



**PRODUCT
CATALOGUE**



SPECIAL FERTILIZERS FOR ORGANIC AND INTEGRATED AGRICULTURE

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PRODUCT
LIST

PRESENCE IN
MORE THAN
20 COUNTRIES
WORLDWIDE

ABOUT AGRIGES

Agriges has been producing and marketing special fertilizers for organic and integrated farming since 1988 and relies on 5 production plants based in Italy, precisely in San Salvatore Telesino (BN), where all phases of the production cycle are carried out and constantly monitored: from the acquisition of raw materials up to the packaging of the finished product, which is distributed all over the world.

Agriges is present in over 20 countries between Europe, Africa, Asia and South America, thanks to its various branches abroad (Agriges Ibérica, Agriges Bolivia, Agriges Maroc) as well as through a network of distributors and specialised technicians, who contribute day by day to consolidate Agriges' image worldwide.

IBERICA 

BOLIVIA 

MAROC 



FOR MODERN
AND
SUSTAINABLE
FARMING

MISSION
AND KEY
VALUES

Agriges' mission is to provide solutions for modern and sustainable farming aimed at meeting both farmers' and consumers' needs, with the utmost attention for the protection of the environment and for worker safety.

1. Man as the company's focus

The commitment to actively respect the Rights of the Person and the Worker, as well as the affirmation of shared values within and outside the company, in implementation of the UN Principles on Business and Human Rights.

2. Environment

The selection of raw materials and the introduction of innovative and environmentally friendly production technologies, capable of maximising the efficiency of agricultural crops and meeting consumer demands while guaranteeing sustainable farming.

AT THE SERVICE OF MARKET DEMANDS



ATTENTION TO QUALITY

Agriges designs its products with extreme care, starting from the research and selection of raw materials. The company, in fact, constantly monitors both raw materials and finished products, guaranteeing full traceability as for the entire production process. Particular attention is paid to ensure the absence of any contaminants such as perchlorates, chlorocresol, heavy metals, nitrates, antibiotics, and unwanted residues in fruit and vegetables.

In order to ensure high quality and effective formulations, Agriges boasts three important System Certifications.

Quality (UNI EN ISO 9001:2015): every production, organisational and decision-making process is planned, controlled and traced. **Environment** (UNI EN ISO 14001:2015): every activity is planned with the aim of safeguarding the environment. **Safety** (UNI EN ISO 45001:2018): every process is followed to safeguard health and safety at work.

Working in Italy and abroad, Agriges had to obtain more certifications. In fact, some Agriges products can be used in contexts of certified organic agriculture with the certification bodies SOHISCERT and CAAE, valid throughout Europe.



Certified company
ISO 9001
ISO 14001
ISO 450001



Insumo para
la agricultura
ecológica



DEVELOPMENT OF SAFE AND SUSTAINABLE PRODUCTS



RESEARCH

Research is definitely the aspect on which company policy has its focus, a necessary way to develop safe and sustainable products, capable of maximising the results of agricultural production. That is why Agriges has two in-house laboratories and a team of field experimenters: the Agriges Field Technical Service (FTS).

Research labs

The company has two in-house laboratories: one chemical for quality control, and one microbiological which is responsible for ascertaining the healthiness of raw materials and finished products, as well as for developing new formulations and implementing the existing ones. All Agriges products are born with the rigour of scientific investigation, respecting the environment and the operator, and are intended to be a practical answer to specific field issues.

THE CHALLENGES OF THE FUTURE AND AGRIGES' COMMITMENT

THE GREEN PATH PROJECT

Agriges' challenge is to provide technical means that allow achieving abundant yields, sustainable from an environmental point of view and at the same time safe from a nutritional point of view. This is the very core of the Green Path project: producing more and producing healthily. The project involves Agriges' collaboration with research institutes, experimental centres, universities, cooperatives and farms with the aim of developing products in such a way as to maximise crops, thereby reducing the use of potentially polluting chemicals.



FTS is the organisation of Agronomists and professional experts that supports the company's sales network and tests products in collaboration with the Agriges laboratories, Italian and foreign universities, institutions, local associations and farms. FTS' task is to identify a field issue or need and to conduct tests of functionality and repeatability of Agriges' new formulations, implementing their development on all crops of agricultural interest.



RAW MATERIALS OF NATURAL ORIGIN



BIOACTIVATORS LINE

- . ACTYMAR GB
- . ASKO L 50
- . AZOPLASM AND AZOPLASM BIO
- . K-BIO
- . LIETA-VEG
- . LYON 56 WG
- . MARAL LINE
- . MARAL NPK
- . MARAL S LQ
- . MARAL ZN/MN
- . MATUREL TOP
- . MICROFOOD
- . PIXEL
- . POST R
- . PROMOFRUIT BZ
- . RYZERRE 10 SB
- . RYZORAL FLOW
- . SCATTO
- . SYFAST G 15
- . TPA 2000
- . WET-LEAF

Agriges Bioactivators Line includes a wide range of products based on selected raw materials of natural origin, designed to ensure **high quality and quantity standards** of yields, in full respect of the environment. Agriges Bioactivators stimulate the plant's natural processes in a targeted way, improve nutrient absorption and their effectiveness thanks to the synergy between the plant matrices and the exclusive technologies Made in Agriges, studied and developed to maximise the efficiency of the formulations while taking into utmost consideration the sustainability of resources.

- Increases the mobility and availability of soil nutrients
- Reactivates the vitality of the useful microflora
- Promote a quick recovery from physiological and environmental stress factors

Description Renewed viability, intense development and greater resistance to stress are just some of the effects of Actymar GB, a bioactivator that ensures a rapid activation of cellular metabolism through a mixture of important organic molecules such as: free amino acids, glycine, betaine, proline, methionine, etc. Their synergistic action improves growth, photosynthesis, root development, branching, shelf life of fruits, and resistance to harmful agents. Furthermore, Actymar GB increases the mobility of soil macro and micronutrients, energetically activating the telluric microflora, which contributes directly to plant wellbeing and crop productivity.


Composition	Value	Value	Value
Total Nitrogen (N)	13.0 %	Water-soluble Potassium Oxide (K ₂ O)	5.0 %
Organic Nitrogen (N)	0.5 %	Organic Carbon (C) of biologic origin	6.0 %
Ureic Nitrogen (N)	12.5 %		

Doses and administration	Crop	Application in fertigation	Dose l/ha
	Tree crops	From vegetative resumption until fruit swelling	10-20
	Horticultural crops	Post-transplanting and during development	10-20
	Industrial crops	From the early phases and during development	10-20
	Ornamental crops	From the early phases and during development	10-20

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on small surfaces. Avoid mixing with products with acidic pH, mineral oils, calcium nitrate and copper-based products. In case of foliar applications, the suggested dosage is 250 ml/hl.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 11.0	approx. 12.0 dS/m	 In fertigation

- Improves nutrients use efficiency
- Stimulates fruit growth and fruit swelling
- Increases tolerance to abiotic stress

Description Asko L 50 is biostimulant derived from the brown alga *Ascophyllum nodosum* that improves plant nutrients use efficiency, tolerance to abiotic stress and, in general, the qualitative characteristics of crops. Asko L 50 is a natural concentrate of organic compounds such as betaines, polyamines, auxins and natural cytokinins, which induce a positive effect on yields both in qualitative and quantitative terms. In fact, Asko L 50 promotes flowering and fruit setting and delays cellular ageing while increasing the amount of nutrients absorbed by the plant. As a result, Asko L 50 determines an increase in yield, greater efficiency in the use of water and a reduction in production costs. Finally, the product stimulates the production of phytoalexins, compounds that improve resistance responses to harmful agents.

Composition	Value	Value	Value
Organic Carbon (C)	5.5 %	Seaweed cream with a high concentration of <i>Ascophyllum nodosum</i> (brown seaweed) *	
Mannitol	18 g/l		

* Data not shown on the label.



Doses and administration	Crop	Foliar application	Dose ml/hl
	Tree crops	From vegetative resumption until fruit swelling	150-250
	Horticultural crops	Throughout the entire vegetative cycle	150-250
	Industrial crops	Throughout the entire vegetative cycle	150-250
	Ornamental crops	Throughout the entire vegetative cycle	150-250

Application in fertigation	Dose l/ha
All the crops	Throughout the entire vegetative cycle
	2-3

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of combination with other products, it is always advisable to carry out preliminary miscibility and compatibility tests. Avoid mixing with products with an alkaline reaction and/or with a strong acid reaction. The association with copper-based products on all crops is not recommended, except for olive tree, grapevine and artichoke. In a protected environment and in the case of mixtures, reduce the doses by 20-30%. **Asko L 50 is a biostimulant, as required by Legislative Decree No. 75/2010.**



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 12.5	approx. 23.2 dS/m	 Foliar application  In fertigation

 Allowed in Organic Farming



Producing more,
producing healthy

Azoplasm and Azoplasm Bio

Bioactivators Line

K-Bio

Bioactivators Line

- Stimulates metabolism, increasing the production of energy substances

- Rich in free amino acids with low molecular weight with L-levogyrous configuration

- Improves the final Brix degree
- Combines the chelating and stimulating action of amino acids and polysaccharides
- Supports production by intensifying photosynthesis

Azoplasm is an organo-mineral fertilizer enriched with micronutrients with a phytostimulant activity, result of the simultaneous presence of two different nitrogenous forms (i.e. ureic and organic). The organic fraction stabilizes soil insoluble fractions, protecting nutrients from leaks due to leaching.

Azoplasm Bio is an organic fertilizer rich in natural enzymes, micronutrients, proteins, amino acids, betaine and free low molecular weight amino acids with a levogyrous configuration readily assimilable and by the rapid greening of plants. Azoplasm Bio has beneficial effects on the metabolic functions of the plant such as protein synthesis and photosynthesis.

K-Bio is an ideal product to enrich the final production in sugars and organoleptic compounds, as well as increasing its quantity. In fact, K-Bio intensifies the photosynthetic process and the nutrient absorption, distributing the nutrient compounds in fruits and growth organs. The product is characterized by a rich composition of free amino acids with a guaranteed result. Finally, K-Bio combines the chelating and stimulating action of amino acids and polysaccharides, plus vitamins and betaines, which are such as to sustain the strong energy demand of the plant to be able to produce.

Composition

Total Nitrogen (N)	13.0 %	Total Iron (Fe)	0.5 %
Organic Nitrogen (N)	2.0 %	Total Zinc (Zn)	0.5 %
Ureic Nitrogen (N)	11.0 %	Organic Carbon (C)	7.0 %

Composition

Total Nitrogen (N)	5.0 %	Organic Carbon (C)	20.0 %
Organic Nitrogen (N)	5.0 %	of biologic origin	

Composition

Total Nitrogen (N)	3.0 %	Water-soluble Potassium Oxide (K ₂ O)	12.0 %
Organic Nitrogen (N)	3.0 %	Organic Carbon (C) of biologic origin	8.0 %

Crop	Foliar application	Dose
Tree, Horticultural	2-3 applications during the cycle	150-200 ml/hl
Industrial crops	From the early phases and during the cycle	10-15 l/ha
Cereals	Upon shoot emergence	10- 20 l/ha

Crop	Foliar application	Dose l/ha
Cereals	During tillering or shoot emergence	10- 20

Doses and administration

Crop	Foliar application	Dose ml/hl
Tree crops	From veraison until pre-harvest	120-200
Horticultural crops	From veraison until pre-harvest	120-200
Industrial crops	From veraison until pre-harvest	120-200
Ornamental crops	During the growth phases	120-200

Crop	Application in fertigation	Dose l/ha
Tree, Horticultural	Throughout the entire cycle	10-20
Ornamentals crops	Throughout the entire cycle	10-20

Crop	Application in fertigation	Dose l/ha
Tree, Horticultural	Throughout the entire cycle	15-25
Ornamental crops	Throughout the entire cycle	15-25

Crop	Application in fertigation	Dose l/ha
All the crops	Throughout the entire cycle	3-5

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

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Warnings

In case of combination with other products, it is always advisable to carry out preliminary miscibility and compatibility tests. Avoid mixing with copper-based products, mineral oils, calcium nitrate and directly with acid reaction products. If mixed with systemic products, reduce and check the dosage.

Warnings

In case of combination with other products, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Avoid mixing with copper-based products and directly with acid reaction products. When mixed with systemic products, reduce and check the dosage. In case of foliar application, on cereal crops mixed with other formulations, check compatibility on a limited number of plants and reduce the dosage up to 1/10.

Warnings

In case of mixtures, it is advisable to carry out preliminary tests on small surfaces and on a limited number of plants, verifying and reducing the dosages for sensitive crops not expressly indicated. Do not associate with copper-based products. In protected environments (e.g. greenhouses, tunnels, etc.) check and reduce the dosage.



Formulation

Soluble liquid

pH

approx. 5.9

Packages

1 - 5 - 10 - 20 - 200 - 1000
Bottle, jerrycan, drum, cistern

Conductivity

approx. 11.5 dS/m



Formulation

Soluble liquid

pH

approx. 6.8



Packages

10 - 20 - 200 - 1000 l
Jerrycan, drum, cistern

Conductivity

approx. 23.2 dS/m



Formulation

Soluble liquid

Packages

1 - 5 - 10 - 20 l
Bottle, jerrycan

pH

approx. 6.5

Conductivity

approx. 33.7 dS/m

Technical notes



Producing more,
producing healthy

- Increases soil fertility in the long term
- Reduces transplanting-related stress and increases plant natural defences
- Improves the quality and uniformity of productions

Description Lieta-Veg is a product of 100% plant origin developed with the aim of renewing soil fertility in the long term. The product contains plant extracts, yeasts and is enriched with two exclusive Agriges technologies: RyZea and Bpc. The first technology concentrates in Lieta-Veg the phytostimulant compounds (amino acids, polyamines, vitamins, etc.) from the extraction of the brown algae *Ascophyllum nodosum*, *Fucus* spp. and *Laminaria* spp. The Bpc technology provides exclusive microbial strains, filed by Agriges in an international reference microbial collection. The application of Lieta-Veg in the early stages of cultivation facilitates plant establishment, reducing the effects of transplant stress; applications during the cycle stimulate crop growth and productivity.

Composition			
Organic Nitrogen (N)	2.5 %	<i>Bacillus amyloliquefaciens</i> AGS282 *	8.0 x10 ⁷ CFU/g
Organic Carbon (C)	18.0 %	<i>Bacillus subtilis</i> S3B1 *	8.0 x10 ⁷ CFU/g
Organic matter (with nominal molecular weight <50kDa)	30.0 %	<i>Bacillus licheniformis</i> PS141 *	4.0 x10 ⁷ CFU/g

* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection. Not shown on the label.

Foliar application		Dose ml/hl
All the crops	Throughout the entire cycle	80-160

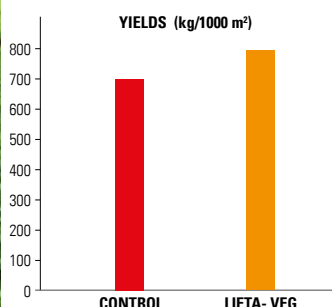
Crop	Application in fertigation	Dose l/ha
Tree crops	From vegetative resumption until post-fruit setting, 2 to 3 interventions	20-30
Wine grapes and table grapes	From vegetative resumption until post-fruit setting, 2 to 3 interventions	20-30
Horticultural crops	Post-transplanting, vegetative resumption, post-fruit setting, every 15 days	20-30
Industrial crops	Post-transplanting, vegetative resumption, post-fruit setting, every 15 days	10-15
Ornamental and flower crops	During the vegetative cycle, 2 applications	10-15

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In the case of mixtures, it is recommended to carry out preliminary compatibility and miscibility tests on a limited area and number of plants. Check and reduce dosages for sensitive and not expressly indicated crops. Do not exceed the indicated dosages. The combination with cupric products, alkaline reacting products, white oils, sulphur and polysulphides.



Effectiveness on the chlorophyll content and the vegetative growth of rocket in a controlled environment.



Effectiveness of LIETA-VEG on yields, rocket in a controlled environment.



- Increases and makes fruit colour more uniform
- Increases the sugar content and the organoleptic components of the final production
- Stimulates photosynthesis and contains excess vegetative growth

Description Lyon 56 WG is a solid PK fertilizer designed to support nutrition by providing phosphorus readily assimilable by and immediately available to the plant. Its considerable potassium concentration accompanies the development of the fruit, improving cellular expansion and qualitative features. Lyon 56 WG increases the sugar content and improves colour uniformity. Lyon 56 WG allows activating several enzymatic mechanisms involved in photosynthesis and in the synthesis of amino acids and growth hormones. Lyon 56 WG shifts the plant's metabolism from vegetative to reproductive growth, reducing vegetative growth, with considerable advantages on the quality and quantity of the final production.

Composition			
Phosphorus pentoxide (P ₂ O ₅) water-soluble	6.0 %	Potassium oxide (K ₂ O) water-soluble	56.0 %

Crop	Foliar application	Dose kg/ha
Tree crops	Starting from fruit swelling until ripening, 2 to 3 interventions	2-3
Horticultural crops	Starting from fruit swelling until ripening, 2 to 3 interventions	1-2
Industrial crops	4 to 5 interventions until harvest	2-3
Ornamental crops	Throughout the entire growth cycle	1-2

Crop	Application in fertigation	Dose kg/ha
Tree crops	From fruit setting until ripening	5-10
Horticultural crops	From fruit setting until ripening	4-8
Ornamental crops	Throughout the entire growth cycle	1-3

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is advisable to carry out small preliminary tests to verify compatibility and miscibility, as well possible varietal sensitivities. Pour the product into a reduced amount of water, respecting the minimum water: product ratio (4:1) and, once the product is completely dissolved, bring the solution to the desired final volume. Do not associate with mineral oils, calcium and sulphur-based products, products with a strong acid reaction and emulsions.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	5 - 10 - 20 - 200 - 1000 l Jerrycan, drum, cistern	approx. 4.7	approx. 25.6 dS/m	

- Foliar application
- In fertigation
- Allowed in Organic Farming
- Origin 100% vegetable
- Growth Promoter Bacteria
- Exclusive Agriges production technology



Producing more,
producing healthy

Formulation	Packages	pH	Conductivity	Technical notes
Soluble crystals	1 - 2.5 - 5 - 10 - 25 kg Bag, jar	approx. 3.0	approx. 70.0 dS/m	

- Foliar application
- In fertigation

With RyZea farming navigates in safe waters

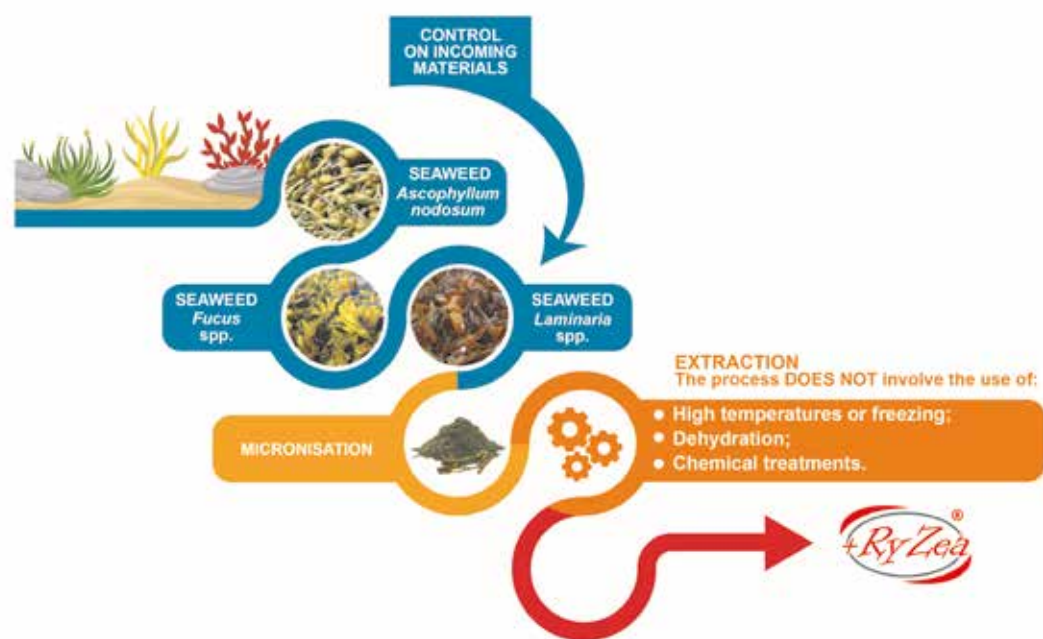
RyZea transfers into Agriges products the phyto-activating power of three different seaweed types, namely: *Ascophyllum nodosum*, *Fucus* spp. and *Laminaria* spp., which are enhanced with a high concentration of compounds universally recognised as phytostimulants (free amino acids, polyamines, betaines, vitamins, micronutrients etc.). The secret of RyZea's effectiveness lies in the production technology, but not only on this.

Production technology

These three seaweed types are selected, identified and controlled in order to verify their compliance with the applicable quality requirements. Only then, they move on to the industrial extraction process, which is extremely "gentle" and performed in such a way as not alter the stability of the phytostimulating seaweed molecules. The micronisation of seaweed, i.e. the reduction of the latter to very fine particles, is the basis of RyZea technology, followed by the application of pressure differentials. The extract so obtained is then filtered at 200 meshes (75 microns), thus ensuring ease of use and making sure that all the liquid formulations containing RyZea do not cause any problems during their application in the field.

The extraction process, therefore, does not involve the use of:

- high temperatures or freezing;
- dehydration;
- chemical treatments.



- Promotes fruit growth, increases fruit size and enhances final yield
- Improves the qualitative characteristics of production (°Brix, colour)
- Brings harvest forward and increases yield

Description Maral NPK is a fertilizer with a balanced concentration in Nitrogen, Phosphorus and Potassium, enriched with the bio-activating substances that make the MARAL Line products unique and extraordinarily effective. In fact, Maral NPK is a "complete meal", thanks to the RyZea technology because, in addition to a concentration of growth factors, the product also brings zinc, complexed with the organic matter to ensure a timely and prolonged bio-active and antioxidant effect. The complex mix of chelating agents, plant hormones and activating molecules brings harvest forward, improves production not only in quantitative but also in qualitative terms, such as soluble solids content, greater consistency and dry weight of fruits and leafy vegetables.

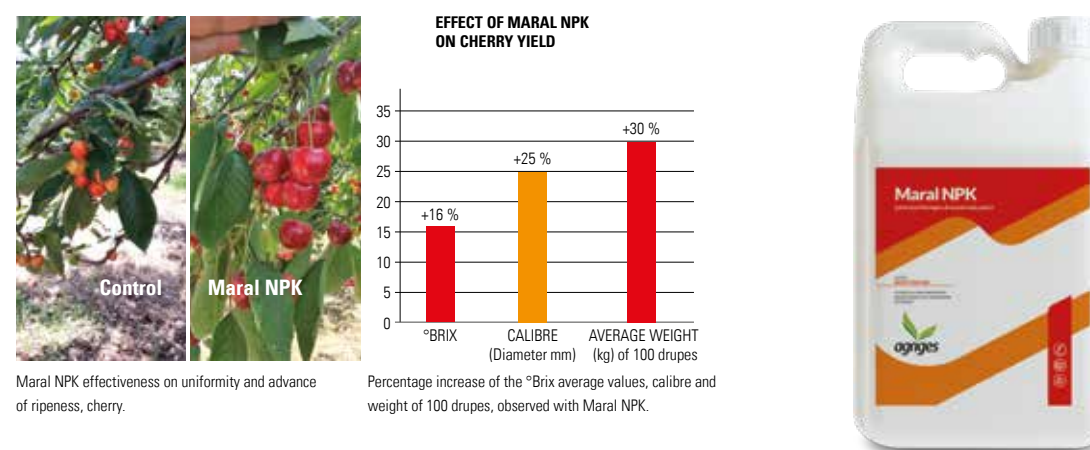
Composition	Total Nitrogen (N)		Total Phosphorus Pentoxide (P ₂ O ₅)	
	Organic Nitrogen (N)	6.0 %	Water-soluble Potassium Oxide (K ₂ O)	5.0 %
Ammoniacal Nitrogen (N)	0.7 %	Organic Carbon (C)	5.0 %	
Ureic Nitrogen (N)	1.0 %	Total Zinc (Zn)	7.5 %	
	4.3 %		1.0 %	

Doses and administration	Crop	Foliar application	Dose l/ha
	Tree crops	At flower budding stage, flowering and petal fall	3-4
	Horticultural crops	Fruit setting of 2nd truss, fruit swelling	2-4
	Industrial crops	From fruit setting	2-4
	Ornamentals crops	During growth	1-3

Application in fertigation		Dose l/ha
All the crops	From fruit setting	2-3

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of combination with other products, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Avoid mixing with products with an alkaline reaction and/or with a strong acid reaction and with copper-based products.



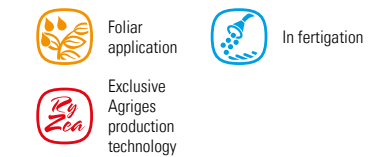
Maral NPK effectiveness on uniformity and advance of ripeness, cherry.

Percentage increase of the °Brix average values, calibre and weight of 100 drupes, observed with Maral NPK.

Effectiveness on the field

Component	Action	Agronomic issue
Chelating agents (alginic acid and free amino acids)	Absorption and translocation of nutrients into the plant	Root stress, immobilised nutrients, unfavourable climate and soil conditions
Natural plant hormones (auxins, cytokinins, gibberellins)	Activation of plant metabolism and induction of plant growth	Stunt growth, environmental stress conditions, increased production
Elicitor and anti-stress compounds (betaines)	Promotion of plant resistance	To prevent stress and improve the plant's response to harmful agents

Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 6.5	approx. 22.0 dS/m	Foliar application In fertigation



- Promotes flowering and fruit set
- Transfers the energies of the plant from the reserve structures to the fruits
- Increases cell division and distension of growing tissues

Description Maral S LQ is a concentrate of growth thanks to the exclusive RyZea production technology. It contains a high percentage of natural substances with bioactive and antioxidant action. Maral S LQ releases the energy that the plant has accumulated in the reserve organs and transfers it to the reproductive organs, thus determining a more abundant and uniform flowering and yield. Furthermore, Maral S LQ induces a greater division and distension of the cell of the growing tissues and a greater migration of photosynthetic products towards the fruit that increases in weight and size and above all sees its product quality improve.

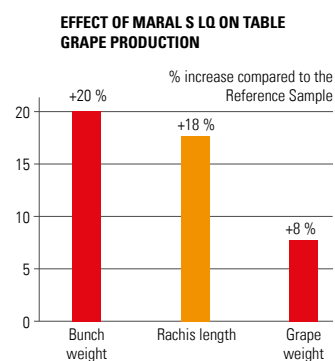
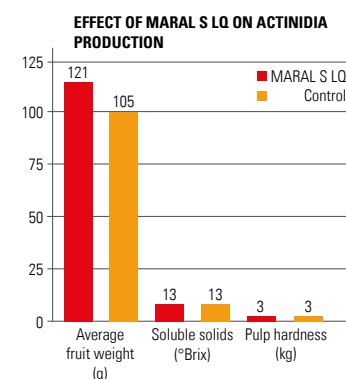
Composition	Value	Additional Information
Total Nitrogen (N)	1.0 %	Amino acids, Vitamins: B1, B3, B6, PP, inositol * Growth inducers of plant origin: gibberellins, cytokinins, auxins, betaines, polyamines * Alginates, Mannitol and micronutrients *
Organic Nitrogen (N)	1.0 %	
Organic Carbon (C) of biological origin	10.0 %	
Organic matter (with nominal molecular weight <50kDa)	30.0 %	
Seaweed cream (<i>Ascophyllum nodosum</i> Fucus spp. - <i>Laminaria</i> spp.) *		

* Data not included on the label.

Doses and administration	Crop	Foliar application	Dose ml/ha
	Tree crops	From fruit setting until fruit development	150-250
	Horticultural crops	Throughout the entire vegetative cycle	150-200
	Application in fertigation		Dose l/ha
	All the crops	During the vegetative cycle	2-3

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products it is always advisable to carry out preliminary miscibility and compatibility tests on small surfaces. Do not associate with alkaline reaction products, with strong acid reaction and copper-based products, with the exception of olives, vines and artichokes.



- Improves the recovery of the plant after weeding
- Activates the growth interrupted by low temperature and low light conditions
- RyZea ensures vitality and productivity in every vegetative phase

Description Maral Zn/Mn is a highly effective and reliable bioactivator based on Zinc and Manganese complexed with RyZea, the exclusive Agriges production technology. Thanks to RyZea, Maral Zn/Mn performs a multiplicity of functions, ensuring the plant vitality and productivity in every vegetative phase. Zinc and Manganese are very important nutrients that intervene in numerous metabolic processes and regulate the activity of essential enzymes while the algal extracts enhance the nutritional effect of micronutrients and bring numerous molecules with chelating, anti-stress and revitalizing action. In case of weeding stress, it significantly reduces the related stress by stimulating a quick recovery.

Composition	Total Zinc (Zn)	5.0 %	Total Manganese (Mn)	5.0 %
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Doses and administration	Crop	Foliar application	Dose ml/ha
	Tree crops	Throughout the entire growth cycle	100-200
	Horticultural crops	Throughout the entire growth cycle	100-200
	Industrial crops	Throughout the entire growth cycle	100-200
	Ornamental crops	Throughout the entire growth cycle	100-200

Application in fertigation		Dose l/ha
All the crops	Throughout the entire growth cycle	2-4

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of combination with other products, it is always advisable to carry out preliminary miscibility and compatibility tests. Avoid mixing with copper-based products. Association with copper-based formulations is only possible with olive tree, grapevine and artichoke and, in any case, it is always advisable to carry out preliminary miscibility and compatibility tests on small surfaces. In order to avoid unwanted phenomena of crystallization of the product, keep it at a temperature of not less than 8° to 10 °C.



Effectiveness of Maral Zn/Mn in reducing the effects of weeding-related stress, soya.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	0.25 - 0.5 - 1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 8.8	approx. 19.8 dS/m	<ul style="list-style-type: none"> Foliar application In fertigation Allowed in Organic Farming Exclusive Agriges production technology

Producing more, producing healthy

Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 5.7	approx. 16.8 dS/m	<ul style="list-style-type: none"> Foliar application In fertigation Allowed in Organic Farming Exclusive Agriges production technology

Producing more, producing healthy

Maturel Top

Bioactivators
Line

- Increases the sugar content of fruits
- Stimulates ripening and brings forward harvesting times without ageing the plant
- Gives fruits intense colours and fragrant flavours

Description Maturel Top is an exceptional product based on amino acids and active organic molecules able to naturally accelerate the ripening processes. The mixture of amino acids contained in Maturel Top contributes to the synthesis of ethylene, a hormone involved in the flower induction processes and in fruit ripening. Furthermore, Maturel Top has a high concentration of organic acids (mono-, di-, tri-, polysaccharides) designed to convey a greater quantity of sugars in the fruits and to improve their organoleptic characteristics. Maturel Top brings forward ripening and harvesting, without reducing yield, improves the sugar content (°Brix) and intensifies fruit colour (anthocyanins and carotenoids).



Components	Total Nitrogen (N)	5.0 %	Water-soluble Potassium Oxide (K ₂ O)	5.0 %
	Organic Nitrogen (N)	0.3 %	Organic Carbon (C)	10.0 %
	Ureic Nitrogen (N)	4.3 %		

	Crop	Foliar application	Dose ml/ha
Doses and administration	Tree crops	From fruit veraison 1-2 interventions	80-250
	Horticultural crops	From fruit veraison 1-2 interventions	80-250
	Industrial crops	In pre-flowering	80-150

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on small surfaces. Perform at least 2-3 treatments before complete ripening every 10-15 days.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	0.25 - 0.5 - 1 - 5 l Bottle, jerrycan	approx. 6.2	approx. 16.1 dS/m	 Foliar application  Exclusive Agriges production technology



Producing more,
producing healthy

Microfood

Bioactivators
Line

- Concentrates the nutritional power of yeast extracts and brown seaweeds
- Is a nourishing source for the useful microflora and microfauna of the rhizosphere
- Activates the multiplication of the exclusive Agriges microbial consortia

Description Microfood is a special formulation that acts as a substrate for the growth and multiplication of the microbial consortia contained in the products of the Agriges Microorganisms Line. Microfood concentrates the nutritional power of yeast extracts and brown seaweeds, deliberately treated in an acidic environment, in order to create during the mixing with Agriges microbial consortia the optimal conditions for their activation and multiplication. Microfood contains: carbohydrates (including mannitol), free amino acids, nucleic acids, mineral salts, vitamins, small proteins and enzymes. The product is also rich in alginic acid, which can preserve and prolong the viability of the microbial consortium over time.

Composition	Total Nitrogen (N)	1.5 %	Organic Carbon (C)	10.0 %
	Organic Nitrogen (N)	1.5 %	Organic matter (with nominal molecular weight <50kDa)	35.0 %

Doses and administration Dilute 1 l of product in 100 litres of water and add the recommended dose of Tri-Start Plus/Rem Plus or Tri-Start Cream/Rem Cream. In case of root bath, allow the different components to act for at least 2 to 4 days.

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings The product is miscible with all formulations based on microbial consortia mixed with bacteria and fungi. We do not recommend any use other than that indicated on the label.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 l Bottle, jerrycan	approx. 3.4	approx. 19.5 dS/m	



Producing more,
producing healthy

- Brings the blocked nutrients back into solution of the soil
- Boosts the development of new roots
- Greens up the plants and increases the amount of iron that can be assimilated

Description Pixel is the Agriges solution against salinity and soil fatigue. The microbial technology and the intrinsic features of its components make it ideal for improving the characteristics of low-oxygen, saline and exhausted soil. Pixel, in fact, contains specific organic acids which separate and create complexes of the sodium in the soil, suspending it again in the circulating solution and aiding its removal. Moreover, the presence of atomised sulphur (100 µm particle diameter) helps to rebalance the pH of the soil and release calcium with beneficial effects on the chemical and physical properties of the soil. Lastly, the exclusive bacterial strain, *Bacillus megaterium* S3Nb3, solubilizes phosphorus and produces siderophores, making a greater amount of iron available to the plant.

Composition	Organic Nitrogen (N)	1.0 %	Total Sulphur (S)	21.0 %
	Organic Carbon (C)	18.0 %	Total Iron (Fe)	1.0 %
	Organic substance (with nominal molecular weight <50kDa)	30.0 %	<i>Bacillus megaterium</i> S3Nb3 *	1.0 x 10 ⁶ CFU/g




Product bioactivated with Microbial technology. * *Bacillus megaterium* S3Nb3 is an exclusive strain isolated and deposited by Agriges in an international reference microbial collection. Not shown on the label.

	Soil type	Application in fertigation	Dose l/ha
Doses and administration	Clay	2 applications from the first growth stages	20-25
	Sandy	2-3 applications from the first growth stages	15-20

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings If mixed with other products, it is advisable to carry out miscibility and compatibility tests beforehand on small surface areas. We do not recommend associating this product with products with an alkaline reaction (e.g., polysulphides) and any products that cannot normally be mixed with sulphur. **Shake well before use.**



Formulation	Packages	pH	Conductivity	Technical notes
Water-dispersible fluid	5 - 10 - 20 l Bottle	approx. 4.0	approx. 9.17 dS/m	 In fertigation  Allowed in Organic Farming  Exclusive Agriges production technology



Producing more,
producing healthy

- Induces accumulation of nutrients in the reserve tissues
- Promotes flower bud differentiation
- Accelerates vegetative resumption, reducing production alternation

Description Post R is an innovative foliar fertilizer based on nitrogen in the ureic and organic form, with the addition of trace elements, + RyZea, in order to ensure a greater effectiveness of action both in terms of penetration into tissues and translocation to sites of accumulation for the subsequent production year. Post R, if applied at the end of the production cycle before the vegetative rest, allows accumulating in the reserve areas (roots, stems and tubers) the necessary nutrients and an early and quick vegetative resumption. Post R is also quickly absorbed by plant tissues undergoing senescence, like leaves prior to fall.



Composition	Total Nitrogen (N)	19.0 %	Water-soluble Manganese (Mn)	0.25 %
	Urea Nitrogen (N)	18.0 %	Water-soluble Zinc (Zn)	0.5 %
	Organic Nitrogen (N)	1.0 %	Organic Carbon (C) of biologic origin	3.0 %
	Water-soluble Boron (B)	0.5 %		

	Crop	Foliar application	Dose l/ha
Doses and administration	Three crops	Immediately after fruit harvest	12-20

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of a mixture with other products, carry out preliminary miscibility and compatibility tests. In a protected environment and in the case of mixtures, reduce doses up to 2-4 l/ha. Carry out the treatments on mild days, avoiding quick temperature variations.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	5 - 20 l Jerrycan	approx. 7.3	approx. 33.8 dS/m	 Foliar application  Exclusive Agriges production technology



Exclusive Agriges production technology

Promofruit BZ

RyZerre 10 SB

Bioactivators
Line

- Boosts flowering and supports fruit setting
- Stimulates endogenous plant hormone synthesis
- Contains tryptophan and auxin precursors

Description Promofruit BZ promotes flower fertility, fruit setting (even in case of stress) and fruit swelling, thanks to the synergy between RyZea, Boron with Zinc. Promofruit BZ provides a high content of levogyrous amino acids, biologically active and quickly usable by the plant, as well as many nutrients that stimulate the synthesis of endogenous plant hormones, such as tryptophan which, as a precursor of auxins, is actively involved in the rooting, fruit setting and fruit swelling processes. Promofruit BZ induces early and uniform flowering, greater flower fertility, more abundant fruit setting, even during periods of thermal and environmental stress, and optimal fruit development.

Composition	Total Boron (B)	1.6 %	Total Zinc (Zn)	6.3 %
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	Crop	Foliar application	Dose ml/ha
Doses and administration	Three crops	From flowering until fruit setting	40-80
	Horticultural crops	From flowering until fruit setting	40-80
	Industrial crops	Pre-flowering	40-80
	Ornamental crops	Pre-flowering	40-80

		Application in fertigation	Dose l/ha
Doses and administration	Three crops	From flowering until fruit swelling	0.8-1.2
	Horticultural crops	From flowering until fruit swelling	0.8-1.2
	Ornamental crops	Pre-flowering	0.8-1.2

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, it is advisable to carry out small preliminary tests to verify compatibility, miscibility and possible varietal sensitivities. The product can entail drawbacks if distributed with copper-based products and systemic products. Mixing with white oils and formulations with an acid reaction is not recommended. It is recommended to carry out a treatment with Pryoter Ca/Mg after an interval of 10 days from the last use in order to structure the fruit.



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Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	0.25 - 0.5 - 1 - 10 l Bottle, jerrycan	approx. 9.8	approx. 18.7 dS/m	<ul style="list-style-type: none"> Foliar application In fertigation Allowed in Organic Farming Exclusive Agriges production technology



Producing more,
producing healthy

- Prevents and resolves Copper and Boron deficiencies in the plant
- Improves the stability and functionality of chlorophyll
- Stimulates the synthesis of peptides and carbohydrates

Description Ryzerre 10 SB is a mixture of Copper and Boron studied to meet the high nutritional needs of these elements of the cultivated plants. Copper is an essential nutrient because it participates in numerous metabolic processes and in the stabilization of the chlorophyll molecule; it is required in all organs actively involved in vegetative and productive development, in addition to being involved in the synthesis of pigments and carbohydrates as well. Instead, Boron is an essential micronutrient for flowering and fruit setting. RyZea increases the nutritional efficacy of Ryzerre 10 SB as it is able to "hook" and convey Copper and Boron more easily and promptly inside the plant towards the target organs. In defence programs, Ryzerre 10 SB supports the plant and withstands at its best the action of synthetic chemical molecules.

Composition	Total Copper (Cu)	10.0 %	Water-soluble Boron (B)	0.2 %
	Water-soluble Copper (Cu)	4.0 %		

	Crop	Foliar application	Dose ml/ha
Doses and administration	Tree crops (except peach, plum and sensitive apple tree varieties)	During the vegetative cycle	100-150
	Horticultural crops (except rocket)	During the vegetative cycle	100-150
	Industrial crops	During the vegetative cycle	100-150
	Ornamental crops	During the vegetative cycle	80-100

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, it is advisable to carry out small preliminary tests to verify compatibility and miscibility, as well as possible varietal sensitivities. It is not recommended to mix with mineral oils and alkaline reaction products (e.g. polysulphides). Shake the package vigorously before each use.



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Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	0.5 - 1 - 5 - 10 - 200 l Bottle, jerrycan, drum	approx. 8.8	approx. 19.1 dS/m	<ul style="list-style-type: none"> Foliar application Allowed in Organic Farming Exclusive Agriges production technology



Producing more,
producing healthy

- Stimulates root development
- Removes transplanting-related stress
- Is rich in natural plant development promoters

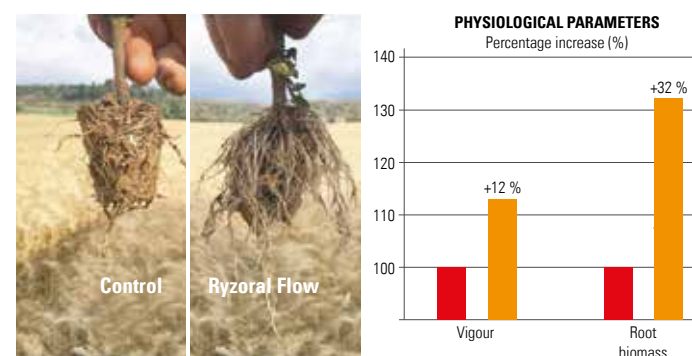
Description Ryzoral Flow is a bioactivator obtained from organic matrices of several plant essences that contains brassinosteroids, root development promoting plant hormones. The product, in fact, promotes root development and removes all signs of transplanting-related stress. Brassinosteroids are essential for normal plant development, just like hormones: auxins, cytokinins, gibberellins, abscisic acid and ethylene. They promote the growth and development processes of tissues and organs in all plants at the cellular level, regulating cell elongation, division and differentiation and, at the level of the plant as a whole, influencing the development of the vegetative part but, above all, the development of both primary and secondary roots.

Composition			
Total Nitrogen (N)	4.0 %	Total Boron (B)	0.1 %
Organic Nitrogen (N)	2.0 %	Total Copper (Cu)	0.03 %
Nitric Nitrogen (N)	1.0 %	Total Iron (Fe)	0.4 %
Ammoniacal Nitrogen (N)	1.0 %	Total Manganese (Mn)	0.1 %
Total Phosphorus Pentoxide (P ₂ O ₅)	4.0 %	Total Molybdenum (Mo)	0.02 %
Water-soluble Potassium Oxide (K ₂ O)	4.0 %	Total Zinc (Zn)	0.5 %
Organic Carbon (C)	3.0 %		

Doses and administration	Crop	Application in fertigation	Dose l/ha
	Tree crops	Post-transplanting or during vegetative resumption	2-4
	Horticultural crops	Post-transplanting or during vegetative resumption	2-4
	Industrial crops	Post-transplanting or during vegetative resumption	2-4
	Ornamental crops	Post-transplanting or during vegetative resumption	2-4

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of combination with other products, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Do not mix with mineral oils or alkaline reaction products (e.g. polysulphides).



Effectiveness of Ryzoral Flow in promoting the development of a thick and vigorous root system, tomato.

Effectiveness of Ryzoral Flow in promoting increased vigour and root biomass, tomato.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 4.0	approx. 3.0 dS/m	In fertigation Exclusive Agriges production technology

- Provides free amino acids in a highly assimilable form
- Stimulates the development of meristematic tissues
- Quickly reactivates photosynthesis, as well as protein and carbohydrate synthesis

Description Scatto is a natural product extremely rich in organic matter, organic carbon and free levogyrous amino acids. The particular and gentle production process concentrates in Scatto a high content of short-chain peptides and free amino acids, which promote the development of the meristematic zones, prolong the life and photosynthetic activity of leaves and counteract the tissue senescence. The application of Scatto allows improving the photosynthetic efficiency, promoting the growth and accumulation of nutrients in fruits and vegetables. In addition, Scatto chelates the nutritive elements, favouring their quick foliar absorption.

Composition			
Total Nitrogen (N)	8.4 %	Organic Carbon (C) of biologic origin	25.0 %
Totally water-soluble organic Nitrogen (N)	8.4 %	Organic matter	

Doses and administration	Crop	Foliar application	Dose ml/ha
	Three crops (except for plum and peach trees)	During the fruit swelling phase	80-150
	Horticultural crops	Throughout the entire growth cycle	80-150
	Industrial crops	Throughout the entire growth cycle	80-150
	Ornamental crops	In the early development stages	60-100

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of combination with other products, it is always advisable to carry out preliminary miscibility and compatibility tests on small surfaces. The combination with copper-based formulations is only possible on olive tree and artichoke. It is also possible for grapevine, but only for post-flowering treatments, and for the plum tree, only after having carried out preliminary tests to check any sensitivity.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 6.2	approx. 12.6 dS/m	Foliar application Allowed in Organic Farming

Syfast G 15

Bioactivators
Line

- Promotes intense and uniform flowering
- Increases fruit setting
- Strongly attracts pollinating insects

Description Syfast G 15 is a flower inducer that prepares the plant to a complete fruit setting. Syfast G 15 induces and prolongs flowering, increasing the vitality of the pollen tube, thanks to the presence of Boron, Zinc and Molybdenum in soluble form, readily usable, and chelated by RyZea, which associates the translaminar carrier function with that of plant metabolism bioactivator. Syfast G 15 strongly attracts pollinating insects. The product also performs a strengthening action, so that they can support a greater load of fruits.

Composition	Water-soluble Boron (B)		Water-soluble Zinc (Zn)	
	Water-soluble Boron (B)	5.0 %	Water-soluble Zinc (Zn)	0.5 %
	Water-soluble Molybdenum (Mo)	2.0 %	Chelated Zinc (Zn) (EDTA)	0.5 %

Chelating agent: EDTA - Stability range of the chelated fraction: pH from 3 to 9.

Doses and administration	Crop	Foliar application	Dose ml/ha
	Three crops	Before flowering	50-90
	Horticultural crops	Before flowering	50-90
	Industrial crops	Before flowering	50-90
	Ornamental crops	Before flowering	50-90

	Application in fertigation	Dose l/ha
	Three crops	Before flowering
	Horticultural crops	Before flowering
	Industrial crops	Before flowering
	Ornamental crops	Before flowering

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other formulations, it is always advisable to carry out preliminary compatibility and miscibility tests on small surfaces. The product is compatible with most of the currently used fertilizers and pesticides. It is not recommended to make mixtures with mineral oils, copper, sulphur and systemic products. For a correct solubilisation, a preliminary dilution of the formulation is recommended. Vigorously shake the package before use.



Effectiveness of Syfast G 15 in promoting bunch lengthening, tomato in greenhouse



Effectiveness of Syfast G 15 in promoting raquis lengthening, table grapes



Tpa 2000

Bioactivators
Line

- Improves pollination processes, bringing forward, intensifying and making flowering uniform
- Stimulates the lengthening of bunches
- Induces cell multiplication and differentiation

Description Tpa 2000 is an innovative product that performs a complete phytostimulant action for the vegetative-productive development of the plant. In fact, its components, participating in the synthesis of natural auxins, determine multiple effects, namely: they improve the fertilization processes, bring flowering forward, stimulate fruit setting and swelling, and reduce stress of any kind. Furthermore, Tpa 2000 induces a sudden repair of wounds through the formation of new vascular tissue. In post-fruit setting, it promotes net production.

Components	Tryptophan of natural origin Vitamins of natural origin Natural growth promoters
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Doses and administration	Crop	Foliar application	Dose
	Three crops	Pre-flowering, before and post-fruit setting and 10-15 days after the first treatment	Single dose for 250/500 l
	Horticultural crops	8-10 days after transplanting, pre-flowering, before and post-fruit setting and 10-15 days after	
	Ornamental crops	Pre-flowering and 10-15 days after the first treatment	

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Single-dose packaging for 250/500 litres of water, to be dissolved at first in 10 to 20 litres of water and then further diluted in the stock solution to be used for the treatment. It can be combined with Scatto in the growth phase, to Migal Boro 15 in pre-flowering and to Maral S LQ in the production phase (also on horticultural leaf crops). **Tpa 2000 does not have the characteristics of either a fertilizer or a phytosanitary product.**



Formulation	Packages	pH	Conductivity
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 8.5	approx. 9.8 dS/m

Technical notes	
Foliar application	In fertigation
Allowed in Organic Farming	Exclusive Agriges production technology



Producing more,
producing healthy

Formulation	Packages	pH	Solubility	Technical notes
Powder soluble	7 - 14 grams Pillbox	4.5 - 7.0	approx. 1.136 g/100 ml	Foliar application

- Creates the ideal conditions for mixing with other fertilizers
- Carries the nutrients more easily into the plant
- Reactivates the plant metabolism

Description Wet-Leaf creates the optimal conditions for a mixture with other formulations by lowering the pH and reducing the formation of foam when preparing the solution. Wet-Leaf is characterized by a sticky nature, which helps the absorption and functionality of the products in foliar application, in addition to carry more easily the nutrients inside the plant. Wet-Leaf provides the plant with some of the nutrients that play a key role for the main cellular metabolic processes (Krebs cycle), bringing energy and vitality in the pure state, which is rapidly used by the plant in all its main metabolic processes, i.e. chlorophyll photosynthesis and sugar metabolism.


Components Citric acid
Polysaccharides
Compounds that reduce foam formation

Doses and administration	Crop	Foliar application	Dose ml/hl
	Tree crops	For the preparation of mixtures with other fertilizers	50-100
	Horticultural crops	For the preparation of mixtures with other fertilizers	50-100
	Industrial crops	For the preparation of mixtures with other fertilizers	50-100
	Ornamental crops	For the preparation of mixtures with other fertilizers	50-80

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings It is always advisable to carry out compatibility tests on small surfaces. The dose of use may vary depending on the conductivity, temperature and pH of the initial water. Do not mix with products with an alkaline reaction and with mineral oils.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 20 - 1000 l Bottle, jerrycan, cistern	approx. 2.2	approx. 3.6 dS/m	 Foliar application

GREATER PLANT ENDOGENOUS RESISTANCE

RESISTANCE INDUCTORS LINE

- . AKAR PLUS MZ
- . AKARBIO
- . ALE
- . CYNOL Z SPECIAL
- . GABRIEL BZ
- . KIRAM LINE
- . NEMA 300 WW
- . PROPOLIS
- . SILI-GO
- . TANTRA MZ
- . TARGET PLUS

Agriges Resistance Inductors Line consists of those formulations which, in addition to perform a nutritional action, represent innovative and environmentally friendly solutions for greater endogenous resistance of crops. Resistance Inductors are products with high phyto-activating properties that **trigger the plant's self-defence mechanisms** and induce it to raise a natural endogenous barrier against the main harmful agents.

Akar Plus MZ

Resistance Inductors Line

- Increases yield by improving resistance to stress factors
- Provides antioxidant and revitalizing compounds
- Optimizes plant transpiratory processes in stressful conditions

Description Akar Plus MZ is an innovative fertilizer, with high adhesiveness and ability to distribute itself on treated surfaces, which brings zinc and manganese to the plant. These are two very important nutrients that intervene in numerous metabolic processes of the plant, in particular, those that respond to environmental stress. Furthermore, thanks to the peculiar properties of its components, of a polymeric nature, Akar Plus MZ increases the endogenous capacity of the plant to resist the main stress factors (temperature and/or water). In fact, Akar Plus MZ performs a dual function: it optimizes the transpiratory processes of the plant in stressful conditions, improving the water balance between the inside and outside of the plant, and it stimulates the production of secondary metabolites responsible for endogenous plant resistance responses.

Composition	Total Manganese (Mn)	0.5 %	Total Zinc (Zn)	1.5 %
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Doses And Administration	Crops	Foliar application	Dose ml/hl
	Tree crops	During the entire growth cycle avoiding applications in full flowering stages	80-100
	Horticultural crops	During the entire growth cycle avoiding applications in full flowering stages	80-100
	Industrial crops	Upon shoot emergence	100
	Cereals	During the entire growth cycle avoiding applications in full flowering stages	80-100

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings It is recommended not to exceed the maximum permissible dose of 1.2 l/ha per treatment. Carry out compatibility and miscibility tests on small areas and on a limited number of plants, checking and reducing dosages for sensitive and not expressly indicated crops. Do not mix the product with mineral oils and separate treatments of Akar Plus MZ with mineral oils. Do not exceed recommended concentrations. **Avoid treatments close to harvest.** Do not apply during flowering phase. Before applying, check for any phytotoxicity phenomena on a few plants. If necessary, repeat the application. Do not apply at high temperatures (>30°C) followed by strong sunlight.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	0.1 - 0.25 - 0.5 - 1 - 5 l Bottle, jerrycan	approx. 6.1	approx. 2.2 dS/m	Resistance Inductor Foliar application

Akarbio

Resistance Inductors Line

- Promotes the accumulation of molecules with resistance-related functions
- Improves the use of calcium
- Supports the plant in periods of greater susceptibility and stress

Description Akarbio is an enhancer of the plant's endogenous resistance. Its applications promote in the plant a quick and long-lasting accumulation of molecules with functions related to stress-resistance. This allows the metabolic functions to remain unaltered, with interesting productive responses even in the presence of stress factors. Akarbio also improves the use of calcium thanks to an important Boron content and optimizes the final colour of the fruit, promoting an improvement in the final yield quality.

Composition	Total Boron (B)	0.2 %	Total Zinc (Zn)	1.9 %
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Doses and administration	Crop	Foliar application	Dose ml/hl
	Tree crops	Throughout the vegetative cycle	100-200
	Horticultural crops	Throughout the vegetative cycle. Tomato: 300-500 ml/hl	100-200

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, it is advisable to carry out small preliminary tests in order to check the product's compatibility and miscibility as well as possible varietal sensitivities. Avoid mixing with white oils, oil-based products and copper-based products. Wet thoroughly and evenly. Do not mix with Tantra MZ.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	0.5 - 1 - 5 - 10 l Bottle, jerrycan	approx. 7.8	approx. 8.7 dS/m	Resistance Inductor Foliar application Allowed in Organic Farming

- Induces the synthesis of molecules with resistance-related functions
- Rich in antioxidant and revitalizing compounds
- Enhances plant absorption

Description The first step towards quality yields is the well-being of the crop. Ale raises the plant's natural resistance thanks to an innovative natural and balanced mixture obtained from different organic components. The high content of plant essences of polysaccharide nature performs a dual action: it activates the plant metabolism and increases the endogenous defences to the main pathogens. On the other hand, the flavonoids contained in Ale perform an antioxidant action and provide the crop with a pool of molecules that, when necessary, help the plant to better withstand any external stress conditions. Finally, Ale has a strong adhesive nature that makes it very resistant to adverse weather conditions.



Composition Flavonoids
Plant extracts

Crop	Foliar application	Dose ml/hl
Tree crops	Throughout the growth cycle	300-400
Horticultural crops	Throughout the growth cycle	300-400
Ornamental crops	Throughout the growth cycle	300-400

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, it is advisable to carry out small preliminary tests in order to check the product's compatibility and miscibility as well as possible varietal sensitivities. Avoid mixing Ale with Sulphur and avoid applying it in the event of presence of residues thereof. In order to improve the effectiveness of the treatments, use a volume of water suitable to obtain a complete wetting of the plant surfaces. It is recommended to apply the product mixed with Entemol P. **Ale has neither the characteristics of a fertilizer nor of a phytosanitary product.**



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 25 l Bottle, jerrycan	approx. 5.1	approx. 0.1 dS/m	 Resistance Inductor  Foliar application

- RyZea improves the assimilation of nutrients
- Stimulates plant growth thanks to a balanced mixture of natural extracts
- Improves yield quality and crop responses to external stress conditions

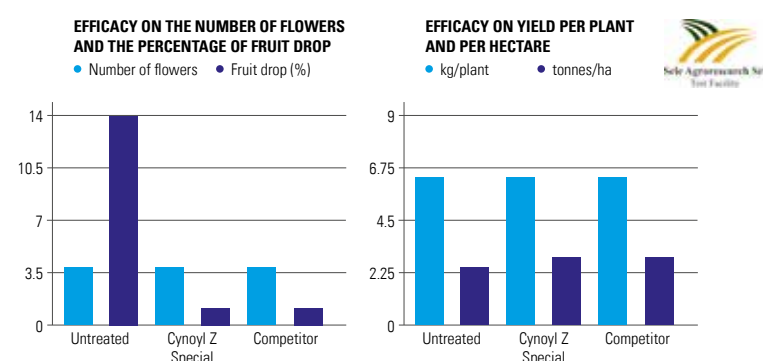
Description Cynoyl Z Special is a product of great effectiveness and versatility, since it combines and enhances the action of plant extracts and seaweed extracts with Sulphur. The presence of amino acids of 100% vegetable origin, polysaccharides, natural phytohormones, sulphur and other bioactive components is able to stimulate uniformity of budding, flowering and vegetation and to exert interesting effects on production, as well as activating the plant's natural resistance. What characterises Cynoyl Z Special is the RyZea technology, which makes the formulation stable and the different natural components of the product particularly active. Actually, the product is assimilated by the treated plants, thus improving yield quality and activating the plant's response to different stress factors.

Composition Total Nitrogen (N) 1.5 %
Organic Nitrogen (N) 1.5 %
Organic Carbon (C) of biological origin 10.0 %
Organic matter (with nominal molecular weight <50kDa) 35.0 %
Total Sulphur (S) 31.0 %

Crop	Foliar application	Dose
Tree crops	Throughout the growth cycle; (applications before vegetative resumption: 25-30 l/ha)	250-400 ml/hl
Horticultural crops	Throughout the growth cycle	250-400 ml/hl
Industrial crops	Throughout the growth cycle	250-400 ml/hl
Cereals	Upon shoot emergence	4-10 l/ha





The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, it is always advisable to carry out miscibility and compatibility tests on a limited number of plants. Do not mix with Copper salts, mineral oils, nitrate-based products, chlorinated products, oxidizing agents and all products normally not miscible with Sulphur, except for the phase preceding vegetative resumption. **Shake well before using.**



The results of the trials, conducted at the Sele Agrosresearch test centre, with the aim of evaluating the efficacy of Cynoyl Z Special in the pre-bloom phase showed that the Agriges thesis, compared to the untreated and the competitor, improves fruit set and thus the productivity of the crop, increasing quality oil yields per hectare.



Formulation	Packages	pH	Conductivity	Technical notes
Liquid suspension	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 4.8	approx. 8.0 dS/m	 Resistance Inductor  Foliar application  Allowed in Organic Farming  Exclusive Agriges production technology



- Activates the plant's endogenous resistance
- Improves flowering and fruit setting thanks to Boron and Zinc
- Fluid mixture of micronutrients with a high assimilability level thanks to the Tne technology

Description Gabriel BZ, enriched and made precious by the exclusive Agriges Tne technology, is a solution concentrated in readily absorbed micronutrients that support the most delicate phenological plant phases, in addition to improve the plant's ability to tolerate stressful situations. The Tne technology enables Gabriel BZ to overcome surface tensions, so as to distribute uniformly on surfaces and to enhance the effectiveness of nutrients. The presence of the Boron energetically activates flowering and adequately supports the subsequent fruit setting. Thanks to Tne, Gabriel BZ performs an elicitor function, i.e. it energetically activates the plant's endogenous resistance against the main pathogens and improves the yield shelf life (fruits and leaf vegetables, etc.).

Composition	Water-soluble Boron (B)	0.2 %	Water-soluble Zinc (Zn)	1.8 %
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Doses and administration	Crop	Foliar application	Dose ml/hl
	Tree crops	From pre-flowering and upon onset of factors predisposing to stress	100-200
	Horticultural crops	From pre-flowering and upon onset of factors predisposing to stress	100-200
	Industrial crops	From the early phases and during the growth cycle	80-150
	Ornamental crops	From the early phases and throughout the cycle	100-150

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, it is always advisable to carry out miscibility and compatibility tests on a limited number of plants. The product can entail drawbacks if distributed with copper-based products. Mixing with white oils and formulations with an alkaline reaction is not recommended. **Gabriel BZ does not have the characteristics of a phytosanitary product and its use does not exclude traditional fungicides and phytotherapeutic treatments in general.**



Thanks to Tne technology, Gabriel BZ is optimally distributed on the treated surfaces.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	0.5 - 1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 5.8	approx. 6.7 dS/m	<ul style="list-style-type: none"> Resistance Inductor Foliar application Allowed in Organic Farming Agriges production technology



- Enhances plant's endogenous resistance to stress factors
- Improves product shelf life
- Optimizes the plant's transpiration processes under stress conditions

Description Kiram Line enhances plant's endogenous resistance thanks to the exclusive Dinamo production technology which stably combines an active biopolymer, which is characterized by biocompatibility, biodegradability and non-toxicity, and useful micronutrients, such as Copper, with high nutritional and elicitor power. While micronutrients interact with plant metabolism and positively affect the final production, the biopolymer deeply stimulates the plant systemic resistance, inducing rapid and effective responses to stress factors. Kiram Line is characterized by a uniform distribution on the surfaces and by a prolonged endurance, improving the water exchange between inside and outside the plant.

Composition	Kiram		Kiram AT	Kiram Film
	Total Copper (Cu)	6.0 %	1.8 %	-
Water-soluble Copper (Cu)	1.2 %	0.4 %	-	
Chelated Copper (Cu) with EDTA	1.2 %	0.4 %	-	
Total Boron (B)	-	-	0.2 %	
Water-soluble Manganese (Mn)	0.1 %	0.1 %	0.1 %	
Chelated Manganese (Mn) with EDTA	0.1 %	0.1 %	0.1 %	
Total Zinc (Zn)	-	-	1.7 %	
Water-soluble Zinc (Zn)	0.1 %	0.1 %	0.2 %	
Chelated Zinc (Zn) with EDTA	0.1 %	0.1 %	0.2 %	

Chelating agent: ethylenediaminetetraacetic acid (EDTA). Stability range of the chelated fraction: pH from 3 to 9.

Doses and administration	Crop	Foliar application	Kiram	Kiram AT	Kiram Film
	Tree crops (except for peach tree, plum tree and sensitive apple tree varieties)		Upon onset of factors predisposing to stress 200-250 ml/hl	Upon onset of factors predisposing to stress 200-250 ml/hl	Upon onset of factors predisposing to stress 200-250 ml/hl
Peach tree, plum tree and sensitive apple tree varieties		Before vegetative resumption (during defoliation) 200-250 ml/hl	-	-	-
Horticultural crops		During the growth cycle and in all phases predisposing to stress 150-200 ml/hl	During the growth cycle and in all phases predisposing to stress 200-250 ml/hl	During the growth cycle and in all phases predisposing to stress 200-250 ml/hl	Throughout the vegetative cycle, when harvesting is approaching, to prevent tissue degeneration 200-250 ml/hl
Industrial crops		During the growth cycle and in all phases predisposing to stress 200-250 ml/hl	-	-	-
Ornamental crops		From the early vegetative phases and in phases predisposing to stress 100-150 ml/hl	Upon onset of factors predisposing to stress 150-200 ml/hl	Upon onset of factors predisposing to stress 150-200 ml/hl	In case of water or thermal stress 150-200 ml/hl

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.



Warnings

In case of mixture with other products, it is always advisable to carry out miscibility and compatibility tests on a limited number of plants. Do not mix with white oils, oil-based and copper-based products. Do not apply on plants on which there are residues of copper-based products (e.g. Bordeaux mixture, etc.). Shake vigorously each time before use. The pH of the final solution must be acid-subacid. Make sure to provide a good surface wetting.

- Reactivates the root growth interrupted by stress factors
- Increases the plant's endogenous resistance to adverse conditions
- Stimulates the plant to thicken the cortical tissue of the roots

Description

Properly selected vegetable oils make Nema 300 WW a formulation with an intense reactivating power, especially for plants stressed by root problems (e.g. attacks by nematodes). Nema 300 WW promotes the emission of new roots so that the crop quickly recovers the damaged tissue. Nema 300 WW is a totally natural product, rich in fatty acids, alkaloids, diterpene glycosides, phenols, sesquiterpenes, tannins, which allow the product to perform an effective and prolonged action over time on the plant's physiology. Nema 300 WW alerts the plant's self-defences system (SAR, SIR) against the most common root pathogens.

Composition

Edible vegetable oils (treated in alkaline solution) 60 %

	Crop	Application in fertigation	Dose l/ha
Doses and administration	Tree crops	Starting from early growth stages, repeating the treatment every 10 to 14 days	15-25
	Wine and table grapes	Starting from early growth stages, repeating the treatment every 10 to 14 days	15-25
	Horticultural crops	Starting from early growth stages, repeating the treatment every 10 to 14 days	15-25
	Industrial crops	Starting from early growth stages, repeating the treatment every 10 to 14 days	15-25
	Ornamental crops	Starting from early growth stages, repeating the treatment every 10 to 14 days	15-25

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings

In case of mixture with other products, it is always advisable to carry out miscibility and compatibility tests on a limited number of plants. Do not mix with products with a strong acid or alkaline reaction or with Sulphur. Shake vigorously each time before use. In case of application with a weeding rod, it is necessary to ensure an abundant irrigation with plain water following the treatment. Do not mix with herbicides. **Nema 300 WW does not have the characteristics of a fertilizer or a phytosanitary product.**



Effectiveness of Nema 300 WW on the development of a new root system on tomato.



Formulation

Soluble liquid

Packages

Kiram e Kiram AT
1 - 5 - 10 l
Bottle, jerrycan
Kiram Film
1 - 5 l
Bottle, jerrycan

pH

Kiram
approx. 2.2
Kiram AT
approx. 2.5
Kiram Film
approx. 2.9

Conductivity

Kiram
approx. 10.8 dS/m
Kiram AT
approx. 2.2 dS/m
Kiram Film
approx. 5.8 dS/m

Technical notes

- Resistance Inductor
- Foliar application
- Exclusive Agriges production technology

Formulation

Soluble liquid

Packages

1 - 5 - 10 - 25 l
Bottle, jerrycan

pH

approx. 9.6

Conductivity

approx. 4.5 dS/m

Technical notes

- Resistance Inductor
- In fertigation



Producing more,
producing healthy

Propolis

Resistance Inductors Line

- Phytostimulant action and strong resistance induction
- Attracts pollinating insects improving flowering and fructification
- Reduces fruit drop phenomena while promoting a rapid healing of wounds

Description Propolis is a formulation of natural origin containing the active fraction of Propolis, composed of flavones, flavonoids, vitamins, trace elements, and numerous other molecules that activate the enzymatic systems and the production of various metabolites. It is an effective enhancer of the natural defences of plants and promotes the rapid healing of wounds (e.g. caused by pruning, hail, etc.). Propolis improves the shelf life of the final production; makes the floral organs more appetizing for the pollinating insects (bees and bumblebees), thus improving pollination; reinforces the plant by helping it to recover from stressful situations. Propolis is very rich in vitamins, glutathione, and tocopherols, characterized by an antioxidant nature that allows a more rapid inactivation of harmful free radicals.

Composition	Propolis in hydroalcoholic solution 8.0% (w/w) Minimum content of flavonoids (expressed in galangins) 20 mg/ml Vegetable emulsifiers *	Flavones and flavonoids * Vitamins and micronutrients * Phenols and phytostimulants *
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* Data not included on the label.

	Crop	Foliar application	Dose ml/hl
Doses and administration	Tree crops	Throughout the cycle	150-250
	Horticultural crops	Throughout the cycle	150-250
	Industrial crops	Throughout the cycle	150-250
	Ornamental crops	Throughout the cycle	150-250

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, carry out preliminary miscibility and compatibility tests on small surfaces. It can be applied preventively throughout the vegetative cycle, but only for the permitted agricultural uses. Repeat the treatments every 10 to 15 days as required. When mixed with fungicides, do not exceed a dose of 150-200 ml/hl. Protect from frost.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 l Bottle, jerrycan	approx. 4.7	approx. 0.05 dS/m	 Resistance Inductor  Foliar application  Allowed in Organic Farming

Sili-Go

Resistance Inductors Line

- Natural inducer of plant self-defences
- Significantly increases calcium uptake and plant metabolism
- Improves the resistance to various stress factors

Description Sili-Go is an innovative plant strength promoter that enhances the plant's self-defences. It contains silicon in a highly stable and bio-active form, as it is bound to humic acids and amino acids that protect it and convey it within plant tissues. Sili-Go bio-fortifies leaves, thus making them less vulnerable to attacks by harmful agents. Furthermore, Sili-Go induces the plant to synthesize compounds such as phytoalexins and PR proteins, which improve the plant's responses to stress factors. The product improves the conveyance and use of calcium, with important effects on production, as well as increasing the plant's tolerance to salinity by reducing the deleterious effects of the latter (stunted growth, decline in productivity).



Composition	Potassium oxide (K ₂ O) In solution with silicon and organic matrices of various kinds (humic substances, carbohydrates, amino acids)	10.0 %
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	Crop	Foliar application	Dose ml/hl
Doses and administration	Tree crops	From vegetative resumption until harvesting	50-80
	Horticultural crops	Starting from transplanting and throughout the growth cycle	50-80
	Industrial crops	Starting from transplanting and throughout the growth cycle	50-80
	Ornamental crops	Starting from transplanting and throughout the growth cycle	50-80

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Never pre-dilute the product in small quantities of water but mix Sili-Go instead in the full amount of water necessary for the treatment, and only afterwards add - as the case may be - fertilizers and pesticides. After the addition of Sili-Go, the pH should be brought to 5-5.5 with an acidifier. Apply Sili-Go in micro-doses (45-60 ml/hl). A minimum of 5 to 7 interventions per season are recommended for a dose/ha per season of 3-4.5 l. In case of mixture with other products, it is advisable to carry out small preliminary tests in order to check the product's compatibility and miscibility on a limited number of plants. Avoid mixing with white oils, oil-based products, based-sulphur copper products.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 l Bottle, jerrycan	approx. 11.1	approx. 15.6 dS/m	 Resistance Inductor  Foliar application

Tantra MZ

Resistance Inductors Line

- Concentrated soluble fertilizer with Silicon
- Provides Potassium, which increases the final product quality
- Increases endogenous plant resistance

Description Tantra MZ is a formulation aimed at fortifying endogenous plant self-defences against a series of adversities. It is a mixture of Potassium and trace elements performing essential biological functions, further enhanced by Silicon. This element is of fundamental importance since it is responsible for reinforcing the leaf epidermis. The stability of the microelements contained in the product is ensured by the particular formulation, which allows keeping them in a readily available form and easy to use by the plant. The innovative formulation of Tantra MZ is a sophisticated combination of components that increase the adhesion of the product on the leaves, thus ensuring a uniform wetting and coverage of the treated surfaces.



Composition	Water-soluble Potassium Oxide (K ₂ O)	39.0 %	Total Zinc (Zn)	0.5 %
	Total Manganese (Mn)	0.5 %	Silicon (SiO ₂)	0.1 %

Doses and administration	Crops	Foliar application	Dose g/hl
	Tree crops	Starting from vegetative resumption until the end of the cycle	400-500
	Pome fruit	Perform treatments at intervals of 8 to 10 days up to a maximum of 8 treatments	400-500
	Horticultural crops	Starting from transplantation until the end of the cycle	400-500
	Industrial crops	Starting from transplantation until the end of the cycle	400-500

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Perform compatibility and miscibility tests on a limited number of plants; it can create slight phytotoxicity on Golden Delicious (apple tree) and on Muscat Grapes. Keep the product at alkaline pH (without going below 7.0). Do not mix with acid reaction products, oxide and copper oxychloride, NPK fertilizers, EC formulations and acid products. It is absolutely not recommended to exceed the maximum dose of 500g/hl. Do not spray at high temperatures (> 30° C) followed by strong sunlight.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble powder	1 - 2.5 - 5 kg Bag	approx. 8.0	approx. 60.0 dS/m	 Resistance Inductor  Foliar application

Target Plus

Resistance Inductors Line

- Promotes the synthesis of signal compounds involved in endogenous stress responses
- Improves crop well-being
- Supports the plant during periods of increased susceptibility and stress

Description Target Plus is an innovative concentrate of natural extracts with a high content of brown seaweed, particularly of the genus Laminaria. The unique extraction process of the natural matrix of Target Plus has been optimised to obtain an effective formulation, rich in seaweed extracts including alginates, reserve carbohydrates, polysaccharides (glucans). The seaweed extracts in Target Plus act as signals for the plant to initiate the production of molecules actively involved in endogenous responses to stress. In particular, glucans, due to their unique chemical properties, confer greater mechanical resistance to cell walls.




Composition	Organic Nitrogen (N)	1.5 %	Organic substance (with nominal molecular weight <50kDa)	30.0 %
	Organic Carbon (C)	10.0 %		

Doses and administration	Crops	Foliar application	Dose ml/hl
	Tree crops	From budding to fruit ripening and in post-harvest	300-400
	Horticultural crops	Throughout the production cycle	300-400
	Industrial crops	Throughout the production cycle	300-400
	Ornamental crops	Throughout the production cycle	300-400

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings If mixed with other products, it is advisable to carry out small preliminary tests to check compatibility, miscibility and possible varietal sensitivities. Do not mix with mineral oils or mixtures of products with an alkaline reaction (e.g., polysulfides). Take care to wet the vegetation uniformly and to apply a minimum quantity of 3 litres of product per hectare.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrican	approx. 10.7	approx. 15.0 dS/m	 Resistance Inductor  Foliar application  Allowed in Organic Farming



MICROORGANISMS AT THE SERVICE OF QUALITY PRODUCTIONS

MICROORGANISMS LINE

- . ARALD CREAM AND ARALD NC
- . AZO SMART
- . BIO-SEMINA LINE
- . DRAKS
- . MICRORYZ LINE
- . REM PLUS
- . SKERMO
- . TRI-GRAN
- . TRI-START F
- . TRI-START MEGA
- . TRI-START PLUS

The company's collaboration with National and International Research Institutes led to the birth of the Microorganisms Line, based on fungal, bacterial and yeast inocula. These formulations reintegrate the useful microbial load of the soil, through an injection of selected microbial strains, resulting in increased **biodiversity, nutrient absorption and resistance to stress.**

For the Microorganisms Line, Agriges has developed various formulations: cream, granules and powders, characterised by exclusive production technologies that increase the effectiveness of their action and guarantee their vitality both before and after application.

Arald Cream and Arald NC

Microorganisms Line

- Provides an optimal concentration of useful microorganisms
- Increases yield, even in case of stress
- Improves plant well-being and biostimulates its growth

Description Arald Cream and Arald NC, thanks to exclusive technology Pro-Act, combine the synergistic effects of the plant-growth promoting beneficial microorganisms (PGPR and PGPF) and of the bioactive plant molecules (humic and fulvic acids), to improve wellbeing and productivity of the crops and to affect the structure of the soil and improve its properties. These microorganisms improve nutrients bioavailability and vegetative growth.

	Arald Cream	Arald NC
Composition		
Mycorrhizae (<i>Glomus</i> spp.)	5.0 %	10.0 %
Rhizosphere bacteria including:		
- <i>Azotobacter chroococcum</i> LS132 *	5.0 x10 ⁷ CFU/g	5.0 x10 ⁶ CFU/g
- <i>Azospirillum brasilense</i> AGS608 *	5.0 x10 ⁷ CFU/g	5.0 x10 ⁶ CFU/g
- <i>Bacillus subtilis</i> S3b1*	7.0 x10 ⁷ CFU/g	-
Selection of Fungi/Actinomycetes including:		
- <i>Trichoderma longibrachiatum</i> AGS799 *	4.0 x10 ⁷ CFU/g	4.0 x10 ⁶ CFU/g
- <i>Clonostachys</i> spp.	5.0 x10 ⁷ CFU/g	5.0 x10 ⁶ CFU/g
- <i>Nomuraea</i> spp.	1.0 x10 ⁷ CFU/g	1.0 x10 ⁶ CFU/g
Total Nitrogen (N) **	-	15.0 %
Total Phosphorus (P ₂ O ₅) **	-	40.0 %
Humic and fulvic acids	-	yes

* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.
** Data not shown on the label.

Doses and administration	Arald Cream	Foliar application	Application in fertigation
		Tree, Horticultural crops: 150-250 ml/hl from flowering to harvest Industrial crops: 100-200 ml/hl throughout the cycle	All the crops: 2-3 l/ha throughout the cycle
	Arald NC	Soil application All the crops: 15-25 kg/ha, to the sowing/transplant	

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Microorganisms are living organisms and, as such, can be subject to physiological drops in vitality. In case of combination with other formulations, it is recommended to carry out small miscibility and safety tests on a limited number of plants and on small surfaces.



Azo Smart

Microorganisms Line

- It improves the efficiency of nitrogen nutrition thanks to free nitrogen-fixing microorganisms
- It increases crop productivity even in case of stress
- It enhances well-being and bio-stimulates plant growth

Description Azo Smart is a concentrate of plant growth-promoting bacteria and fungi that stimulate and enhance the crop's vegetative-productive activities. The unique microbial strains in the product, some of which are registered by Agriges in an international reference microbial collection, have the high capacity to fix atmospheric nitrogen, making it available to the crop, and to improve fertiliser use efficiency. This is possible thanks to the 'multi-site' synergy between the unique Azo Smart consortium and the crop, which is stimulated to photosynthesise more efficiently and maximise production performance.

Composition	Rhizosphere bacteria (selected bacterial isolates) including	
	<i>Azotobacter chroococcum</i> LS132 *	1.0 x10 ⁸ CFU/g
	<i>Azospirillum brasilense</i> AGS608 *	1.0 x10 ⁸ CFU/g
	<i>Bacillus amyloliquefaciens</i> AGS282 *	1.0 x10 ⁸ CFU/g
	Organic soil improver: simple, non-composted vegetable soil improver	
	<i>Mycorrhizae</i> (<i>Glomus</i> spp.)	5.0 %
	Selected fungal isolates including:	
	<i>Trichoderma longibrachiatum</i> AGS799 *	1.0 x10 ⁷ CFU/g

* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

Doses and administration	Crop	Foliar application	Dose g/ha
	Tree crops	During the growth phase	350
	Horticultural crops	During the growth phase	350
	Industrial crops	Throughout the entire vegetative cycle	350
	Cereals	End of tillering - beginning of shoot emergence	350

The aforementioned doses have a purely indicative value and can therefore vary in relation to the soil and climate features of each area.

Warnings The product contains living microorganisms, present in spore-forming form, resistant to temperatures down to -20°C. With temperatures between 8 and 30 °C, the growth of the microbial consortium increases exponentially. Avoid inhaling dust. Agriges declines all responsibility for incorrect storage and/or handling.



Formulation	Packages	pH	Conductivity	Technical notes
Arald Cream Cream	Arald Cream 0.8- 4 l	Arald Cream approx. 7.0	Arald Cream approx. 0.02 dS/m	Exclusive Agriges production technology Allowed in Organic Farming
Arald NC Granular	Arald NC Bottle, jerrycan 25 kg Bag	Arald NC	Arald NC	



Producing more, producing healthy

Formulation	Packages	pH	Conductivity	Technical notes
Wettable powder	0.7 - 1.4 - 2.8 - 5.6 kg / Bucket	approx. 6.8	approx. 18.2 dS/m	Exclusive Agriges production technology Allowed in Organic Farming



Producing more, producing healthy

- Natural treatment agent based on growth promoting microorganisms
- Increases seed germination capacity
- Improves well-being and biostimulates plant growth

Description Bio-Semina is the natural solution to traditional seed treatment. Compared to the use of traditional chemical treatment agents, Bio-Semina covers the seeds with microorganisms that promote plant development, it is allowed in Organic Farming and guarantees the absence of residues on the seed and maximum respect for plant physiology and the environment. Bio-Semina is characterised by a high concentration of mycorrhizal fungi, rhizosphere bacteria beneficial to the soil, able to promptly occupy all ecological niches in direct contact with the seed. This allows improving: germination capacity, nutrient absorption, number of stalks per plant, homogeneity of development, protein content of grains, crop well-being.

Warnings The product contains living microorganisms. Store it in unopened packages in a cool, dry place, away from light and heat sources at a temperature between +8 and +25°C. Avoid inhaling dust. Agriges declines all liability for incorrect storage and/or handling.


	Bio-Semina LQ Plus	Bio-Semina LQ Pro	Bio-Semina PW
Composition	Organic soil improver: simple non-composted plant-based soil improver		
	Mycorrhizae (<i>Glomus</i> spp.)	5.0 %	5.0 %
	Rhizosphere bacteria (selected bacterial isolates) including:		10.0 %
	<i>Azotobacter chroococcum</i> LS132 *	1.0 x10 ⁸ CFU/g	1.5 x10 ⁷ CFU/g
	<i>Azospirillum brasilense</i> AGS608 *	1.0 x10 ⁸ CFU/g	-
	<i>Bacillus amyloliquefaciens</i> AGS282 *	3.3 x10 ⁷ CFU/g	1.3 x10 ⁸ CFU/g
	<i>Bacillus subtilis</i> S3B1 *	3.3 x10 ⁷ CFU/g	1.3 x10 ⁸ CFU/g
	<i>Bacillus licheniformis</i> PS141 *	3.3 x10 ⁷ CFU/g	1.3 x10 ⁸ CFU/g
	Selection of Fungi/Actinomycetes including:		
	<i>Trichoderma longibrachiatum</i> AGS799 *	1.0 x10 ⁸ CFU/g	6.0 x10 ⁸ CFU/g
	<i>Streptomyces</i> spp.	-	4.0 x10 ⁸ CFU/g

* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

	Crop	Bio-Semina LQ Plus	Bio-Semina LQ Pro	Bio-Semina PW
Doses and administration	Cereals	400 ml, mixed with 100 kg of seed	400 ml, mixed with 100 kg of seed	500 g, mixed with 100 kg of seed

Mix the amount of product indicated as it is until obtaining an even distribution on the seeds. The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.



Formulation	Packages	pH	Conductivity	Technical notes
Bio-Semina LQ Plus Soluble liquid	Bio-Semina LQ Plus 1 - 5 - 10 - 20 - 120 - 200 - 1000 l	Bio-Semina LQ Plus approx. 6.3	Bio-Semina LQ Plus approx. 1.7 dS/m	 Allowed in Organic Farming
Bio-Semina LQ Pro Powder	Bio-Semina LQ Pro Bottle, jerrycan, drum, cistern	Bio-Semina LQ Pro approx. 5.5	Bio-Semina LQ Pro -	
	Bio-Semina PW 1 - 5 - 15 kg Bucket	Bio-Semina PW approx. 7.5		

- Improves the rooting of young seedlings
- Increases the total biomass
- Stimulates the photosynthetic efficiency of the crop

Description An efficient and healthy root system is the prerequisite for an abundant and quality production. When the root becomes ill, the whole plant suffers, due to the deprivation of the main source of absorption of water and nutrients. Draks is an exclusive concentrate of bacteria (PGPR) and fungi of the rhizosphere which, in a synergistic way, promote the growth of plants. These microorganisms interact with the young plant, providing it with growth-regulating substances which stimulate the development of root system and root hair. *Azospirillum* spp. and *Azotobacter chroocorum* LS132 are bacteria capable of fixing atmospheric nitrogen asymbiotically, increasing the amount available for the plant. Furthermore, they also release organic acids and phosphatases into the rhizosphere that convert the phosphorus from insoluble forms into forms available to the plant.

Composition	Organic soil improver: simple, non-composted vegetable soil improver	
	Mycorrhizae (<i>Glomus</i> spp.)	10.0 %
Rhizosphere bacteria (selected bacterial isolates) including:	<i>Azospirillum brasilense</i> AGS608 *	3.0 x10 ⁶ CFU/g
	<i>Azotobacter chroococcum</i> LS132 *	2.0 x10 ⁶ CFU/g
	* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.	

Crops	In Fertigation	Dose
Horticultural	From the first stages of development to the growth of the plant	3-5 kg/ha
Fruit	- new implantations	3-5 kg/ha
	- implantations under production	Upon new growth up to fruit growth
Topsoil and/or peat	In mixture	0.5 kg/m ³ of substrate
In nursery	With sprayer bar	0.5 - 1 kg/1000 m ²

It is recommended to prepare a pre-suspension of 1 kg of product in 10 liters of water and shake vigorously. Then, bring the suspension to the final volume. The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings The product contains living microorganisms, therefore it is recommended not to mix Draks with chemicals. Store in its closed packages in a cool and dry place, away from sources of heat and out of the light at a temperature between +8 and +25°C. Do not inhale the dusts. Agriges declines all responsibility in case of incorrect storage and/or handling.

- Provides the symbiont Rhizobium species-specific of soy
- Reduces the exogenous supply of nutrients
- Easy distribution in the field thanks to microgranular and cream formulations

Description Thanks to Micotech and the high concentration of Bradyrhizobium japonicum, the Microryz Line promotes the establishment of a stable symbiosis of microorganisms with the root of leguminous plants (and soya in particular), even in cultivation conditions unfavourable to nodulation, such as in soils with salinity problems. The presence of mycorrhizae and nitrogen fixers improves the availability and uptake of phosphorous and other nutrients, allowing to significantly reduce exogenous inputs. Finally, Trichoderma colonises and stably occupies the rhizosphere by interacting positively with the plant root.

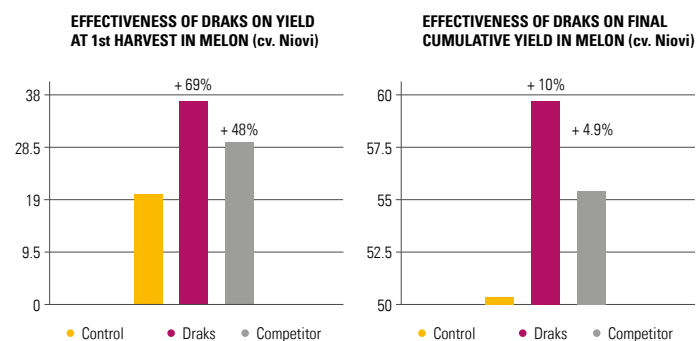
Composition	MICRORYZ	MICRORYZ NP	RYZCREAM
Organic soil improver: simple, non-composted vegetable soil improver			
Mycorrhizae (<i>Glomus</i> spp.)	10.0 %	10.0 %	8.3 %
Rhizosphere bacteria (selected bacterial isolates) including:			
<i>Bradyrhizobium japonicum</i>	5.0 x10 ⁶ CFU/g	5.0 x10 ⁶ CFU/g	1.0 x10 ⁷ CFU/g
<i>Azotobacter chroococcum</i> LS132 *	5.0 x10 ⁶ CFU/g	3.0 x10 ⁶ CFU/g	5.0 x10 ⁶ CFU/g
<i>Azospirillum brasilense</i> AGS608 *	1.0 x10 ⁶ CFU/g	1.0 x10 ⁶ CFU/g	1.0 x 0 ⁷ CFU/g
Selection of Fungi/Actinomycetes including:			
<i>Trichoderma longibrachiatum</i> AGS799 *	1.0 x10 ⁶ CFU/g	1.0 x10 ⁶ CFU/g	1.0 x10 ⁷ CFU/g
Total Nitrogen (N)**	-	10.0 %	-
Soluble Phosphorus (P ₂ O ₅) **	4.0 %	40.0 %	-
Potassium Oxide (K ₂ O) **	2.0 %	-	-

* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection. ** Data not shown on the label.

Doses and administration	MICRORYZ	MICRORYZ NP	RYZCREAM
Legumes (Soya) and Cereals	Upon sowing 8-12 kg/ha	Upon sowing 8-12 kg/ha	Mix 200 ml to the quantity of seed per 1 ha

The above doses are merely indicative and may vary according to the soil and climate conditions of each area.

Warnings Microorganisms are living organisms and, as such, can be subject to physiological drops in vitality. Therefore, we recommend the application of **MICRORYZ** and **MICRORYZ NP** within a maximum of 2 years and **RYZCREAM** within a maximum of 5 months from the production date stated on the packaging. Store according to the stated on the label.



The results of the trials, conducted at the Agri2000 test centre on melon, showed that Draks applied after transplanting, in fertigation at 5 kg/ha, stimulates the overcoming of transplant stress, increases crop productivity and guarantees a greater uniformity of ripening by reducing the number of detachments needed on the same plant.

Formulation	Packages	pH	Conductivity
Wettable powder	0.5 - 1 - 2.5 - 5 kg Bucket	approx. 6.8	approx. 18.2 dS/m

Technical notes



Formulation	Packages	pH	Other	Technical notes
Microryz and Microryz NP Microgranular (Ø: 0.5 - 1.0 mm)	Microryz and Microryz NP 4 kg Bag	Microryz and Microryz NP approx. 4.5 Ryzcream approx. 8.5	Specific weight Microryz and Miycroryz NP approx. 900 kg/m ³ Conductivity Ryzcream approx. 0.2 dS/m	Ryzcream Allowed in Organic Farming
Ryzcream Cream	Ryzcream 0.2 - 0.8 - 4 - 8 l Bottle, tank			Exclusive Agriges production technology



- Stimulates plant growth and physiological responses to stress
- Induces intense root growth and rapid overcoming of transplant stress
- Improves the availability of soil-fixed nutrients

Description Rem Plus is an innovative formulation characterised by the presence of exclusive microbial strains of Nemat technology selected and filed by Agriges in an international reference microbial collection. These micro-organisms were selected for their ability to produce indolacetic acid, siderophore activity and phosphate solubilisation activity. The use of Rem Plus therefore improves plant rooting from the earliest stages of development and effectively overcomes transplant stress. This is possible because Rem Plus is also rich in mycorrhizae, amino acids and rhizosphere fungi which, in synergy, improve soil fertility and repopulate the soil with useful micro-organisms.

Composition	Organic soil improver: simple, non-composted vegetable soil improver	
	Mycorrhizae (<i>Glomus spp.</i>)	5.0 %
Rhizosphere bacteria (selected bacterial isolates) including:	<i>Bacillus subtilis S3b1</i> *	2.0 x10 ⁹ CFU/g
	<i>Bacillus licheniformis PS141</i> *	2.0 x10 ⁹ CFU/g
	<i>Bacillus amyloliquefaciens AGS282</i> *	3.0 x10 ⁹ CFU/g
	Selection of Fungi/Actinomycetes including:	
	<i>Dactylella spp.</i>	6.0 x10 ⁷ CFU/g
	<i>Arthrobotrys spp.</i>	4.0 x10 ⁷ CFU/g
	<i>Pochonia spp.</i>	2.0 x10 ⁷ CFU/g

* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

	Crops	Application in fertigation	Dose kg/ha
Doses and administration	Tree crops	From vegetative resumption until harvesting	2.5-5
	Horticultural crops	From vegetative resumption/transplanting until harvesting	2.5-5
	Industrial crops	From vegetative resumption/transplanting until harvesting	2.5-5
	Ornamental crops	During all phases of vegetative cycle	2.5-5

It is recommended to prepare a pre-suspension of 1 kg of product in 10 liters of water and shake vigorously. Then, bring the suspension to the final volume. The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings The formulation contains living micro-organisms. To maximise the effectiveness of the product, it is recommended to store it at a temperature between +8 and +25°C, in unopened packaging, in a dry place, away from heat sources and direct sunlight. Avoid inhaling the powders. Agriges declines any responsibility for incorrect storage and/or handling.



Formulation	Packages	pH	Conductivity	Technical notes
Wettable powder	0.5 - 1 - 2.5 - 5 kg Bucket	approx. 6.8	approx. 18.2 dS/m	In fertigation Allowed in Organic Farming Exclusive Agriges production technology



- Provides an optimal concentration of useful microorganisms
- Increases crop productivity even in the event of stress
- Improves plant well-being and bio-stimulates plant growth

Description Skermo is a product that provides exclusive microbial strains, carefully selected through Agriges' collaborations with renowned Italian universities. The microbial consortium that characterises Skermo improves the crop's responses to stress and the efficiency of fertilisation. In fact, both the fungi and the bacteria that the product contains carry out various actions including the production of siderophores and the solubilisation of phosphorus; they also amplify the interception of nutrients in the soil and produce compounds that stimulate plant metabolic activity. Finally, Skermo's micro-organisms create a stable and long-lasting symbiosis with the plant from the very first application, improving crop productivity.

Composition	Organic soil improver: simple, non-composted vegetable soil improver	-
	Mycorrhizae (<i>Glomus spp.</i>)	5.0 %
	Rhizosphere bacteria (selected bacterial isolates) including:	
	<i>Acinetobacter spp.</i>	3.0 x10 ⁹ CFU/g
	<i>Bacillus subtilis S3b1</i> *	5.0 x10 ⁹ CFU/g
	<i>Panotea spp.</i>	2.0 x10 ⁹ CFU/g
Selection of Fungi/Actinomycetes including:		
	<i>Trichoderma harzianum AGS666</i> *	1.0 x10 ⁷ CFU/g

* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

	Crops	Foliar application	Dose ml/ha
Doses and administration	Tree crops	From vegetative resumption until harvesting	150-200
	Horticultural crops	From vegetative resumption/transplanting until harvesting	150-200
	Industrial crops	From vegetative resumption/transplanting until harvesting	150-200
	Ornamental crops	During all phases of vegetative cycle	150-200

The aforementioned doses have a purely indicative value and can therefore vary in relation to the soil and climate features of each area.

Warnings The product contains living microorganisms. Store it in unopened packages in a cool, dry place, away from light and heat sources at a temperature between +8 and +25°C. Avoid inhaling dust. Agriges declines all liability for incorrect storage and/or handling.



Formulation	Packages	pH	Conductivity	Technical notes
Cream	0.8 - 4 - 8 - 16 l Bottle, jerrycan	approx. 6.7	approx. 0.7 dS/m	Foliar application Allowed in Organic Farming Exclusive Agriges production technology



- Prepares the soil to adequately receive the crop
- Rapidly colonises the root with beneficial microorganisms, thanks to Micotech
- Stimulates the growth of the root system and increases the volume of soil explored

Description Tri-Gran is the ideal solution for restoring to health soils afflicted by problems such as: fatigue, "biological vacuum", excessive chemical fertilisation, lack of nutrients, not very hospitable and / or colonised by pathogens. Tri-Gran prepares the soil to adequately receive the crop since, thanks to the selected microbial consortium of Micotech, the volume of soil in direct contact with the root is populated by useful microorganisms able to "dialogue" with the plant and induce it to a more balanced growth. The microbial consortium of Tri-Gran allows exponentially increasing the volume of soil explored by the roots, producing molecules that stimulate plant development, activating the plant's endogenous resistance mechanisms and releasing soil nutrients.

Composition	Organic soil improver: simple, non-composted vegetable soil improver	
	Mycorrhizae (<i>Glomus</i> spp.)	6.0 %
	Rhizosphere bacteria:	
	<i>Azotobacter chroococcum</i> LS132 *	1.5 x10 ⁷ CFU/g
	<i>Bacillus subtilis</i> S3b1 *	1.9 x10 ⁷ CFU/g
Selected fungal isolates:	<i>Trichoderma longibrachiatum</i> AGS799 *	2.0 x10 ⁷ CFU/g
	<i>Streptomyces</i> spp.	1.2 x10 ⁷ CFU/g




* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

Doses and administration	Crop	Soil application	Dose kg/ha
	Tree crops	Located in the planting pit	30-50

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Microorganisms are living organisms and, as such, can be subject to physiological declines in vitality. Therefore, we recommend the application of the product within a maximum of 6 months counting from the date of production shown on the packages. Keep at a storage temperature of 10 °C, in the unopened original package, in a dry place away from heat sources and direct sunlight. Carry out the application of Tri-Gran allowing an interval of at least 7 to 10 days following the treatment with fungicides. The application of Tri-Gran may, on the contrary, be compatible with that of the most common synthetic nematocides. A table of compatibility with fungicides is available on request.



Formulation	Packages	pH	Conductivity	Technical notes
Coarse powder	2.5 - 15 kg Bag	5 - 6	-	 Soil application  Allowed in Organic Farming  Exclusive Agriges production technology

- Improves the plant's hydration
- Rapidly colonises the root with beneficial microorganisms, thanks to Micotech
- Prepares the plant to better respond to stress on the root

Description A very common practice in wine and fruit-growing nurseries is the pralinage of rooted vine cutting and striping, i.e. the application of a muddy solution on the bare root in order to reduce the excessive water loss by the plant before planting. Tri-Start F helps the plant to overcome the early rooting phases more easily, as it offers numerous agronomic advantages thanks to its special formulation enhanced by the presence of Micotech, the exclusive microbial consortium made in Agriges. Tri-Start F contains a large number of selected bacterial and fungal isolates that interact with the plant, predisposing it to respond better and more vigorously to stress factors affecting the root as well as improving plant growth thanks to the action of the Growth Promoting Microorganisms, which produce compounds similar to plant hormones (auxins and cytokinins).

Composition	Mycorrhizae (<i>Glomus</i> spp.)	10.0 %
	Rhizosphere bacteria:	
	<i>Azotobacter chroococcum</i> LS132 *	1.5 x10 ⁷ CFU/g
	<i>Bacillus subtilis</i> S3b1 *	4.0 x10 ⁸ CFU/g
	Selected fungal isolates:	
<i>Trichoderma longibrachiatum</i> AGS799 *	6.0 x10 ⁸ CFU/g	
<i>Streptomyces</i> spp.	4.0 x10 ⁸ CFU/g	



* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

Doses and administration	Crop	Pralinage at the root	Dose kg/ha
	Nurseries	Prepare a solution and immerse the root before planting.	10-15

Prepare the solution by gradually adding Tri-Start F to the total water volume while simultaneously stirring the solution continuously in order to avoid the formation of lumps. Leave to rest for at least 2 hours before the pralinage.

Warnings Microorganisms are living organisms and, as such, can be subject to physiological declines in vitality. Therefore, we recommend the application of the product within a maximum of 6 months counting from the date of production shown on the packages. Keep at a storage temperature of 10 °C, in the unopened original package, in a dry place away from heat sources and direct sunlight. Carry out the application of Tri-Start F allowing an interval of at least 5 to 7 days following the treatments with fungicides. The application of Tri-Start F is compatible with the most common synthetic nematocides, insecticides, fertilizers.



Formulation	Packages	pH	Conductivity	Technical notes
Powder	1 - 5 - 15 kg Bucket	approx. 7	-	 Allowed in Organic Farming  Exclusive Agriges production technology

- Prepares the soil to adequately accommodate the crop
- Provides selected beneficial microorganisms that rapidly colonize the rhizosphere
- Stimulates root growth by increasing the volume of soil explored

Description Tri-Start Mega is an inoculum of mycorrhizal fungi in pellet formulation with unique bacterial and fungal strains selected through Agriges' intensive research activities at renowned research institutions. The last of these collaborations resulted in the microbial production technology, which combines the activity of the unique siderophore bacterium *Bacillus megaterium* strain S3Nb3 with organic acids and micronized elemental sulphur. The result of this synergy is increased availability of nutrients to the crop, especially iron and phosphorus, and an important acidifying and desalinating activity of the soil. Applied as a normal basal fertilizer, Tri-Start Mega allows immediate colonization of the rhizosphere with useful microorganisms that stimulate root system growth, speed up plant establishment, overcome transplant stress, anticipate and improve uniformity of development.

Composition	Organic soil improver: manure	
	Mycorrhizae (<i>Glomus</i> spp.)	1.0 %
	Rhizosphere bacteria (selected bacterial isolates) including:	
	<i>Bacillus megaterium</i> S3Nb3 *	1.0 x10 ⁶ CFU/g
	Selection of Fungi/Actinomycetes including:	
	<i>Trichoderma longibrachiatum</i> AGS799 *	1.0 x10 ³ CFU/g




* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

Doses and administration	Crops	Soil application	Dose kg/ha
	Tree crops	Before vegetative resumption	600-1200
	Horticultural crops	Before sowing/transplanting during tillage	800-1200
	Industrial crops	Before sowing/transplanting during tillage	800-1200
	Cereals	Before sowing during tillage	400-600

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Store the product in the original container in a cool, dry place, away from sunlight and excessive heat. Respect the doses in the label. Bury, avoiding direct contact with fertilised plants.



Formulation	Packages	Pellet diameter	Humidity	Technical notes
Pellet	25 kg Bag	approx. 3.5 mm	5-6%	 Soil application  Allowed in Organic Farming  Exclusive Agriges production technology



- Colonises the root and rhizosphere with beneficial microorganisms
- Improves plant establishment and reduces transplant stress
- Induces intensive rhizogenesis

Description Tri-Start Plus is a concentrate of selected microbial strains, produced through the exclusive technological process made in Agriges Micotech, which enriches the product with beneficial microorganisms that, once in the soil, improve the rooting of the plant, stimulate root growth (even in case of stress) and create a favourable environment for the development of the crop. The Tri-Start Plus formulation is stable, has a long shelf life and is easy to apply. It also helps to enhance the effectiveness of the different microbial strains in Micotech and further stimulate plant metabolism. With Tri-Start Plus, the microbial balance of the rhizosphere is restored and the productive response of the crop is improved, even under stressful conditions.

Composition	Organic soil improver: simple, non-composted vegetable soil improver	
	Mycorrhizae (<i>Glomus</i> spp.)	8.25 %
	Rhizosphere bacteria (selected bacterial isolates) including:	
	<i>Azotobacter chroococcum</i> LS132 *	5.0 x10 ⁸ CFU/g
	<i>Bacillus subtilis</i> S3b1 *	5.0 x10 ⁸ CFU/g
	Selection of Fungi/Actinomycetes including:	
	<i>Trichoderma longibrachiatum</i> AGS799 *	6.0 x10 ⁸ CFU/g
	<i>Streptomyces</i> spp.	4.0 x10 ⁸ CFU/g




* Exclusive strain isolated and deposited by Agriges in an international reference microbial collection.

Doses and administration	Crops	Application in fertigation	Dose kg/ha
	Tree crops	From vegetative resumption until harvesting	2,5-5
	Horticultural crops	From vegetative resumption/transplanting until harvesting	2,5-5
	Industrial crops	From vegetative resumption/transplanting until harvesting	2,5-5
	Ornamental crops	During all phases of vegetative cycle	2,5-5

It is recommended to prepare a pre-suspension of 1 kg of product in 10 liters of water and shake vigorously. Then, bring the suspension to the final volume. The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings The product contains living microorganisms. Store in its closed packages in a cool and dry place, away from sources of heat and out of the light at a temperature between +8 and + 25°C. Do not inhale the dusts. Agriges declines all responsibility in case of incorrect storage and/or handling.



Formulation	Packages	pH	Conductivity	Technical notes
Wettable powder	0.5 - 1 - 2.5 - 5 kg Bucket	approx. 6.8	approx. 18.2 dS/m	 Fertigation  Allowed in Organic Farming  Esclusiva tecnologia di produzione Agriges



PURITY AND VERSATILITY IN FOLIAR FERTILIZATION



FOLIAR FERTILIZERS LINE

- PREMYER LEAF + MICRO LINE
- RYZOLEAF NPK + MICRO LINE

Agriges Foliar Fertilizers Line offers a wide range of extrafine powder products, especially designed to meet the nutritional needs of plants through foliar application. Agriges Foliar Fertilizers are **fully and quickly assimilated** by the plant thanks to the high quality of the raw materials used, supporting the crop in situations where root activity is reduced or the nutrients in the soil are scarcely available. The numerous concentrations of the Foliar Fertilizers are able to meet the specific needs of agricultural crops. **Final result: excellent production and high quality standards.**

Premyer Leaf + MICRO Line

Foliar Fertilizers Line

- Readily assimilable foliar fertilizers
- Promote the harmonious development of plants in situations where root activity is reduced
- Improve yields while raising quality standards

Description Premyer Leaf + Micro is a Line of foliar fertilizers which is composed of numerous readily assimilable, highly soluble formulations, characterised by remarkable purity and able to ensure complete and balanced nutrition. All the formulations included in this family, characterised by a balanced micro- and macronutrients ratio, allow intervening and activating the most important metabolic pathways of the plant even in situations in which root activity is reduced. The products included in the Premyer Leaf + Micro Line have a low chlorine content.


Composition		NK 5-48 + Micro	NPK 8-10-32 + Micro	NPK 10-40-10 + Micro	NPK 20-20-20 + Micro	NPK 21-07-21 + Micro	NPK 30-05-05 + Micro
		Total Nitrogen (N)	5.0 %	8.0 %	10.0 %	20.0 %	21.0 %
Nitric Nitrogen (N)	3.5 %	-	-	6.0 %	6.0 %	1.5 %	
Ammoniacal Nitrogen (N)	1.5 %	2.0 %	10.0 %	4.0 %	5.0 %	7.5 %	
Urea Nitrogen (N)	-	6.0 %	-	10.0 %	10.0 %	21.0 %	
Water-soluble Phosphorus Pentoxide (P ₂ O ₅)	-	10.0 %	40.0 %	20.0 %	7.0 %	5.0 %	
Water-soluble Potassium Oxide (K ₂ O)	48.0 %	32.0 %	10.0 %	20.0 %	21.0 %	5.0 %	
Water-soluble Sulphur Trioxide (SO ₃)	7.0 %	-	16.0 %	-	10.0 %	19.0 %	
Total Manganese (Mn)	0.05 %	0.05 %	0.05 %	0.02 %	0.05 %	0.05 %	
Total Zinc (Zn)	0.05 %	0.05 %	0.05 %	0.02 %	0.05 %	0.05 %	

Doses and administration	Crop	Foliar application	Dose g/hl
	All crops	Throughout the entire cycle	100-250

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings If mixed with other products it is advisable to check the compatibility and miscibility with preliminary tests.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble crystals	1 - 2.5 - 10 kg Jar, bag	2.5 - 6.5	40.0 - 85.0 dS/m	 Foliar application

Ryzoleaf NPK + MICRO Line

Foliar Fertilizers Line

- Thanks to RyZea, they guarantee a rapid absorption of nutrients
- Enhance the plant's growth and development processes
- Improve leaf colouring and fruit pigmentation

Description Ryzoleaf NPK + Micro is the perfect line to effectively nourish the plant through the leaves thanks to the high quality of the raw materials and the translaminar carrier action of RyZea, an exclusive production technology that makes the products of the Ryzoleaf NPK + Micro Line totally and quickly assimilated from the plant. The presence of important micronutrients improves crop photosynthetic efficiency by increasing the pigmentation of the tissues and the plant growth.

Composition		Ryzoleaf NPK 21-07-07 + 2 MgO + Micro	Ryzoleaf NPK 15-5-30 + 2 MgO + Micro	Ryzoleaf NPK 18-18-18 + Micro
		Total Nitrogen (N)	21.0 %	15.0 %
Nitric Nitrogen (N)	2.0 %	7.5 %	5.0 %	
Ammoniacal Nitrogen (N)	9.0 %	1.0 %	6.0 %	
Ureic Nitrogen (N)	10.0 %	6.5 %	7.0 %	
Water-soluble Phosphorus pentoxide (P ₂ O ₅)	7.0 %	5.0 %	18.0 %	
Water-soluble Potassium oxide (K ₂ O)	7.0 %	30.0 %	18.0 %	
Water-soluble Magnesium oxide (MgO)	2.0 %	2.0 %	-	
Total Boron (B)	0.02 %	0.02 %	0.02 %	
Water-soluble Copper (Cu)	0.03 %	0.03 %	0.03 %	
Chelated Copper (Cu) (EDTA)	0.03 %	0.03 %	0.03 %	
Water-soluble Iron (Fe)	0.1 %	0.1 %	0.1 %	
Chelated Iron (Fe) (EDTA)	0.1 %	0.1 %	0.1 %	
Water-soluble Manganese (Mn)	0.1 %	0.1 %	0.1 %	
Chelated Manganese (Mn) (EDTA)	0.1 %	0.1 %	0.1 %	
Total Molybdenum (Mo)	0.01 %	0.01 %	0.01 %	
Water-soluble Zinc (Zn)	0.1 %	0.1 %	0.1 %	
Chelated Zinc (Zn) (EDTA)	0.1 %	0.1 %	0.1 %	



Chelating agent: EDTA - Stability range of the chelated fraction: pH from 3 to 9.

Doses and administration	Crop	Foliar application	Dose g/hl
	All crops	Throughout the entire cycle	100-250

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings If mixed with other products it is advisable to check the compatibility and miscibility with preliminary tests.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble crystals	Ryzoleaf NPK 21-07-07 + 2 MgO + Micro 1 - 2.5 kg Jar, bag Ryzoleaf NPK 15-5-30 + 2 MgO + Micro and Ryzoleaf NPK 18-18-18 + Micro: 1 - 2.5 - 10 kg Jar, bag	2.5 - 6.5	40.0 - 85.0 dS/m	 Foliar application  Exclusive Agriges production technology

SOLVE DEFICIENCIES TO INCREASE YIELDS

MESO AND MICRONUTRIENTS LINE

- . AGRO MICRON PLUS
- . FLOW SHADE
- . FLUVOX
- . I'M LINE
- . I'M BIO-CALCIO AND I'M CALCIO
- . I'M FERRO
- . I'M MIX
- . KELA FER 500 WDG
- . KELA FER LQ Fe DTPA 6
- . MICRO MIX K
- . MIGAL BORO 15
- . MIGAL CALCIO 30
- . MYCRO KAL 45
- . MYCROBYO COMPLEX
- . MYCROBYO PLUS
- . PRYOTER CA/MG LQ
- . PRYOTER CALCIO LQ
- . ZYKAL

Agriges Meso and Micronutrients Line was created for preventing and solving crops nutrients deficiency problems through the use of products that are able to be **immediately absorbed both by root and foliar application**. The Line contains formulations with high translaminar capacity. Agriges Meso and micronutrients line ensures an **immediate positive response** by the plant, which will soon undergo a considerable intensification of the essential biological processes, thereby improving the quality and quantity of the final production.

- Prevents and treats deficiency-related physiological disorders
- Provides easily assimilable micronutrients
- Increases fruit consistency

Description Agro Micron Plus is a chelated micronutrient supplement that provides a high amount of totally available Magnesium, usable for foliar application. In synergy with the other micronutrients, Agro Micron Plus has a powerful greening action, with positive effects on photosynthetic activity and plant growth, and it prevents and cures numerous deficient pathological manifestations such as: leaf necrosis, stunted growth, apical bud atrophy, fruit pulp corkiness, branch dieback, leaf fall, stem fragility, and chlorosis. The product is applied from the appearance of the first symptoms of deficiency, repeating the treatments until before the harvest, to improve the quality of the production.

Composition	Total Magnesium Oxide (MgO)		Chelated Iron (Fe) (EDTA)	
	Total Boron (B)	12.5 %	Total Manganese (Mn)	1.5 %
Water-soluble Copper (Cu)	1.0 %	Total Molybdenum (Mo)	1.25 %	
Chelated Copper (Cu) (EDTA)	0.5 %	Total Zinc (Zn)	0.02 %	
Water-soluble Iron (Fe)	0.5 %		1.25 %	

Chelating agent: Ethylenediaminetetraacetic acid (EDTA) - Stability range of the chelated fraction: pH from 3 to 9

Doses and administration	Crop	Foliar application	Dose g/ha
	Tree crops	From spring resumption until post-flowering	100-150
	Horticultural crops	From the early phases until full growth or fructification	100-150
	Industrial crops	For all growth phases	100-150
	Ornamental crops	Throughout the entire cycle	100-150

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings If mixed with other products it is advisable to check the compatibility and miscibility with preliminary tests.



Formulation	Packages	pH	Conductivity
Powder soluble	1 - 2.5 - 10 kg Jar, bag	approx. 5.2	approx. 48.3 dS/m

Technical notes



Foliar application

- Protects leaves and fruits from damage caused by sunburns
- Promotes the plant's photosynthetic activity even under environmental stress conditions
- Increases water use efficiency

Description Flow Shade is a product that counteracts and reduces sunburn-related damage by reflecting harmful solar radiation and lowering the surface temperature of leaves and fruits, but without ever interfering with the plant's photosynthetic activity. By avoiding sunburn damage, which is a preferential way of entry for pathogenic organisms, Flow Shade also improves the plant's health and well-being. The product comes in an exclusive flowable formulation, which dries quickly, is not abrasive and does not clog the equipment being used, does not obstruct the stomata and can easily be removed with the normal post-harvesting cleaning operations.

Composition	Total Calcium Oxide (CaO)	Neutralizing value
	26.0 %	36

Doses and administration	Crop	Foliar application	Dose l/ha
	Tree crops (apple tree, citrus, pomegranate)	From fruit swelling and in case of water stress and high temperatures	1.5-2.0
	Horticultural crops (melon, pumpkin, watermelon, sweet pepper)	Upon transplanting, to be repeated within 1-2 weeks Upon berry growth and in case of water stress and high temperatures	1.0-2.0 1.5-2.0
	Industrial crops (tomato)	Upon transplanting, to be repeated within 1-2 weeks Upon berry growth and in case of water stress and high temperatures	1.0-2.0 1.5-2.0

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings If mixed with other products, carry out preliminary miscibility and compatibility tests first. Do not mix with mineral oils, alkaline reaction products (e.g. polysulphides), Copper-based.



Formulation	Packages	pH	Conductivity
Flowable	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 7.9	approx. 2.7 dS/m

Technical notes



Foliar application



Allowed in Organic Farming

- Prevents physiological disorders related to micro-deficiencies
- Increases the plant's photosynthetic efficiency and intensifies the tissue colour
- Reduces leaf fall phenomena

Description Fluvox is a formulation rich in Magnesium, Sulphur and micronutrients with a high re-greening and healing (or preventive) power with regard to any micronutrient deficiencies. Magnesium and Sulphur intervene in key metabolic processes such as chlorophyll photosynthesis, increasing their efficiency and intensifying the colour of tissues. Magnesium is also essential for the formation and accumulation of sugars, as well as facilitating the absorption of Phosphorus and Potassium, so that they can be transferred from the roots to the vegetative apices. Fluvox reduces the phenomena of leaf fall (pome fruit or pomaceae), rachis desiccation (vine), and internerval chlorosis (olive tree).


Composition				
	Water-soluble Magnesium Oxide (MgO)	19.3 %	Total Zinc (Zn)	0.1 %
Water-soluble Sulphur Trioxide (SO ₃)	38.0 %	Total Boron (B)	0.1 %	
Total Manganese (Mn)	2.0 %			

Doses and administration	Crop	Foliar application	Dose g/hl
	Tree crops	Starting from fruit setting, 3 to 4 applications	300-400
	Horticultural crops	Throughout the entire cycle	200-300
	Industrial crops	Throughout the entire cycle	200-300

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is advisable to carry out preliminary tests on small surfaces and on a limited number of plants, checking and reducing the dosages for sensitive crops and crops not expressly indicated. Do not mix with cupric products. In protected environments (e.g. greenhouses, tunnels, etc.), the dose should not exceed 150 g/hl. Applications should normally take place during the coolest hours of the day.



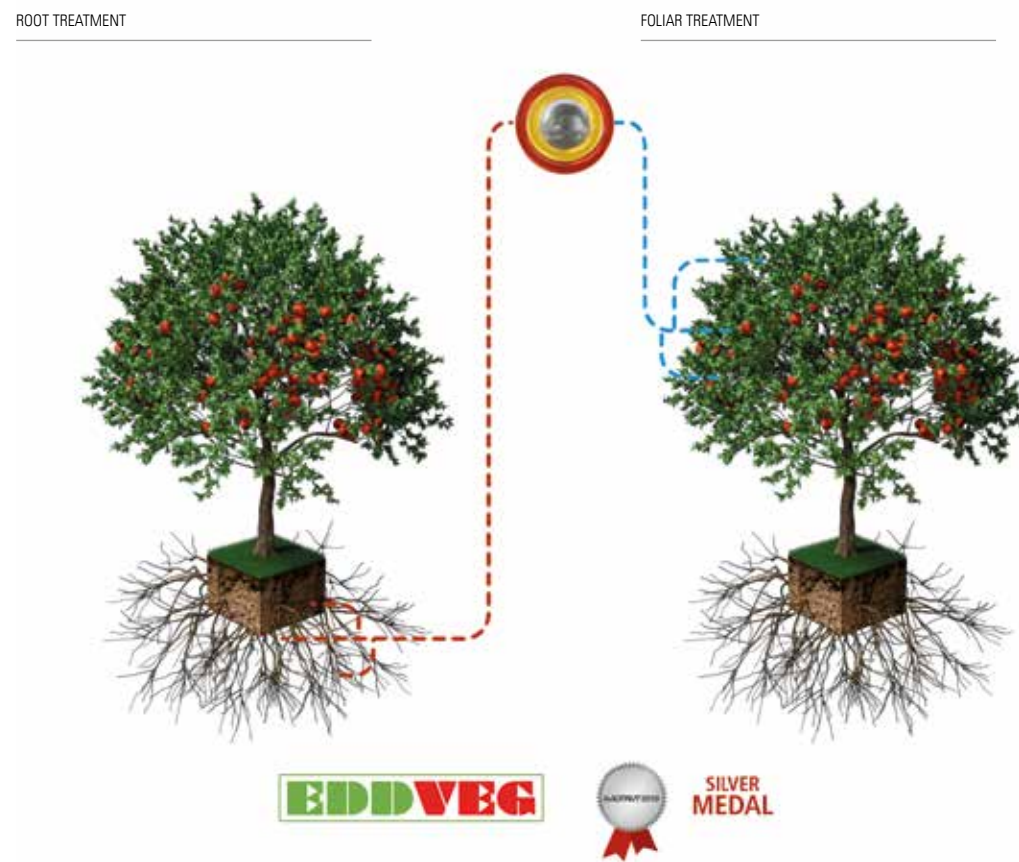
Formulation	Packages	pH	Conductivity	Technical notes
Water-dispersible micro-granules	2 - 8 kg Bag	approx. 3.9	approx. 39.2 dS/m	 Foliar application

EDDVEG is the innovative Agriges production technology that complexes the meso and micronutrients in a natural and sustainable way with lignosulphonates (LSA) and oligopeptides extracted through delicate enzymatic hydrolysis processes. EDDVEG is a completely natural and safe alternative to the traditional chemical chelators, which are less and less in demand on the side of large-scale retail trade, since both lignosulphonates and EDDVEG oligopeptides are fully biodegradable and thus ecological and sustainable for the environment.

The double complexation of EDDVEG guarantees maximum assimilation of the meso and micronutrients by the plants, both by foliar and root application, as it acts effectively by entering the cellular metabolism, where it performs several actions simultaneously:

- stimulates cellular activity in response to stress, cell proliferation and distension and fruit swelling;
- nourishes, being rich in organic nitrogen-based compounds in an already processed form;
- chelates nutrients.

Furthermore, EDDVEG promotes the translocation of nutrients, in particular of the less mobile ones (e.g. calcium) via the phloems, promoting their passage from leaves to fruits.



In 2019 the EDDVEG technology was awarded the prize of the MacFrut Innovation Award ("Pesticides and Fertilizers" category) organised by Cesena Fiera and L'Informatore Agrario to the solutions with the highest rate of progress in terms of functionality, use, technical concept, environmental impact, quality and safety.

· I'M · Bio-Calcio and · I'M · Calcio

Meso and Micronutrients Line

· I'M · Ferro

Meso and Micronutrients Line

— Organic calcium, for all crops

— It provides a high concentration of Calcium in flowable formulation

I'M Bio-Calcio is a product admitted in organic farming for all crops. Thanks to EDDVEG technology, I'M Bio-Calcio improves the assimilation and utilisation of calcium by the plant, preserving the shelf life of the crop after harvest.

Composition

Total (N) Nitrogen	2.0%	Total Calcium Oxide (CaO)	12.0%
Organic (N) Nitrogen	2.0%	Organic Carbon (C)	10.0%

Doses and administration

Crops	Foliar application	Dose ml/ha
Tree crops	From petals fall up to 2 weeks before harvesting	150-300
	Throughout the cycle up to 2 weeks before harvest	
Horticultural crops	Throughout the cycle	150-300
	2 weeks before harvest	
Industrial crops	Throughout the cycle	150-300
Colture	Application in fertigation	Dosi l/ha
All crops	From flowering to harvesting	10-15

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings

Consult the technical data sheet on the website.

I'M Calcio is a concentrated formulation of highly bio-available, with high wettability and reduced risk of phytotoxicity thanks to the unique EDDVEG production process which increases its absorption in the plant and greatly facilitates its transport up to the fruit.

Composition

Total Calcium Oxide (CaO)	31.0%	Total Boron (B)	0.2%
Calcium oxide (CaO) in the form of a complex	31.0%	Total Zinc (Zn)	2.0%

Complexing agent: ammonium lignosulfonate, EDDVEG. Stability range of the complexed fraction: pH 5 to 10.

Doses and administration

Crops	Foliar application	Dose ml/ha
Tree crops	From petals fall up to 2 weeks before harvesting	150-300
	Throughout the cycle up to 2 weeks before harvest	
Horticultural crops	Throughout the cycle	150-300
	2 weeks before harvest	
Industrial crops	Throughout the cycle	150-300
Crop	Application in fertigation	Dosi l/ha
Horticultural crops	From flowering to harvesting	10-20
Industrial crops	Throughout the vegetative cycle	10-20

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Avvertenze

Consult the technical data sheet on the website.

— EDDVEG increases and considerably facilitates iron absorption

— Is quickly assimilated and conveyed to the plant

— Improves photosynthetic efficiency and has a re-greening effect

Description

I'M Ferro is the latest innovation in the field of vegetable nutrition thanks to the exclusive EDDVEG production process, which allows creating a concentrated formulation that is rapidly absorbed by the root system and readily conveyed inside the plant tissues. This is possible because EDDVEG protects Iron from insolubility phenomena as well as unlocking the iron content that is naturally present in the soil. The EDDVEG technology consists of a double complexation achieved with ammonium lignosulphonate (ALS) and with a natural matrix of 100% vegetable origin, characterised by a low molecular weight and obtained by enzymatic hydrolysis. I'M Ferro considerably facilitates iron absorption while preventing and reducing the incidence of ferric chlorosis, even in limy and/or alkaline soils.

Composition

Water-soluble Iron (Fe)	5.0 %	Total complexed Iron (Fe)	5.0 %
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Complexing agent: ammonium lignosulfonate, EDDVEG. Stability range of the complexed fraction: from 2.5 to 9.

Doses and administration

Crop	In fertigation	Dose l/ha
Tree crops	Throughout the cycle	15-20
Horticultural crops	Throughout the cycle	15-20
Industrial crops	Throughout the cycle	15-20
Ornamental crops	Throughout the cycle	10-20

All crops	Foliar application	Dose ml/ha
	Throughout the cycle	200-400

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings

It is advisable to perform preliminary tests on small surfaces and on a limited number of plants, checking and, if necessary, reducing the dosages for sensitive crops that are not expressly indicated. Avoid mixing directly with products with a strong alkaline reaction, based on sulphur, mineral oils, emulsions, Bordeaux mixture and with products with a high phosphorus content.



Producing more,
producing healthy



Producing more,
producing healthy



Formulation

Soluble liquid

Packages

1 - 5 - 10 - 20 l
Bottle, jerrycan

pH

approx. 4.5

Conductivity

approx. 44.1 dS/m



Exclusive Agriges production technology



Allowed in Organic Farming



Foliar application



Fertigation

Formulation

Viscous fluid

Packages

1 - 5 - 10 l
Bottle, jerrycan

pH

approx. 8.6

Conductivity

approx. 2.0 dS/m



Foliar application



Fertigation



Exclusive Agriges production technology

Formulation

Soluble liquid

Packages

1 - 5 - 10 - 20 l
Bottle, jerrycan

pH

approx. 2.8

Conductivity

approx. 11.2 dS/m

Technical notes



Foliar application



In fertigation



Allowed in Organic Farming



Exclusive Agriges production technology



Producing more,
producing healthy

- Provides a mix of micronutrients with high nutritional effectiveness
- Is quickly assimilated and conveyed to the plant
- Raises the production level and improves crop growth

Description I'M Mix is an innovative liquid mixture of micronutrients complexed with the exclusive EDDVEG production process, which achieves a double nutrients complexation with lignosulphonate (ALS) and with oligopeptides extracted through a delicate enzymatic hydrolysis processes. EDDVEG is a 100% vegetable and sustainable solution, characterized by a low molecular weight, reduced phytotoxicity risks and which maximizes micronutrients assimilation and translocation in plants. In fact, both the lignosulphonates (LSA) and the vegetable oligopeptides in I'M Mix quickly enter the leaf as they are recognized by the plant as related substances. Once inside the plant, I'M Mix micronutrients are more easily translocated, preventing and / or solving problems of nutritional deficiencies. I'M Mix is allowed in organic farming.

Composition			
Boron (B) soluble in water	0.2 %	Manganese (Mn) soluble in water	0.2 %
Copper (Cu) soluble in water	0.2 %	Manganese (Mn) complexed	0.2 %
Copper (Cu) complexed	0.2 %	Molybdenum (Mo) soluble in water	0.1 %
Iron (Fe) soluble in water	5.2 %	Zinc (Zn) soluble in water	0.2 %
Iron (Fe) complexed	5.2 %	Zinc (Zn) complexed	0.2 %




Complexing agent for: copper, iron, manganese and zinc: ammonium lignosulfonate (ALS), EDDVEG. Stability range of the complexed fraction: from 2.5 to 9.

Crops	Foliar application	Dose ml/ha
Fruit trees	From formation of the fruit to harvest	150-300
Horticultural	From formation of the fruit to harvest	150-300
Industrial	From formation of the fruit to harvest	150-300
Ornamental	From formation of the fruit to harvest	150-300

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings When mixed, it is always recommended to carry out preliminary tests on miscibility and compatibility. Avoid mixing directly with products with strong alkaline reaction, with sulphur-based products, mineral oils.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 2.9	approx. 11,1 dS/m	 Foliar application  Exclusive Agriges production technology  Allowed in Organic Farming



Producing more,
producing healthy

- Prevents and reduces the incidence of iron chlorosis in limy and / or alkaline soils
- Immediate and prolonged re-greening effect over time
- Ideal in hydroponic farming, thanks to its remarkable solubility

Description Kelafer 500 WDG is a soluble Iron sequestrate in microcrystalline form, ideal for the prevention and treatment of iron chlorosis. It is characterised by a high concentration of EDDHA chelated Iron in the two isomeric forms, i.e. ortho-ortho and ortho-para. The ortho-ortho isomer exerts a long-term action: it regenerates the chelating capacity, protects the Iron from insolubility phenomena and unlocks that naturally present in the soil. The ortho-para isomer, on the other hand, performs a rapid action responding promptly to the plant's needs. Kelafer 500 WDG is particularly suitable for solving iron chlorosis problems in under most difficult soil conditions, where limy and / or alkaline soils enhance Iron immobilisation.

Composition			
Water-soluble Iron (Fe)	6.0 %	Chelated Iron (Fe) from ortho-ortho EDDHA	3.5 %
Iron (Fe) in chelated form	6.0 %	Chelated Iron (Fe) from ortho-para EDDHA	2.5 %


Chelating agents: (ortho-ortho) EDDHA and (ortho-para) EDDHA. Stability range of the chelated fraction: pH from 2 to 11.

Crop	Application in fertigation	Dose kg/ha
Tree crops	Throughout the entire crop cycle	20-30
Horticultural crops	Throughout the entire crop cycle	20-30
Industrial crops	Throughout the entire crop cycle	20-30
Ornamental crops	Throughout the entire crop cycle	20-30

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. At high temperatures, it is advisable to carry out the treatments towards evening.



Formulation	Packages	pH	Conductivity	Technical notes
Water-dispersible micro-granules	1.5 - 5 - 10 kg Bag	7.0 - 8.0	-	 In fertigation

Kelafer LQ Fe DTPA 6

Meso and
Micronutrients
Line

- Reduces the incidence of iron chlorosis
- Re-greening action even under difficult conditions (e.g. particularly iron-demanding crops)
- Ideal use on hydroponic crops thanks to its rapid absorption

Description Kelafer LQ Fe DTPA 6 is a soluble iron sequesterant in concentrated liquid form, ideal for the prevention and treatment of iron chlorosis. It is characterised by the presence of ammoniacal DTPA, which acts in an absolutely gentle way on the leaves so as not to cause any phytotoxicity to the plant. Iron chlorosis manifests itself by leaf yellowing and permanence of green veins (in the most serious cases the leaves necrotise), resulting in reduced photosynthetic activity and poor plant growth. Kelafer LQ Fe DTPA 6 guarantees a constant contribution of Iron to the plant, protecting it from the risks of physiological disorders while improving its photosynthetic activity.



Composition	Water-soluble Iron (Fe)	6.0 %	Iron (Fe) in chelated form with DTPA	6.0 %
Chelating agent: DTPA $Fe(NH_4)_2$ - Stability range of the chelated fraction: pH from 1.5 to 8.				

Doses and administration	Crop	Foliar application	Dose ml/hl
The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.	Tree crops	Throughout the entire cycle	80-120
	Horticultural crops	Throughout the entire cycle	80-120
	Industrial crops	Throughout the entire cycle	80-120

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Avoid mixtures with alkaline products or containing copper salts. Soilless crops: 500-1000 ml every 100 l of stock standard solution, dose to be adjusted according to the type of water used.



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Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 - 200 l Bottle, jerrycan, drum	approx. 7.3	approx. 19.5 dS/m	 Foliar application  Allowed in Organic Farming

Micro Mix K

Meso and
Micronutrients
Line

- Prevents physiological disorders related to micro-deficiencies
- Performs an energetic re-greening action
- Promotes a balanced development of plant tissues

Description Micro Mix K is a concentrate of trace elements specially designed to reactivate the plant's metabolism. The product contains EDTA chelated Iron, which gives it a high assimilability and much easier translocation into the plant tissues, so much so that the amount of Iron present in the product is completely active and available to the plant. Micro Mix K meets the main nutritional needs of the plant, preventing and treating many deficiency-related pathological manifestations, namely: leaf necrosis, stunted growth, apical bud atrophy, corky fruit pulp, branch dieback, leaf fall, stem fragility, stem chlorosis, etc. Micro Mix K prevents multiple micro-deficiencies, plays an energetic re-greening action and promotes the balanced development of plant tissues.

Composition	Total Boron (B)	2.0 %	Total Manganese (Mn)	5.0 %
Chelating agent: ethylenediaminetetraacetic acid (EDTA). Stability range of the chelated fraction: pH from 3 to 9.	Total Copper (Cu)	1.0 %	Total Molybdenum (Mo)	0.02 %
	Water-soluble Iron (Fe)	3.5 %	Total Zinc (Zn)	5.0 %
	EDTA chelated Iron (Fe)	3.5 %		




Doses and administration	Crop	Foliar application	Dose g/hl
The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.	Tree crops	From spring resumption until post-flowering	100-200
	Horticultural crops	Throughout the entire cycle	100-200
	Industrial crops	Throughout the entire cycle	100-200
	Ornamental crops	Throughout the entire cycle	100-200

Application in fertigation	Dose kg/ha
All crops	Throughout the entire cycle 1.5-4.0

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Avoid mixing directly with products with a strong alkaline reaction. The product should be poured directly into the barrel with the stirrer turned on.



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Formulation	Packages	pH	Conductivity	Technical notes
Powder soluble	1 - 2.5 - 8 kg Bag	approx. 2.2	approx. 31.1 dS/m	 Foliar application  Allowed in Organic Farming  In fertigation

Migal Boro 15

Meso and Micronutrients Line

- Promotes optimum flowering and greater fruit setting
- Prevents and treats deficiency-related physiological disorders
- Raises the production level and improves crop growth

Description Migal Boro 15 is a high-quality fertilizer with an important content of Boron, which is made even more special thanks to the presence of an organic molecule in a special formulation that performs a carrier action capable of improving Boron absorption through the leaves. Ready-to-use Boron is essential for optimum flowering and fruit setting. The liquid formulation and the high concentration of Boron in Migal Boro 15 ensure both an easy and uniform distribution and a quick effectiveness of action. Applications of Migal Boro 15 solve common boron-deficiencies in alkaline, limy and / or dry soils, thus preventing and treating deficiency-related physiological disorders.



Composition Water-soluble Boron (B) 11.0 %

	Crop	Foliar application	Dose ml/ha
Doses and administration	Tree crops	In pre-flowering until fruit setting	80-150
	Horticultural crops	Throughout the entire cycle	80-150
	Industrial crops	Throughout the entire cycle	100-200
	Ornamental crops	Throughout the entire cycle	80-150

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings The product can entail drawbacks if distributed with cupric products. Mixing with white oils and formulations with a strong alkaline or acid reaction is not recommended, and in any case it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 8.5	approx. 12.3 dS/m	 Foliar application  Allowed in Organic Farming

Migal Calcio 30

Meso and Micronutrients Line

- Prevents and treats physiological disorders related to calcium-deficiency
- Gives the fruits consistency
- Increases resistance to rots and post-harvesting physiological disorders

Description Migal Calcio 30 is a formulation with a high Calcium concentration. The sophisticated liquid formulation and the purity of Migal Calcio 30 components guarantee ease of use, practicality in dosing and high efficacy of action. Migal Calcio 30 prevents and treats: cracking and poor texture of stone fruit, marginal drying of lettuce, endive and escarole leaves, bitter pit and poor consistency of apples, apical rot in fruits of the Solanaceae family. Migal Calcio 30 gives fruits consistency, increasing their resistance to pathogenic attacks even in the post-harvesting phase.

Composition Water-soluble Calcium Oxide (CaO) 16.0 %




	Crop	Foliar application	Dose ml/ha
Doses and administration	Tree crops	Throughout the entire cycle	150-200
	Horticultural crops	Throughout the entire cycle	150-200
	Industrial crops	Throughout the entire cycle	150-200
	Ornamental crops	Throughout the entire cycle	150-200

	Application in fertigation	Dose l/ha
All crops	Throughout the entire cycle	10-15

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings The product can entail drawbacks if distributed with cupric products and/or products with a strong alkaline or acid reaction, and in any case, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 - 1000 l Bottle, jerrycan, cistern	approx. 6.9	approx. 49.1 dS/m	 Foliar application  In fertigation  Allowed in Organic Farming

Mycro Kal 45

Meso and
Micronutrients
Line

- Improves the carpometric characteristics of fruits
- Reduces russeting phenomena on various fruit trees
- Improves the plant's resistance to excess heat

Description Mycro Kal 45 is a mixture of micronutrients able to improve crop productivity and fortify plants in environmental stress cases. Its high concentration of Boron allows Mycro Kal 45 to optimise fruit setting, reduce blossom drop and increase the fertility of the pollen tube. Mycro Kal 45 improves the carpometric characteristics of the fruits and reduces russeting phenomena (often due to environmental factors) on various fruit trees (e.g. pome fruit). Moreover, thanks to the synergistic action with Silicon, Mycro Kal 45 improves the use of calcium by the plant and allows conveying a more interesting amount of the latter towards the fruit. The presence of Silicon reinforces the leaf epidermis, giving tissues greater mechanical resistance.

Composition	Water-soluble Boron (B)	4.0 %	Water-soluble Zinc (Zn)	0.5 %
	Water-soluble Manganese (Mn)	0.5 %		
The product is enriched with hydrated silicon oxides ensuring a concentration in silicon oxide of 45%.				



Doses and administration	Crop	Foliar application	Dose g/hl
	Tree crops	Starting from flowering, 5 to 6 applications every 7-8 days	200-250
	Horticultural crops	Throughout the entire cycle	200-250
	Industrial crops	Throughout the entire cycle	200-250

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Do not mix with cupric formulations and white oils.



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Formulation	Packages	pH	Conductivity	Technical notes
Soluble powder	2.5 - 5 - 10 kg Bucket	approx. 5.4	approx. 40.1 dS/m	 Foliar application  Allowed in Organic Farming

Mycrobyo Complex

Meso and
Micronutrients
Line

- Prevents physiological disorders related to micro-deficiencies
- Provides easily assimilable micronutrients
- Performs an energetic re-greening action

Description Mycrobyo Complex is a fertilizer based on micronutrients specially designed to meet the plant's nutritional needs. The formulation, usable for foliar application and in fertigation, prevents and treats many deficiency-related pathological manifestations, namely: leaf necrosis, stunted growth, apical bud atrophy, fruit pulp corkiness, branch dieback, leaf fall, stem fragility, chlorosis, etc. Some of the elements contained in Mycrobyo Complex are in chelated form, which particularly facilitates their absorption by plant tissues. Mycrobyo Complex is characterised by a powerful re-greening action observable from the first applications, allowing the plant to photosynthesise more effectively and to produce a greater quantity of compounds that can be accumulated in the fruits.

Composition	Total Boron (B)	3.0 %	EDTA chelated Iron (Fe)	5.0 %
	Water-soluble Copper (Cu)	1.5 %	Total Manganese (Mn)	5.0 %
	EDTA chelated Copper (Cu)	1.5 %	Total Molybdenum (Mo)	0.05 %
	Water-soluble Iron (Fe)	5.0 %	Total Zinc (Zn)	5.5 %

Chelating agent of the Iron and Copper: Ethylenediaminetetraacetic acid (EDTA). Stability interval of the chelated fraction: pH from 3 to 9.

Doses and administration	Crop	Foliar application	Dose g/hl
	Tree crops	Starting from flowering, 5 to 6 applications every 7-8 days	50-100
	Horticultural crops	Throughout the entire cycle	50-100
	Industrial crops	Throughout the entire cycle	50-100
	Ornamental crops	Throughout the entire cycle	50-100




Application in fertigation		Dose kg/ha
All crops	Throughout the entire cycle	1.5-4.0

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. The dosages are to be adjusted depending on the amount of Iron available in the soil, on the density of planting and on the crop requirements. Avoid mixing directly with products with a strong alkaline reaction.



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Formulation	Packages	pH	Conductivity	Technical notes
Water-dispersible micro-granules	2.5 - 5 - 10 kg Jar, bag	approx. 5.1	approx. 20.0 dS/m	 Foliar application  In fertigation  Allowed in Organic Farming

- Provides a balanced mix of micronutrients
- Promotes the correct development of the plant
- Prevents and treats several physiological disorders related to micronutrient deficiencies

Description Mycrobyo Plus is a formulation rich in chelated micronutrients and is also used in Organic Farming to meet the crops' main physiological needs. Mycrobyo Plus significantly improves the quality of productions, preventing and treating many deficiency-related pathological manifestations. We recommend applications of Mycrobyo Plus from the very first growth phases so as to prevent nutritional deficiencies or upon onset of the first symptoms of deficiency, repeating the treatments until their disappearance. For nutritional purposes.

Composition				
Total Boron (B)	3.0 %	EDTA chelated Iron (Fe)	2.5 %	
Water-soluble Copper (Cu)	1.5 %	Total Manganese (Mn)	5.0 %	
EDTA chelated Copper (Cu)	1.5 %	Total Molybdenum (Mo)	0.05 %	
Water-soluble Iron (Fe)	2.5 %	Total Zinc (Zn)	5.5 %	

Chelating agent: Ethylenediaminetetraacetic acid (EDTA). Stability interval of the chelated fraction: pH from 3 to 9.




Doses and administration	Crop	Foliar application	Dose g/ha
	Tree crops	Starting from flowering, 5 to 6 applications every 7-8 days	50-130
	Horticultural crops	Throughout the entire cycle	50-130
	Industrial crops	Throughout the entire cycle	50-130
	Ornamental crops	Throughout the entire cycle	50-130

	Application in fertigation	Dose kg/ha
All crops	Throughout the entire cycle	1.5-4.0

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. The dosages are to be adjusted depending on the amount of Iron available in the soil, on the density of planting and on the crop requirements. Avoid mixing directly with products with a strong alkaline reaction.



Formulation	Packages	pH	Conductivity	Technical notes
Water-dispersible micro-granules	1 - 2.5 - 5 - 10 kg Jar, bag	approx. 5.2	approx. 37.3 dS/m	 Foliar application  In fertigation  Allowed in Organic Farming

- Prevents and treats physiological disorders related to Calcium and Magnesium deficiency
- Is quickly assimilated into plant tissues
- Improves and prolongs the shelf life of fruits

Description Pryoter Ca/Mg LQ is an innovative liquid fertilizer that combines rapid and effective action with uniformity of distribution. In Pryoter Ca/Mg LQ the two mesoelements are readily assimilated by the plant thanks to the action of the particular molecules contained in the formulation. Pryoter Ca/Mg LQ promotes the harmonious shelf life of the fruits. The direct involvement of Calcium and Magnesium in the formation of pectates makes Pryoter Ca/Mg LQ an ideal product for the production of fruit with good consistency and resistance to handling and/or cold storage. Its use is ideal in abnormal, tired soils and in forced cultivations, as well as under stress conditions.

Composition			
Water-soluble Calcium Oxide (CaO)	12.0 %	Water-soluble Magnesium Oxide (MgO)	3.0 %



Doses and administration	Crop	Foliar application	Dose ml/ha
	Tree crops	Starting from fruit swelling; Stone fruit: 100-150 ml/ha	200-250
	Horticultural crops	Starting from fruit swelling	150-300
	Industrial crops	Throughout the entire cycle	150-300
	Ornamental crops	Throughout the entire cycle	100-150

	Application in fertigation	Dose l/ha
Tree crops	From fruit setting until harvesting	15-25
Horticultural and industrial crops	From fruit setting onwards	15-25
Ornamental crops	Throughout the entire cycle	10-20

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Avoid combining with cupric products, oil-based products, alkaline reaction products and products containing Phosphorus.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 l Bottle, jerrycan	approx. 7.5	approx. 50.7 dS/m	 Foliar application  In fertigation

Pryoter Calcio LQ

Meso and Micronutrients Line

- Promptly solves Calcium deficiency-related physiological disorders
- Is quickly assimilated into plant tissues
- Improves and prolongs the shelf life of fruits

Description Pryoter Calcio LQ is a liquid fertilizer rich in Calcium, an essential element to promote a balanced and harmonious development of the plant. Calcium is an element characterised by poor mobility in plant tissues, to the detriment of fruit and productivity. Pryoter Calcio LQ carries Calcium to plant tissues more easily while performing at the same time an intense phytostimulant and rebalancing action on the plant. This formulation is able to quickly solve the physiological disorders related to calcium deficiencies that are quite frequent in soils with acid pH values. Pryoter Calcium LQ strengthens the cell walls of the fruits, whereby it significantly improves the quality and quantity of production.




Composition	Water-soluble Calcium Oxide (CaO)	12.0 %
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Doses and administration	Crop	Foliar application	Dose ml/hl
	Tree crops	Starting from fruit swelling; Stone fruit: 100-150 ml/hl	200-250
Horticultural crops	Starting from fruit swelling	150-300	
Industrial crops	Throughout the entire cycle	150-300	
Ornamental crops	Throughout the entire cycle	100-150	
		Application in fertigation	Dose l/ha
Tree crops	From fruit setting until harvesting	15-25	
Horticultural and industrial crops	From fruit setting onwards	15-25	
Ornamental crops	Throughout the entire cycle	10-20	

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests on a limited number of plants. Avoid mixing with cupric products, oil-based products, alkaline reaction products and products containing Phosphorus.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 - 1000 l Bottle, jerrycan, Cistern	approx. 7.4	approx. 55.3 dS/m	 Foliar application  In fertigation  Allowed in Organic Farming

Zykal

Meso and Micronutrients Line

- Increases resistance to fruit handling in post-harvesting
- Promotes the synthesis of tryptophan
- Stimulates the cellular multiplication of meristems and growing organs

Description Zykal supplements in a targeted and rapid manner the nutritional requirements of crops in terms of Calcium and Zinc. The product performs a dual actions, both on the plant and on the soil. Zykal accelerates cell multiplication, especially of apical meristems and growing organs, while promoting the synthesis of tryptophan, a pre-cursor of auxins, which results in greater growth of buds and fruits. Thanks to the high Calcium content, Zykal improves pectin production, which results in increased resistance to post-harvesting fruit handling. Finally, Zykal improves the chemical and physical characteristics of the soil thanks to Calcium, which removes sodium from mineral colloids, performing a desalination and structuring action.



Composition	Water-soluble Calcium Oxide (CaO)	17.0 %	Water-soluble Zinc (Zn)	1.0 %
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Doses and administration	Crop	Application in fertigation	Dose l/ha
	Tree crops	Throughout the entire cycle	15-30
Horticultural crops	Throughout the entire cycle	15-25	
Industrial crops	Throughout the entire cycle	15-25	
Ornamental crops	Throughout the entire cycle	10-15	

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, it is always advisable to carry out preliminary miscibility and compatibility tests, checking and reducing the dosages for sensitive crops and crops not expressly indicated. Avoid mixing with Phosphorus and Sulphur-based products.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1 - 5 - 10 - 20 - 200 - 1000 l Bottle, jerrycan, drum, cistern	approx. 5.9	approx. 52.0 dS/m	 In fertigation  Allowed in Organic Farming

HIGH
SOLUBILITY FOR
ASSURED
EFFECTIVENESS



**SPECIAL
FERTIGATORS
LINE**

- . BUystar EXTRA ACID LINE
- . BUystar EXTRA LINE
- . CRONOS 15 AND CRONOS EKO
- . ECOGES
- . FAR.CAL
- . NUTRI-UMIX LINE
- . PARTNER LINE
- . PHOSFAL N /P 300 /K
- . PHOSFAL NP AND NK LINE
- . PHOSFY MAG 307
- . POTASSIO 30
- . THIO-ACID

Agriges Special Fertigators are specific and versatile products, in concentrations and ratios specially designed to **ensure the satisfaction of every stage of development and crop demand**. Agriges offers a wide range of fertilizers in powder soluble or liquid formulation, with meso and micronutrients that are characterised by high solubility, purity and exclusive production technologies to increase their effectiveness of action.

- Raw materials of extreme purity and acid pH
- Neutralises bicarbonate ions in water
- RyZea improves root uptake and chelates nutrients

Description Buystar Extra Acid is the innovative line of fertigators that is the result of a careful and constant search for new solutions to the demands of the market, which is increasingly attentive to formulated quality and environmental sustainability. The products in the Buystar Extra Acid line are characterised by raw materials of extreme purity and acid pH. In addition, they stand out for their ability to reduce the amount of bicarbonate ions in the nutrient solution and exponentially increase the amount of absorbed nutrients. Finally, the presence of RyZea, the natural activator of plant metabolism, enriches the formulations with components that can stimulate plant growth and development, ensuring high production yields and increasing resistance to adversity.

	Buystar Extra NPK	N tot	N amm	N nit	N ureico	P ₂ O ₅	K ₂ O	CaO	SO ₃
Composition	8-24-16 + 10 CaO	8.0 %	-	7.0 %	1.0 %	24.0 %	16.0 %	10.0 %	-
	12-11-30 + Micro ¹	12.0 %	3.0 %	9.0 %	-	11.0 %	30.0 %	-	4.5 % *
	12-30-20 acid	12.0 %	5.0 %	6.0 %	1.0 %	30.0 %	20.0 %	-	-
	13-8-21 + 9 CaO	13.0 %	-	11.0 %	2.0 %	8.0 %	21.0 %	9.0 %	-
	13-9-35 acid	13.0 %	-	10.0 %	3.0 %	9.0 %	35.0 %	-	-
	16-8-24 + 2 MgO + Micro ²	16.0 %	-	7.0 %	9.0 %	8.0 %	24.0 %	-	4.5 % *

Data not shown on the label.

1 Micro-nutrient composition in Buystar Extra NPK 12-11-30 + Micro

Micro-nutrient	Total Boron (B)	0.03 %	Chelated Iron (Fe) EDTA	0.06 %	Water-soluble Molybdenum (Mo)	0.006 %
	Water-soluble Copper (Cu)	0.007 %	Chelated Iron (Fe) EDDHA	0.02 %	Water-soluble Zinc (Zn)	0.09 %
	Chelated Copper (Cu) EDTA	0.007 %	Water-soluble Manganese (Mn)	0.07 %	Chelated Zinc (Zn) EDTA	0.09 %
	Total Iron (Fe)	0.08 %	Chelated Manganese (Mn) EDTA	0.07 %		

Stability range of the fraction chelated: from 1.5 to 8.

2 Micro-nutrient composition in Buystar Extra NPK 16-8-24 + 2 MgO + Micro

Micro-nutrient	Water-soluble Magnesium oxide (MgO)	2.0 %	Total Iron (Fe)	0.08 %	Chelated Manganese (Mn) EDTA	0.06 %
	Total Boron (B)	0.02 %	Chelated Iron (Fe) EDTA	0.06 %	Water-soluble Molybdenum (Mo)	0.006 %
	Water-soluble Copper (Cu)	0.006 %	Chelated Iron (Fe) EDDHA	0.02 %	Water-soluble Zinc (Zn)	0.05 %
	Chelated Copper (Cu) EDTA	0.006 %	Water-soluble Manganese (Mn)	0.06 %	Chelated Zinc (Zn) EDTA	0.05 %



Stability range of the fraction chelated: from 1.5 to 8.

	Crops	In Fertigation
Doses and administration	All crops	Throughout the development cycle, 25 kg/ha
	Soilless and hydroponics	Use the product to prepare a mother solution at a maximum concentration of 15-20% and dilute in irrigation water in the expected proportion for the crop.

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings When mixed with other products, it is always recommended to carry out preliminary tests of miscibility, especially with formulations containing Calcium, and of compatibility on small areas. It is recommended to not apply it with products with strong alkaline reaction. In a mixture with organic substance, for potted plants and in a shielded environment, test and possibly reduce the dosage. Do not exceed the concentration of 2 g/l.



Formulation	Buystar Extra NPK	pH	Conductivity (sol. 10%):	Bicarbonate reduction value	Note
Soluble microcrystals	8-24-16+10 CaO	2.5	approx. 52.7 dS/m	approx. 24 mg/l HCO ₃ ⁻	In fertigation  Exclusive Agriges production technology
	12-11-30 + Micro	4.9	approx. 79.8 dS/m	approx. 24 mg/l HCO ₃ ⁻	
Packages	13-9-35 acid	1.8	approx. 78.4 dS/m	approx. 24 mg/l HCO ₃ ⁻	
	12-30-20 acid	2.9	approx. 60.0 dS/m	approx. 24 mg/l HCO ₃ ⁻	
	13-8-21 + 9 CaO	1.9	approx. 68.6 dS/m	approx. 24 mg/l HCO ₃ ⁻	
	16-8-24+2 MgO + Micro	1.9	approx. 66.8 dS/m	approx. 24 mg/l HCO ₃ ⁻	
10 - 25 kg Bag					

- Ready-to-use energy source
- Provides fully soluble pure nutrients
- Thanks to RyZea, improves root absorption and chelates nutrients




Description Buystar Extra is the line of microcrystalline fertigants characterised by full and immediate solubility, extreme purity of raw materials and the presence of RyZea, the natural biological activator that enriches the special formulations of components capable of enhancing the plant metabolism, the telluric activity and the nutritional value of the circulating solution. This is possible by the exclusive RyZea production technology, which stimulates the biological activity and the enzymatic processes of the soil, increases the nutritional value of the circulating solution, which has a physiologically acid reaction that is, therefore, able to unblock the nutrients in the soil. In conclusion, the Buystar Extra line ensures high production yields as well as increasing resistance to adversities.

Composition		Total Nitrogen (N)	Nitric Nitrogen (N)	Ammoniacal Nitrogen (N)	Urea Nitrogen (N)		Water-soluble Phosphorus Pentoxide (P ₂ O ₅)	Water-soluble Potassium Oxide (K ₂ O)	Water-soluble Magnesium Oxide (MgO)	Water-soluble Calcium Oxide (CaO)
NP	15-30 + 2 MgO	15.0 %	-	15.0 %	-		30.0 %	-	2.0 %	25.0 %
	15-30 + 4 MgO	15.0 %	-	12.0 %	3.0 %		30.0 %	-	4.0 %	20.0 %
	15-40 + 16 SO ₃	15.0 %	-	15.0 %	-		40.0 %	-	-	16.0 %
	21-07 + 3 MgO	21.0 %	-	14.0 %	7.0 %		7.0 %	-	3.0 %	35.0 %
	25-05	25.0 %	-	15.0 %	10.0 %		5.0 %	-	-	35.0 %
NK	14-0-34 + 4 MgO	14.0 %	10.0 %	-	4.0 %		-	34.0 %	4.0 %	8.0 %
	5-52	5.0 %	5.0 %	-	-		-	52.0 %	-	-
NPK	8-10-32 + 5 MgO	8.0 %	6.0 %	2.0 %	-		10.0 %	32.0 %	5.0 %	-
	8-24-24	8.0 %	2.0 %	6.0 %	-		24.0 %	24.0 %	-	18.0 %
	9-18-27 + 2 MgO	9.0 %	5.5 %	3.5 %	-		18.0 %	27.0 %	2.0 %	-
	10-18-32	10.0 %	6.5 %	3.5 %	-		18.0 %	32.0 %	-	-
	10-44-10 + 2 MgO	10.0 %	-	7.0 %	3.0 %		44.0 %	10.0 %	2.0 %	-
	10-50-10	10.0 %	2.0 %	8.0 %	-		50.0 %	10.0 %	-	-
	15-05-25	15.0 %	7.0 %	8.0 %	-		5.0 %	25.0 %	-	19.0 %
	15-05-30 + 13 SO ₃	15.0 %	8.5 %	5.5 %	1.0 %		5.0 %	30.0 %	-	13.0 %
	18-18-18	18.0 %	5.5 %	5.5 %	7.0 %		18.0 %	18.0 %	-	-
	20-05-10	20.0 %	3.0 %	12.0 %	5.0 %		5.0 %	10.0 %	-	26.0 %
	20-05-20	20.0 %	6.0 %	7.0 %	7.0 %		5.0 %	20.0 %	-	14.0 %
	20-20-20	20.0 %	5.6 %	4.0 %	10.4 %		20.0 %	20.0 %	-	-
	24-05-05 + 18 SO ₃	24.0 %	2.0 %	12.0 %	10.0 %		5.0 %	5.0 %	-	18.0 %
	25-05-15	25.0 %	4.0 %	4.0 %	17.0 %		5.0 %	15.0 %	-	-
	30-05-05	30.0 %	1.5 %	7.5 %	21.0 %		5.0 %	5.0 %	-	-

	Crop	Application in fertigation	Dose kg/ha
Doses and administration	Tree crops	Throughout the entire development cycle	20-50
	Horticultural crops	Throughout the entire development cycle	20-50
	Industrial crops	Throughout the entire development cycle	20-50
	Ornamental crops	Throughout the entire development cycle	25-40

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products it is always advisable to carry out preliminary miscibility tests, especially with calcium-containing formulations, and compatibility tests on small surfaces. It is advisable not to apply it with products having a strong alkaline reaction. When mixed with organic matter, for potted plants and in protected environments, check and - if necessary - reduce the dosage. Do not exceed a concentration of 2 g/l.

Formulation	Packages	pH	Conductivity	Technical notes
Soluble microcrystals	10 - 25 kg Big bag, small bag	2.5-4.5	40.0-85.0 dS/m	In fertigation  Exclusive Agrigres production technology

Cronos 15 and Cronos Eko

Special Fertigators Line

Ecoges

Special Fertigators Line

- Improves the chemical-physical properties of agricultural soils making them more fertile

Cronos 15 is a natural product based on humic acids extracted from North Dakota Leonardite, specifically designed to restore soil fertility and improve its characteristics. Humic acids create bonds with soil nutrients improving their availability for the plant, with positive effects on fertility and on the chemical-physical properties of the soil.

Composition

Organic matter on the product as is	12.0 %
Characteristics in weight percentage on the dry matter:	
Total organic matter	60.0 %
Humified organic matter in percentage on the organic matter	80.0 %
Organic Nitrogen (N)	0.4 %
C/N ratio	75

Doses and administration

Crops	Application in fertigation	Dose l/ha
All crops	From the early stages and during development	20-25

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings

In the case of a mixture, carry out miscibility and compatibility tests first. We do not recommend using the product with acid pH mixtures.

- Unlocks soil nutrients thanks to acid pH

Cronos Eko is a natural product based on Leonardite from North Dakota, rich in humic acids and highly humified organic molecules which is characterized by an acid pH and the presence of humic acids with low molecular weight.

Composition

Organic Nitrogen (N) on dry	0.6 %
Organic Carbon (C) on dry	40.0 %
Organic Carbon (C) extractable on total organic carbon	65.0 %
Organic Carbon (C) humified on extractable organic carbon	70.0 %
Organic substance on dry	80.0 %
Organic substance extractable in % on organic substance	65.0 %
Organic substance humified in % on extractable organic substance	70.0 %

Doses and administration

Crops	Application in fertigation	Dose l/ha
Tree and Horticultural crops	From the early stages and throughout the cycle	10-15
Industrial and ornamental crops	From post-transplantation and throughout growth	5-10

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings

Consult the technical data sheet on the website.

- Provides amino acids 100% of vegetable origin
- Indicated for application on sandy, very exploited and not very fertile soils
- Increases the amount of nutrients absorbed through the roots

Description

Ecoges is an organic fertilizer that provides the soil with a significant amount of organic matter, very important for its chemical and physical characteristics. The product is obtained through the processing and fermentation of 100% vegetable origin raw materials thanks to which Ecoges is rich in noble proteins and amino acids, which perform important functions, in particular on the plants' root systems. Actually, Ecoges improves the capacity to suck the nutrients present in the circulating soil solution, provides gradually available organic Nitrogen and Potassium and stimulates the formation of a vigorous root system. Finally, Ecoges is particularly suitable for poor, very exploited and therefore not very fertile soils.

Composition

Organic Nitrogen (N)	3.0 %	Organic Carbon (C) of biological origin	13.5 %
Water-soluble Potassium Oxide (K ₂ O)	5.0 %		

Doses and administration

Crop	Application in fertigation	Dose l/ha
Tree crops	From vegetative resumption and throughout the entire vegetative cycle	15-20
Horticultural crops	Following transplanting and throughout the entire vegetative cycle	15-20
Industrial crops	Throughout the entire vegetative cycle	15-20
Ornamental crops	Throughout the entire vegetative cycle	10-15

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings

In case of mixture, carry out preliminary miscibility and compatibility tests first. We do not recommend mixing with formulations with a strong acid or alkaline reaction and with cupric products; where necessary, dilute these products to the dose of use before mixing. In the case of soil fertigation with a sprayer or furrower, consider a minimum water / fertilizer ratio of 1:10.



Producing more, producing healthy



Formulation

Soluble liquid

pH

approx. 11.7



Packages

1 - 5 - 10 - 20 - 120 - 200 - 1000 l
Bottle, jerrican, drum, cistern

Conductivity

approx. 7.2 dS/m

Formulation

Liquid suspension

pH

approx. 4.5



Packages

1 - 5 - 10 - 20 - 120 - 200 - 1000 l
Bottle, jerrican, drum, cistern

Conductivity

approx. 6.3 dS/m

Formulation

Soluble liquid

Packages

20 - 120 - 200 - 1000 l
Jerrycan, Drum, Cistern

pH

approx. 7.3

Conductivity

approx. 25.5 dS/m

Technical notes



- Prevents and treats physiological plant disorder related to calcium deficiency
- Maximises both leaf and root assimilation
- Raises quality and guarantees greater production

Description Far.Cal is an innovative formulation that combines gel technology with high content of Calcium, Nitrogen and precious microelements in a solubilised and highly assimilable form. Far.Cal is particularly effective for preventing or treating micronutrient deficiencies and for improving the final quality of production. Far.Cal gives texture to the tissues, promoting a longer and better shelf life of the fruits, reduces the phenomena of “cracking” in stone fruits, bitter pit in apple trees and apical rots in the Solanaceae, as well as raising the quality and guarantees a greater production.



Composition	Far.Cal		Special Fertigators Line	
	Content	%	Content	%
	Total Nitrogen (N)	10.0 %	EDTA chelated Copper (Cu)	0.03 %
	Nitric Nitrogen (N)	10.0 %	EDTA chelated Iron (Fe)	0.05 %
	Water-soluble Calcium Oxide (CaO)	15.0 %	EDTA chelated Manganese (Mn)	0.05 %
	Water-soluble Magnesium Oxide (MgO)	2.0 %	Water-soluble Molybdenum (Mo)	0.001 %
	Water-soluble Boron (B)	0.05 %	EDTA chelated Zinc (Zn)	0.002 %

Doses and administration	Crop	Foliar application	Dose ml/ha	
		Tree crops	From post-flowering until ripening	150-250
Horticultural crops		From post-flowering until ripening	150-250	
Industrial crops		From post-flowering until ripening	150-250	
Ornamental crops		Throughout the entire cycle	100-200	
		Application in fertigation	Dose l/ha	
		All crops	Throughout the entire cycle	15-20

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, carry out preliminary miscibility and compatibility tests first, especially on sensitive crops. For foliar application and in fertigation, perform 3 to 5 treatments. For crops in greenhouses or tunnels, decrease dosages by 20%.



Formulation	Packages	pH	Conductivity	Technical notes
Gel	1 - 5 - 10 - 20 l / Bottle, jerrycan	approx. 6.2	approx. 47.2 dS/m	 Foliar application  In fertigation

- Promotes a balanced growth of the crop
- Chelates the nutritive elements and promotes their absorption through the roots
- Improves the long-term structure and fertility of the soil

Description Nutri-Umix Line is born from the union of extremely valuable matrices, with high energising and phyto-activating power in order to improve root absorption, restore soil fertility and improve its chemical and physical characteristics. Protein hydrolysates stimulate growth, provide Nitrogen and facilitate root absorption, while promoting the soil microbiological activity. The Leonardite-derived humic acids from North Dakota create bonds with soil nutrients, increasing their availability to the plant, stimulating the formation of new roots and improving soil fertility in the long term. Polysaccharides and betaine allow overcoming stress phases (e.g. thermal and water stress conditions) and nutritional availability prolonged over time. Nutri-Umix Line contributes to a balanced growth of the plant, improves root absorption and stimulates abundant and quality production.



Composition	NUTRI-UMIX 560		NUTRI-UMIX 660		NUTRI-UMIX 800	
	Content	%	Content	%	Content	%
	Organic Nitrogen(N)	5.6%	Organic Nitrogen(N)	6.6%	Organic Nitrogen(N)	8.0%
	Water-soluble organic Nitrogen (N)	5.6%	Water-soluble organic Nitrogen (N)	6.6%	Water-soluble organic Nitrogen (N)	8.0%
	Organic Carbon (C) of biological origin	18.0%	Organic Carbon (C) of biological origin	21.0%	Organic Carbon (C) of biological origin	25.0%
	Organic matter	36.0%	Organic matter	42.0%	Organic matter	50.0%

Doses and administration	Crop	Application in fertigation	Dose l/ha
		Tree crops	From vegetative resumption and throughout the cycle
Horticultural crops		From vegetative resumption/throughout the cycle	20-25
Industrial crops		From vegetative resumption/throughout the cycle	20-25
Ornamental crops		From post-transplanting and throughout growth	15-25

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, carry out preliminary miscibility and compatibility tests first. Do not apply copper-based products, in particular on sensitive crops, and in any case it is advisable to carry out preliminary tests on small surfaces and on a limited number of plants.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	5 - 10 - 20 - 120 - (200) - 1000 l Jerrycan, drum, cistern	6.8 - 7.1	17.1 - 21.8 dS/m	 In fertigation  Allowed in Organic Farming

- Is a ready-to-use energy source
- Improves metabolism and nitrogen assimilation
- Chelates nutrients and improves root uptake

Description Partner Line consists of five formulations with a high content of organic Nitrogen, valuable for their purity and high concentration of levogyrous free amino acids, such as arginine, proline, threonine, lysine, which play a key role for the formation of new plant tissues. The amino acids present in Partner Line chelate the soil nutrients, thus increasing their availability for the plants. The effectiveness of these formulations on the plant's metabolism is remarkable: they increase the physiological activities (e.g. protein synthesis) and promote the growth of developing fruits and vegetables.

Composition	PARTNER	PARTNER 500	PARTNER 700	PARTNER 800	PARTNER 840
	w/w	w/w	w/w	w/w	w/w
Organic Nitrogen(N)	6.5 %	5.0 %	7.0 %	8.0 %	8.4 %
Water-soluble organic Nitrogen (N)	6.5 %	5.0 %	7.0 %	8.0 %	8.4 %
Organic Carbon (C) of biological origin	23.5 %	18.5 %	23.0 %	25.0 %	26.0 %
Organic matter	47.0 %	37.0 %	46.0 %	50.0 %	52.0 %



Amino acids	PARTNER	PARTNER 500	PARTNER 700	PARTNER 800	PARTNER 840
	w/w	w/w	w/w	w/w	w/w
Aspartic acid	2.690 %	2.200 %	2.897 %	3.520 %	3.820 %
Glutamic acid	4.900 %	4.270 %	5.277 %	6.833 %	6.833 %
Alanine	3.820 %	3.320 %	4.114 %	5.807 %	5.807 %
Arginine	2.910 %	2.370 %	3.134 %	3.802 %	3.802 %
Cysteine	0.002 %	0.710 %	0.002 %	0.216 %	0.216 %
Phenylalanine	1.000 %	0.880 %	1.077 %	1.233 %	1.233 %
Glycine	6.720 %	8.520 %	7.237 %	13.647 %	13.647 %
Isoleucine	0.690 %	0.810 %	0.743 %	1.007 %	1.007 %
Histidine	0.430 %	1.170 %	0.463 %	3.520 %	1.873 %
Leucine	1.570 %	1.210 %	1.691 %	1.948 %	1.950 %
Lysine	1.770 %	1.800 %	1.906 %	2.296 %	2.398 %
Methionine	0.440 %	1.250 %	0.474 %	0.414 %	0.800 %
Proline	6.860 %	6.000 %	7.380 %	8.527 %	8.627 %
Serine	1.440 %	0.580 %	1.551 %	0.932 %	0.932 %
Tyrosine	0.660 %	0.120 %	0.711 %	0.207 %	0.207 %
Threonine	0.820 %	0.120 %	0.883 %	0.207 %	0.207 %
Tryptophan	0.100 %	0.170 %	0.108 %	0.094 %	0.294 %
Valine	1.090 %	1.300 %	1.174 %	1.478 %	1.478 %

Doses and administration	Crop	Application in fertigation	Dose l/ha
	Tree crops	From vegetative resumption and throughout the cycle	15-25
	Horticultural crops	From vegetative resumption/throughout the cycle	15-25
	Industrial crops	From vegetative resumption/throughout the cycle	15-25
	Ornamental crops	From post-transplanting and throughout growth	10-25

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture, carry out preliminary miscibility and compatibility tests first. It can cause problems if mixed with cupric products. Moreover, when mixed with fertilizers and / or systemic products, it is advisable to reduce and check the dosage.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	5 - 10 - 20 - 120 - 200 1000 l Jerrycan, drum, cistern	6.3 - 6.9	Partner approx. 24.4 dS/m Partner 500 approx. 22.2 dS/m Partner 700 approx. 24.4 dS/m Partner 800 approx. 15.8 dS/m Partner 840 approx. 12.4 dS/m	 In fertigation  Allowed in Organic Farming



Phosfal N

— Nitrogen reserve for immediately effective interventions

The synergy between the two nitrogenous forms of Phosfal N stimulates numerous vegetative and productive processes, including the differentiation of fruit buds and fruit setting. Phosfal N reactivates exhausted soils and intensifies the capacity and yield of the crops grown on it.

Phosfal P 300

— Reactivates the rhizogenesis and promotes advanced flowering

Thanks to its "active" Phosphorus, Phosfal P 300 stimulates rooting, seed germination and tuber development. Furthermore, Phosfal P 300 promotes advanced flowering and ripening of seeds and improves the qualitative characteristics of the final production.

Phosfal K

— Protects the plant from stress due to low water availability

Phosfal K improves the texture and resistance of the tissues to adverse climatic conditions and to poor water availability. Phosfal K is ideal for containing vegetative growth while promoting that of flowers and fruits.

		Phosfal N	Phosfal P 300	Phosfal K	
Composition	Total Nitrogen (N)	21.0 %	-	-	
	Urea Nitrogen (N)	19.5 %	-	-	
	Organic Nitrogen (N)	1.5 %	-	-	
	Total Phosphorus Pentoxide (P ₂ O ₅) from orthophosphoric acid	-	30.0 %	-	
	Water-soluble Potassium Oxide (K ₂ O)	-	-	21.0 %	
	Organic Carbon (C) of biological origin	4.0 %	-	-	
Doses and administration	Crop	Foliar application	Phosfal N	Phosfal P 300	Phosfal K
	Tree	From flowering until ripening	100-200 ml/hl	-	100-200 ml/hl
	Horticultural, Industrial and Ornamental crops	From fruit swelling onwards	80-150 ml/hl	-	80-150 ml/hl
	Crop	Application in fertigation	Phosfal N	Phosfal P 300	Phosfal K
	All crops	Throughout the entire cycle	15-25 l/ha	20-25 l/ha	15-25 l/ha

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings

In case of mixture with other products, carry out preliminary miscibility and compatibility tests first on a limited number of plants. In protected environments (e.g. greenhouses, tunnels, etc.) the foliar dose, where foreseen, must not exceed 180 ml per 100 litres of water; check and – where necessary - reduce the dosage. Do not mix **Phosfal N** with products containing Potassium, Copper and polysulphides. We do not recommend mixing diluted with Sulphur, especially on sensitive crops or in the presence of sudden temperature changes. Do not mix **Phosfal P 300** with products containing Copper or with an alkaline reaction. Mixing with other fertilizers must be carried out with a solution diluted at the dose of use. Do not mix with products containing Copper or having an alkaline reaction. Mixing with other fertilizers must be carried out with a solution diluted at the use dose. Do not mix **Phosfal K** with products containing Phosphorus and Copper and do not mix directly with acid reaction formulations.



Formulation

Soluble liquid

Packages

Phosfal N
1 - 5 - 10 - 20 l
Phosfal P 300
5 - 10 - 20 l
Phosfal K
5 - 10 - 20 l

pH

Phosfal N
approx. 8.1
Phosfal P 300
approx. 1.5
Phosfal K
approx. 13.5

Conductivity

Phosfal N
approx. 5.8 dS/m
Phosfal P 300
approx. 24.5 dS/m
Phosfal K
approx. 106.0 dS/m

Technical notes



Foliar application



In fertigation



- Increase crop yield and optimise nutrient uptake
- Reactivate crops metabolism blocked by pathologies and physiological imbalances
- Perform an improvement action on the characteristics of the soil

Description The Phosfal NP and NK Lines include liquid formulations rich in free amino acids that play an important revitalising action, effective even in stressful situations, and ensure the capacity of immediate nutrient assimilation through roots. The Phosfal NP and NK Lines stimulate numerous vegetative and production processes, including the fruit differentiation of buds and fruit setting. Besides, the products of the Phosfal NP and NK Lines reactivate the fertility of exhausted soils, whose chemical and physical characteristics are improved, intensifying the capacity and production yield of crops.



	Phosfal NK 3-30 H	Phosfal NP 330	Phosfal NP 520	Phosfal NP 824+Zn
Composition				
Total Nitrogen (N)	3.0 %	3.0 %	5.0 %	8.0 %
Organic Nitrogen (N)	-	-	0.5 %	-
Urea Nitrogen (N)	3.0 %	3.0 %	4.5 %	8.0 %
Water-soluble Phosphorus Pentoxide (P ₂ O ₅)	-	30.0 %	20.0 %	24.0 %
Water-soluble Potassium Oxide (K ₂ O)	30.0 %	-	-	-
Total Sulphur Trioxide (SO ₃)	-	-	-	17.0 %
Water-soluble Zinc (Zn)	-	-	-	0.5 %
Organic Carbon (C) of biological origin	-	-	3.0 %	-

Warnings In case of mixture with other products, carry out preliminary miscibility and compatibility tests first on a limited number of plants. In protected environments (e.g. greenhouses, tunnels, etc.) the foliar dose, where foreseen, must not exceed 180 ml per 100 litres of water; check and, where necessary, reduce the dosage. Avoid mixing **Phosfal NP 330** with cupric compounds, oils and sulphur and calcium-based products. Do not mix with alkaline reaction products, especially on sensitive crops or in the presence of sudden temperature changes. Do not mix **Phosfal NP 520** with cupric compounds, oils, calcium and sulphur-based products. We do not recommend mixing with products having a strong alkaline reaction, especially on sensitive crops or in the presence of sudden temperature changes. Perform foliar applications in the coolest hours of the day. Avoid mixing **Phosfal NP 824+Zn** with cupric compounds, oils and sulphur and calcium-based products. Do not mix with alkaline reaction products, especially on sensitive crops or in the presence of sudden temperature changes. Do not mix **Phosfal NK 3-30 H** with products containing Phosphorus and Copper. We do not recommend mixing with acid reaction formulations.

Doses and administration	Foliar application ml/hl	Tree crops	Horticultural crops	Industrial crops	Ornamental crops
	Phosfal NK 3-30 H	From flowering until ripening 100-200	From fruit swelling onwards 100-200	From fruit swelling onwards 100-200	During the final stages of the crop cycle 80-150
Phosfal NP 330	From flowering until ripening 100-200	From fruit swelling onwards 100-200	From fruit swelling onwards 100-200	During the last phases of the crop cycle 80-150	
Phosfal NP 520	Throughout the entire crop cycle 200-250	Throughout the entire crop cycle 150-200	Throughout the entire crop cycle 150-200	Throughout the entire crop cycle 100-150	
Application in fertigation l/ha					
Phosfal NK 3-30 H	From fruit formation until harvesting 15-25	From fruit swelling and throughout the cycle 15-25	In the final phases of the production cycle 15-25	At the end of the vegetative cycle 10-20	
Phosfal NP 330	From fruit formation until harvesting 15-25	From fruit swelling and throughout the cycle 15-25	In the final phases of the production cycle 15-25	At the end of the vegetative cycle 10-20	
Phosfal NP 520	Throughout the entire crop cycle 20-30	Throughout the entire crop cycle 20-30	Throughout the entire crop cycle 20-30	Throughout the entire crop cycle 15-25	
Phosfal NP 824+Zn	From vegetative resumption up to fruit swelling 15-25	From vegetative resumption/following transplanting and throughout the cycle 15-25	From vegetative resumption/following transplanting and throughout the cycle 15-25	During the early stages of the production cycle 10-15	

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	Phosfal NK 3-30 H 5 - 10 - 20 - 1000 l Phosfal NP 330 5 - 10 - 20 - 200 - 1000 l Phosfal NP 520 1000 l Phosfal NP 824+Zn 5 - 10 - 20 - 200 - 1000 l	Phosfal NK 3-30 H approx. 13.6 Phosfal NP 330 approx. 1.2 Phosfal NP 520 approx. 1.9 Phosfal NP 824+Zn approx. 1.0	Phosfal NK 3-30 H approx. 104.3 dS/m Phosfal NP 330 approx. 58.8 dS/m Phosfal NP 520 approx. 14.1 dS/m Phosfal NP 824+Zn approx. 86.2 dS/m	Foliar application  In fertigation 

Phosfy Mag 307

Special
Fertigators
Line

- Provides active and very mobile Phosphorus
- Improves crop productivity
- Fully soluble mixture of Phosphorus, Potassium and Magnesium

Description Phosfy Mag 307 is characterised by the particularly active nature of its Phosphorus, which is mobile and able to direct itself with great elasticity both along the ascending and descending flows of the plant. Phosphorus is essential for the crop growth, both in the early stages of development and after flowering, to accelerate production ripening and to improve its qualitative characteristics. Thanks to the presence of Potassium, Phosfy Mag 307 directly influences the quality of the final production. Actually, Potassium is an osmotic pressure regulator and contains excessive growth. Finally, Phosfy Mag 307 is enriched with Magnesium which, being vital for the photosynthetic process, is essential for obtaining quality productions.

Composition	Phosphorus Pentoxide (P ₂ O ₅) water-soluble	30.0 %	Magnesium Oxide (MgO) water-soluble	7.0 %
	Potassium Oxide (K ₂ O) water-soluble	5.0 %		



	Crop	Foliar application	Dose ml/ha
Doses and administration	Tree crops	Throughout the entire crop cycle	100-200
	Horticultural crops	Throughout the entire crop cycle	80-150
	Industrial crops	Throughout the entire crop cycle	80-150
	Ornamental crops	Throughout the entire crop cycle	80-150

	Application in fertigation	Dose l/ha
All crops	Throughout the entire cycle	10-15

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings In case of mixture with other products, carry out preliminary miscibility and compatibility tests first on a limited number of plants. Do not mix with products having a strong alkaline reaction, polysulphides, dimethoate, synthetic hormones, mineral oils, calcium-based products and products containing copper. In protected environments, reduce and check the doses. Use according to the accredited agronomic practices.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	1- 5 - 10 - 20 - 120 - 200 - 1000 l Bottle, jerrycan, drum, cistern	approx. 2.7	approx. 22.1 dS/m	 Foliar application  In fertigation

Potassio 30

Special
Fertigators
Line

- Counteracts water stress and improves final production
- Improves the aesthetic characteristics of the vegetation, freeing it from natural soiling
- Reduces the vegetative development phase and promotes that of flowers and fruits

Description Potassio 30 is a formulation designed to optimise the growth and ripening of fruits and at the same time to improve the plant's resistance to environmental stress conditions (e.g. climatic adversities, water stress, etc.). The direct contribution of potassium in the synthesis of sugars, in the activation of photosynthesis and in the protein synthesis makes it a macro-element of strategic importance at all stages where the plant invests in the production of edible parts. Foliar applications improve the aesthetic characteristics of the vegetation, as it frees it from natural soiling, honeydew or sooty mould.

Composition	Water-soluble Potassium Oxide (K ₂ O)	30.0 %
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	Crop	Foliar application	Dose ml/ha
Doses and administration	Tree crops	From post-flowering until ripening	150-200
	Horticultural crops	From fruit swelling until ripening	150-200
	Industrial crops	From fruit swelling until ripening	100-200
	Ornamental crops	During the last phases of the crop cycle	100-150

	Application in fertigation	Dose l/ha
Tree crops	2-3 Interventions starting from fruit formation until harvesting	15-25
Horticultural crops	3-4 Interventions starting from formed fruit swelling until ripening	15-25
Industrial crops	In the final phases of the production cycle	15-25
Ornamental crops	During all phases of the vegetative cycle	8-10

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Do not mix with products containing phosphorus and copper. We do not recommend mixing with acid reaction formulations. In case of mixture with other products, carry out preliminary miscibility tests first. In protected environments (e.g. greenhouses, tunnels, etc.) the foliar dose must not exceed 200 g per 100 litres of water (0.2%).



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	5 - 10 - 20 - 120 - 200 - 1000 l Jerrycan, drum, cistern	approx. 13.6	approx. 130.8 dS/m	 Foliar application  In fertigation

- pH corrector for solutions with a desalinating action
- Neutralises bicarbonates, promoting the mobilisation of the nutritive elements
- Stimulates the formation of sulphur amino acids, vitamins and aromatic compounds

Description Thio-Acid is a Nitrogen and Sulphur-based corrector able to lower the pH value of the mixtures. Thio-Acid neutralises the bicarbonates, thus promoting the mobilisation of the nutritive elements and their absorption by the plants. In addition, the product stimulates the production of proteins, vitamins and aromatic compounds, contributing to the definition of the organoleptic profile of the final production. Thio-Acid promotes the synthesis of sulphur amino acids, which improve the quality level of the crops. A constant use of Thio-Acid induces protein synthesis, chlorophyll photosynthesis and increased productions. The product is ideal for improving the organoleptic and aromatic characteristics of crops such as cabbage, onion, garlic and rocket.


Composition	Total Nitrogen (N)		Total Sulphur Trioxide (SO ₂)	
	Urea Nitrogen (N)	15.0 %	15.0 %	15.0 %

Doses and administration	Crop	Application in fertigation	Dose l/ha
	Tree crops	Throughout the entire crop cycle	5-15
	Horticultural crops	Throughout the entire crop cycle	5-15
	Industrial crops	Throughout the entire crop cycle	5-15
	Ornamental crops	Throughout the entire crop cycle	5-15

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area.

Warnings Do not mix the formulation as is with products having a strong acid, basic reaction, oxidising products and products containing the calcium element. Use the prepared solution within the day. The doses of use vary according to the pH value of the solutions to be corrected, to the bicarbonate content of the initial water and to the chemical-physical analysis of the soil to be improved.



Formulation	Packages	pH	Conductivity	Technical notes
Soluble liquid	5 - 10 - 20 - 200 l Jerrycan, drum	approx. 1.7	approx. 64.4 dS/m	 In fertigation

THE TOP OF BASAL DRESSING

BASAL DRESSING LINE

- . SOIL IMPROVERS LINE
- . CRYG, MYSTER AND RYGER LINE
- . PETRO LINE
- . TRIONEM S GREEN SPECIAL
- . GRAIN GO! LINE
- . PETRO EVO LINE
- . PETRO EVO BLACK NP 3-24
- . RYZ310

Agriges basal dressing is the first and essential step to promote excellent yields from both a qualitative and quantitative point of view. The raw materials used for the formulation of CRYG, MYSTER, PETRO, RYGER, RYOGUAN, and TRIONEM are carefully selected and are naturally rich in micronutrients and organic molecules, which perform fundamental biological functions: **free amino acids, humic and fulvic acids, proteins, polysaccharides**, etc. Agriges Basal Dressing Fertilizers ensure targeted and balanced nutrition and guarantee the sustained release of nutrients, providing all agricultural crops with the energy required from the early stages of development.

The quality of basal dressing fertilizers

AGRIGES BASAL DRESSING IS SYNONYMOUS WITH QUALITY

Agriges basal dressing fertilizers are the top to promote excellent agricultural yields both in terms of quality and quantity. Actually, Agriges ensures:

- full traceability of the entire production process;
- use of top-quality raw materials;
- exclusive production technologies.

IN-HOUSE CONTROL

Agriges pays close attention to new contaminating compounds, as highlighted by the various players in the food chain, including large-scale retail trade. The internal control programmes cover a wide range of potential contaminants and undesirable substances including, in the first place: heavy metals and pathogenic microorganisms harmful to human health, but also perchlorates and chlorates, carbamates, nitrates, GMOs and many other unwanted residues.

- Before being introduced into the production process, **raw materials** are selected and subjected to chemical-physical analyses in order to check if they meet all applicable quality requirements.
- All the **production activity** steps are properly recorded and documented in order to be able to trace the raw material, the semi-finished product or the finished product at any time.
- A representative sample of each production batch is subjected to **chemical-physical analyses** conducted in the company's in-house and/or in external labs. These investigations allow us to determine and guarantee the quality of each product.
- On each package there is a **code** that makes it possible to trace the exact date on which the fertilizer was produced and even the operator who produced it.

RAW MATERIALS

Agriges Basal Dressing Fertilizers are characterised by the presence of highly humified organic matter, matured in the company's plants, which guarantee a high content of top-quality natural compounds.

The **manure** that Agriges Basal Dressing Fertilizers are composed of comes exclusively from selected and constantly controlled companies. The fermentation process to which it is subjected takes place exclusively in the maturation production unit, where it is periodically turned over and left to mature (humification process). The material supplied is shredded in order to reduce its humidity and is subjected to a sanitisation process so as to eliminate any microorganisms harmful to human health. After about six months of maturation, the material is ready for the production of the basal dressing fertilizers.

Calcium sulphate guarantees an acidifying and desalination action on the soil, both for calcareous and alkaline (sodic) soils. Indeed, the addition of calcium sulphate leads to the release in solution of ionic forms that reduce the pH of the circulating solution, thus counteracting the alkaline nature of the soil. Furthermore, calcium sulphate also affects the subtraction of sodium directly from the exchange compounds, thus reducing its deleterious effects on the soil: flocculating and destabilising action on the colloids' structures.

Amino acids and humic and fulvic acids complete the nourishing, stimulating and soil improving action of Agriges basal dressing fertilizers. Amino acids are a source of energy immediately available for plants that stimulate the growth and activity of the root system, promoting greater nutrient assimilation. Furthermore, the presence of particular amino acids (such as glycine and glutamic acid) enhances the plants' response to stress conditions as well as to the most common limiting factors, responsible for the loss of productivity, and have a strong anti-stress power. The chart below shows a standard aminogram.

AMINOGRAM

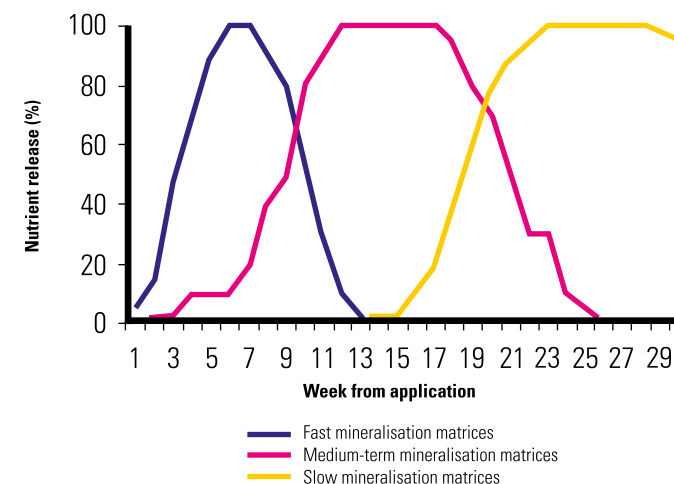
Aspartic acid (including asparagine)	1.28 %	Lysine	0.89 %
Glutamic acid (including glutamine)	2.15 %	Proline	1.22 %
Alanine	1.34 %	Serine	0.69 %
Arginine	1.39 %	Tyrosine	0.44 %
Phenylalanine	0.56 %	Threonine	0.52 %
Glycine	2.7 %	Valine	0.7 %
Isoleucine	0.52 %	Total Cysteine and Cystine	0.11 %
Histidine	0.3 %	Total Tryptophan	0.06 %
Leucine	1.09 %	Methionine	0.2 %
		Total	16.16 %

The quality of basal dressing fertilizers

GRADUAL RELEASE

Agriges Basal Dressing Fertilizers are characterised by a sustained release of nutrients. This is possible thanks to a skilful mix of raw materials with variable mineralisation rates, which allows obtaining different agronomic effects on the crop. Indeed, the slow release:

- ensures balanced growth of the crop, without excesses or deficiencies;
- allows the release of nutrients starting from the first week of application up to over 29 weeks;
- reduces the phenomena of wash-out, leaching or volatilisation losses of the nutrients supplied.



RYZEA

RyZea is an exclusive production technology that involves the extraction of bioactivating molecules from three different seaweed types (namely: *Ascophyllum nodosum*, *Fucus* spp. and *Laminaria* spp.) originating in the Atlantic Ocean that are collected in the phase of their cycle when the concentration of phytoactivating compounds reaches its peak. The extraction process is extremely "gentle", so as not to alter the stability of the phytoactivating seaweed molecules. The extraction principle underlying the RyZea technology is the micronisation of seaweed and the application of pressure differentials to the micronized products so obtained.

This makes it possible not to alter the phyto-activating properties of the seaweed, which therefore provide:

- natural chelating agents, which improve the assimilation of nutrients and their translocation into the plant;
- plant-based phytohormones and hormone-like molecules, which activate the crop's metabolism and growth;
- elicitor compounds that activate the plant's endogenous resistance to the main stress agents;
- energy compounds readily usable by the crop.



- Improve chemical and physical properties of the soil
- Are active and vital products, characterized by a high useful bacterial charge
- Increase soil fertility and remove nutrients trapped in insoluble forms

Description Agriges Soil Improvers are special basal fertilizers because they consist of organic matrices resulting from an intense and prolonged stabilization process, which enhances their efficacy. Agriges Soil Improvers products produce evident effects on dried-up and exhausted soils, since they induce the development of an efficient microflora and telluric microfauna and optimize the crop production cycle. The nutrients released by Agriges soil improvers support valuable products and at the same time respect the environment. The repeated use of Agriges soil improvers improves root absorption and reduces nutrient losses through immobilization, retrogradation and volatilization.

	Vegetale + HHT	Pollina essiccata	Stallatico ammendante	Stallatico ammendante Speciale Calcio
Composition of the main products				
Organic Nitrogen (N)	1.4 %	2.0-4.0 % *	2.5-3.0 %	1.5-1.6 % *
Phosphorus pentoxide (P ₂ O ₅)	0.4-1.0 % **	3.0-4.0 % *	2.5-3.0 %	1.5-2.0 % **
Potassium oxide (K ₂ O)	1.0 % **	2.0-3.0 % **	2.0-3.0 %	1.0-1.5 % **
Calcium oxide (CaO)	11.0 % **	4.0-5.0 % **	13.0 %	25.0 % **
Sulphur trioxide (SO ₃)	12.0 % **	2.0-3.0 % **	15.0 %	-
Magnesium Oxide (MgO)	0.50 % **	1.0 % **	1.0 %	1.0 % **
Carbon (C) organic as is	28.0 %	23.0-25.0 % **	26.0 %	26.0 %
Carbon (C) organic on dry	32.0 %	-	30.0 %	30.0 %
Humified organic matter	56.0 % **	46.0-50.0 % **	45.0-52.0 %	45.0-52.0 % **
C/N ratio	20.0	-	8.5-10.5	-
Boron (B)	-	15-25 mg/kg	20-40 mg/kg	30-50 mg/kg
Cobalt (Co)	-	3-8 mg/kg	4-12 mg/kg	5-20 mg/kg
Iron (Fe)	0.05 %	-	-	-
Manganese (Mn)	-	180-220 mg/kg	150-200 mg/kg	130-170 mg/kg
Molybdenum (Mo)	-	62-68 mg/kg	70-80 mg/kg	50-90 mg/kg
Copper (Cu)	12-18 mg/kg	-	-	-
Zinc (Zn)	12-15 mg/kg	105-115 mg/kg	125-145 mg/kg	135-165 mg/kg
Microorganisms **				
Total bacterial charge	7x10 ⁷ CFU/g	4x10 ⁷ CFU/g	6x10 ⁷ CFU/g	7x10 ⁷ CFU/g
Salmonella	absent	absent	absent	absent
E. coli	absent	absent	absent	absent



* average values of a purely indicative nature. The data shown on the label comply with the current legislation and, for precautionary reasons, may correspond to the lowest value of the range indicated in this publication. ** data not shown on the label.

	Crop	Soil application	Dose kg/ha
Doses and administration	Tree crops	Upon planting, before vegetative resumption or after harvesting	1200-2000
	Horticultural crops	Before sowing/transplanting during tillage	1000-1800
	Industrial crops	Before sowing/transplanting during tillage	1000-1500
	Fourth range vegetable	Before sowing during tillage	600-800

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area. In addition, they must be included in the entire fertilization plan.

Warnings The product must be buried, avoiding direct contact with the fertilized plants. Store in a cool, dry place, away from excess heat. To use the product in the best way, consult the fertilization plans.



Formulation	Packages	Pellet diameter	Humidity	Technical notes
Pellet/Powder	25 - 600 kg Bag, big bag	3.5 mm	15-18 %	 Soil application  Allowed in Organic Farming



Crys, Myster and Ryger Line

Crys Line

- Feeds the crop gradually starting from the early stages
- High humification rate and optimal C/N ratio
- Unlock nutrients from insoluble forms

Description

CRYS, enriched with humic and fulvic acids, balances the plant physiology and gives the plant numerous substances with high biological value. CRYS improves soil fertility by increasing its natural reserve in nutrients. Its humic substances, in fact, interact with the inorganic components of the soil and reduce erosive phenomena and the appearance of surface crusts. CRYS induces the formation of phospho-humates, compounds in which the phosphorus is protected from unwanted insolubilization reactions. The humic substances of CRYS have a chelating capacity against microelements, increasing their availability.



Myster Line

- Starter effect and rapid growth from the early stages of development
- Action with immediate effect and prolonged over time
- Reactivates tired and calcareous soils

Description

MYSTER ensures a starter effect and promotes the rapid development of the seedling in the early stages of growth. MYSTER contains several forms of organic nitrogen, which guarantee the gradual release of nutrients. The amino acids and other organic components of MYSTER induce a prompt rhizogenesis, an optimal development of sprouts and productions with high qualitative-quantitative standards, improving at the same time the "departure" of the plants in particular in the "tired" and calcareous soils.



Ryger Line

- Intensifies radical absorption
- Increases the tolerance of the plant to stressful situations
- Ensures balanced growth of the crop

Description

High-quality raw materials rich in proteins make RYGER a bottom fertilizer with exceptional properties. RYGER increases soil fertility as it reactivates the microbial flora, induces greater mineralization of the organic substance and increases the exchange surface for biochemical processes. The macro-elements of RYGER are made available to the plant especially during the phase of intense growth: this improves the vegetative-productive balance. The revitalizing action of RYGER increases the tolerance of the plant to excess salinity and sodicity, resulting from previous and excessive mineral fertilizations.





Crys, Myster and Ryger Line

Basal Dressing Line pellet/powder

	Crop	Soil application	Dose kg/ha
Doses and administration	Tree crops	Upon planting, before vegetative resumption or after harvesting	700-1200
	- Actinidia	Upon planting, before vegetative resumption or after harvesting	800-1000
	- Olive	Upon planting, before vegetative resumption or after harvesting	800-1000 (2-6 kg per plant)
	- Table grapes, Wine grapes	Upon planting, before vegetative resumption or after harvesting	1000-1200, 600-800
	Horticultural crops	Before sowing/transplanting during tillage	500-1100
	Industrial crops	Before sowing/transplanting during tillage	600-1200
	Cereals	Before sowing during tillage	400-700
	Fourth range vegetable	Before sowing during tillage	400-700

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area. In addition, they must be included in the entire fertilization plan.

Warnings The product must be buried, avoiding direct contact with the fertilized plants. Store in a cool, dry place, away from excess heat. To use the product in the best way, consult the fertilization plans.

Formulation	Packages	Pellet diameter	Humidity	Technical notes
Pellet/Powder	25 - 600 kg Bag, big bag	3.5 mm	5-6 %	 Soil application  Some products are admitted in Organic Farming





- Gradually nourishes starting from the vegetative emergence / regrowth
- Phytestimulates plant metabolism
- Significantly improves soil fertility

Description Petro is Agriges' historical line of basal fertilisers made from valuable raw materials of organic and mineral origin, skilfully processed and mixed to obtain a complete product capable of nourishing the plant in a balanced and constant manner over time, stimulating plant metabolism and improving the chemical, physical and biological characteristics of the soil. The products in the Petro line are biologically active thanks to the exclusive RyZea and microbial production technologies, which respectively enrich them with phytostimulant molecules and exclusive siderophore bacteria.

Composition	N	N 5 HST	Aerobic microbial flora *	Anaerobic microbial flora *	Total amino acids *	Humic and fulvic acids *	Total Nitrogen (N)	Organic Nitrogen (N)	Ammoniacal Nitrogen (N)	Ureic Nitrogen (N)	Phosphorus pentoxide (P ₂ O ₅)	Potassium oxide (K ₂ O)	Magnesium oxide (MgO)	Iron (Fe)	Manganese (Mn)	Boron (B)	Zinc (Zn)	Calcium Oxide (CaO)	Sulphur trioxide (SO ₃)	Organic Carbon (C)	Organic substance	Permitted in organic farming	Hu-mification rate *
						7.6x10 ⁹ CFU/g	8.0x10 ⁹ CFU/g	25.4 %	12-13%	5.0%	5.0%	-	-	-	-	-	-	-	-	-	-	-	17.0%
NP		335 FERRO PIU' ThB	1.0x10 ⁹ CFU/g	5.5x10 ⁹ CFU/g	16.2 %	10-11%	3.0%	3.0%	-	-	3.0%	-	-	5.0%	-	-	-	-	15.0%	13.0%	26.0%	bio	75-85%
		33+16CaO+3MgO ThB	3.2x10 ⁹ CFU/g	2.0x10 ⁹ CFU/g	15.9 %	10-11%	3.0%	3.0%	-	-	3.0%	-	3.0%	-	-	-	-	16.0%	15.0%	13.0%	26.0%	bio	75-85%
		300 SPECIAL MIX ThB	1.0x10 ⁹ CFU/g	4.2x10 ⁹ CFU/g	16.2 %	10-11%	3.0%	3.0%	-	-	3.0%	-	-	0.02%	0.02%	-	-	15.0%	21.0%	15.0%	30.0%	bio	75-85%
		330 ST BIO ThB	1.2x10 ⁹ CFU/g	5.6x10 ⁹ CFU/g	16.2 %	10-11%	3.0%	3.0%	-	-	3.0%	-	-	-	-	-	-	10.0%	16.0%	15.0%	30.0%	bio	75-85%
		330 LT BIO ThB PLUS	2.0x10 ⁹ CFU/g	4.5x10 ⁹ CFU/g	16.8 %	10-11%	3.0%	3.0%	-	-	3.0%	-	-	-	-	-	-	15.0%	24.0%	13.0%	26.0%	bio	75-85%
		318 ACID ThB	1.0x10 ⁹ CFU/g	5.5x10 ⁹ CFU/g	16.2 %	10-11%	3.0%	3.0%	-	-	3.0%	-	-	-	-	-	-	14.0%	20.0%	15.0%	30.0%	bio	75-85%
		33-27 CALCIO ThB	2.2x10 ⁹ CFU/g	3.0x10 ⁹ CFU/g	16.2 %	10-11%	3.0%	3.0%	-	-	3.0%	-	-	-	-	-	-	27.0%	5.0%	14.0%	28.0%	bio	75-85%
		390 ZN ThB	2.0x10 ⁹ CFU/g	4.5x10 ⁹ CFU/g	16.8 %	10-11%	3.0%	3.0%	-	-	3.0%	-	-	-	-	-	0.05%	15.0%	14.0%	14.0%	28.0%	bio	75-85%
		44 + 2 MgO BORO PIU' ThB	5.6x10 ⁹ CFU/g	6.5x10 ⁹ CFU/g	18.7 %	11-12%	4.0%	4.0%	-	-	4.0%	-	2.0%	-	-	0.02%	-	16.0%	19.0%	13.0%	26.0%	bio	75-85%
		440 ThB PLUS	5.6x10 ⁹ CFU/g	6.5x10 ⁹ CFU/g	18.7 %	11-12%	4.0%	4.0%	-	-	4.0%	-	-	-	-	-	-	-	25.0%	13.0%	26.0%	bio	75-85%
		450 BORO PIU' ThB	5.8x10 ⁹ CFU/g	6.0x10 ⁹ CFU/g	19.1 %	11-12%	4.0%	4.0%	-	-	4.0%	-	-	-	-	0.1%	-	15.0%	19.0%	14.0%	28.0%	bio	75-85%
		450 H CA-MICRO ThB	6.2x10 ⁹ CFU/g	5.5x10 ⁹ CFU/g	18.2 %	11-12%	4.0%	4.0%	-	-	4.0%	-	-	-	-	-	-	13.0%	20.0%	15.0%	30.0%	bio	75-85%
		570 ZLT ThB	6.2x10 ⁹ CFU/g	6.0x10 ⁹ CFU/g	24.7 %	12-13%	5.0%	5.0%	-	-	4.0%	-	-	-	-	-	-	14.0%	19.0%	14.0%	28.0%	bio	75-85%
	NPK		357 W	1.5x10 ⁹ CFU/g	6.0x10 ⁹ CFU/g	18.2 %	10-11%	3.0%	2.0%	1.0%	-	5.0%	7.0%	1.0%*	-	-	-	-	12.0%	9.0%	22.0%	44.0%	-
		3-6-12+2 MgO BIO	2.2x10 ⁹ CFU/g	5.2x10 ⁹ CFU/g	16.2 %	10-11%	3.0%	3.0%	-	-	6.0%	12.0%	2.0%	-	-	-	-	-	12.0%	15.0%	30.0%	bio	75-85%
		555 CS MO	3.0x10 ⁹ CFU/g	4.3x10 ⁹ CFU/g	17.4 %	10-11%	5.0%	3.5%	-	1.5%	5.0%	5.0%	-	-	-	-	-	10.0%	6.0%	14.0%	28.0%	-	75-85%
		558 S PH-BIO	6.2x10 ⁹ CFU/g	6.0x10 ⁹ CFU/g	24.7 %	12-13%	5.0%	5.0%	-	-	5.0%	8.0%	-	-	-	-	-	8.0%	8.0%	14.0%	28.0%	bio	75-85%
		8-5-12 + 2 MGO	2.5x10 ⁹ CFU/g	3.5x10 ⁹ CFU/g	17.1 %	10-11%	8.0%	3.5%	-	4.5%	5.0%	12.0%	2.0%	1.0%	-	-	-	8.0%	9.0%	15.0%	30.0%	-	75-85%
		1055 CS	1.0x10 ⁹ CFU/g	1.8x10 ⁹ CFU/g	12.3 %	10-11%	10.0%	1.5%	2.5%	6.0%	5.0%	5.0%	-	-	-	-	-	8.0%	10.0%	8.0%	16.0%	-	75-85%
		5-5-12+2 MgO+0,5 Fe	5.0x10 ⁹ CFU/g	2.8x10 ⁹ CFU/g	25.2 %	12-13%	5.0%	5.0%	-	-	5.0%	5.0%	2.0%	0.5%	-	-	-	-	-	16.0%	32.0%	bio	75-85%

* Average values of an indicative nature, not present on the label and referring to the living natural organic matrix.



Doses and administration	Crop	Soil application	Dose kg/ha
	Tree crops	Upon planting, before vegetative resumption or after harvesting	700-1200
	- Actinidia	Upon planting, before vegetative resumption or after harvesting	800-1000
	- Olive	Upon planting, before vegetative resumption or after harvesting	800-1000 (2-6 kg per plant)
	- Table grapes, Wine grapes	Upon planting, before vegetative resumption or after harvesting	1000-1200, 600-800
	Horticultural crops	Before sowing/transplanting during tillage	500-1100
	Industrial crops	Before sowing/transplanting during tillage	600-1200
	Cereals	Before sowing during tillage	400-700
	Fourth range vegetable	Before sowing during tillage	400-700

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area. In addition, they must be included in the entire fertilization plan.

Warnings The product must be buried, avoiding direct contact with the fertilized plants. Store in a cool, dry place, away from excess heat. To use the product in the best way, consult the fertilization plans.

Formulation	Packages	Pellet diameter	Humidity	Technical notes
Pellet/Powder	25 - 600 kg Bag, big bag	3.5 mm	5-6 %	<ul style="list-style-type: none"> Soil application Exclusive Agriges production technology Some products are admitted in Organic Farming Exclusive Agriges production technology

- Fights against soil exhaustion
- Provides a selected microbial consortium
- Significantly improves soil fertility

Description Trionem S Green Special is a revitalizing base fertilizer for tired and impoverished soils, designed specifically to increase their long-term fertility. It is a product based on valuable raw materials of plant and animal origin, activated by the bacterial strains: *Thermoactinomyces* spp., *Streptomyces* spp. and *Bacillus* spp., obtained through the exclusive Microzym Trio production technology. It is they who guarantee the high and constant effectiveness of Trionem Green Special against soil fatigue. Trionem Green Special is enriched with three types of vegetable panels: Brassicaceae, Meliaceae e Liliaceae; hence the prefix TRIO in the product name. In contact with water, the Foam technology generates a micro-foam that oxygenates the soil making it more hospitable for the plant and its roots.

Composition	Total Nitrogen (N)	3.0 %	Total Calcium oxide (CaO)	8.0 %
	Organic Nitrogen (N)	3.0 %	Total Sulphur trioxide (SO ₃)	20.0 %
	Total Phosphorus pentoxide (P ₂ O ₅)	3.0 %	Organic Carbon (C)	21.0 %

Product enriched with 5% elemental Sulphur which brings a total SO₃ contribution of 12%.

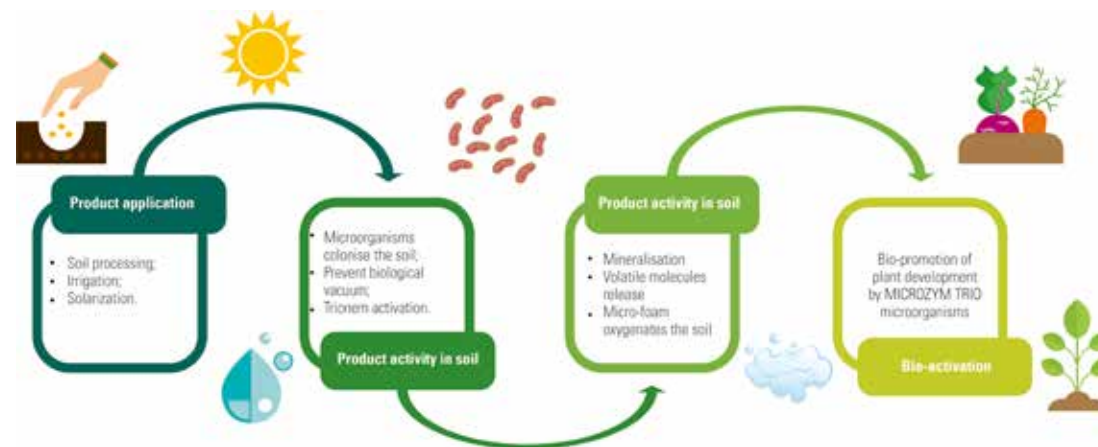
Doses and administration	Crop	Soil application	Dose kg/ha
	Tree crops	Before planting on the entire surface	2000-2500
	Horticultural crops in greenhouse	Before sowing/transplantation on refined and dry soil	2000-3000
	Horticultural crops in open field	Before sowing/transplantation on refined and dry soil	2000-2500

Trionem Green Special carries out its activity best when applied prior to soil solarization, on refined and dry soils. After distribution, bury the product and water abundantly in order to activate the fertilizer. Cover the land with plastic film and proceed to normal solarization practice. The presence of plastic film extends the action of the volatile molecules released by Trionem Green Special. The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area. In addition, they must be included in the entire fertilization plan.

Warnings The product must be buried, avoiding direct contact with the fertilized plants. Store in a cool, dry place, away from excess heat. To use the product in the best way, consult the fertilization plans.



Macroscopic representation of what occurs microscopically in the soil, using the raw materials of Foamtechnology in purity.



1. The selected bacterial strains trigger complex enzymatic hydrolysis mechanisms that occur rapidly within each individual pellet. This leads to a localised increase in soil temperature, where the pellet itself acts as a "hot spot";
2. The mineralisation of the TRIONEM oilcakes releases important organic compounds in the soil volume, improving plant life functions. The humus-rich organic substance improves soil fertility and its chemical and physical properties, also providing nourishment for the beneficial microorganisms of MICROZYM TRIO. Furthermore, it acts as a sponge for water and nutrients, which it gradually releases depending upon discrete plant needs.
3. The microbial intake rapidly colonises the soil, occupying it permanently. These strains are also able to rapidly colonise the roots and act as Plant Growth Promoting Rhizobacteria (PGPR), thus stimulating plant growth. The message exchange between PGPR and plant also results in an increased endogenous capacity of the crop to withstand possible pathogenic attacks.
4. In contact with water, Foamtechnology generates a micro-foam that oxygenates the soil, making it more hospitable for plants and their roots. This micro-foam simultaneously creates an inhospitable environment for any agents that can harm root systems, thus acting as root-cleaner.



Formulation	Packages	Pellet diameter	Humidity	Technical notes
Pellet/Powder	25 - 600 kg Bag, big bag	3.5 mm	-	<ul style="list-style-type: none"> Soil application Allowed in Organic Farming Exclusive Agriges production technology Exclusive Agriges production technology

- Effective starter effect
- Gradual and long-lasting nutrition
- Versatile and easy to use

Description

Grain GO! Line has been developed to promote post-germination rooting and solve the problem related to poor Phosphorus bioavailability in the soil. Grain GO! Line is characterised by a microgranular formulation, which allows a starter effect, thanks to the proximity of nutrients to the roots, and lower dosages per hectare compared to traditional fertilizers for sowing. The Line consist several formulations, some of whom allowed in organic farming, enhanced with exclusive Agriges production technologies (RyZea, BBTP and microbial) or with growth-promoting microorganisms. RyZea and BBTP are two dual-function technologies, respectively: a) chelating, capable of "hooking" and transporting nutrients within the plant; b) protective, which regulates the release of nutrients from the microgranule to the soil. The microbial technology that combines the activity of the exclusive siderophore bacterium *Bacillus megaterium* strain S3Nb3 with organic acids and micronized elemental sulfur.

Composition of the main products	BIO NP 3-18		START	
Total Nitrogen (N)	3.0 %		11.0 %	
Organic Nitrogen (N)	3.0 %		-	
Ammoniacal Nitrogen (N)	-		11.0 %	
Total Phosphorus pentoxide (P ₂ O ₅)	18.0 %		-	
Water-soluble Phosphorus pentoxide (P ₂ O ₅)			49.0 %	
Water-soluble Sulphur trioxide (SO ₃)	-		7.0 %	
Total Organic Carbon (C)	9.0 %		-	
Allowed in organic farming	yes		-	
Exclusive Agriges production technology	yes		yes	
Containing <i>Bacillus megaterium</i> S3Nb3 *	1.0 x 10 ⁸ CFU/g		1.0 x 10 ⁶ CFU/g	

* *Bacillus megaterium* S3Nb3 is an exclusive strain isolated and deposited by Agriges in an international reference microbial collection. Data not shown on label.

Soil application avoiding direct contact with the roots





Doses and administration	Tree crops	Horticultural	Industrials crop	Cereals and Legumes
	During the planting phase	During the sowing/transplantation phase	During the sowing/transplantation phase	During the sowing phase
Grain GO! Bio NP 3-18	50-100 g/plant (for grapevine: 10-20 g/plant)	30-50 kg/ha	30-50 kg/ha	30-50 kg/ha
Grain GO! Start	20-50 g/plant (for grapevine: 5-15 g/plant)	30-60 kg /ha	30-60 kg /ha-	20-40 kg/ha

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area. In addition, they must be included in the entire fertilization plan.

Warnings

Avoid direct contact with the roots. Store in unopened package, in a dry place away from heat sources and direct sunlight. Use this product according to the most accredited agronomic practices and with reliable equipment to achieve good distribution. If present, microorganisms are living organisms and as such subject to physiological degradation. We therefore recommend the application of the product within a maximum of 2 years from the date of production printed on the packaging.



Formulation	Packages	Diameter	Specific weight	Technical notes
Microgranular	10 - 25 kg Bag	0.5 - 0.7 mm	approx. 1 kg/dm ³	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> Soil application</p> <p> Exclusive Agriges production technology</p> </div> <div style="width: 45%;"> <p> Some products are admitted in Organic Farming</p> <p> Exclusive Agriges production technology</p> </div> </div>

- Time-release granular formulation
- Improves nutrient availability
- Stimulates rooting

Description It is a line of products with high technological content, characterized by the presence of three exclusive Agriges production technologies: RyZea, Bbtp and Bpc. Petro Evo is the result of years of study by the company's Research and Development department. Finally, the energy of Petro, "historic" pelleted Agriges, is transferred into a granule, which guarantees maximum agronomic performance. Bbtp technology regulates the transfer of nutrients avoiding losses, RyZea technology hooks and carries nutrients towards the roots of the plant, Bpc technology revitalizes the soil by bio-promoting crops.

Composition	Total Nitrogen (N)	Ammoniacal Nitrogen (N)	Ureic Nitrogen (N)	Total Phosphorus pentoxide (P ₂ O ₅)	Water-soluble Potassium oxide (K ₂ O)	Total Calcium oxide (CaO)	Total Sulphur trioxide (SO ₃)	Total Magnesium oxide (MgO)	Total iron oxide (Fe)	Total Boron (B)
NP 3-23	3.0 %	3.0 %	-	23.0 %	-	16.0 %	16.0 %	-	-	-
NP 6-20	6.0 %	2.0 %	4.0 %	20.0 %	-	16.0 %	16.0 %	-	-	-
8-21-13	8.0 %	5.0 %	3.0 %	21.0 %	13.0 %	8.0 %	8.0 %	-	-	-
12-5-18 + 2 MgO + Fe	12.0 %	9.0 %	3.0 %	5.0 %	18.0 %	-	27.0 %	2.0 %	0.05 %	-
12-05-20	12.0 %	12.0 %	-	5.0 %	20.0 %	-	23.0 %	-	-	-
12-12-18	12.0 %	12.0 %	-	12.0 %	18.0 %	-	21.0 %	-	-	-
13-8-8 + Boro	13.0 %	13.0 %	-	8.0 %	8.0 %	-	-	-	-	0.02 %
18-8-8	18.0 %	-	18.0 %	8.0 %	8.0 %	-	9.0 %	-	-	-
26-08-08	26.0 %	8.0 %	18.0 %	8.0 %	8.0 %	-	-	-	-	-

Doses and administration	Crop	Soil application	Dose kg/ha
	Tree crops	Upon vegetative resumption and after harvesting (200-400 kg/ha)	300-800
	Horticultural crops	In the pre-transplanting/sowing phase and under cover	300-1200
	Industrial crops	Sowing	300-500*
	Cereals	Sowing	200-300

The above doses are purely indicative and may vary according to the soil and climate characteristics of each area. In addition, they must be included in the entire fertilization plan. * 100-200 kg/ha in case of distribution of the product located along the row.

Warnings Store at a temperature between 10° C and 30° C. Keep in the original container in a cool, dry place, away from excess heat. Do not exceed the appropriate doses.

THREE TECHNOLOGIES IN ONE PRODUCT

Petro Evo is more than a granular fertilizer, as it is characterised by three Agriges production technologies: RyZea, Bpc and Bbtp. These ensure a sustained release of nutrients, a strong plant metabolism bio-promotion power and the improvement of the microbial component of the farming soil.

RyZea

It is the very gentle extraction process that allows Agriges to obtain the highest concentration of phyto-activating molecules from the three brown seaweed types: *Ascophyllum nodosum*, *Fucus* spp. and *Laminaria* spp. RyZea ensures a balanced content of natural phytohormones and chelating agents that promote the roots nutrients uptake as well as improving their conveyance within the plant' tissues.

Bpc





It is a carefully selected microbial consortium containing growth promoting rhizobacteria (PGPR) of the genus *Bacillus* spp. These are sporogenic bacteria that, even in unfavourable environmental conditions, develop in the soil and interact with the plant, making the rhizosphere more hospitable.

Bbtp

It is a protective coating that regulates the release of nutrients to the soil. It has the characteristics of a selective membrane capable of modulating the passage of nutrients and the nitrifying action of soil enzymatic compounds, "protecting" important nutrients from unwanted leaching, retrogradation or volatilisation phenomena.



Formulation	Packages	Diameter	Specific weight
Granular	25 kg Bag	1.5 - 4.5 mm	900-1020 kg/m ³

Technical notes	
 Soil application	 Exclusive Agriges production technology
 Exclusive Agriges production technology	 Exclusive Agriges production technology



Petro Evo Black NP 3-24

Basal
Dressing
Line
granular

- Increases phosphorus availability in the soil
- Stimulates rooting and improves yields
- Improves soil fertility and the share of nutrients available for the crop

Description Petro Evo Black NP 3-24 is a granular fertilizer covered with three different natural matrices, capable of significantly increasing the amount of nutrients absorbed by the plant, in particular phosphorus. Phosphorus is a macro-nutrient that undergoes insolubilization phenomena once applied to the soil but, thanks to the exclusive P-tech® production process, all the fertilizer units added are covered and actually available for the crops. P-tech® incorporates the quality of raw materials, the properties of humic substances with three exclusive technologies which: increase the amount of nutrients absorbed by the crop (RyZea), activate root development by making soil nutrients (Bpc) available and release gradually the nutrients avoiding their losses (Bbtp). Finally, Petro Evo Black NP 3-24 brings Calcium and Sulphur, nutrients that directly affect the production standards and soil characteristics, acidifying the pH.





Composition	Total Nitrogen (N)	3.0 %	Total Calcium oxide (CaO)	16.0 %
	Ammoniacal Nitrogen (N)	3.0 %	Total Sulphur trioxide (SO ₃)	16.0 %
	Total Phosphorus pentoxide (P ₂ O ₅)	24.0 %		

Doses and administration	Crops	Soil application
	Tree crops	Upon vegetative resumption (700-800 kg/ha) and after harvesting (200-400 kg/ha)
	Horticultural crops	In the pre-transplanting/sowing phase (300 kg/ha) and during the growth (800 kg/ha)
	Industrial crops	Sowing (300 kg/ha localized) and during the growth (600 kg/ha)
	Cereals	Sowing (200-300 kg/ha)

The above doses are meant to be a merely indicative value and may vary in relation to the soil and climate conditions of each area, as well as to the density of planting and to the crop type. They must also be included in the fertilisation plan as a whole.

Warnings Store at a temperature between 10° C and 30° C. Keep in the original container in a cool, dry place, away from excess heat. Do not exceed the appropriate doses.



Formulazione	Confezioni	Diametro	Peso specifico	Technical notes
Granular	25 kg Bag	1.5 - 4.5 mm	approx. 1020 kg/m ³	 Soil application  Exclusive Agriges production technology  Exclusive Agriges production technology  Exclusive Agriges production technology



Agriges process for granules coating

Ryz310

Basal
Dressing
Line
granular

- Slow-release granular formulation
- Suitable for all crops and is easy to distribute
- Prolonged nutrition thanks to the different nitrogenous forms

Description Ryz310 is a granular product characterized by the slow release of nutrients. In fact, the presence of nitrogen in the urea and ammonia forms allows Ryz310 to perform a nourishing action that is both timely and prolonged over time. This feature is particularly enhanced by the presence of the Bbtp coating, an exclusive Agriges production technology, which regulates the release of nutrients to the soil and the nitrifying action of the soil enzymatic complexes. RyZea increases the nutritional efficacy of Ryz310 as it is able to convey nutrients within the plant, with preferential transport to target organs. Finally, Ryz310 provides a high amount of Sulphur, an essential nutrient to define the quality of production for numerous crops (especially in the composition of the protein content) and to improve the chemical characteristics of the soil (acidifying action).




Composition	Total Nitrogen (N)	31.0 %	Ammoniacal Nitrogen (N)	11.0 %
	Ureic Nitrogen (N)	20.0 %	Total Sulphur trioxide (SO ₃)	23.0 %

Doses and administration	Crop	Soil application	Dose kg/ha
	Cereals	Tillering	200-300
	Maize	Hoeing	300-500
	Horticultural	Hoeing	300-400

The aforementioned doses have a purely indicative value and can therefore vary in relation to the soil and climate features of each area, as well as to the density of planting and to the crop type. They must also be included in the fertilization plan as a whole.

Warnings Store at a temperature between 10° C and 30° C. Keep in the original container in a cool, dry place, away from excess heat. Do not exceed the appropriate doses.



Formulation	Packages	Granular diameter	Specific weight	Technical notes
Granular	30 kg Bag	1.5 - 4.5 mm	-	 Soil application  Exclusive Agriges production technology  Exclusive Agriges production technology

Technical notes

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Contacts

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