PRODUCT CATALOGUE

BRIGHT CROP NUTRITION

pavoni&C spa
fitonutrizione intelligente

www.pavonispa.it

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BRIGHT CROP NUTRITION

Providing the right amount of nourishment, at the right time, is the aim of plant nutrition for guaranteeing the correct development of plants and fruits. It is therefore essential that fertilizers have all the technical qualities that allow the optimum nutrients absorption. Our purpose is to ensure that the demanding technology of the formulations can always be matched with the right benefit cost ratio.

Our fertilizers are formulated with high quality raw materials and are designed to promote high yielding and crops that look good, taste good and are resistant to transportation.

The increased awareness of environmental problems encouraged our experts to develop formulations that increase nutrients uptake avoiding wastage and contamination of the environment. Production of Organic Farming formulas has increased to satisfy demands of increasingly diverse and sophisticated agricultural markets.

THE COMPANY

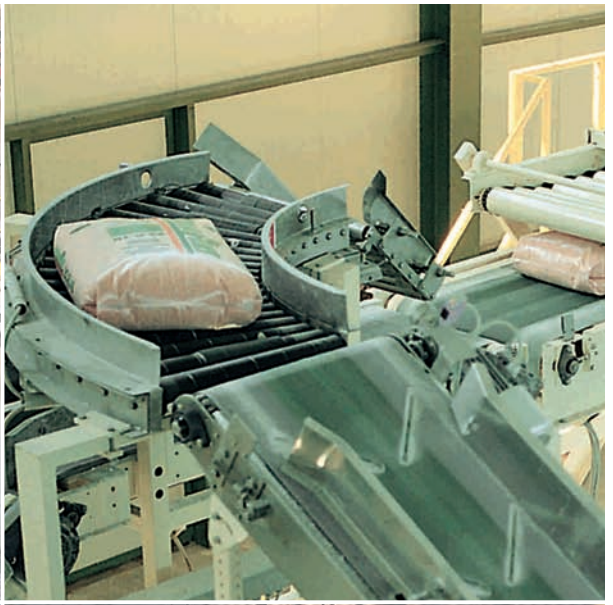
The company was formed in the 1960's as a pr ivate enterprise to distribute Agrochemical products (for 39 years it represented ICI Plant Protection in Sicily). In the early 1970's it became a Limited Company and opened its first fac tory producing specialised fertilizers. **Pavoni & C Spa** introduced in Sicily for the first time products like Potassium Nitrate, Urea Phosphate and Magnesium Nitrate which are now widely used. Production activity is focused on special soluble fertilizers for fertigation and foliar application (Nu-Zim is still the most widely used foliar fertiliser for citrus). **Pavoni & C Spa** continues to be the market leader in Sicily and one of the lar gest players in Italy for production and sale of special fertilizers.

In the early part of the new millennium was inaugurated a new factory where all the production is concentrated. Facilities occupy an overall area of 50.000 square metres of which 10.000 are covered.

In 2015 new facilities (2000 square metres) were built up for better optimizing the increased movement of containers that leave to different worldwide destinations. The Export division represents a significant part of the company's profit and today reached the 32% of the production.

FACILITIES

Our world class facilities are capable of producing cost effective formulations with high technical value. Fully automated and computerised systems ensure high production standards. Production capacities are such that we can ensure speedy deliveries, on tim e, even in periods of peak demand.




mala

PACKAGING

Water-Soluble Powders

Bags

Bags are in PE or in PE/PP (particularly suitable for overseas sales), strong, easy to handle and easily recognizable because of their bright colours.

Liquids

Small Tanks (IBC's)

The cheapest way to transport liquids, also suitable for our most distant customers.

Drums

Drums are a good solution for transporting liquids for those farmers unable to handle IBC's. They are reusable.

Tanks

Tanks, easy to handle, are the most com-mon way to distribute liquid fertilizers, especially for smaller users.

Granular

Bags

Bags for granular products are mainly transparent so that the granulometry and colour can be checked without opening the pack.

Foliar Fertilizers and Micronutrients

Bags, Boxes and Bottles

Packaged carefully and placed in outer cartons with an attractive finish.


WATER-SOLUBLE

EXCELLENT®

LOW pH WATER-SOLUBLE FERTILIZERS FOR FERTIGATION CONTAINING READILY AVAILABLE NITROGEN, PHOSPHORUS, POTASSIUM AND MICRONUTRIENTS

A balanced synthesis of the finest raw materials. Nitrogen is present as Nitrate, Ammonium and Ureic from Urea Phosphate in which nitrogen losses from leaching and volatilisation are marginal if compared to the losses from Urea. Phosphorus mainly comes from Urea Phosphate to facilitate intake of this element in the presence of hard waters and high pH soils. Potassium is derived from the Nitrate, to obtain a quick response from this important nutrient. EDTA chelate Microelements complete the nutri-tional picture. The presence of Urea Phosphate has the benefit of continuously removing scale encrustations from irrigation systems.

COMPOSITION

EXCELLENT	12.16.32 + micro	12.24.24 + micro	18.9.27 + micro	15.10.30 + micro
Total Nitrogen (N)	12	12	18	15
Nitric Nitrogen (N)	8	6	8	8,5
Ammonium Nitrogen (N)	2	3	2	3
Ureic Nitrogen (N)	2	3	8	3,5
Phosphate (P_2O_5) water soluble	16	24	9	10
Potassium Oxide (K_2O) water soluble	32	24	27	30
Boron (B) water soluble	0,01	0,01	0,01	0,01
Copper (Cu) EDTA chelated	0,002	0,002	0,002	0,002
Iron (Fe) EDTA chelated	0,02	0,02	0,02	0,02
Manganese (Mn) EDTA chelated	0,01	0,01	0,01	0,01
Molybdenum (Mo) water soluble	0,001	0,001	0,001	0,001
Zinc (Zn) EDTA chelated	0,002	0,002	0,002	0,002
pH 0,1%	3,3	3,1	2,9	2,8
Electric Conductivity (0,1% at 25° C, mS/cm)	1,23	1,19	1,29	1,52
Solubility at 25°C (g/l H_2O)	430	540	480	460

Bags
Kg. 25

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit	200-400 Kg/Ha
Grapes	200-500 Kg/Ha
Field vegetables	50-100 Kg/Ha
Greenhouse vegetables	30-50 Kg/Ha
Floriculture	30-50 Kg/Ha

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.

FERTELITE®

LOW pH WATER-SOLUBLE FERTILIZERS FOR FERTIGATION CONTAINING READILY AVAILABLE NITROGEN, PHOSPHORUS, AND POTASSIUM

FERTELITE are produced from highly pure raw materials, a wide product range meeting all the different requirements of the various crops. Phosphorus mainly comes from Urea Phosphate facilitates intake of this element in the presence of hard waters. Nitrogen is present as Nitrate, Ammonium and Ureic from Urea Phosphate and low biuret Urea. The acid reaction of the product allows full de-scaling of irrigation plants and helps the intake of micronutrients especially in the presence of soils with high pH.

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit	200-400 Kg/Ha
Grapes	200-500 Kg/Ha
Field vegetables	50-100 Kg/Ha
Greenhouse vegetables	30-50 Kg/Ha
Floriculture	30-50 Kg/Ha

COMPOSITION

FERTELITE	8.24.24	20.7.22	15.10.25	16.26.18	20.20.20 + micro	23.7.23 +2 MgO	9.20.30
Total Nitrogen (N)	8	20	15	16	20	23	9
Nitric Nitrogen (N)	1	6	7	5	4	5	5
Ammonium Nitrogen (N)	7	5	8	-	-	-	4
Ureic Nitrogen (N)	-	9	-	11	16	18	-
Phosphate (P_2O_5) water soluble	24	7	10	26	20	7	20
Potassium Oxide (K_2O) water soluble	24	22	25	18	20	23	30
Magnesium Oxide (MgO) water soluble	-	-	-	-	-	2	-
Boron (B) water soluble	-	-	-	-	0,01	-	-
Copper (Cu) EDTA chelated	-	-	-	-	0,002	-	-
Iron (Fe) EDTA chelated	-	-	-	-	0,02	-	-
Manganese (Mn) EDTA chelated	-	-	-	-	0,01	-	-
Molybdenum (Mo) water soluble	-	-	-	-	0,001	-	-
Zinc (Zn) EDTA chelated	-	-	-	-	0,002	-	-
pH 0,1%	3,07	3,3	4,0	2,8	4,5	5,0	4,5
Electric Conductivity (0,1% at 25° C, mS/cm)	1,43	1,15	1,27	1,13	1,19	1,29	1,23
Solubility at 25°C (g/l H_2O)	380	400	345	460	500	350	430
Chelate stability pH range							4,0-9,0

Bags Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.

HYDROCOMPOST® PHAST

WATER-SOLUBLE NPK FERTILIZERS CONTAINING SULPHUR, MAGNESIUM AND MICRONUTRIENTS

COMPOSITION

HYDROCOMPOST PHAST	8.20.24 +2 MgO + micro	8.30.20 +2 MgO + micro	20.12.16 +2 MgO + micro	5.20.30 +2 MgO + micro	18.18.18 +2 MgO + micro
Total Ureic Nitrogen (N)	8	8	20	5	18
Phosphate (P_2O_5) water soluble	20	30	12	20	18
Potassium Oxide (K_2O) water soluble	24	20	16	30	18
Magnesium Oxide (MgO) water soluble	2	2	2	2	2
Sulphur Trioxide (SO_3) water soluble	26	16	18	26	16
Boron (B) water soluble	0,01	0,01	0,01	0,01	0,01
Copper (Cu) EDTA chelated	0,002	0,002	0,002	0,002	0,002
Iron (Fe) EDTA chelated	0,02	0,02	0,02	0,02	0,02
Manganese (Mn) EDTA chelated	0,01	0,01	0,01	0,01	0,01
Molybdenum (Mo) water soluble	0,001	0,001	0,001	0,001	0,001
Zinc (Zn) EDTA chelated	0,002	0,002	0,002	0,002	0,002
pH 0,1%	2,5	2,5	2,5	2,5	2,5
Electric Conductivity (0,1% at 25° C, mS/cm)	1,07	1,19	1,38	1,25	1,15
Solubility at 25°C (g/l H_2O)	545	540	465	540	543
Chelate stability pH range	4,0-9,0				

HYDROCOMPOST PHAST is a water-soluble fertilizer made from highly pure raw materials with acid reaction. The acid nature of the product makes it suitable for calcareous and alkaline soils and allows rapid micronutrients absorption.
Thanks to its sulphur content (in the shape of SO3) HYDROCOMPOST PHAST helps synthesis of those compounds that enhance fruits taste and colour and enrich their vitamins content.
HYDROCOMPOST PHAST is available in diffe-rent formulations suitable for the crop's diffe-rent growth stages.

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit	200-400 Kg/Ha
Grapes	200-500 Kg/Ha
Field vegetables	50-100 Kg/Ha
Greenhouse vegetables	30-50 Kg/Ha
Floriculture	30-50 Kg/Ha

Bags Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.

IDROSOL®

WATER-SOLUBLE FERTILIZERS FOR FERTIGATION CONTAINING READILY AVAILABLE NITROGEN, PHOSPHORUS AND POTASSIUM

A wide product range meeting all the different requirements of the various crops. Rates 1/3/3 and 1/1,5/3 are particularly appropriate as base fertilizers for arboreal crops acting as initiators for blossom production and early fruiting. In vegetable crops they serve to hasten ripening. Their use is recommended where Nitrogen requirement is minimal and in crops with multi stage production and ripening. They also increase sugar content, rate of maturation and fruit colouration. Rate 2/1/1 is particularly suitable when an immediate vegetative push is useful to accelerate crop development; for example to stimulate fruit production and enlargement. Rates 2/0,5/2 and 1,5/0,5/2 are suitable when high nitrogen/potassium ratios necessary as in the blossom stage and during fruit enlargement. The 1/4,5/1 rate is recom-mended during early vegetative phases.

COMPOSITION

IDROSOL	8.24.24	9.18.27	8.12.24	24.10.10	22.5.20	16.6.26 +2MgO + micro	10.45.10
Total Nitrogen (N)	8	9	8	24	22	16	10
Nitric Nitrogen (N)	1	2	4	2	5,85	7	-
Ammonium Nitrogen (N)	7	7	4	10	5,65	4,5	10
Ureic Nitrogen (N)	-	-	-	12	10,5	4,5	-
Phosphate (P_2O_5) water soluble	24	18	12	10	5	6	45
Potassium Oxide (K_2O) water soluble	24	27	24	10	20	26	10
Magnesium Oxide (MgO) water soluble	-	-	-	-	-	2	-
Sulphoric Trioxide (SO_3) water soluble	5,9	7	18,2	19,5	15,6	14,2	-
Boron (B) water soluble	-	-	-	-	-	0,05	-
Zinc (Zn) water soluble	-	-	-	-	-	0,1	-
pH 0,1%	3,1	3,6	3,9	5,1	4,8	5	3,8
Electric Conductivity (0,1% at 25° C, mS/cm)	1,43	1,56	1,58	0,91	1,10	1,27	1,22
Solubility at 25°C (g/l H_2O)	380	355	320	550	420	345	435

Citrus - Top Fruit	200-400 Kg/Ha
Grapes	200-500 Kg/Ha
Field vegetables	50-100 Kg/Ha
Greenhouse vegetables	30-50 Kg/Ha
Floriculture	30-50 Kg/Ha

DOSAGE AND USAGE PROCEDURES (fertigation)

Bags
Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.

MAGNI TOP

WATER-SOLUBLE MAGNESIUM NITRATE FREE OF CHLORIDES AND SULPHATES

Magnesium is a fundamental chlorophyll element and is an essential nutrient for crops; it plays an important role in the synthesis of carbohydrates, proteins and fats and is involved in catalytic reactions of enzymatic systems and in vitamin formation. The first symptoms of Magnesium shortage are shown as yellow patches along either side of the leaf midrib and occasionally close to the tip. In other cases the whole leaf yellows or falls. Serious shortages are seen on several crops like grapes, citrus, top-fruit and vegetables. Decreasing organic fertilizer application and intensifying cropping cycles often induces magnesium deficiency compromising yields. In grapes, for example, magnesium deficiency causes the rachis to dry up leading to withering of the entire bunch; in citrus fruit size decreases substantially together with vitamin C content causing an early drop. All these problems are easily solved using **MAGNITOP**. Because it is based on Magnesium Nitrate (a more soluble molecule than the sulphate or chloride) it is immediately and completely absorbed by the crop. The nitrogen supplied by the nitrate ion also helps the plant to recover more rapidly from the symptoms of chlorosis.

COMPOSITION

Total Nitrogen (N)	**11%**
Nitric Nitrogen (N)	**11%**
Magnesium Oxide (MgO) water soluble	**16%**
pH 0,1%	**5,5**
Electric Conductivity (0,1% at 25° C, mS/cm)	**0,88%**
Solubility at 25°C (g/l H_2O)	**225**

DOSAGE AND USAGE PROCEDURES

Citrus	0,5-1 Kg/Hl (foliar) 40-100 Kg/Ha (fertigation)
Top Fruit	0,5 Kg/Hl (foliar) 70-100 Kg/Ha (fertigation)
Grapes	0,5-1 Kg/Hl (foliar) 50-100 Kg/Ha (fertigation)
Field and Greenhouse vegetables	0,3-0,5 Kg/Hl (foliar) 25-50 Kg/Ha (fertigation)

Bags Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). Applications every 15-20 days (splitting the total quantity in 2-3 times) are advised.

MAXI-FEED®

WATER-SOLUBLE FERTILIZERS FOR FERTIGATION CONTAINING READILY AVAILABLE NITROGEN, PHOSPHORUS, POTASSIUM AND MICRONUTRIENTS

Formulated with Nitrogen, Phosphorus, Potassium and the most important Microelements. These products are made to be fully soluble in water in order to guarantee rapid root intake and irrigation systems working perfectly.

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit	200-400 Kg/Ha
Grapes	200-500 Kg/Ha
Field vegetables	50-100 Kg/Ha
Greenhouse vegetables	30-50 Kg/Ha
Floriculture	30-50 Kg/Ha

COMPOSITION

MAXI-FEED	20.20.20 + TE	9.18.27 + TE	16.5.30 + TE
Total Nitrogen (N)	20	9	16
Nitric Nitrogen (N)	6	3	9
Ammonium Nitrogen (N)	4	6	5
Ureic Nitrogen (N)	10	-	2
Phosphate (P_2O_5) water soluble	20	18	5
Potassium Oxide (K_2O) water soluble	20	27	30
Boron (B) water soluble	0,01	0,01	0,01
Copper (Cu) EDTA chelated	0,002	0,002	0,002
Iron (Fe) EDTA chelated	0,02	0,02	0,02
Manganese (Mn) EDTA chelated	0,01	0,01	0,01
Molybdenum (Mo) water soluble	0,001	0,001	0,001
Zinc (Zn) EDTA chelated	0,002	0,002	0,002
pH 0,1%	4,9	4,2	4,7
Electric Conductivity (0,1% at 25° C, mS/cm)	0,88	1,15	1,24
Solubility at 25°C (g/l H_2O)	520	475	440
Chelate stability pH range			4,0-9,0

Bags Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.

MAXI-FEED® ROOTGROW

WATER-SOLUBLE NPK FERTILIZERS ENRICHED WITH A COMPLEX OF AMINO-ACIDS THAT ACCELERATE THE ROOTING SYSTEM GROWTH

The **MAXI-FEED ROOTGROW** range is formulated with highly pure raw materials, fully soluble in water. Formulae are calculated to be highly effective during vegetative phases and in particular during the rooting stage. The com-mon characteristic of the different **MAXI-FEED ROOTGROW** products is the presence of an amino-acid complex that helps the intake of the main nutrients, accelerates rooting and thus overall growth. The **MAXI-FEED ROOTGROW** range is suitable for the whole cultivation cycle ensuring maintenance of the root system. By this means the crop is ready to overcome climatic and other types of stress. Hence continual repeated applications are recommen-ded in order to maintain an optimal intake of amino acids and nutrients together with correct growth stimulation.

COMPOSITION

MAXI-FEED ROOTGROW	20.20.20 + micro	6.32.32 + micro	12.32.16 + micro
Total Nitrogen (N)	20	6	12
Nitric Nitrogen (N)	6	4	4
Ammonium Nitrogen (N)	4	2	8
Ureic Nitrogen (N)	10	-	-
Phosphate (P_2O_5) water soluble	20	32	32
Potassium Oxide (K_2O) water soluble	20	32	16
Boron (B) water soluble	0,01	0,01	0,01
Copper (Cu) EDTA chelated	0,002	0,002	0,002
Iron (Fe) EDTA chelated	0,02	0,02	0,02
Manganese (Mn) EDTA chelated	0,01	0,01	0,01
Molybdenum (Mo) water soluble	0,001	0,001	0,001
Zinc (Zn) EDTA chelated	0,002	0,002	0,002
pH 0,1%	5,3	4,98	5,12
Electric Conductivity (0,1% at 25° C, mS/cm)	0,848	0,968	1,126
Solubility at 25°C (g/l H_2O)	500	350	420
Chelate stability pH range 4,0-9,0			

Bags Kg. 25

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit - Grapes	30-50 Kg/Ha
Field vegetables	30-50 Kg/Ha
Greenhouse vegetables	30-40 Kg/Ha
Floriculture	30-40 Kg/Ha

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. 5-6 application are advised during the whole vegetative cycle.

PONIMAG®
10-40+3

WATER-SOLUBLE FERTILIZER CONTAINING READILY AVAILABLE NITROGEN, POTASSIUM AND MAGNESIUM

PONIMAG was formulated as a means of supplying to the plant in a single product, both Potassium Nitrate and an adequate dose of Magnesium. This balanced formulation reduces antagonism between the two nutrients optimising root and foliar intake.

DOSAGE AND USAGE PROCEDURES

Citrus	500-1000 g/Hl (foliar) 200-400 Kg/Ha (fertigation)
Top Fruit Grapes	300-500 g/Hl (foliar) 200-400 Kg/Ha (fertigation)
Greenhouse vegetables	200 g/Hl (foliar) 30-50 Kg/Ha (fertigation)
Field vegetables	300 g/Hl (foliar) 30-50 Kg/Ha (fertigation)
Floriculture	200 g/Hl (foliar) 30-50 Kg/Ha (fertigation)

COMPOSITION

Total Nitrogen (N).....10%
Nitric Nitrogen (N).....7%
Ureic Nitrogen (N) 3%
Potassium Oxide (K_2O).....40%
water soluble
Magnesium Oxide (MgO).....3%
water soluble
pH 0,1% 6,5
Electric Conductivity
(0,1% at 25° C, mS/cm).....1,33
Solubility at 25°C (g/l H_2O).....340

Bags
Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.

POTASSIUM SULPHONITRATE
12-0-34 + 30

SOLUBLE POWDERED FERTILIZER
CONTAINING READILY AVAILABLE NITROGEN,
POTASSIUM AND SULPHUR

COMPOSITION

Total Nitrogen (N)	12%
Nitric Nitrogen (N)	6%
Ammonium Nitrogen (N)	6%
Potassium Oxide (K_2O) water soluble	34%
Sulphuric Trioxide (SO_3) water soluble	30%
pH 0,1%	3,8
Electric Conductivity (0,1% at 25° C, mS/cm)	1,40
Solubility at 25°C (g/l H_2O)	240

This is a soluble product with a balanced nutrient content. Contains Nitrogen in its most useful forms (Nitrate, Ammonium). Potassium comes only from Nitrate and Sulphate - thus guaranteeing absolute absence of chlorides - and a high Sulphur content. **POTASSIUM SULPHONITRATE** in solution gives an acidic reaction; this makes the product particularly suitable for calcareous soils and in hard water areas, working also as a descaler for irrigation plants.

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Grapes - Top Fruit	150-300 Kg/Ha
Field and Greenhouse vegetables	30-50 Kg/Ha
Floriculture	30-50 Kg/Ha

Bags
Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.

PROTOPHOS®
14-54

LOW pH WATER-SOLUBLE FERTILIZER CONTAINING AMMONIUM IONS, PHOSPHORUS AND UREA CHEMICALLY BONDED

PROTOPHOS 14-54 is a balanced fusion of phosphates with two forms of nitrogen. The phosphates are linked, by means of proton activity, to ureic nitrogen forming an adduct and, by ionic bonds to ammonium ions. The resultant formulation minimises the loss of nitrogen from the soil in two ways:
i) by reducing volatilisation to the atmosphere;
ii) by an acidifying effect which deactivates urease enzyme in the soil, slowing down the degradation of urea by hydrolysis. This is particularly beneficial in calcareous soils.
Other significant benefits of using **PROTOPHOS 14-54** are:
a) The low pH (2.5 in a 0,1% solution) aids in the release of micronutrients from the soil.
b) This acidity ensures that irrigation systems are kept free of calcium deposits, even in hard water areas. Pipes and nozzles remain blockage-free and there is no need to use hazardous acids for cleaning.

COMPOSITION

Total Nitrogen (N)	**14%**
Ammonium Nitrogen (N)	**7%**
Ureic Nitrogen (N)	**7%**
Phosphate (P_2O_5)	**54%**
water soluble	
pH 0,1%	**2,5**
Electric Conductivity (0,1% at 25° C, mS/cm)	**1,18**
Solubility at 25°C (g/l H_2O)	**520**

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Grapes - Top Fruit	100-150 Kg/Ha
Field and Greenhouse vegetables	50-80 Kg/Ha
Floriculture	30-50 Kg/Ha

Bags
Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications. DO NOT MIX WITH CALCIUM BASED PRODUCTS.

SOLUFERT®

WATER-SOLUBLE FERTILIZERS FOR FERTIGATION CONTAINING READILY AVAILABLE NITROGEN, PHOSPHORUS, POTASSIUM AND MAGNESIUM

SOLUFERTS are produced from highly pure raw materials, entirely free of polluting agents like Chlorine and Sodium. Fully water soluble and hence readily assimilated by the crops' root system. Magnesium, which is a main com-ponent in chlorophyll, is present to ensure the crop reaches its full photosynthetic potential. **SOLUFERTS** is available in five different formula-tions each one suitable for the crop's different growth stages.

COMPOSITION

SOLUFERT	15.5.30 +2 MgO+ micro	22.10.10 +2 MgO	9.18.27 +2 MgO	18.18.18 +2 MgO	20.10+2 + micro
Total Nitrogen (N)	15	22	9	18	20
Nitric Nitrogen (N)	6	3	3	5	-
Ammonium Nitrogen (N)	2,6	8	4,9	4	15,2
Ureic Nitrogen (N)	6,4	11	1,1	9	4,8
Phosphate (P_2O_5) water soluble	5	10	18	18	10
Potassium Oxide (K_2O) water soluble	30	10	27	18	-
Magnesium Oxide (MgO) water soluble	2	2	2	2	2
Sulphoric Trioxide (SO_3) water soluble	-	18	-	-	42
Manganese (Mn) water soluble	0,1	-	-	-	0,1
Zinc (Zn) water soluble	0,1	-	-	-	0,1
pH 0,1%	4,9	5,0	4,4	5,0	5,0
Electric Conductivity (0,1% at 25° C, mS/cm)	1,31	1,28	1,22	0,91	1,58
Solubility at 25°C (g/l H_2O)	440	490	460	520	305

Bags
Kg. 25

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit	200-400 Kg/Ha
Grapes	200-500 Kg/Ha
Field vegetables	50-100 Kg/Ha
Greenhouse vegetables	30-50 Kg/Ha
Floriculture	30-50 Kg/Ha

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. The chosen quantities can be supplied in one application or, better, in two or more applications.


SOILLESS

FITO EXPERT®

FERTILIZER PROGRAM FOR SOILLESS CULTURE

Plant nutrition in soilless culture is carried out by circulating solutions that contain the right amount of nutrients thus leading to optimum crop growth. The benefits of soilless culture are many: the possibility of cultivating successfully on tired or low productivity soils; improvement in yields; standardization of production processes; saving both energy and labour. It is, however, critical to prepare the most appropriate nutritive solution for every crop, taking into consideration the characteristics of the water used for the circulating solution.

The **FITOEXPERT** line is specifically designed as a range of nutrients for soilless culture and includes Macro, Meso and Micro nutrients.

By mixing different **FITOEXPERT** formulations according to water characteristic and crop type, the best nutrient solution can be obtained.

Calculation of the nutrient solution is made by a specific program available online at:

www.pavonispa.it/fitoexpert_main_en.htm

FITO EXPERT ®

Powder fertilizers,named **"B"** formulas containing Nitrogen (Nitric and Ammonium), Potassium and Phosphorus.

Bags
Kg. 25

Liquid fertilizers,named **"A"** formulas containing Calcium, Magnesium and Nitric Nitrogen.

IBC's
Kg. 1250

Drums
Kg. 250

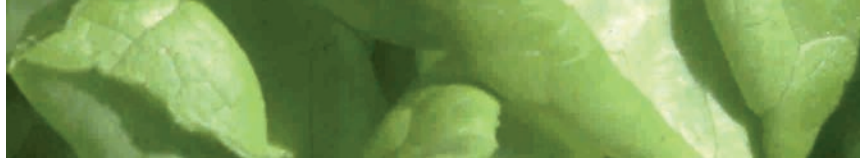
Tanks
Kg. 6-30

Powder fertilizers,named **"M"** formulas containing Micronutrients.

Bags
Kg. 1-2,5-5

BRIGHT CROP NUTRITION

FOLIAR FEEDS



ALGAFLUID®

VEGETAL BIOSTIMULANT
FOR ORGANIC FARMING

ALGAFLUID, entirely obtained from vegetal constituents has a biostimulant action improving the plants growth especially in case of difficult climatic conditions. **ALGAFLUID** helps nutrients intake and it's promptly absorbed. It moves rapidly from the leaves surface to the cells increasing the metabolic activity of the plant.

COMPOSITION

Organic Nitrogen (N)	**1%**
Organic Carbon (C)	**12%**
Potassium Oxide (K_2O)	**6%**
Betaine	**1%**

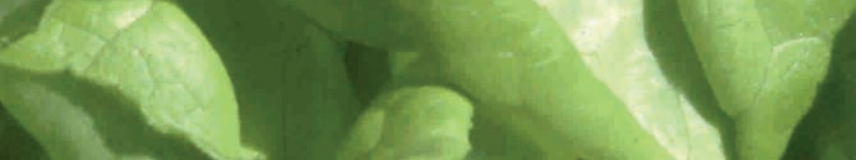
DOSAGE AND USAGE PROCEDURES

FOLIAR APPLICATIONS	150-200 grams per 100 lt water
FERTIGATION	5-10 Kg/Ha

Bottles
Kg. 1

Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



AMINOSPRAY®

ORGANIC LIQUID FERTILIZER WITH AMINO-ACIDS FROM ENZYMATIC HYDROLYSIS

A latest generation organic fertilizer made of low molecular weight amino acids, peptides and peptones formulated for repeated foliar treatments to all crops, horticultural and arboreal. The amino acids contained are indispensable for the crop's life, not only as nutrients but also as catalysts of enzymatic activities essential for plant metabolism. Proteins are a vital constituent of animal and plant life; in the latter being indispensable for vegetative growth, flowering and fruit forma-tion. Starting with Nitrogen, water and air pho-tochemical processes convert these raw materials initially into amino acids; sub-sequently peptides and proteins are formed. This requires time and significant use of the crop's energy intake. **AMINOSPRAY**, supplying readily absor-bed peptides and peptones accelerates protein formation and increases the productive capacity of the treated crops. Nutrient penetration into the tissues is also enhanced reducing stress due to climatic factors and/or pesticide treatments.
The product can be used both as a foliar application and in fertigation systems.

COMPOSITION

Total Nitrogen (N)	**9%**
Organic Nitrogen (N)	**9%**
Biological Organic Carbon (C)	**25%**

AMINOGRAM (gr/100 gr di amino acid)

Aspartic Acid	5,70
Glutamic Acid	10,42
Alanine	8,93
Arginine	5,95
Cysteine	0,37
Phenylalanine	2,48
Glycine	25,31
Hydroxyproline	8,18
Isoleucine	1,48
Istidine	1,24
Leucine	3,72
Lysine	4,46
Methionine	0,74
Proline	13,97
Serine	1,73
Tyrosine	1,48
Threonine	0,99
Tryptophan	0,37
Valine	2,48

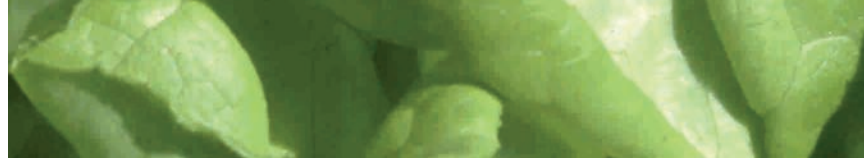
DOSAGE AND USAGE PROCEDURES

Top Fruit - Grapes - Olive	300 g/Hl
Floriculture and Greenhouse vegetables	300 g/Hl
Field vegetables	250 g/Hl
Cereal	4-5 Kg/Ha


Bottles Kg. 1


Tanks Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.



BIOCAL

CALCIUM BASED LIQUID FERTILIZER

BIOCAL is formulated to ensure a high nutrition in calcium coformulated with proteininc extracts helping the crops to develop their natural defence system. The plants are more resistant and promptly overcome all the types of stress. The high content in calcium improves the colour and texture of the fruits increasing production yields.

COMPOSITION

Calcium Oxide (CaO).....12%
water soluble
coformulated with proteininc extracts

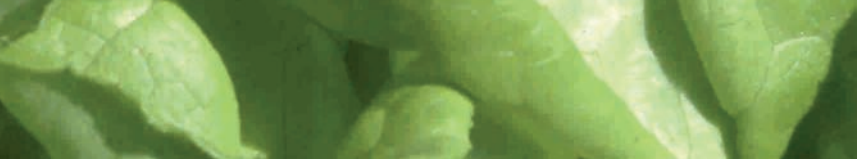
DOSAGE AND USAGE PROCEDURES

Fruit trees Vegetables	150-200 g/100 lt water (foliar)

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. DO NOT MIX WITH FERTILIZERS CONTAINING PHOSPHOROUS.



BOROFLUID

LIQUID FERTILIZER CONTAINING BORON AS ETHANOLAMINE SALT

BOROFLUID is formulated to prevent and cure Boron shortages caused by imbalances and deficiencies in the assimilation of this element. Boron is essential for the crop's development and deficiency leads to decreased production, poor vegetative growth and loss of quality in the fruits. Boron moves poorly inside the crop and therefore has to be supplied as a preventative treatment.
BOROFLUID can be used both as a foliar application and in fertigation systems.

COMPOSITION

Boron (B) 11%
water soluble
(as ethanolamine salt)

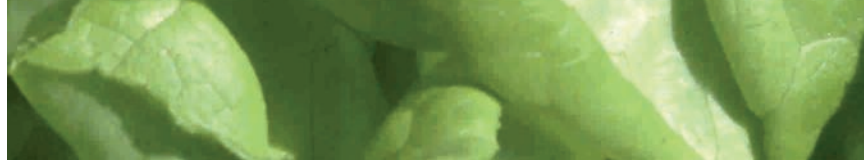
DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes	100 g/Hl (foliar) 10 Kg/Ha (fertigation)
Olive	100 g/Hl (foliar) 10 Kg/Ha (fertigation)
Field vegetables	50-100 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Floriculture	50-100 g/Hl (foliar) 5-10 Kg/Ha (fertigation)

Bottles
Kg. 1

Tanks
Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



FIXFOL

FIXATIVE FERTILIZER MADE WITH POLYETHER SILICONE SURFACTANT

FIXFOL is studied to improve the efficacy of agrochemicals and foliar treatments. It guarantees a rapid wetting effect even on difficult surfaces such as waxy and tomentose leaves. **FIXFOL** allows a complete covering of the foliar surface and, thank to its fixative action, helps permeation of the active ingredients and prevents from rain-wash. The high content of Zinc and Low Biuret ureic Nitrogen promotes leaves healing reducing treatment's stresses. The formulation is particularly suitable as coadjutant for herbicide treatments. **FIXFOL** enhances agrochemicals efficacy reducing considerably the losses due to rain-wash and evaporation.

COMPOSITION

Total Nitrogen (N) 15%
Ureic Nitrogen (N).....15%
Zinc (Zn) 2%
Fixative agent: Polyether Silicone Surfactant

DOSAGE AND USAGE PROCEDURES

Apply **FIXFOL** in foliar application at the dosage of 200 g per 100 liters water.

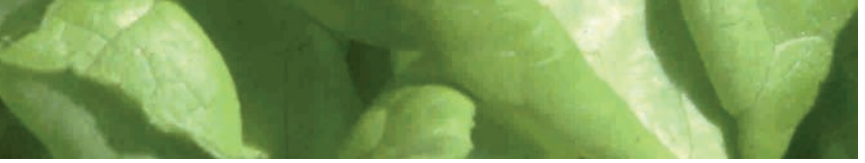
A traditional surfactant slightly increases the drop/leaf surface contact.

FIXFOL allows a complete spreading of the drop and guarantees the maximum possible contact surface. The fixative effect prevents losses of active ingredients due to rain-wash.

Bottles
Kg. 1

Tanks
Kg. 6

DO NOT MIX WITH ACID PRODUCTS. DO NOT MIX WITH OILS AND COPPER BASED PRODUCTS.



GLUCOMPOST MIX

LIQUID FOLIAR FERTILIZER WITH COMPLEXED MICRONUTRIENTS

GLUCOMPOST MIX is a liquid fertilizer designed to reduce nutrient deficiencies by inducing rapid absorption of the micronutrient content. Complexes with high molecular weight organic acid are, in fact, easily absorbed by the crop quickly transferring nutrients into the body of the plant.

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes	300 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Greenhouse vegetables	200 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Field vegetables	300 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Floriculture	200 g/Hl (foliar) 5-10 Kg/Ha (fertigation)

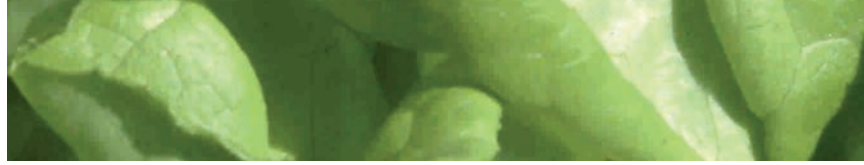
COMPOSITION

Boron (B) water soluble 1%
Iron (Fe) EDTA chelated 1%
water soluble
Manganese (Mn) EDTA chelated.....2%
water soluble
Molybdenum (Mo).....0,15%
water soluble
Zinc (Zn) EDTA chelated 1%
water soluble

Bottles
Kg. 1

Tanks
Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



GRANSPRAY®

FOLIAR FERTILIZER WITH ORGANIC NITROGEN FROM AMINO-ACIDS AND BIURET-FREE UREIC NITROGEN

Organo-mineral fertilizer made with low molecular weight amino acids and synthesised Organic Nitrogen characterized by a low biuret content, carefully evaluated to allow repeated foliar treatments. Amino acids contained in the product are vital for the crop not only as nutrients but also as catalysts of enzymatic activities. **GRANSPRAY** is very important as an activator of metabolic functions. Nutrient penetration into the tissues is also enhanced reducing stress due to climatic factors and/or pesticide treatments. **GRANSPRAY** can be used both as a foliar application and in fertigation systems.

COMPOSITION

Total Nitrogen (N)	**14%**
Organic Nitrogen (N)	**4,2%**
Ureic Nitrogen (N)	**10,1%**
Biologic Organic Carbon (C)	**11,4%**
Biuret content less than	**0,2%**

AMINOGRAM (gr/100 gr di amino acid)

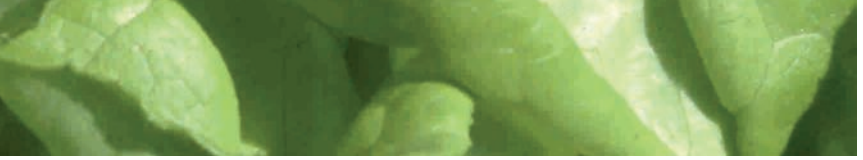
Aspartic Acid	5,20
Glutamic Acid	10,12
Alanine	8,10
Arginine	5,45
Cysteine	0,17
Phenylalanine	2,15
Glycine	24,80
Hydroxyproline	7,95
Isoleucine	1,05
Istidine	0,98
Leucine	3,05
Lysine	4,06
Methionine	0,15
Proline	13,22
Serine	1,45
Tyrosine	1,03
Threonine	0,35
Tryptophan	0,10
Valine	1,98

Tanks
Kg. 6-30

DOSAGE AND USAGE PROCEDURES

Citrus	300-500 g/Hl
Top Fruit - Grapes	250-300 g/Hl
Field vegetables	200-300 g/Hl
Cereal	6-10 Kg/Ha

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



IRON SPRAY®
"the leaves'fertilizer"

CHELATED IRON IN SOLUBLE POWDER FORM FOR ALL THE CROPS

IRON SPRAY is a chelated iron powder formulation to prevent and cure chlorosis by foliar application. The high concentration (11%) rapidly corrects problems caused by iron deficiency and hence increases photosynthetic activity. Applications of **IRON SPRAY** are particularly suitable during phases of vegetative recovery.

COMPOSITION

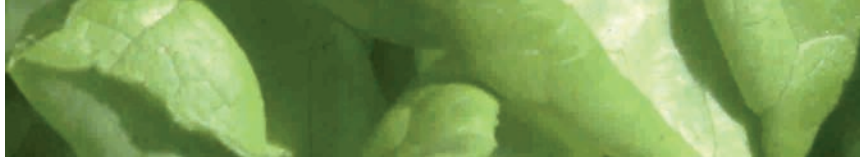
Total chelated Iron (Fe)	11%
Iron (Fe) water soluble	11%
Chelating agent: DTPA	
Chelate stability pH range	4,0-9,0

DOSAGE AND USAGE PROCEDURES

Citrus - Top Friut - Olive	100-150 g/Hl
Grapes	50-100 g/Hl
Field and Greenhouse vegetables	50-100 g/Hl
Floriculture	50 g/Hl
Turf	100-150 g/Hl

Bags
Kg. 1

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



LEAFEED®

ORGANIC FERTILIZER WITH LOW MOLECULAR WEIGHT AMINO-ACIDS AND NATURAL AUXINS

LEAFEED is a natural organic fertilizer containing low molecular weight amino acids, vitamins and auxins easily absorbed by all crops both arboreal and herbaceous. Stimulates growth using the effect of natural enzymes. Particularly suitable in cases of stress due to excess heat or frost. Increases the absorption and efficiency of co-applied fertilizers. The composition of **LEAFEED** promotes stomatal opening thus improving foliar intake. **LEAFEED** can be used both as a foliar application and in fertigation systems.

COMPOSITION

Total Organic Nitrogen (N).....6%
Organic Nitrogen (N).....6%
water soluble
Biological Organic Carbon (C).....18%

AMINOGRAM (gr/100 gr di amino acid)

Aspartic Acid.....6,20
Glutamic Acid.....11,62
Alanine.....9,50
Arginine.....6,45
Cysteine.....1,05
Phenylalanine.....3,10
Glycine.....25,90
Hydroxyproline 8,85
Isoleucine.....2,05
Istidine.....1,90
Leucine 4,20
Lysine.....5,10
Methionine.....1,05
Proline 14,03
Serine 2,00
Tyrosine.....1,90
Threonine 1,20
Tryptophan 0,85
Valine 2,98

DOSAGE AND USAGE PROCEDURES

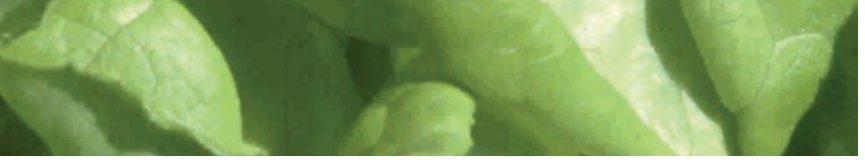
Citrus - Top Fruit Grapes	250 g/Hl (foliar) 10 Kg/Ha (fertigation)
Greenhouse vegetables Floriculture	200 g/Hl (foliar) 10 Kg/Ha (fertigation)
Field vegetables	250 g/Hl (foliar) 10 Kg/Ha (fertigation)

IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.



LEAFINE

PK FERTILIER WITH PHOSPHITE AND GROWTH PROMOTERS

LEAFINE is a new generation fertilizer that can be applied both in fertigation and in foliar application. Thank to its innovative formulation **LEAFINE** is reagily absorbed from roots and leaves helping vegetative and root growth. **LEAFINE** improves the texture of the fruits increasing production yields.

DOSAGE AND USAGE PROCEDURES

Citrus - Friut trees Grapes - Strawberries	100-200 g/Hl (foliar)
Vegetables	100-150 g/Hl (foliar)
Ornamental Plants	5-10 g/mq (foliar)
Arboreal Crops	20-40 kg/Ha (fertigation)
Vegetables	0,5-1 kg per 1000 mt (fertigation)

COMPOSITION

Phosphate (P_2O_5).....42%
water soluble
Potassium oxide (K_2O).....34%
water soluble
Manganese (Mn) EDTA chelated **0,5%**
water soluble
Zinc (Zn) EDTA chelated **0,5%**
water soluble

Bags
Kg. 1

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.

MATURATUTTO L

MATURATION PRECURSOR

MATURATUTTO L is an organic fertilizer made with low molecular weight laevorotatory animo acids obtained from enzymatic hydrolysis and with a high content of Methionine and Phenylalanine. Methionine is precursor of ethylene, a vegetal hormone involved in plant germination and fruits maturation. Phenylalanine is precursor of anthocyanins and flavonols, the pigments responsible for fruits colouration.
Usage of **MATURATUTTO L** allows growth enhancement and plants germination, maturation improvement, better fruits size and pigmentation and sugar content. **MATURATUTTO L** activates the physiological process and improves the metabolic activity of the plants.

COMPOSITION

Total Nitrogen (N).....6,5%
Organic Nitrogen (N).....6,5%
Biological Organic (C) Carbon.....18%
Enriched with Methionine and Phenylalanine

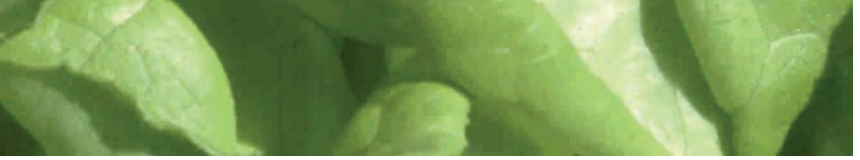
DOSAGE AND USAGE PROCEDURES (foliar applications)

Citrus - Fruit trees Table grapes	300 g/Hl
Kiwi	300-400 g/Hl
Field vegetables	250 g/Hl
Greenhouse vegetables	300 g/Hl
Strawberries	200 g/Hl

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



MESO PLUS 24 ®

LIQUID FERTILIZER CONTAINING CALCIUM AND MAGNESIUM

MESOPLUS 24 is a liquid fertilizer with an acid pH and high concentrations of Calcium and Magnesium to prevent and cure physiological fruit disorders and plant tissue collapse. The balanced ratio between the Nitrogen-Calcium and Magnesium produces stronger cell walls and tissue development helping to prevent premature collapse and retarding ageing.
MESOPLUS 24 can be used both as a foliar application and in fertigation systems.

COMPOSITION

Total Nitrogen (N).....9,5%
Nitric Nitrogen (N) 9,5%
Calcium Oxide (CaO).....10,0%
water soluble
Magnesium Oxide (MgO).....5,0%
water soluble

DOSAGE AND USAGE PROCEDURES

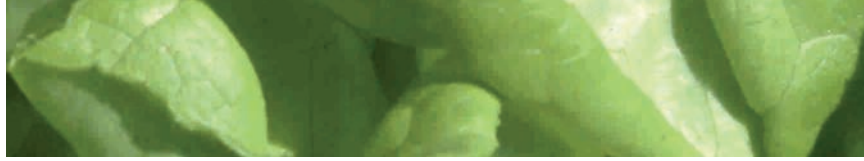
Citrus	350 g/Hl (foliar) 20 Kg/Ha (fertigation)
Grapes Pomaceae	300 g/Hl (foliar) 20 Kg/Ha (fertigation)
Field and Greenhouse vegetables	300 g/Hl (foliar) 30 Kg/Ha (fertigation)
Floriculture	250 g/Hl (foliar) 3 Kg/1000 m^2 (fertigation)


IBC's
Kg. 1250


Drums
Kg. 250


Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. DO NOT MIX WITH FERTILIZERS CONTAINING PHOSPHOROUS.



NEW-COMPLET

NK FERTILIZER WITH MAGNESIUM AND MICRONUTRIENTS

NEW-COMPLET is a mineral fertilizer containing macro, meso and microelements obtained by special processing of hi-tech raw materials. The mixture, formulated by Pavoni technical staff, allows balanced foliar nutrition during the most important growth phases. The nutritional capability of **NEW-COMPLET** is complimented by a combination of auxins, gibberellins and cytokinins. This product accelerates cellular multiplication and stretching, promoting the formation of quality floral clusters even in the coldest months. Treatments with **NEW-COMPLET** are also beneficial during stress conditions, allowing good pollen production and hence pollination by bees. **NEW-COMPLET** improves fruit pigmentation, consistency of the cluster tissue and therefore limits the early drop during stripping and pruning. The product can be used on other horticultural crops, mixed with the most common pesticides and foliar fertilizers.
There are two products in the **NEW-COMPLET** range; one specifically formulated for tomatoes, the other for artichokes.
NEW-COMPLET can be used both as a foliar application and in fertigation systems.

COMPOSITION

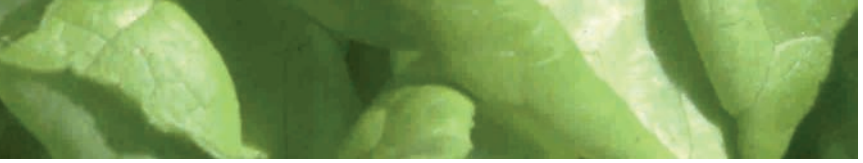
Total Nitrogen (N)	**16%**
Nitric Nitrogen (N)	**2%**
Ureic Nitrogen (N)	**14%**
Potassium Oxide (K_2O) water soluble	**8%**
Magnesium Oxide (MgO) water soluble	**4%**
Boron (B) water soluble	**2%**
Copper (Cu) water soluble	**1%**
Iron (Fe) EDTA chelated	**1%**
Manganese (Mn) water soluble	**2%**
Molybdenum (Mo) water soluble	**0,2%**
Zinc (Zn) water soluble	**2%**
Biuret content	

Bags
Kg. 1

DOSAGE AND USAGE PROCEDURES

Tomato	200-250 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Artichoke	300-500 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Other vegetables	150-200 g/Hl (foliar) 5-10 Kg/Ha (fertigation)

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



NU-MIX
spray

NITROGEN FERTILIZER WITH MAGNESIUM AND MICRONUTRIENTS

NU-MIX SPRAY is a foliar fertilizer made from highly pure raw materials. This product contains Ureic Nitrogen with low amounts of biuret allowing repeated usage on all crops even in periods of vegetative stress. The substantial levels of Magnesium, Zinc and Manganese as chelates completes the nutritional picture. Moreover the formulation includes a complex of vegetable extracts that facilitates intake of all the nutrients.
NU-MIX SPRAY can be used both as a foliar application and in fertigation systems.

COMPOSITION

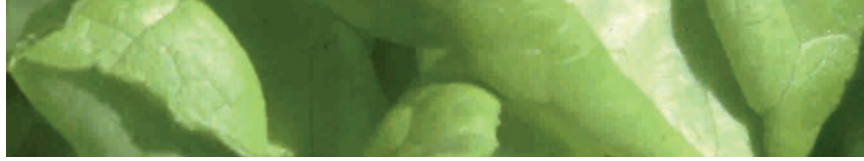
Total Nitrogen (N)	**18%**
Nitric Nitrogen (N)	**1%**
Ureic Nitrogen (N)	**17%**
Potassium Oxide (K_2O) water soluble	**5%**
Magnesium Oxide (MgO) water soluble	**4%**
Manganese (Mn) water soluble	**4%**
Zinc (Zn) water soluble	**4%**
Iron (Fe) EDTA chelated water soluble	**2%**
Biuret content less than	**0,2%**

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit	300-500 g/Hl
Grapes	300 g/Hl
Greenhouse vegetables	300 g/Hl
Field vegetables	300-500 g/Hl
Floriculture	200-300 g/Hl

Bags
Kg. 1-2,5-5

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



NU-ZIM®
soluble

FOLIAR FERTILIZER IN SOLUBLE POWDER FORM CONTAINING NITROGEN, POTASSIUM, MAGNESIUM, ZINC AND MANGANESE

NU-ZIM is a foliar fertilizer made from highly pure raw materials allowing repeated treatments even at high dosage rates. The significant quantity of Ureic Nitrogen provides a plentiful supply of this vital element directly from the leaves in those periods when root intake is reduced. The low biuret content (less than 0.2%) allows repeated, problem free use of the product. The potassium supply is useful in the breathing and transpiration processes regulating the opening and closing of the leaf stomata. Magnesium, Zinc and Manganese (the micronutrients most usually deficient in crops) complete the nutritional picture.
NU-ZIM can be used both as a foliar application and in fertigation systems.

COMPOSITION

Total Nitrogen (N)	**25%**
Nitric Nitrogen (N)	**1,5%**
Ureic Nitrogen (N) from low biuret Urea	**23,5%**
Potassium Oxide (K_2O) water soluble	**5%**
Magnesium Oxide (MgO) water soluble	**2%**
Manganese (Mn) water soluble	**4,5%**
Zinc (Zn) water soluble	**4,5%**
pH 0,1%	**4,16**
Electric Conductivity (0,1% at 25° C, mS/cm)	**0,89**
Solubility at 25°C (g/l H_2O)	**800**

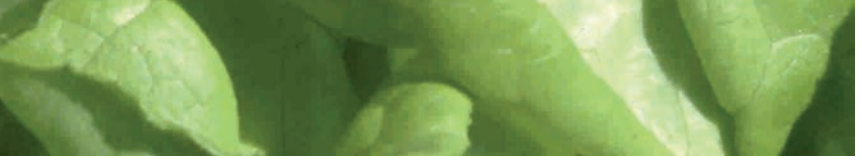
DOSAGE AND USAGE PROCEDURES

Citrus - Olive	750 g/Hl
Top Fruit - Grapes	300-400 g/Hl
Field and Greenhouse vegetables	250-300 g/Hl


Bags
Kg. 10


Bags
Kg. 1,5

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



PHOS-PHYTO®
FOSFORT 30-20®

LIQUID FERTILIZERS BASED ON POTASSIUM PHOSPHITE

Foliar fertilizers with a high content of phosphorus in phosphite form. This particular chemical form of the phosphorus helps the plant to produce a greater quantity of natural defence substances (phyto-alexins). In this way, crops are more resistant to nutrient imbalances caused by climatic stress and pathogens. The products are suitable for the treatment of various crops during the growth phase of the plant, or at flowering, fruiting and ripening. The high content of Phosphorus, Potassium and micronutrients favours conduction of nutrient to the storage organs (fruits, seeds, roots). Conversion to starches and sugars improves the taste and texture of the crop and helps to reduce transit damage. **PHOSPHYTO**, in addition, brings low biuret ureic nitrogen supply allowing foliar nutrition with repeated, problem free, use of the product.

DOSAGE AND USAGE PROCEDURES

Citrus	200-300 g/Hl
Top Fruit - Grapes	250-300 g/Hl
Strawberry	250 g/Hl
Vegetables Ornamental Crops	200-250 g/Hl

COMPOSITION

	PHOS PHYTO	FOSFORT 30-20
Total Ureic Nitrogen (N)	3%	-
Phosphate (P_2O_5) water soluble	27%	30%
Potassium Oxide (K_2O) water soluble	18%	20%
Boron (B) water soluble	0,01%	0,01%
Copper (Cu) EDTA chelated	0,02%	0,02%
Iron (Fe) EDTA chelated	0,02%	0,02%
Manganese (Mn) EDTA chelated	0,01%	0,01%
Molybdenum (Mo) water soluble	0,001%	0,001%
Zinc (Zn) EDTA chelated	0,01%	0,01%

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The best results are obtained with applications made during active vegetative growth but not when drought condit ions are present. DO NOT MIX WITH OTHER PRODUCTS.
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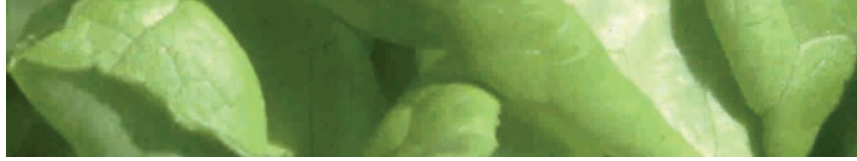


PHOS-PHYTO Ca
PHOS-PHYTO Zn

LIQUID NP FERTILIZERS CONTAINING CALCIUM AND ZINC

COMPOSITION

	PHOS PHYTO Ca	PHOS PHYTO Zn
Total Nitric Nitrogen (N)	3%	3%
Phosphate (P_2O_5) water soluble	12%	30%
Calcium Oxide (CaO) water soluble	6%	-
Zinc (Zn) water soluble	-	5%

DOSAGE AND USAGE PROCEDURES

	PHOS-PHYTO Ca	PHOS-PHYTO Zn
Citrus - Grapes Vegetables	250 g/Hl (foliar)	100 g/Hl (foliar)
Ornamental Plants	200 g/Hl (foliar)	5-10 g/mq (foliar)
Arboreal Crops	50-100 g per plant or 20-40 Kg/Ha (fertigation)	
Vegetables	0,5-1 Kg per 1000 mt (fertigation)	

It has been shown that the supply of phosphorous ions in plants is linked with the presence of phytoalexins, substances that strengthen the crop's natural defences against external threats. The mix of ingredients favours the conduction of nutrients to the storage organs of the plant (fruits, seeds, roots). The enhanced conversion to starches and sugars improves the taste, colour and texture of the crop and helps to reduce transit damage.

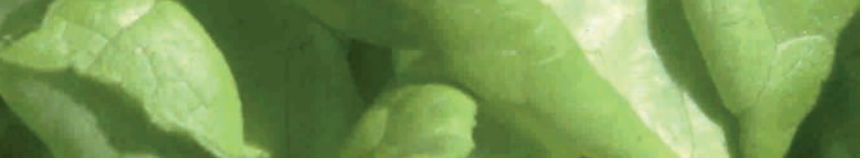
PHOSPHYTO CA, whatever the method of application, is readily absorbed and systemic, being carried both up and down the plant increasing the amount of calcium inside the fruit.

PHOSPHYTO ZN prevents from all the problems caused by shortage of this important element (insufficient production and rooting, bad fruit coloration, dwarfism), moreover helps in fighting diseases caused by some specific pathogens (Mycosphaerella spp. and Septoria spp.).

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The best results are obtained with applications made during active vegetative growth but not when drought conditions are present. DO NOT MIX WITH OTHER PRODUCTS.



PHOS-PHYTO Cu

LIQUID NP FERTILIZER CONTAINING COPPER

PHOS-PHYTO CU is a foliar fertilizer containing Copper, Nitrogen and Phosphorous. It is particularly recommended for treating the plants during the phases of growth and ripening. The product's mix of ingredients favours the conduction of nutrients to the storage organs of the plant (fruits, seeds, roots). The enhanced conversion to starches and sugars improves the taste, colour and texture of the crop and helps to reduce transit damage. The particular chemical form of the Phosphorus helps the plant to produce a greater quantity of natural defence substances becoming more resistant to nutrient imbalances. The high content in Copper prevents and cures diseases caused by Phytophthora and Pythium. The product helps in fighting infections caused by some specific pathogens (Mycosphae-rella spp. and Septoria spp.).

COMPOSITION

Total Nitrogen (N).....4,4%
Nitric Nitrogen (N) 2,2%
Ammonium Nitrogen (N)....2,2%
Phosphate (P_2O_5).....14%
water soluble
Copper (Cu).....5%
water soluble

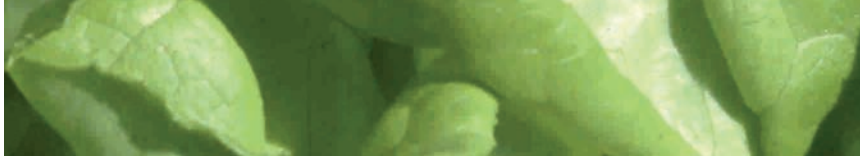
DOSAGE AND USAGE PROCEDURES

Citrus - Fruit trees Grapes - Strawberries	100-200 g/Hl (foliar)
Vegetables	100-150 g/Hl (foliar)
Ornamental Plants	5-10 g/mq (foliar)
Arboreal Crops	20-40 kg/Ha (fertigation)
Vegetables	0,5-1 Kg per 1000 mt (fertigation)

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



PHOS-PHYTO Fe

LIQUID PK FERTILIZER
CONTAINING IRON

A liquid foliar fertilizer containing Iron, Phosphorus and Potassium. It is particularly recommended for nourishing the plant during the phases of growth and ripening. The product's mix of ingredients favours the conduction of nutrients to the storage organs of the plant (fruits, seeds, roots). The enhanced conversion to starches and sugars improves the taste, colour and texture of the crop and helps to reduce transit damage. The phosphorus in the product aids the absorption of the Fe++ into the plant via the leaf stomata. This property makes **PHOS-PHYTO FE** an ideal remedy for prevention and cure of iron chlorosis.

COMPOSITION

Phosphate (P_2O_5).....20%
water soluble
Potassium Oxide (K_2O).....18%
water soluble
Iron (Fe) water soluble.....3%

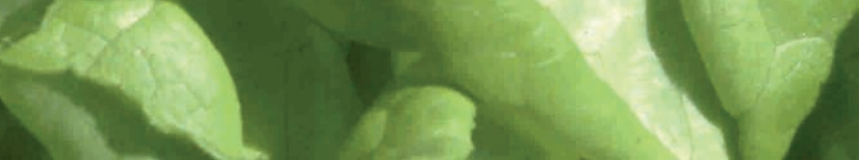
DOSAGE AND USAGE PROCEDURES

Citrus - Grapes Vegetables	100-150 g/Hl (foliar)
Ornamental Plants	5-10 g/mq (foliar)
Arboreal Crops	50-100 g per plant or 20-40 kg/Ha (fertigation)
Grapes	25-50 Kg/Ha (fertigation)
Vegetables	0,5-1 Kg per 1000 mt (fertigation)


Bottles
Kg. 1


Tanks
Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The best results are obtained with applications made during active vegetative growth but not when drought conditions are present. DO NOT MIX WITH OTHER PRODUCTS.



PHOS-PHYTO Mg

LIQUID NP FERTILIZER CONTAINING MAGNESIUM

PHOS-PHYTO MG is a foliar fertilizer containing Magnesium, Nitrogen and Phosphorous. Thank to its high content of Phosphorous in phosphite form the product helps the plant to produce a greater quantity of natural defence substances (Phytoalexins) that strengthen the crops aganist external threats. Whatever the method of application, the product is readily absorbed and systemic, being carried both up and down the plant. The high content of Magnesium, essential element for vegetative growth, promotes photosynthesis, Magnesium ions are located inside the structure of the chlorophyll molecule and allow the largest employment of solar energy for photosynthesis activation.

COMPOSITION

Total Nitrogen (N).....3%
Ureic Nitrogen (N).....3%
Phosphate (P_2O_5).....28%
water soluble
Magnesium (MgO).....6%
water soluble

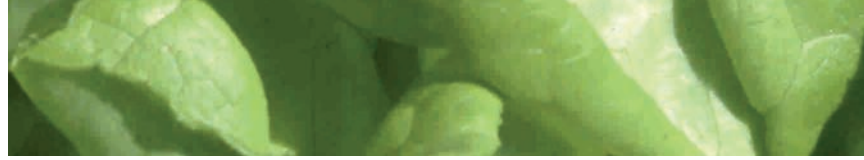
DOSAGE AND USAGE PROCEDURES

Citrus - Fruit trees Grapes - Vegetables	200-250 g/Hl (foliar)
Ornamental	200 g/Hl (foliar)
Tree Crops	20-40 kg/Ha (fertigation)
Vegetables	0,5-1 Kg per 1000 mt (fertigation)

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



SEAGROWING®

ORGANIC FERTILIZER WITH WATER-SOLUBLE EXTRACT FROM BROWN ALGAE (ASCOPHILLUM NODOSUM)

SEAGROWING is a natural product composed of organic substances extracted through a physico-mechanical process from brown algae (Ascophyllum Nodosum). This method preserves the activity of natural constituents such as micronutrients, enzymes, vitamins and growth stimulators. **SEAGROWING** stimulates enzymatic processes acting as natural catalyst to promote balanced growth enabling the crop to fulfil its genetic potential. **SEAGROWING** is rapidly absorbed by foliar surfaces and moves into the cells increasing metabolic activity. **SEAGROWING** can be used both as a foliar application and in fertigation systems.

COMPOSITION

Potassium Oxide (K_2O)	19%
Organic Nitrogen (N)	1%
Betaine	0,1%
Mannitol	4%
Organic Carbon (C)	20%

DOSAGE AND USAGE PROCEDURES

Citrus Top Fruit	150 g/Hl (foliar) 5 Kg/Ha (fertigation)
Grapes	100 g/Hl (foliar) 5 Kg/Ha (fertigation)
Field and Greenhouse vegetables	100 g/Hl (foliar) 5 Kg/Ha (fertigation)
Floriculture	100 g/Hl (foliar) 5 Kg/Ha (fertigation)

Bags
Kg. 1

According to the DPR 26.10.1972, n 633, for **SEAGROWING** has to be applied a 10% VAT.

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. 5-6 application are advised during the whole vegetative cycle. IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

SPRAY-FEED®
with micronutrients

FOLIAR FERTILIZER IN SOLUBLE POWDER FORM CONTAINING NITROGEN, PHOSPHORUS, POTASSIUM AND CHELATED MICRONUTRIENTS

SPRAY-FEED is a formulation particularly suitable for application during phases of vegetative recovery and fruit growth as well as in the prevention and cure of micro-nutrient deficiencies or whenever an immediate Nitrogen, Phosphorous or Potassium supply is required. The particular product formulation, with low-biuret Ureic Nitrogen and EDTA chelated micronutrients, provides a complete nutritional package and rapid assimilation.
SPRAY-FEED can be used both as a foliar application and in fertigation systems.

DOSAGE AND USAGE PROCEDURES

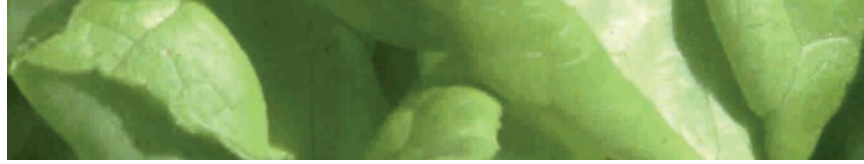
Citrus - Top Fruit - Olive	200-300 g/Hl
Grapes	250-300 g/Hl
Field and Greenhouse vegetable	200-300 g/Hl

COMPOSITION

SPRAY-FEED	20.20.20	30.10.10	6.40.30
Total Nitrogen (N)	20	30	6
Nitric Nitrogen (N)	5,7	2,8	4,6
Ammonium Nitrogen (N)	3,9	4,0	1,4
Ureic Nitrogen (N)	10,4	23,2	-
Phosphate (P_2O_5) water soluble	20	10	40
Potassium Oxide (K_2O) water soluble	20	10	30
Boron (B) water soluble	0,02	0,02	0,02
Copper (Cu) EDTA chelated	0,02	0,02	0,02
Iron (Fe) EDTA chelated	0,05	0,05	0,05
Manganese (Mn) EDTA chelated	0,03	0,03	0,03
Molybdenum (Mo) water soluble	0,01	0,01	0,01
Zinc (Zn) EDTA chelated	0,01	0,01	0,01
Chelate stability pH range			4,0-9,0

Bags
Kg. 1-2,5-5

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



STIMOLEAF
BIOSTIMULANT
ORGANIC FLUID FERTILIZER

STIMOLEAF is a natural bio-stimulant high in amino-acid content derived from the hydrolysis of animal proteins. **STIMOLEAF** is formulated to increase vegetative growth, especially applicable after unfavorable climatic conditions (frosts, strong winds, hail, etc.)

COMPOSITION

Organic Nitrogen (N) water soluble	8,20%
Organic Carbon (C)	24,65%
C/N Ratio	2,7
Average molecular weight	1500 dalton
Glycine Ratio (Proline + Hydroxyproline)	1,1
Hydrolysis on dry matter	>330
Free Aminoacids	>10%

DOSAGE AND USAGE PROCEDURES

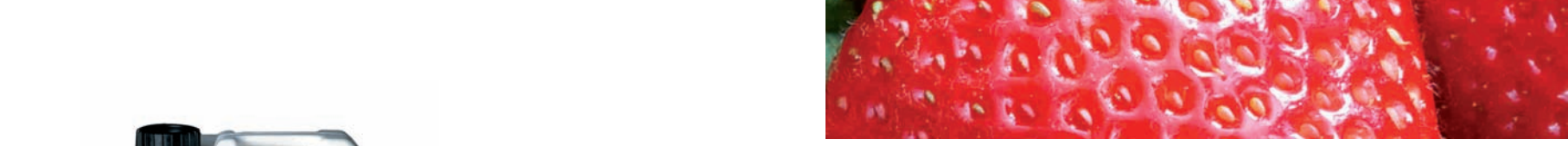
Citrus - Fruit trees Grapes	300 g/Hl (foliar) 10 Kg/Ha (fertigation)
Open Field vegetables	250 g/Hl (foliar) 10 Kg/Ha (fertigation)
Greenhouse vegetables Floriculture	300 g/Hl (foliar) 10 Kg/Ha (fertigation)


Bottles
Kg. 1


Tanks
Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

CORRECTIVE-MICRONUTRIENTS



ACTIVATORS
BASED ON THIOSULPHATE

LIQUID FERTILIZERS FOR FERTIGATION CONTAINING NITROGEN, POTASSIUM AND SULPHUR AS THIOSULPHATE ION

These products are unusual in that they contain Sulphur as the thiosulphate ion. This ion has a strong reducing activity towards all the microelements and in particular Iron and Manganese. Microelements, already contained in the soil or supplied through specific treat-ments, are quickly oxidised becoming unavai-lable to the root system. Treatments with thiosulphates can reduce metal oxides making them available for the crop. Tests carried out show that after treatment symptoms of iron chlorosis have been overcome. Ferric ions (Fe3+) are present in the soil but unavailable to the plant: treatment with thiosulphate ion reduces the iron to ferrous ions (Fe2+) which are readily absorbed by the crop. **ACTIVATORS** are available in two different formulations: Ammonium Thiosulphate and Potassium Thiosulphate.

COMPOSITION

ACTIVATORS	A.T.S.	K.T.S.
Total Nitrogen (N)	12	-
Ammonium Nitrogen (N)	12	-
Potassium (K_2O) water soluble	-	25
Sulphuric Trioxide (SO_3) water soluble	65	42

DOSAGE AND USAGE PROCEDURES (fertigation)

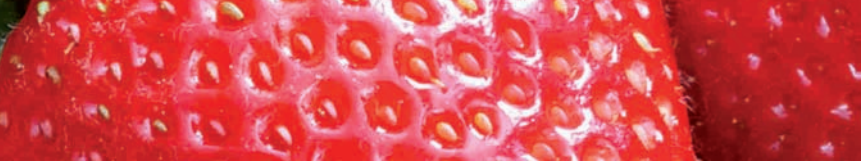
Citrus	150-200 Kg/Ha
Top Fruit	100-200 Kg/Ha
Grapes	100-150 Kg/Ha
Field and Greenhouse vegetables	50-100 Kg/Ha
Floriculture	30-50 Kg/Ha


IBC's Kg. 1300


Drums Kg. 250


Tanks Kg. 30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



AZOLFO®
17+46

LIQUID FERTILIZER FOR FERTIGATION
CONTAINING READILY AVAILABLE NITROGEN
(IN ITS THREE FORMS) AND SULPHUR

In the majority of fertilizers Sulphur is often contained as Sulphate an effective but easily leached form, giving an intense but short lasting effect. **AZOLFO 17.46** however, contains Sulphur as S2O32- in which two Sulphur atoms are combined with three oxygen atoms. In the soil the S2O32- ion is transformed into sulphate ions (SO42-), readily available to the plant, and elemental Sulphur (S), which is absorbed more slowly and resists leaching.
The high "reducing" power of this product allows intake of those nutrients "locked up" in the soil in their oxidized form. The acidification induced during the transformation reactions allows utilization of nutrients made unavailable by calcareous soils.
Another important benefit of using **AZOLFO 17.46** is the reduction of nitrogen losses from the soil. Used in combination with other nitro-gen fertilizers it acts as both urease enzyme and nitrification inhibitor, reducing nitrate leaching and ammonia volatilisation and allows a gradual intake of the Nitrogen present(*).
The fungistatic effect of Sulphur makes **AZOLFO 17.46** a formulation which gives healthier, better nourished crops.

(*) As indicated in the Final Report of the Contract no AIR-CT94-1953 in which are shown the results obtained in the research project on S2O32- carried out by various European Institutes.

COMPOSITION

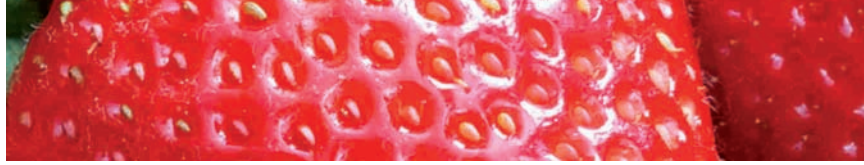
Total Nitrogen (N).....17%
Nitric Nitrogen (N) 2,0%
Ammonium Nitrogen (N)..10,5%
Ureic Nitrogen (N).....4,5%
Sulphuric Trioxide (SO_3).....46%
water soluble

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus	150-200 Kg/Ha
Top Fruit	100-200 Kg/Ha
Grapes	100-150 Kg/Ha
Field and Greenhouse vegetables	50-100 Kg/Ha
Floriculture	30-50 Kg/Ha

IBC's Kg. 1250 | Drums Kg. 250 | Tanks Kg. 30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS. Foliar applications to be avoided. If mixed with other liquid or powder fertilizers it's advisable testing miscibility first. Do not mix with herbicides, insecticides and fungicides. Avoid direct eye and skin contact.



CALCIO
Liquido

LIQUID FERTILIZER WITH
READILY AVAILABLE CALCIUM

CALCIO LIQUIDO contains bivalent Calcium easily absorbed by the root system and hence suitable for fertigation. In general Calcium shortage appears as visible foliar depigmentation and curling and bending of the leaf blades, especially in younger leaves. Within the plant Calcium performs important functions such as organic acid neutralization, cell wall strengthening and regulation of Nitrogen and Iron absorption.
Calcium shortage leads to decalcification and softening of the cells walls.

COMPOSITION

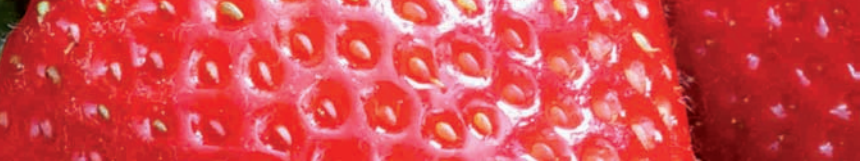
Calcium Oxide (CaO).....13%
water soluble
Magnesium Oxide (MgO).....2%
water soluble

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes	200 g/Hl (foliar) 50-100 Kg/Ha (fertigation)
Field and Greenhouse vegetables Floriculture	200 g/Hl (foliar) 25-50 Kg/Ha (fertigation)

IBC's Kg. 1250 | Drums Kg. 250 | Tanks Kg. 30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plan ts before extending to the whole area. DO NOT MIX WITH FERTILIZERS CONTAINING PHOSPHOROUS, SULPHATES AND WITH OUR POTASSIO-25 AND KALIPLUS-30.



CUPROAMIN
FMZ

ORGANIC FERTILIZER WITH A HIGH CONTENT OF COPPER AND MICRONUTRIENTS

CUPROAMIN FMZ is a liquid organic fertilizer obtained as a by-product of leather tanning, containing Copper, chelated Iron, Manganese and Zinc. The process extracts from the organic matter amino acids and low molecular weight peptides. Thanks to the action of the organic matter, **CUPROAMIN FMZ** supplied in fertigation stimulates growth using the effect of natural enzymes. The high content of Copper favours, as a collateral effect, a bactericide and fungicide action protecting the root system.

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit	40-100 Kg/Ha
Grapes	40-100 Kg/Ha
Melon and Cucumber	30-60 Kg/Ha
Artichoke - Strawberry	40-100 Kg/Ha
Field and Greenhouse vegetables	30-60 Kg/Ha
Ornamental plants and Floriculture	20-40 Kg/Ha

COMPOSITION

Organic Nitrogen (N) 3%
Organic Nitrogen (N) 3%
water soluble
Biological Organic Carbon (C) 10%
Copper (Cu) water soluble 4%
Iron (Fe) EDTA water soluble 0,5%
Manganese (Mn) water soluble 0,5%
Zinc (Zn) water soluble 0,55


IBC's
Kg. 1250


Drums
Kg. 250


Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.

FERRO FORTE MAXIRON EXTRAIRON

EDDHA CHELATE IRON MICRO-GRANULES

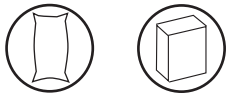
Soluble microgranular formulation of Iron chelated with EDDHA, ethylendiamino-di (o-hydroxyphenylacetic) acid. The main characteristic of this product is the presence of the stable ortho-ortho form of the EDDHA chelating agent. Iron chelated with this isomer, once distributed in the soil, is released to the plant even in the case of soils with high pH values becoming essential for the treatment of iron chlorosis, especially in calcareous soils where iron salts are precipitated and locked in the soil, unavailable to the plant.
Products applications are suggested all the times that the plants show symptoms of yellowing between the “veins” of the leaves, especially noticeable in young shoots.
Because of this capacity to improve photosynthesis, the chelated iron promotes blooming and better fruit development.

COMPOSITION

Chelated Iron (Fe) 6%
water soluble
(MAXIRON) Ortho-Ortho EDDHA min. ...4,8%
(EXTRAIRON) Ortho-Ortho EDDHA min. 4,2%
(FERROFORTE)
Ortho-Ortho EDDHA min. 3,6%
Chelating agent: EDDHA
Chelate stability pH range 3-11

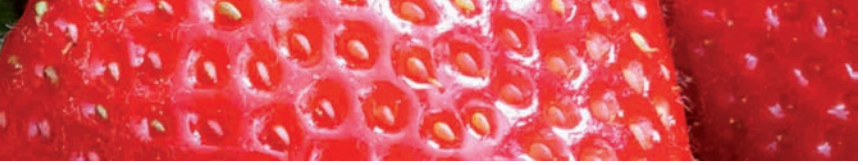
DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Olive	20-50 g/plant (preventive) 50-100 g/plant (curative)
Grapes	20-30 g/plant (preventive) 30-75 g/plant (curative)
Strawberry - Turf Vegetable crops	1-2 Kg/1000 mt



Bags Kg. 1-2,5-5 Carton case Kg. 1

Dosage always depends on different factors (plant’s age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



HUMOSTIM®

NATURAL LIQUID CONDITIONER WITH HUMIC ACIDS EXTRACTED FROM AMERICAN LEONARDITE

HUMOSTIM is a liquid organic plant tonic based on humic acids; highly active organic compounds extracted from natural fossils. These colloidal formulations maximise the availability of nutrients whether applied directly to the crop or already present in the soil. **HUMOSTIM** increases the activity of growth promoting factors. It is also beneficial as a seed treatment and on seedling root systems prior to transplantation. Applied as a foliar treatment, it enhances the translocation of nutrients throughout the plant by increasing cell wall permeability. Applied as a seed dressing, **HUMOSTIM** improves germination rates.

COMPOSITION

Organic Matter ...16% w/w (17,6% p/v)
Organic Matter dry based .....70% w/w (77% p/v)
Humic Organic Matter.....93%
Organic Nitrogen (N) .....1,2% w/w (1,3% p/v)
C/N Ratio 32

DOSAGE AND USAGE PROCEDURES

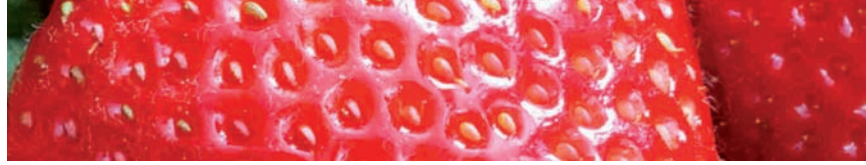
Soil - Before sowing or transplanting	40-60 Kg/Ha
Fertigation	6-12 Kg/Ha
Transplanting: sink for several minutes in a solution containing 500 g/Hl of product	
Foliar	100-150 g/Hl


IBC's Kg. 1250


Drums Kg. 250


Tanks Kg. 5-10-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements.



MICROCLEAN

OXIDIZING CLEANING FORMULATION
FOR WATER BASINS AND IRRIGATION SYSTEMS

Thank to its strong oxidizing action, **MICROCLEAN** is particularly indicated to prevent and fight mucilage development in water basins and tank. It also has a strong disinfectant action against bacteria and mildews removing bad smells in backwaters. **MICROCLEAN** can be employed for cleaning irrigation systems and to prevent nozzles blockage.

USAGE PROCEDURES

Apply MICROCLEAN by using measuring pumps with EPDM rubber membranes (NBR rubber membranes to be avoided). Acid sprayers can be used and for product concentrations below 5% also fertigation pumps can be used.

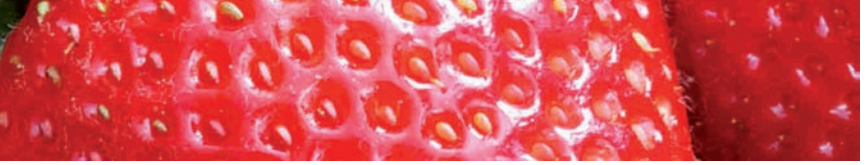
PREVENTION AND MAINTENANCE

Fertigation system cleaning	60-100 cc/mc
Weed development in basins, ponds, paddies	20-50 cc/mc
High weed concentration in ponds	150-250 cc/mc
Weed development in soilless crops	20-40 cc/mc
Soil disinfection	300-400 cc/mc

Bottles
Kg. 1

Tanks
Kg. 6

DO NOT MIX WITH ACID PRODUCTS. DO NOT MIX OILS AND OTHER FERTILIZERS OR AGROCHEMICALS.



MICROMAG L

LIQUID FERTILIZER WITH MAGNESIUM NITRATE AND CHELATED MICRONUTRIENTS

MICROMAG L is specifically formulated to prevent and cure deficiencies of Magnesium and micronutrients. The ratios between the elements contained in **MICROMAG L** are designed to satisfy the nutritional needs of various high-value crops. The product can be used both as a foliar application and in fertigation systems with localized supplies in the soil. **MICROMAG L** is recommended for the cure of growth problems, dwarfism, yellowing and leaf-spot in crops weakened by climatic or other stresses.

COMPOSITION

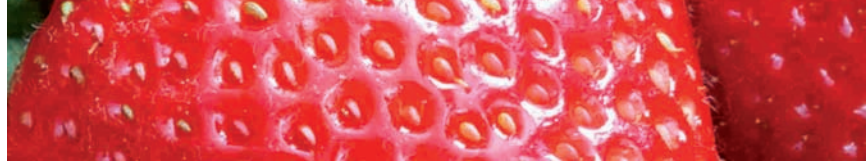
Total Nitric Nitrogen (N) 6%
Magnesium Oxide (MgO) 9%
water soluble
Boron (B) water soluble.....0,2%
Copper (Cu) EDTA chelated 0,1%
water soluble
Iron (Fe) EDTA chelated.....0,2%
water soluble
Manganese (Mn) EDTA chelated.....0,1%
water soluble
Molybdenum (Mo).....0,02%
water soluble
Zinc (Zn) EDTA chelated 0,1%
water soluble

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes	300 g/Hl (foliar) from vegetative restart onwards 10-30 Kg/Ha (fertigation)
Field and Greenhouse vegetables	150-300 g/Hl (foliar) every 15-20 days 1-2 Kg/1000 m^2 (fertigation)
Pomaceae	300 g/Hl (foliar) evrey 15-20 days after fruit appearance 10-20 Kg/Ha (fertigation)
Floriculture	150 g/Hl (foliar) 1-3 Kg/1000 sq.m (fertigation)

Tanks
Kg. 6-12-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.



PK-TS

LIQUID PK FERTILIZER WITH HIGH SULPHUR CONTENT

PK-TS with its high content in Sulphur and Potassium is particularly suitable for achieving a good fruits ripening. **PK-TS** improves colour and texture of the fruits that become well pigmented and more resistant to transit damages keeping a good storability. Sulphur, contained as S2O3, ensures a full nourishment (SO4 readily available to the plant, and S, elemental sulphur, absorbed more slowly and leaching resistant) and induces chemical reactions of reduction for those nutrients "locked up" in the soil in their oxidized form. The fungistatic effect of sulphur makes **PK-TS** a formulation which gives healthier, better nourished crops.

COMPOSITION

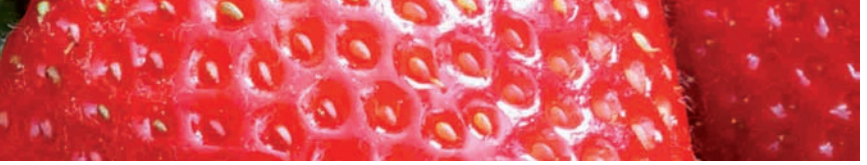
Phosphate (P_2O_5) 5%
water soluble
Potassium Oxide (K_2O) 25%
water soluble
Sulphur Trioxide (SO_3) 30%
water soluble

DOSAGE AND USAGE PROCEDURES (fertigation)

Grapes	100 Kg/Ha
Vegetables	80 Kg/Ha
Arboreal crops	150 Kg/Ha

Tanks
Kg. 30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.



REMOVESAL

SOIL CONDITIONER BASED ON CALCIUM AND MAGNESIUM COMPLEXED WITH LINGOSULPHONATE AND HYDROXY-CARBOXYLIC ACID

REMOVESAL is a formulated with Calcium and Magnesium complexed with lingosulphonate and organic acid. The use of **REMOVESAL** is fundamental in fighting soil and water salinity. By supplying complexed Calcium and Magnesium, **REMOVESAL** locks-up excess Sodium in the soil water, preventing deposits and destruction of the soil structure.

COMPOSITION

Calcium Oxide (CaO).....12,8%
water soluble
Magnesium Oxide (MgO).....1%
water soluble
Complexing agent: Lingosulphonate
Acidified with Hydroxy-Carboxylic acid

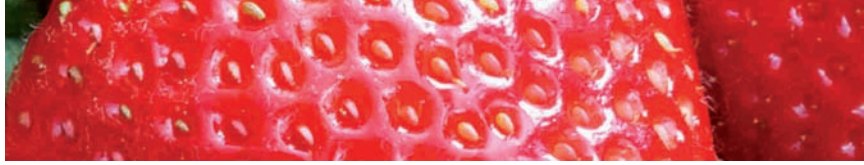
DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit - Grapes	20-50 Kg/Ha
Field and Greenhouse vegetables	20-50 Kg/Ha
Floriculture	25-50 Kg/Ha
According to water characteristics:	
Slightly salty (1,5 g/l)	15-25 cc/m^3
Salty (1,5-2,5 g/l)	35 cc/m^3
Very salty (>2,5 g/l)	60 cc/m^3

Drums
Kg. 250

Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.



SWEETON

LIQUID NK FERTILIZER CONTAINING CALCIUM AND MAGNESIUM

Specifically formulated to aid the movement of nutrients throughout the plant. The formulation provides for the simultaneous intake of Potassium, Calcium and Magnesium, promoting early ripening and an increase in sugar content.
Use of this product stimulates more rapid fruit coloration and more uniform vegetative growth.

COMPOSITION

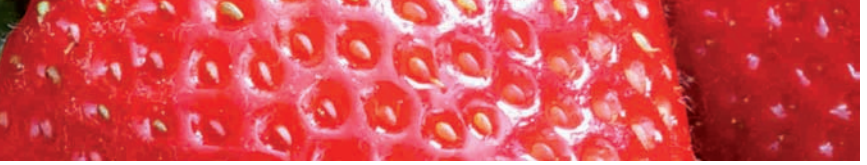
Total Nitric Nitrogen (N).....3%
Potassium Oxide (K_2O).....6%
water soluble
Magnesium Oxide (MgO).....1%
water soluble
Calcium Oxide (CaO).....6%
water soluble

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Fruit trees	30-60 Kg/Ha
Grapes	50-100 Kg/Ha
Open Field vegetables	50-100 Kg/Ha
Greenhouse vegetables	30-60 Kg/Ha

Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH FERTILIZERS CONTAINING PHOSPHOROUS.



VIRACID

LIQUID NP ACIDIFYING FERTILIZER WITH pH INDICATOR

Formulation with acidifying action. The product is to be used as pH corrective for hard waters employed for foliar nutrition and for agro-chemicals applications. **VIRACID** improves nutrients absorption and efficacy of the active ingredients that in alkaline waters are considerably reduced. Adding **VIRACID** to the irrigation water brings to a drop of the pH to an optimal level and, colouring the solution differently as per its pH value, allows identification of the exact suitable dosage. In fact, in the beginning the solution becomes yellow, meaning that the pH is still too high; continuing with adding the product the pH reached is about 6, at this value the solution becomes red.
The acidifying action of **VIRACID** ensures that irrigation systems are kept free of Calcium deposits. Pipes and nozzles remain clean and blockage-free.
VIRACID can be applied also to provide high nutrition in Phosphorus and Nitrogen both in fertigation and in foliar application.

DOSAGE AND USAGE PROCEDURES (fertigation)

FERTILIZATION	Foliar	150-200 g/Hl
	Fertigation	2-3 Kg/Ha
ACIDIFICATION: the dosages depend on the hardness of the water employed. For waters at pH~8 the needed product quantity is indicatively 80 g/100 lt.		

COMPOSITION

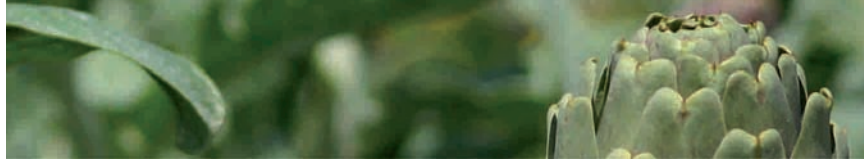
Total Nitrogen (N) 3%
Ureic Nitrogen (N) 3%
Phosphate (P_2O_5) 20%
water soluble

Bottles Kg. 1

Tanks Kg. 6

BRIGHT CROP NUTRITION


GRANULAR



COMBISLOW®

GRANULAR NP FERTILIZER WITH SLOW RELEASE NITROGEN

COMBISLOW 18.10.18+2MgO is a granular product that includes in its formulation mono-ammonium Phosphate and Potassium nitrate providing immediate availability of nutrients while a controlled release of Nitrogen comes from Methylene-Urea. The latter has good nutritional efficiency and a low salinity index. The slow release of Nitrogen encourages a balance between top-growth and root development.

COMPOSITION

Total Nitrogen (N)	**18%**
Ammonium Nitrogen (N)	**2%**
Ureic Nitrogen (N)	**16%**
Ureic Nitrogen (N) from Methylene-Urea	**6%**
Phosphate (P_2O_5) water soluble	**10%**
Potassium Oxide (K_2O) water soluble	**18%**
Magnesium Oxide (MgO) water soluble	**2%**
Sulphur Trioxide (SO_3) water soluble	**20%**

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes - Olive	600-800 Kg/Ha
Cereal	200-300 Kg/Ha
Field and Greenhouse vegetables	400-800 Kg/Ha

Bags
Kg. 25

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. Dosage depends on crops typology and fertilizer concentration.


ORGANIC

ALGAFLUID®

VEGETAL BIOSTIMULANT
FOR ORGANIC FARMING

ALGAFLUID, entirely obtained from vegetal constituents has a biostimulant action improving the plants growth especially in case of difficult climatic conditions. **ALGAFLUID** helps nutrients intake and it's promptly absorbed. It moves rapidly from the leaves surface to the cells increasing the metabolic activity of the plant.

COMPOSITION

Organic Nitrogen (N)	1%
Organic Carbon (C)	12%
Potassium Oxide (K_2O)	6%
Betaine	1%

DOSAGE AND USAGE PROCEDURES

FOLIAR APPLICATIONS	150-200 grams per 100 lt water
FERTIGATION	5-10 Kg/Ha

Bottles
Kg. 1

Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. DO NOT MIX WITH ACID PRODUCTS.

AMINOSLOW®

LIQUID ORGANO-MINERAL FERTILIZER WITH SLOW-RELEASE NITROGEN

Organo-mineral fertilizer with a high content of natural organic and synthesised (methylenurea) nitrogen. It allows useful nitrogen nutrition in all vegetative phases. The particular ratio between the various forms of nitrogen provides continuous nutrition for all crops. The presence of methylenurea (slow release nitrogen) and amino acids (the organic part of the product) gives this formulation unique nutritive characteristics whereby the Nitrogen is entirely and gradually available. This is especially beneficial during periods of maximum growth and in conditions of climatic stress.

COMPOSITION

Total Nitrogen (N)	**12%**
Ureic Nitrogen (N)	**6%**
Organic Nitrogen (N)	**6%**
Methylene-Urea Nitrogen (N)	**4%**
Biological Organic Carbon (C)	**25%**

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit	150 g/Hl (foliar) 20-40 Kg/Ha (fertigation)
Grapes	100 g/Hl (foliar) 30-50 Kg/Ha (fertigation)
Field and Greenhouse vegetables	100 g/Hl (foliar) 30 Kg/Ha (fertigation)
Floriculture	100 g/Hl (foliar) 30 Kg/Ha (fertigation)

Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

AMINOSPRAY®

ORGANIC LIQUID FERTILIZER WITH AMINO-ACIDS FROM ENZYMATIC HYDROLYSIS

A latest generation organic fertilizer made of low molecular weight amino acids, peptides and peptones formulated for repeated foliar treatments to all crops, horticultural and arboreal. The amino acids contained are indispensable for the crop's life, not only as nutrients but also as catalysts of enzymatic activities essential for plant metabolism. Proteins are a vital constituent of animal and plant life; in the latter being indispensable for vegetative growth, flowering and fruit forma-tion. Starting with Nitrogen, water and air pho-tochemical processes convert these raw materials initially into amino acids; subsequently peptides and proteins are formed. This requires time and significant use of the crop's energy intake. **AMINOSPRAY**, supplying readily absor-bed peptides and peptones accelerates protein formation and increases the productive capacity of the treated crops. Nutrient penetration into the tissues is also enhanced reducing stress due to climatic factors and/or pesticide treatments.
The product can be used both as a foliar application and in fertigation systems.

COMPOSITION

Total Nitrogen (N).....9%
Organic Nitrogen (N).....9%
Biological Organic Carbon (C).....25%

AMINOGRAM (gr/100 gr di amino acid)

Aspartic Acid.....5,70
Glutamic Acid.....10,42
Alanine.....8,93
Arginine.....5,95
Cysteine.....0,37
Phenylalanine.....2,48
Glycine.....25,31
Hydroxyproline 8,18
Isoleucine.....1,48
Istidine.....1,24
Leucine 3,72
Lysine 4,46
Methionine.....0,74
Proline 13,97
Serine.....1,73
Tyrosine.....1,48
Threonine 0,99
Tryptophan 0,37
Valine.....2,48

Bottles Kg. 1

Tanks Kg. 6-30

DOSAGE AND USAGE PROCEDURES

Top Fruit - Grapes - Olive	300 g/Hl
Floriculture and Greenhouse vegetables	300 g/Hl
Field vegetables	250 g/Hl
Cereal	4-5 Kg/Ha

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

BIOCAL

CALCIUM BASED LIQUID FERTILIZER

BIOCAL is formulated to ensure a high nutrition in calcium coformulated with proteininc extracts helping the crops to develop their natural defence system. The plants are more resistant and promptly overcome all the types of stress. The high content in calcium improves the colour and texture of the fruits increasing production yields.

COMPOSITION

Calcium Oxide (CaO).....12%
water soluble
coformulated with proteininc extracts

DOSAGE AND USAGE PROCEDURES

Fruit trees Vegetables	150-200 g/100 lt water (foliar)

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. DO NOT MIX WITH FERTILIZERS CONTAINING PHOSPHOROUS.

BOROFLUID

LIQUID FERTILIZER CONTAINING BORON AS ETHANOLAMINE SALT

BOROFLUID is formulated to prevent and cure Boron shortages caused by imbalances and deficiencies in the assimilation of this element. Boron is essential for the crop's development and deficiency leads to decreased production, poor vegetative growth and loss of quality in the fruits. Boron moves poorly inside the crop and therefore has to be supplied as a preventative treatment.
BOROFLUID can be used both as a foliar application and in fertigation systems.

COMPOSITION

Boron (B) 11%
water soluble
(as ethanolamine salt)

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes	100 g/Hl (foliar) 10 Kg/Ha (fertigation)
Olive	100 g/Hl (foliar) 10 Kg/Ha (fertigation)
Field vegetables	50-100 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Floriculture	50-100 g/Hl (foliar) 5-10 Kg/Ha (fertigation)


Bottles
Kg. 1


Tanks
Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.

EMOFLUID®

LIQUID ORGANO-MINERAL FERTILIZER WITH NITROGEN FROM BLOOD MEAL AND METHYLENE UREA

EMOFLUID is a very active product intensifying the activity of the bacterial flora in the soil. This gives immediate effects on young roots, stimulating growth and nutrient intake potential. For these reasons it is recommended for the stimulation of seed germination and root development. The product is also particularly effective on vegetables and arboreal crops under climatic stress conditions due to various causes (sudden temperature change, damage caused by hail or other meteorological phenomena).

COMPOSITION

Total Nitrogen (N)	**17%**
Organic Nitrogen (N)	**2%**
Methylene Urea Nitrogen (N)	**15%**
Biological Organic Carbon (C)	**8%**

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus - Top Fruit	40-100 Kg/Ha
Grapes	80-160 Kg/Ha
Field and Greenhouse vegetable	50-100 Kg/Ha
Floriculture	50-100 Kg/Ha

Tanks
Kg. 6-30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements.

FERRO FORTE MAXIRON EXTRAIRON

EDDHA CHELATE IRON MICRO-GRANULES

Soluble microgranular formulation of Iron chelated with EDDHA, ethylendiamino-di (o-hydroxyphenylacetic) acid. The main characteristic of this product is the presence of the stable ortho-ortho form of the EDDHA chelating agent. Iron chelated with this isomer, once distributed in the soil, is released to the plant even in the case of soils with high pH values becoming essential for the treatment of iron chlorosis, especially in calcareous soils where iron salts are precipitated and locked in the soil, unavailable to the plant.
Products applications are suggested all the times that the plants show symptoms of yellowing between the “veins” of the leaves, especially noticeable in young shoots.
Because of this capacity to improve photosynthesis, the chelated iron promotes blooming and better fruit development.

COMPOSITION

Chelated Iron (Fe) 6%
water soluble
(MAXIRON) Ortho-Ortho EDDHA min. ...4,8%
(EXTRAIRON) Ortho-Ortho EDDHA min. 4,2%
(FERROFORTE)
Ortho-Ortho EDDHA min. 3,6%
Chelating agent: EDDHA
Chelate stability pH range 3-11

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Olive	20-50 g/plant (preventive) 50-100 g/plant (curative)
Grapes	20-30 g/plant (preventive) 30-75 g/plant (curative)
Strawberry - Turf Vegetable crops	1-2 Kg/1000 mt

Bags Kg. 1-2,5-5 Carton case Kg. 1

Dosage always depends on different factors (plant’s age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.

GLUCOMPOST MIX

LIQUID FOLIAR FERTILIZER WITH COMPLEXED MICRONUTRIENTS

GLUCOMPOST MIX is a liquid fertilizer designed to reduce nutrient deficiencies by inducing rapid absorption of the micronutrient content. Complexes with high molecular weight organic acid are, in fact, easily absorbed by the crop quickly transferring nutrients into the body of the plant.

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes	300 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Greenhouse vegetables	200 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Field vegetables	300 g/Hl (foliar) 5-10 Kg/Ha (fertigation)
Floriculture	200 g/Hl (foliar) 5-10 Kg/Ha (fertigation)

COMPOSITION

Boron (B) water soluble 1%
Iron (Fe) EDTA chelated 1%
water soluble
Manganese (Mn) EDTA chelated.....2%
water soluble
Molybdenum (Mo).....0,15%
water soluble
Zinc (Zn) EDTA chelated 1%
water soluble

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area.

HERGOTON®
PLUS

LIQUID FERTILIZER CONTAINING ORGANIC NITROGEN FROM EPITHELIUM

HERGOTON consists of low to medium molecular weight amino acids derived from the hydrolysis of animal proteins. These amino acids are rapidly and completely absorbed by the root system. **HERGOTON** cannot, therefore, be considered a traditional nitrogen fertilizer but as a natural and stable mixture of complex structures that represent the essential precursors for the construction of peptides, proteins and enzymes. Applying this product accelerates crop metabolism, supplying directly, in a readily available form, all those constituents that would otherwise need to be synthesised "afresh" from inorganic nitrogen. The effects obtained with root application are as follows:

- Increase in the activity of the soil microflora.
- Improvement in the availability of metallic ions thanks to the chelating action of amino acids.
- Anti-stress effect following meteorological or parasitic damage.
- Inducement to biological and biochemical functions which determine vegetative growth and increased harvest.
- Possibility of supplying organic nitrogen via fertigation.
- Increased root system development and activity.

COMPOSITION

Total Organic Nitrogen (N).....8%
Biological Organic Carbon (C).....27%

DOSAGE AND USAGE PROCEDURES (fertigation)

Citrus	40-100 Kg/Ha
Top Fruit - Grapes	50-100 Kg/Ha
Field and Greenhouse vegetables	30-60 Kg/Ha
Floriculture	20-40 Kg/Ha

IBC's Kg. 1200 | Drums Kg. 250 | Tanks Kg. 30

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

LEAFEED®

ORGANIC FERTILIZER WITH LOW MOLECULAR WEIGHT AMINO-ACIDS AND NATURAL AUXINS

LEAFEED is a natural organic fertilizer containing low molecular weight amino acids, vitamins and auxins easily absorbed by all crops both arboreal and herbaceous. Stimulates growth using the effect of natural enzymes. Particularly suitable in cases of stress due to excess heat or frost. Increases the absorption and efficiency of co-applied fertilizers. The composition of **LEAFEED** promotes stomatal opening thus improving foliar intake. **LEAFEED** can be used both as a foliar application and in fertigation systems.

DOSAGE AND USAGE PROCEDURES

Citrus - Top Fruit Grapes	250 g/Hl (foliar) 10 Kg/Ha (fertigation)
Greenhouse vegetables Floriculture	200 g/Hl (foliar) 10 Kg/Ha (fertigation)
Field vegetables	250 g/Hl (foliar) 10 Kg/Ha (fertigation)

IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED

Bottles Kg. 1

Tanks Kg. 6

COMPOSITION

Total Organic Nitrogen (N).....6%
Organic Nitrogen (N).....6%
water soluble
Biological Organic Carbon (C).....18%

AMINOGRAM (gr/100 gr di amino acid)

Aspartic Acid	6,20
Glutamic Acid	11,62
Alanine	9,50
Arginine	6,45
Cysteine	1,05
Phenylalanine	3,10
Glycine	25,90
Hydroxyproline	8,85
Isoleucine	2,05
Istidine	1,90
Leucine	4,20
Lysine	5,10
Methionine	1,05
Proline	14,03
Serine	2,00
Tyrosine	1,90
Threonine	1,20
Tryptophan	0,85
Valine	2,98

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

SEAGROWING®

ORGANIC FERTILIZER WITH WATER-SOLUBLE EXTRACT FROM BROWN ALGAE (ASCOPHILLUM NODOSUM)

SEAGROWING is a natural product composed of organic substances extracted through a physico-mechanical process from brown algae (Ascophyllum Nodosum). This method preserves the activity of natural constituents such as micronutrients, enzymes, vitamins and growth stimulators. **SEAGROWING** stimulates enzymatic processes acting as natural catalyst to promote balanced growth enabling the crop to fulfil its genetic potential. **SEAGROWING** is rapidly absorbed by foliar surfaces and moves into the cells increasing metabolic activity. **SEAGROWING** can be used both as a foliar application and in fertigation systems.

COMPOSITION

Potassium Oxide (K_2O)	19%
Organic Nitrogen (N)	1%
Betaine	0,1%
Mannitol	4%
Organic Carbon (C)	20%

DOSAGE AND USAGE PROCEDURES

Citrus Top Fruit	150 g/Hl (foliar) 5 Kg/Ha (fertigation)
Grapes	100 g/Hl (foliar) 5 Kg/Ha (fertigation)
Field and Greenhouse vegetables	100 g/Hl (foliar) 5 Kg/Ha (fertigation)
Floriculture	100 g/Hl (foliar) 5 Kg/Ha (fertigation)

Bags
Kg. 1

According to the DPR 26.10.1972, n 633, for **SEAGROWING** has to be applied a 10% VAT.

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc) and can be increased or decreased according to your requirements. 5-6 application are advised during the whole vegetative cycle. IN CASE OF FOLIAR APPLICATION, MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

STIMOLEAF
BIOSTIMULANT
ORGANIC FLUID FERTILIZER

STIMOLEAF is a natural bio-stimulant high in amino-acid content derived from the hydrolysis of animal proteins. **STIMOLEAF** is formulated to increase vegetative growth, especially applicable after unfavorable climatic conditions (frosts, strong winds, hail, etc.)

DOSAGE AND USAGE PROCEDURES

Citrus - Fruit trees Grapes	300 g/Hl (foliar) 10 Kg/Ha (fertigation)
Open Field vegetables	250 g/Hl (foliar) 10 Kg/Ha (fertigation)
Greenhouse vegetables Floriculture	300 g/Hl (foliar) 10 Kg/Ha (fertigation)

COMPOSITION

Organic Nitrogen (N) water soluble	8,20%
Organic Carbon (C)	24,65%
C/N Ratio	2,7
Average molecular weight	1500 dalton
Glycine Ratio (Proline + Hydroxyproline)	1,1
Hydrolysis on dry matter	>330
Free Aminoacids	>10%

Bottles Kg. 1

Tanks Kg. 6

Dosage always depends on different factors (plant's age, growth stage, climatic conditions, temperature, etc). The product displays good miscibility and compatibility, however, we advise preliminary tests and treatment of a few plants before extending to the whole area. MIXTURES WITH COPPER BASED PRODUCTS TO BE AVOIDED.

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fitonutrizione intelligente

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