



FOLIAR



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 formation. Starting with nitrogen, water and air photochemical 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 absorbed 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

AMINOSPRAY	
Total nitrogen (N)	9%
Organic nitrogen (N)	9%
Biological organic carbon (C)	25%

AMINOGRAM (gr/100 gr of amino acids)

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

DOSAGE AND USAGE PROCEDURES

Top Fruit, Grapes, Olive	300 g/hl
Floriculture and Greenhouse Vegetables	200 g/hl
Field Vegetables	250 g/hl
Cereal	4-5 kg/ha

PACKAGING



Bottles
Kg 1



Tanks
Kg 6-30



Avoid mixtures with copper-based products.



BIOCAL

CALCIUM BASED LIQUID FERTILIZER.

BIOCAL is formulated to ensure a high nutrition in calcium coformulated with protein 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

BIOCAL	
Calcium oxide (CaO) water soluble (coformulated with proteinic extracts)	12%

DOSAGE AND USAGE PROCEDURES

Fruit trees, Vegetables	150-200 g/hl (foliar)
Horticultural crops	150-200 g/hl (foliar) 5-10 kg/ha (fertigation)

PACKAGING



Bottles
Kg 1



Tanks
Kg 6



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

BOROFLUID	
Water soluble boron (B) as ethanolamine salt	11%

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)

PACKAGING



Bottles
Kg 1



Tanks
Kg 6



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, thanks to its fixative action, helps permeation of the active ingredients and prevents from rainwash. The high content of zinc and low biuret ureic nitrogen promotes leaves healing reducing treatment's stresses. The formulation is particularly suitable as coadjuvant for herbicide treatments. **FIXFOL** enhances agrochemicals efficacy reducing considerably the losses due to rainwash and evaporation.



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.

DOSAGE AND USAGE PROCEDURES

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

PACKAGING



Bottles
Kg 1



Tanks
Kg 6



Do not mix with acid products.
Do not mix with oils and copper based products.

IDROSOL MIX

MICRONUTRIENTS BASED FERTILIZER .

IDROSOL MIX is created to supply micronutrients to all crops, it is particularly indicated in soilless solutions.

COMPOSITION

IDROSOL MIX	
Water soluble boron (B)	2%
Water soluble copper (Cu)	1%
Water soluble manganese (Mn)	13%
Water soluble molybdenum (Mo)	0,8%
Water soluble zinc (Zn)	8%

DOSAGE AND USAGE PROCEDURES

Soilless: 100 g per 100 liters solution	DOSAGES MAY CHANGE DEPENDING ON DIFFERENT CROPS NEEDS
In fertigation: 500 g per 1000 meters	

PACKAGING



Bags
Kg 5



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

IRON SPRAY	
Total chelated iron (Fe)	11%
Water soluble iron (Fe)	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

PACKAGING



Bags
Kg 1



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. Thanks to its innovative formulation LEAFINE is readily absorbed from roots and leaves helping vegetative and root growth. LEAFINE improves the texture of the fruits increasing production yields.

COMPOSITION

LEAFINE	
Phosphate (P_2O_5) soluble in neutral ammonium citrate and water	30%
Water soluble phosphate (P_2O_5)	30%
Water soluble potassium oxide (K_2O)	40%

PACKAGING



Bags
Kg 1



DOSAGE AND USAGE PROCEDURES



FOLIAR

Citrus, Grapes, Vegetables	300 g/hl
Ornamental Plants	200 g/hl



FERTIGATION

Arboreal Crops	20-40 kg/ha
Vegetables	0,5-1 kg per 1000 mt

Do not mix with products containing phosphorus.

MATURATUTTO-L

MATURATION PRECURSOR.

MATURATUTTO-L is an organic fertilizer made with low molecular weight laevorotatory amino acids obtained from enzymatic hydrolysis and with a high content of methionine and phenylalanine.

Methionine is the precursor of ethylene, a vegetal hormone involved in plant germination and fruits maturation. Phenylalanine is the 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

MATURATUTTO-L	
Total nitrogen (N)	6,5%
Organic nitrogen (N)	6,5%
Organic carbon (C)	18%

PACKAGING



Bottles
Kg 1



Tanks
Kg 6



DOSAGE AND USAGE PROCEDURES

Citrus, Fruit Trees, Table Grapes	300 g/hl (start the treatment 30 days before harvesting, repeat application after 15 days)
Kiwi	300-400 g/hl (start the treatment 30 days before harvesting, repeat application after 15 days)
Greenhouse Vegetables	300 g/hl (apply during fruits development by treating flower clusters)
Field Vegetables	250 g/hl (start the treatment 30 days before harvesting, repeat application after 15 days)
Strawberries	200 g/hl (start the treatment 30 days before harvesting, repeat application after 15 days)

MESOPLUS

LIQUID FERTILIZER CONTAINING CALCIUM AND MAGNESIUM.

MESOPLUS 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 foliar application and in fertigation systems.

COMPOSITION

MESOPLUS	
Total nitrogen (N)	9,5%
Nitric nitrogen (N)	9,5%
Water soluble calcium oxide (CaO)	10,0%
Water soluble magnesium oxide (MgO)	5,0%

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 mq (fertigation)

PACKAGING



IBC's
Kg 1250



Drums
Kg 250



Tanks
Kg 6-30



Do not mix with fertilizers containing phosphorous.

MICROCLEAN

OXIDIZING CLEANING FORMULATION FOR WATER BASINS AND IRRIGATION SYSTEMS.

Due to its strong oxidizing action, **MICROCLEAN** is formulated to prevent and fight mucilage development in water basins and tanks. 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.

PREVENTION AND MAINTENANCE

Irrigation systems cleaning	60-100 cc/mc (treatment duration: 1-2 hrs)
Formation of algae in water basins, rice field	20-50 cc/mc
High concentrations of algae in water basins	150-250 cc/mc
Formation of algae in soilless cultures	20-40 cc/mc
Soil disinfection	300-400 cc/mc

DOSAGE AND USAGE PROCEDURES

Apply MicroClean by using metering pumps with rubber EPDM membranes (avoiding rubber NBR membranes). Acid pumps can be used and, for product concentrations below 5%, also fertigation pumps can be used.

PACKAGING



Bottles
Kg 1



Tanks
Kg 5



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

NEW-COMPLET	
Total nitrogen (N)	20%
Nitric nitrogen (N)	6%
Ammonium nitrogen (N)	2%
Ureic nitrogen (N)	12%
Water soluble potassium oxide (K ₂ O)	20%
Water soluble magnesium oxide (MgO)	2%
Water soluble boron (B)	1,4%
Copper (Cu) EDTA chelated	0,5%
Manganese (Mn) EDTA chelated	0,1%
Water soluble molybdenum (Mo)	0,2%
Zinc (Zn) EDTA chelated	0,1%

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)

PACKAGING



Bags
Kg 1-2,5



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 chelate 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

NU-MIX SPRAY	
Total nitrogen (N)	18%
Nitric nitrogen (N)	1%
Ureic nitrogen (N)	17%
Water soluble potassium oxide (K ₂ O)	5%
Water soluble magnesium oxide (MgO)	4%
Water soluble iron (Fe) EDTA chelated	2%
Water soluble manganese (Mn)	4%
Water soluble zinc (Zn)	4%
Biuret content less than	0,2%

DOSAGE AND USAGE PROCEDURES

Citrus, Top Fruit	300-500 g/hl
Grapes	300 g/hl
Greenhouse Vegetables	250 g/hl
Field Vegetables	300 g/hl
Floriculture	200-300 g/hl

PACKAGING



Bags
Kg 1-2,5-5



NU-ZIM

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

NU-ZIM	
Total nitrogen (N)	25%
Nitric nitrogen (N)	1,5%
Ureic nitrogen (N) from low biuret urea	23,5%
Water soluble potassium oxide (K ₂ O)	5%
Water soluble magnesium oxide (MgO)	2%
Water soluble manganese (Mn)	4,5%
Water soluble zinc (Zn)	4,5%
pH 0,1 %	4,16%
Electric conductivity (0,1% at 25° C, mS/cm)	0,89%
Solubility at 25 °C (g/1 H ₂ O)	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

PACKAGING



Bags
Kg 1,5-10



OLIVOSPRAY OLIVOSPRAY-L

FOLIAR FERTILIZERS CONTAINING HIGHLY CONCENTRATED NITROGEN, BORON AND MICRONUTRIENS.

OLIVOSPRAY and **OLIVOSPRAY-L** are studied to increase the total olive production. These formulations ensure a high nutrition in low biuret ureic nitrogen that is readily absorbed by the leaves and Boron, essential for pollen fertility. The products are indicated for foliar applications but they can also be used in fertigation systems.

COMPOSITION

OLIVOSPRAY	
Total nitrogen (N)	20%
Nitric nitrogen (N)	20%
Water soluble potassium oxide (K ₂ O)	10%
Water soluble boron (B)	5%
Water soluble zinc (Zn) EDTA chelated	1%

OLIVOSPRAY-L	
Total nitrogen (N)	14%
Ureic nitrogen (N)	14%
Water soluble phosphate (P ₂ O ₅)	5%
Water soluble potassium oxide (K ₂ O)	7%
Water soluble boron (B)	0,1%
Water soluble copper (Cu) EDTA chelated	0,002%
Water soluble iron (Fe) EDTA chelated	0,02%
Water soluble manganese (Mn) EDTA chelated	0,02%
Water soluble molybdenum (Mo)	0,001%
Water soluble zinc (Zn) EDTA chelated	0,02%

DOSAGE AND USAGE PROCEDURES



FOLIAR APPLICATIONS

Olive	400-500 g/hl
Top Fruit, Grapes, Field and Greenhouse Vegetables	200-300 g/hl



FERTIGATION

Olive	20-30 kg/ha
Top Fruit, Grapes	15-20 kg/ha
Field and Greenhouse Vegetables	2-3 kg per 1000 mt

PACKAGING



Bags
Kg 1-2,5-5



Bottles
Kg 1



Tanks
Kg 6



PHOSPHON-CU

LIQUID NP FERTILIZER CONTAINING COPPER.

PHOSPHON-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

PHOSPHON-CU	
Total nitrogen (N)	4,4%
Nitric nitrogen (N)	2,2%
Ammonium nitrogen (N)	2,2%
Water soluble phosphate (P ₂ O ₅)	14%
Water soluble copper (Cu)	5%

DOSAGE AND USAGE PROCEDURES

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

PACKAGING



Bottles
Kg 1



Tanks
Kg 6



Do not mix with acid products.



SEAGROWING

ORGANIC FERTILIZER WITH WATER SOLUBLE EXTRACT FROM BROWN ALGAE (*ASCOPHYLLUM 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

SEAGROWING	
Potassium oxide (K ₂ O)	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)

PACKAGING



Bags
Kg 1



SPRAYFEED

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

SPRAYFEED 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.

SPRAYFEED can be used both as a foliar application and in fertigation systems.

COMPOSITION

SPRAYFEED	20.20.20	30.10.10	6.40.30
Total nitrogen (N)	20	30	6
Nitric nitrogen (N)	5,7	2,8	1,5
Ammonium nitrogen (N)	3,9	4,0	-
Ureic nitrogen (N)	10,4	23,2	4,5
Water soluble phosphate (P ₂ O ₅)	20	10	40
Water soluble potassium oxide (K ₂ O)	20	10	30
Water soluble boron (B)	0,02	0,02	0,02
Copper (Cu) EDTA chelated	0,02	0,02	0,02
Iron (Fe) DTPA chelated	0,05	0,05	0,05
Manganese (Mn) EDTA chelated	0,03	0,03	0,03
Water soluble molybdenum (Mo)	0,01	0,01	0,01
Zinc (Zn) EDTA chelated	0,01	0,01	0,01
Chelate stability pH range	4,0-9,0		

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

PACKAGING



Bags
Kg 1-2,5-5

