha	1 L/ha	50-100 mL/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

ZINCFAST EC FERTILIZER - Prevents and cures physiopathies due to zinc deficiency

Analysis: Zinc (Zn) 10%
Size: 1 L

DOSAGES / FOLIAR		
Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
1 L/ha	1 L/ha	50 - 100 mL/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

COPPER FAST EC FERTILIZER - Prevents and cures physiopathies due to copper deficiency

Analysis: EDTA chelated Copper (Cu) 7.5%
Size: 1 L

DOSAGES / FOLIAR		
Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
500 mL/ha	500 mL/ha	30 - 50 mL/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

MOLYBDENUM FAST EC FERTILIZER - Prevents and cures physiopathies due to molybdenum deficiency

Analysis: Molybdenum (Mo) 5,4%
Size: 1 L

DOSAGES / FOLIAR		
Fruit trees, wine and table grape	Vegetable and Industrial crop (open field)	Greenhouse crops
500 mL/ha	500 mL/ha	30 - 50 mL/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

Dosages are just for informational purposes and should be evaluated in relation to specific soil,climatic and agronomic conditions. Please consult the technical service for more details.

PRODUCTS BASED ON MICRONUTRIENTS

MIKROM

● **With chelate micro-nutrients**

Properties: MIKROM supplies the plants with magnesium and all the main microelements (iron, manganese, zinc, copper, boron and molybdenum). The formulation is characterized by the high solubility and pureness of its ingredients to ensure ease of use and maximum efficacy, and its form chelated by EDTA ensures fast absorption and rapid cure of the deficiencies.

Analysis:

Boron (B)	0.5%
EDTA chelated Copper (Cu)	0.5%
EDTA chelated Iron (Fe)	4%
EDTA chelated Manganese (Mn)	4%
Molybdenum (Mo)	0.2%
EDTA chelated Zinc (Zn)	1%
Magnesium oxide (MgO)	3%
Sulphur trioxide (SO_3)	6%

Size: 1 kg

Methods of application:

DOSAGES - FOLIAR		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
1 kg/ha	0,5 - 1 kg/ha	50 - 100 gr/1000 m²

DOSAGES - FERTIGATION		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
5 - 10 kg/ha	5 - 10 kg/ha	0,5 - 1 kg/1000 m²

ELEMIN

● **Liquid formulation**

Properties: ELEMIN has a physiologically acid pH and is able to protect and transfer the chelating agent, making totally assimilable both through foliar and soil treatment (fertigation and hydroponics).

Analysis:

Boron (B)	0.4%
EDTA chelated Copper (Cu)	0.2%
EDTA chelated Iron (Fe)	0,6%
EDTA chelated Manganese (Mn)	0.1%
Molybdenum (Mo)	0.2%
EDTA chelated Zinc (Zn)	0.1%

Size: 5 L

Methods of application:

DOSAGES - FOLIAR		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
1.5 - 2.5 L/ha	1 - 1.5 L/ha	100 - 150 mL/1000 m²

DOSAGES - FERTIGATION		
Fruit trees, wine and table grape	**Vegetable and Industrial crop (open field)**	**Greenhouse crops**
10 - 15 L/ha	10 - 15 L/ha	1 - 1.5 L/1000 m²

AUTHORISED IN ORGANIC AGRICULTURE

NPK FOLIAR FERTILIZERS + MICRONUTRIENTS

Ionifoss

Innovative technology for quality yields

- To enhance natural defences of plants
- High assimilation and nourishing efficacy
- To improve development and performances of root apparatus
- To increase color, taste and shelf life in vegetables and fruit

www.cifo.it - export@cifo.it

Company with Integrated Management System
UNI EN ISO 9001:08; UNI EN ISO 14001:04;
BS OHSAS 18001:07
Certified by CERTIQUALITY

cifo since 1965

For sustainable agriculture

EC Fertilizers

FLORAL

FLORAL is a range of foliar fertilizers obtained by selecting raw materials with high quality and purity, to reach a fast and complete solubilization and a low salinity solution. The formulations moreover contain adhesive agents and carriers which improve the foliar uptake and the transfer into vegetal tissues. FLORAL complement the traditional fertilization by roots and have a positive synergic action when distributed in combination with Cifo specialties.

● High purity and solubility. ● Complete and fast absorption by foliar. ● For all crops and nutritional needs.

FLORAL N

Properties: Indicated during first **vegetative phases**, to support sprouting and vegetative growth, and preparing plants to flowering and fruit set.

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
2	2	26	**30**	**12**	**8**	-	-	0.1	0.05	-	0.1	-	0.1	5 ± 0.5

Size: 2.5 kg

FLORAL P

Properties: Favours the roots growth of seedlings **after transplanting/emergence.** Before flowering, supports the fruit set and anticipates the ripening process.

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	SO_3	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
-	11	-	**11**	**30**	**11**	22	-	0.1	0.05	-	0.1	-	0.1	4.7 ± 0.5

Size: 2.5 kg

*** 1% solution**

FLORAL

FLORAL K

Properties: Indicated for **final phases** to improve qualitative features (colour, sugar, flavours) and after harvest to nourish storage organs and increase the resistance to cold temperatures

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
10	2	-	**12**	**5**	**35**	-	-	0.1	0.1	-	0.1	-	0.1	4.7 ± 0.5

Size: 2,5 kg

FLORAL 20-20-20

Properties: Advised for all type of crops at any phenological phase of crop cycle. It's, however, **particularly indicated after flowering** to favour fruit and vegetable size.

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	SO_3	MgO	B	Cu EDTA	Fe DTPA	Mn EDTA	Mo	Zn EDTA	pH*
5.5	8	6.5	**20**	**20**	**20**	-	-	0.05	0.01	0.2	0.1	0.005	0.1	8.2 ± 0.5

Size: 2,5 kg

*** 1% solution**

	Fruit trees, wine and table grape, vegetable and industrial open field crops		Greenhouse vegetable and flower crops	
	Phenological phase	**Dosage**	**Phenological phase**	**Dosage**
FLORAL N	After sprouting and during leaves/shoots development, 2 - 3 applications every 10 - 12 days	2,5 - 3 kg/ha	After transplanting or during the whole crop cycle, 2 - 3 applications every 10 - 12 days	150 - 250 g/hL
FLORAL P	During leaves/shoots development up to pre-flowering, 2 - 3 applications every 10 - 12 days	2,5 - 3 kg/ha	During first vegetative phases up to pre-flowering, 2 - 3 applications every 10 - 12 days	150 - 250 g/hL
FLORAL 20-20-20	After fruit setting or during the whole crop cycle, 3 - 4 applications every 10 - 12 days	2,5 - 3 kg/ha	After fruit setting or during the whole crop cycle, 3 - 4 applications every 10 - 12 days	150 - 250 g/hL
FLORAL K	During fruit growth up to pre-harvest, 3 - 4 applications every 10 - 12 days	2,5 - 3 kg/ha	During fruit growth up to final phases of crop cycle, 3 - 4 applications every 10 - 12 days	150 - 250 g/hL

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions. Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

NPK FOLIAR FERTILIZERS + MICRONUTRIENTS

EC Fertilizer

METIL-B

- **Nourishes undifferentiated buds**
- **Improves fruits setting**

Properties: METIL-B is an innovative foliar fertilizer, **based on slow-release Nitrogen and Boron**, which is specific for applications during the stages of maximum vegetative growth and for post-harvest treatments in fruit trees.
Thanks to the high content of Nitrogen and to the presence of **slow release polymeric compounds**, METIL-B firmly supplies the plant with the right type of nourishment suitable during the stages of its maximum development.
In this way the photosynthetic activity, the protein synthesis, **the formation of new buds and roots are promoted.**
The methylene urea molecule, that has a high adhesive and nutrient translocation capacity inside the plant, is gradually degraded and makes nitrogen available avoiding losses due to washing-out.
METIL-B is enriched with Boron **to promote pollination and the formation of growing buds and fruits.**

Analysis:

Total Nitrogen (N)	18%
Ureic Nitrogen (N)	7.5%
Nitrogen (N) from Urea-formaldehyde	10.5%
Boron (B)	3.9%

Size: 10 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, wine and table grape	Before flowering	1 - 2 every 10 - 12 days	2.5 - 5 L/ha
	After harvest	1 application	4 - 5 L/ha
Vegetable and industrial crops	From first true leaves	2 - 3 every 10 - 12 days	2.5 - 5 L/ha
Ornamental and flower crops, Nurseries	From post-transplanting	2 - 3 every 10 - 12 days	200 - 250 mL/hL

METIL B can be used by fertigation at the dosage of 20-40 L/ha
Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

N.S.Z. 26

Long-lasting nitrogen

Properties: N.S.Z. 26 is a liquid formulation specially designed to provide crops with Nitrogen in a form that is totally assimilable by the plants, through application to the leaves and soil, and fertigation.
N.S.Z. 26 is obtained by blending several nitrogenous molecules with a high degree of purity, to ensure a constant, long-term nourishing action.
In fact, it contains ingredients that are able to slow down nitrification process and inhibit urease activity.
The presence of sulphur in the product, helps to acidify the soil, creates an ideal microenvironment for the absorption of the microelements by the roots and stimulates the formation of sulphured amino acids, improving the yield of the crops.
The formulation also contains Zinc to stimulate the meristematic development of buds and roots.

Analysis:

Total nitrogen (N)	26%
Nitric nitrogen (N)	6%
Ammoniacal nitrogen (N)	8%
Ureic nitrogen (N)	12%
Sulphur trioxide (SO_3)	13%
Zinc (Zn)	0.01%

Size: 20 L; 200 L; 1000 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, wine and table grape	During leaves/shoots development up to pre-flowering	2 - 3 every 10 - 12 days	2.5 - 5 L/ha
Vegetable and industrial crops	From first true leaves	2 - 3 every 10 - 12 days	2.5 - 5 L/ha
Cereals			
Wheat, barley, etc.	Before flowering	1 - 2 applications	10 - 15 L/ha
Corn*	Before flowering	1 - 2 applications	8 - 10 L/ha (use at least 400 L water)
Ornamental and flower crops, Nurseries	From post-transplanting	2 - 3 every 10 - 12 days	200 - 250 mL/hL

N.S.Z. 26 can be used by fertigation at the dosage of 30 - 60 L/ha
Dosages are calculated for normal water distribution volumes.
(*) It is advisible to avoid to apply at hottest hours during day.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils, emulsions, Phosetil-Al, and products based on calcium. A simple mixture test to check compatibility is advisable.

NPK FOLIAR FERTILIZERS + MICRONUTRIENTS

EC Fertilizer

FOXTER 520

- **Improves the "Starter effect"**

Properties: FOXTER 520 is a formulation specially designed to provide crops with nitrogen and phosphorus in a perfectly assimilable form, to stimulate rooting, germination and vegetal growth (starter effect). The distribution of FOXTER 520 localized along the sowing/transplanting row, produces the following advantages:

- STARTER EFFECT and support to the growth of more effective absorbing roots thanks to the presence of new formulants and raw materials which are stable also at very low temperatures
- Specific microelements such as zinc and manganese, very important for first development stages
- Easy distribution thanks to the liquid formulation and low doses
- Thanks to its subacid pH, FOXTER 520 creates an optimal habitat around roots and seeds enhancing in this way the absorption of the nutritive elements.

Analysis:

Total Nitrogen (N)	5%
Ammoniacal nitrogen (N)	5%
Phosphorus pentoxide (P_2O_5)	20%
EDTA chelated Manganese (Mn)	0.1%
EDTA chelated Zinc (Zn)	0.01%

Size: 20 L; 200 L; 1000 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, wine and table grape	After sprouting up to pre-flowering	2 - 3 every 10 - 12 days	2 - 3 L/ha
Vegetable and industrial crops	Post-transplanting	1 - 2 every 10 - 12 days	10 - 15 L/ha
Cereals (wheat, corn, etc.)	Before sowing/emergence		60 - 70 L/ha
	Localized on the row during the sowing stage		25 - 30 L/ha (corn) 50 - 60 L/ha (wheat)
Ornamental and flower crops, Nurseries	From post-transplanting	2 - 3 every 10 - 12 days	150 - 200 mL/hL

FOXTER 520 can be used by fertigation at the dosage of 30-60 lt/ha
Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils, emulsions, Phosetil-Al, and products based on calcium. A simple mixture test to check compatibility is advisable.

CIFO KS 64

- **Enhances qualitative features (colour, taste, flavours).**

Properties: CIFO KS 64 is a formula especially created to provide cultivations with POTASSIUM and SULPHUR, in a totally assimilable shape. The innovative formula, thanks to the physiologically acid reaction and the presence of specific carriers with a complexing-protective action is characterised by an extraordinary absorption and translocation capability both on a leaf and root level.
CIFO KS 64 is enriched with L-Proline, a natural amino acid particularly indicated to fight hydrosaline stresses; it also promotes fruit and vegetables colouring during the cycle final stages. Under the agronomic profile, CIFO KS 64 allows to: Improve the quality of the final production: sugars content, colour, pulp consistency, smells and aromatic substances; Obtain plants more robust and resistant to environmental and physiological stresses.

Analysis:

Potassium oxide (K_2O)	24%
Sulphuric dioxide (SO_3)	40%
Sulphuric dioxide (S_2O_3)	40%

Size: 20 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees, wine and table grape	From fruit colouring	2 - 3 every 10 - 12 days	2 - 3 L/ha
Vegetable and industrial crops	From central phases	1 - 2 every 10 - 12 days	4 - 5 L/ha
Ornamental, turfs and Nurseries	Central phases and before the winter stasis	2 - 3 every 10 - 12 days	200 - 250 mL/hL

Do not apply on flower crops when petals are visible.
CIFO KS 64 can be used by fertigation at the dosage of 20-40 L/ha.
Dosages are calculated for normal water distribution volumes.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

IDROFLORAL PLUS

Sinergon 2000

Full development, excellent results

- A concentrate of energy to intensify quality and yields
- Anti stress action
- Improves the efficacy of associated products

www.cifo.it - export@cifo.it

Company with Integrated Management System
UNI EN ISO 9001:08; UNI EN ISO 14001:04;
BS OHSAS 18001:07
Certified by CERTIQUALITY

cifo
since 1965

For sustainable agriculture

IDROFLORAL PLUS

- Extremely pure and soluble
- Contain magnesium and micronutrients chelated by EDTA
- Comprehensive of formulations with calcium
- Acid reaction

IDROFLORAL PLUS 14.22.11 + 8 CaO Supply NPK + Calcium

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
4.4	4.1	5.5	14	22	11	8	-	0.01	0.01	0.02	0.01	0.005	0.01	3.7 ± 0.5

Size: 25 kg

IDROFLORAL PLUS 14.11.22 + 8 CaO Supply NPK + Calcium

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
6	1.4	6.6	14	11	22	8	-	0.01	0.01	0.02	0.01	0.005	0.01	3.4 ± 0.5

Size: 25 kg

IDROFLORAL PLUS 21.7.14 + 3 MgO Promote vegetative development

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
2	5.8	13.2	21	7	14	-	3	0.01	0.01	0.02	0.01	0.005	0.01	3.8 ± 0.5

Size: 25 kg

IDROFLORAL PLUS 18.6.18 + 3 MgO Promote vegetative development

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
9.4	8.6	-	18	6	18	-	3	0.01	0.01	0.02	0.01	0.005	0.01	4.1 ± 0.5

Size: 25 kg

IDROFLORAL PLUS 13.40.13 Promote rooting and flowering

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
4.1	8.9	-	13	40	13	-	-	0.01	0.01	0.02	0.01	0.005	0.01	4.7 ± 0.5

Size: 25 kg

* 1% solution

IDROFLORAL PLUS

IDROFLORAL PLUS 15.30.15 + 2 MgO Promote rooting and flowering

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
3.5	5.9	5.6	**15**	**30**	**15**	-	2	0.01	0.01	0.02	0.01	0.005	0.01	4.6 ± 0.5

Size: 25 kg

IDROFLORAL PLUS 20.20.20 Stimulate fruit enlargement

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
4	3	13	**20**	**20**	**20**	-	-	0.01	0.01	0.02	0.01	0.005	0.01	3.7 ± 0.5

Size: 25 kg

IDROFLORAL PLUS 15.5.30 + 3 MgO Promote fruit ripening

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
3.5	1.9	9.6	**15**	**5**	**30**	-	3	0.01	0.01	0.02	0.01	0.005	0.01	3.7 ± 0.5

Size: 25 kg

IDROFLORAL PLUS 8.20.30 Promote fruit ripening

Analysis:

N nitric	N amm.	N ureic	N total	P_2O_5	K_2O	CaO	MgO	B	Cu EDTA	Fe EDTA	Mn EDTA	Mo	Zn EDTA	pH*
1	3.9	3.1	**8**	**20**	**30**	-	-	0.01	0.01	0.02	0.01	0.005	0.01	3.4 ± 0.5

Size: 25 kg

*** 1% solution**

Methods of application: FERTIGATION

CROP	DOSAGE
Fruit trees, industrial and open field vegetable crops	50 - 150 kg/ha each application (every 10 days)
Greenhouse vegetable crops	5 - 15 kg/1000 m^2 each application (every 10 days)

Number of applications and dosages vary according to crop requirements, growth stage and soil characteristics.
Do not exceed 3‰ concentrations.
Dosages are just for informational purposes and should be evaluated in relation to specific soil, climatic and agronomic conditions. Please consult the technical service for more details.

VARIOUS PRODUCTS

Cet 46 Green

Bio Activator of fruit ripening and coloring

- **New formula**
- To Promote uniformity of ripening
- To Increase fruit coloring
- To improve sugar content

www.cifo.it - export@cifo.it

Company with Integrated Management System
UNI EN ISO 9001:08; UNI EN ISO 14001:04;
BS OHSAS 18001:07
Certified by CERTIQUALITY

since 1965

For sustainable agriculture

VARIOUS PRODUCT

Activator of treatments

CIFOVIR 1

Improves the effectiveness of leaf treatments with 4 actions:

- **Acidifier with colour indicator**
- **Emulsifier**
- **Surfactant**
- **Fertilizer**

Properties: CIFOVIR 1 is a formulation specially designed to improve the efficacy of the solutions normally used in agriculture. Due to its specific composition, CIFOVIR 1 guarantees 5 major types of action: Acidifier, Colour indicator, Emulsifier, Surfactant and Nutriment. CIFOVIR 1 acidifies the water used to prepare the mixtures to be distributed onto the leaves and improves the solubilization and homogenisation of the formulations to be used, increasing their adhesion and passage into the leaves, carrying out at the same time a nourishing and energetic action. The acidification of the water to optimal pH values prevents alkaline hydrolysis and the reduction in efficacy of the formulations to be used in the mixture.

Dose and instructions: The doses vary according to the pH and bicarbonate content of the starting water, for this reason, CIFOVIR 1 is easy to use because the optimum dose is indicated by the water TURNING RED.
To change the pH of the water from 8.0 to 6.5, use 90-120 g of CIFOVIR 1 every 100 litres of water.

We reccommend the following use: fill the atomizer two-thirds full with water, add 60 g/hl of Cifovir 1, check the colour of the water (NB: yellow (pH ≥ 6.0), orange (sub-acidic pH 6.0-5.5), red (acidic pH ≤ 5.5), continue adding Cifovir 1 until the solution starts to turn a shade of red. At this point add the formulations to be used in the mixture with the rest of the water.
NB: colouring can change intensity depending on the different types of waters.

Analysis:
Total nitrogen (N) 3%, Ureic nitrogen (N) 3%, Water-soluble phosphorus pentoxide (P_2O_5) 17%

Size: 1 kg; 10 kg

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the Technical Service for more details.

PULIFOL N.F.

- **Cleans leaves and sprouts from the honeydew produced by insects.**
- **Improves growth of leaves.**
- **Supplies nitrogen and promotes the photosynthesis process.**

Components: Nitrogen, Amino Acids, Peptides, uptake Bio-promoters

Properties: PULIFOL N.F. is a specialty, in liquid formulation, specifically developed to clean thoroughly leaves, buds and sprouts from the honeydew produced by insects.
The formula contain **specific organic active principles which break down sugary substances secreted by insects** such as pear's psylla, aphids and other type of stinging-sucking insects.
Cleaning of aerial organs increases the insecticides efficacy and **prevents the formation of sooty mold.**
The presence of **biostimulants aminoacids** and organic nitrogen in PULIFOL N.F. **allows a quick plant's recovery from the phytosanitary stress**, promotes the photosynthesis process and the new vegetal tissues growth.

Analysis:

Total Nitrogen (N)	15%
Organic Nitrogen (N)	1%
Ureic Nitrogen (N)	14%
Biological origin organic carbon (C)	3%

Size: 10 L

Methods of application: FOLIAR

Crop	Phenological phase	Number of applications	Dosage
Fruit trees	At the first sign of honeydew's presence on vegetal organs	1 - 2 every 7 - 10 days	6 L/ha
Wine and table grape, Actinidia		1 - 2 every 7 - 10 days	4 L/ha
Vegetable and industrial crops		1 - 2 every 7 - 10 days	4 L/ha
Ornamental and flower crops, Nurseries		1 - 2 every 7 - 10 days	200-300 mL/hL

Advised water volumes per hectare: 15 hL for Fruit trees, 10 hL for all other crops.

Dosages are just indicatives and should be evaluated in relation to specific soil, climatic and agronomic conditions.
Please consult the technical service for more details.

Compatibility: The product can be mixed with all common formulations, except with mineral oils and emulsions. A simple mixture test to check compatibility is advisable.

PRODUCT ALFABETICAL INDEX

WARNINGS

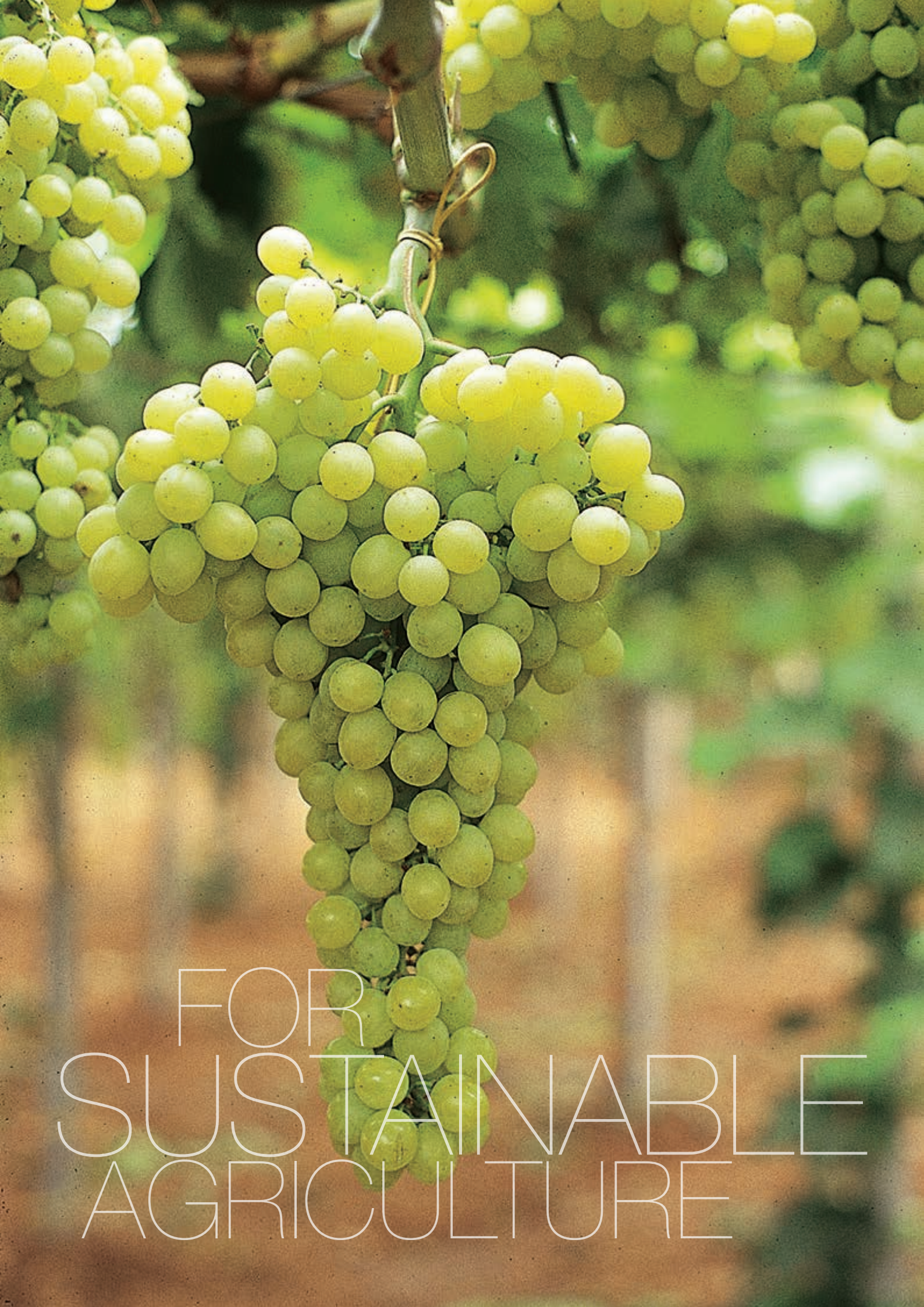
CIFO formulations are mixable at the usage dose with all CIFO products and with parasiticides in general, except for white oils, oilbased insecticides, PHOSETYL-AL and 1-DODECYLGUANIDIUM ACETATE (DODINE) and TRIFORINES.
CIFO formulations containing aminoacids and humic extracts should not be mixed with copperbased products.

The doses for foliar treatments refer to volumes of water equal to 10 hL/ha for fruit trees and vegetables and to 4/5 hL/ha for extensive crops. Leaf applications should be carried out during the coolest hours of the day.

Fertigation: to get the best possible results, carry out first cycle only with water and then add the fertilizers to irrigation water. Also for the last cycle use only water to clean the equipment.

The information provided in the catalogue is merely indicative, always follow the instructions given on the labels of the specific products. CIFO reserve the right to modify the composition and methods of applying the formulations, to adapt them to research and methodological developments.

While guaranteeing the quality of their products, CIFO declines all liability for any damage or partial lack of success resulting from incorrect application of the product or failure to follow the istructions provided on the label or authorized by the Health Ministry.


FOR
SUSTAINABLE
AGRICULTURE

since 1965

Via Oradour, 6/8
40016 San Giorgio di Piano, Bologna, Italy
Tel. +39 051 665 55 11 - Fax +39 051 665 04 53
www.cifo.it - export@cifo.it

BB