

MICROBIAL INOCULANT - GROWTH
STIMULANT - LIQUID FOLIAR FERTILIZER

Leaf Power

NPK 1 - 1 - 1

bio 

Approved for use in
organic agriculture

Produced by

HUMOFERT



1 Ermou & Theotokopoulou, Metamorphosis,
Greece, Tel: 210 284 5891, www.humofert.gr

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INGREDIENTS:

Beneficial microorganisms 1 x 10¹² cfu* per liter
*(cfu: colony forming units)
Nitrogen (N) 1.2 %, Phosphorus (P₂O₅) 1.0 %, Potassium (K₂O) 1.4 %, Mono- and Oligo- Saccharides
Condensed enzymatic extracts, Dextrose, Amino acids, Trace elements, Organic chelating agents, Natural organic wetting agent
Conductivity (ds/m): 47,6
Salinity (ppt): 31,2
pH: 4,8-5,1

GENERAL INFORMATION:

Leaf Power is a complex product that combines the properties of a growth biostimulator, an organic foliar fertilizer and a microbial solution. **Leaf Power** contains beneficial microorganisms in the form of spores that exist naturally in the soil microflora in most plant species. The rich nutrient content of **Leaf Power** is an ideal food source for the microorganisms that helps spores rebirth and proliferate when they are applied on leaves and shoots. As soon as microorganisms fall into the leaves, they are activated and they start decomposing the organic matter that is contained in **Leaf Power** releasing mineral nutrients immediately assimilated by the plants. In parallel microorganisms produce lipopeptida as metabolites that fortify plant's resistance against stress. Furthermore, **Leaf Power** is an excellent stimulant that contributes in the acceleration of biological processes that take place in the above ground part of plants and trees. The nutrient substrate of **Leaf Power** offers plants macro and medium- nutrients and micronutrients and other substances (amino acids, saccharides, organic chelating agents) contributing in crops' nutrition and vigor. The total effect of the many and different advantages from the use of **Leaf Power** are the enhanced crop yield which results the farmer's increased profitability.

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APPLICATION TIME PER CROP

Crop	Comments
Asparagus, Corns	Apply a spraying program every 7-15 days after emergence.
Tomatoes, Peppers, Eggplants, Fruit vegetables	Apply right after the emergence or transplanting and then every 5-10 days.
Melons, Watermelons, Cucumbers & other cucurbits	Apply right after the emergence or transplanting and then every 7-15 days.
Leafy, Bulbous, Root and Tuberos Vegetables	Apply right after planting, after thinning and then every 7-15 days.
Legumes, Cabbagcauliflowers	Apply right after emergence or transplanting and then every 7-15 days.
Strawberry	Apply at blooming or right after blooming and then every 7-15 days.
Vine	Apply after winter pruning, at 1-4 cm cane, at 7-12 cm and 20-25 cm cane and then every 7-15 days (applications recommended at blooming, sizing, ripening and prior to harvest).
Citrus	Apply at the emergence of the first new leaves and then every 7-15 days (applications are recommended at pre-bloom, at petal fall and when the fruit diameter is 1-2 cm).
Pome fruits	Apply at green tip and then every 3-10 days.
Stone fruits	Apply initially prior to flowering and then every 7-15 days.
Nut trees	Apply 2 weeks prior to flowering and then every 7-10 days.
Lawn, Turf	Apply right after emergence or transplanting and then every 7-15 days.
Pastures, Fodders	Apply right after emergence and then every 7-15 days.
Ornamental plants, Bushes	Apply from the initial growth stages and then every 7-15 days.

RECOMMENDED SPRAYING APPLICATION RATES

5 - 10 l/ha diluted in an appropriate amount of water depending on the type and the size of the crop. Dilution rate must not exceed 10 ml/l of water. In ornamental plants the application rate is 250-400 ml/100 l of water. In the nursery the application rate is 125 ml/100 l of water.

USE AND APPLICATION:

Leaf Power is recommended for vegetables, strawberry, grapes, citrus, pome fruits, stone fruits, nut trees, corns, asparagus, tropic fruits and ornamental plants. Is applied foliarly by spraying thoroughly the entire leaf area, while in grapes is recommended to spray also the bunch of grapes. The number of the required applications depends on the crop, the conditions of the region and the condition of the plants. **Leaf Power** can be applied even on the day of the harvest. The pH of the spraying solution must be adjusted near the buffer zone (6.5-7.5) for higher efficacy of the product. In case of rain after the application it is recommended to repeat the spraying.

MIXING INSTRUCTIONS AND COMPATIBILITY:

Leaf Power can be mixed with fertilizers, fungicides and other chemical products. Read and follow the mixing instructions written on the label of the rest of the chemical products. Apply all of tank mix solution on the same day. It must NOT be mixed with bactericides or copper products. Apply 48 hours after the application of such products. It must NOT be mixed with products which reduce pH below 5 since they affect the efficacy of the product. The addition of a wetting agent or an additive is not necessary. **Leaf Power** is not phytotoxic to plants.

STORAGE:

The product should be stored at normal room conditions. IT MUST NOT FREEZE. Keep out of direct sun light or any heat source. After use do not allow the lid open. Empty containers should not be reused.

PRECAUTIONS:

If swallowed, induce vomiting and contact medical help. In case of contact with skin or clothes, wash thoroughly with water and soap. In case of contact with eyes, flush with plenty of water. Get medical attention if irritation remains. Keep out of reach of children.

SHAKE WELL BEFORE EACH USE

Approved for use in organic agriculture according to Reg. (EC) 889/2008: Annex I; (Micronutrients, Hydrolyzed proteins). Restriction: Micronutrient deficiency must be documented by testing or competent professional award. Do not provide more than 20% total N plant requirement.

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