



Giove gamma

Improves quality and shelf life of fruits and tubers



*Authorized in Organic Farming
DL 75-2010 - Regulation(CE) n. 889/2008*

Ca and Mg for skin quality, K to improve sugar accumulation Zn and S for the enzyme activity, Mg for the photosynthesis

Total solubility – Any Phytotoxicity

Vegetal extracts

Trace elements complexed > 85%

Absorption by stomata and by cuticle

Translocation into the leaf

Stability at pH 2-9



Formulation:

Water soluble microgranules



Bioactive Compounds

Bioactive Element	Definition	Function performed in the product
Activated lignosulphonates	We apply a unique enzymatic process to the classical LS: that's improve the activity	Improvement of % of complexed trace elements Stables at pH 2-9 Improvement of product solubility.
FULVIC ACIDS Selection of compounds with regenerative activity	Humic compounds at low molecular weight High biostimulant activity at foliar and roots level	improve the formeability of cell membrane and of the leaf cell cuticle (uptake and photosynthesis improvement)
Elementary S	S from mines. Very pure	It stimulates the plant to synthetize enzymes Fundamental for essential Aminoacides
K from sulphate	Any chloride content	to improve sugar accumulation
Mg from vegetal source	Mg extracted from the lignin, totally assimilable	It improves photosynthesis
Microelements	Essential nutrients for special physiological activity	They reduce the generic deficiency of all the microelements



Dosages

Crop	Foliar
Orchard	2.0 - 2,5 Kg/Ha for appl
Grape wine	2.0 - 2,5 Kg/Ha for appl
Industrial (corn, rice, cereal)	1.0 - 1,5 Kg/Ha for appl
Processing tomato, melon Watermelon	0,8 – 1.0 Kg/Ha for appl
Potato	0,8 – 1.0 Kg/Ha for appl
Greenhouse tomato	1.0 – 1.2 Kg/Ha for appl
Greenhouse Pepper - Eggplant	1.0 – 1.2 Kg/Ha for appl
Greenhouse Zucchini	1.0 – 1.2 Kg/Ha for appl
Salads	0,8 – 1.0 Kg/Ha for appl
Other crops under greenhouse (cucumber, other fruit vegetables)	1-1,2 Kg/Ha for appl

The number of application is related to the gravity of the deficiency
Apply every 7-10 days.



Label

EC FERTILISER.

Solid Mixture of Microelements LSA with Magnesium and Sulphur. Complexed mixture of Zn - Mn - B (Ca, MgO,SO3)

COMPOSITION

Zinc (Zn) soluble in water	1,0%
Total zinc (Zn) complexed	1,0%
Manganese (Mn) soluble in water	0,5%
Total Manganese (Mn) complexed	0,5%
Boron (B) soluble in water	1%
Calcium oxide (CaO) soluble in water	20%
Magnesium Oxide (MgO) soluble in water	6%
Sulphur Oxide (SO3) soluble in water	12%

All the microelements complexed by lignosulphonates acid (LSA) are stables in the pH range 3-8.5.

FORMULATION: soluble Microgranules

To be used only where there is a recognized need. Do not exceed the appropriate dose rates.

The Product contains also P2O5 and K2O:

Phosphorus pentaoxide (P2O5) total soluble in water and ammonium citrate	1.3%
Potassium oxide (K2O) soluble in water (low chloride content)	0.9%

ALLOWED IN ORGANIC FARMING

Raw materials: lignosulphonates of Zinc, Mn, Ca. Mg. Octoborate of K,



Positioning



Raw Material

Special Vegetal Extracts

Activated lignosulphonates

Fulvic Acids Hydrolyzed

from South Africa fossil leonhardtite

Elementary sulphur

Synergic with N for enzymes synthesis

Ca

Ca from Lithothamne: vegetal origin

Mg

Magnesium from vegetal origin

Microelements

• Zn - B



Process

Activated lignosulphonates by complex enzymatic systems in order to improve the % of trace element complexation
Fulvic acids extracted by KOH

Liquid blend and following drying at $T^{\circ} > 600^{\circ}C$ to keep intact all the biostructural features



Functioning

The % of complexation (minimum 90%) allows lowering the shortage in comparison with classical LS: more solubility

The Fulvic acids improve the permeability of cell membrane and of the leaf cell cuticle (uptake and photosynthesis improvement)

Immediate penetration and release of the microelement into the leaf



Obiettivi

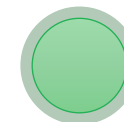
It reduces deficiency problems

It reduces the cost for the farmer

It eliminates phytotoxicity problems

It stimulates the plant to synthesize enzymes

It improves photosynthesis



Note

To be used only in case of real need

Allow the rate suggested in the label