MICROBIAL INOCULANT - GROWTH STIMULANT - LIQUID FOLIAR FERTILIZER

Bactamin

bio

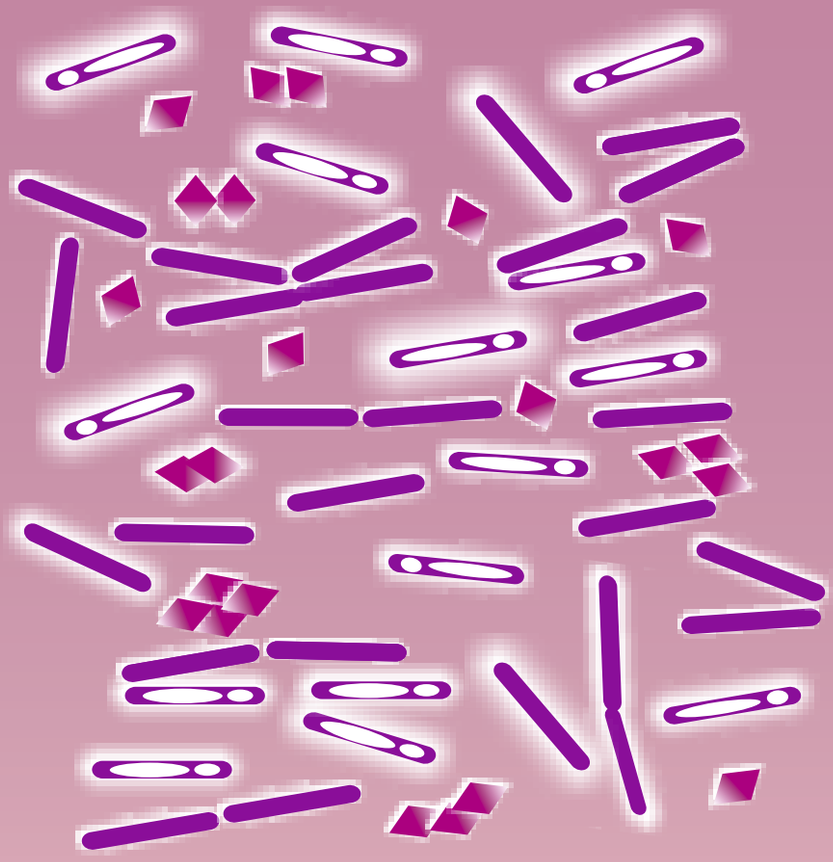
NPK 1 - 1 - 1

Approved for use in organic agriculture

Contains beneficial microorganisms in population $1x10^{12}$ cfu (colony forming units) per liter

Bactamin is a complex product that combines the properties of a growth biostimulant, an organic foliar fertilizer and a microbial solution. ***Bactamin*** contains beneficial microorganisms formulated in spores that exist naturally in the microflora of leaves, shoots and soil in most plant species. The rich nutrient content of ***Bactamin*** is an ideal food source for the microorganisms that helps spores rebirth and multiply when they are applied on the foliage. As soon as the microorganisms fall on to the leaves, they are activated and start to decompose the contained in ***Bactamin*** organic matter and also releasing mineral nutrients readily assimilated by the plants.

In parallel microorganisms produce metabolites of protein nature which fortify plant's resistance during stress periods. Furthermore, ***Bactamin*** is an excellent stimulant that contributes to the acceleration of biological processes that take place in the above ground part of plants and trees. The nutrient substrate of ***Bactamin*** offers plants macro and medium-nutrients and micronutrients and other substances (amino acids, saccharides, organic chelating agents) which contribute to crop's nutrition and vigor. The total effect of the many and different advantages from the use of ***Bactamin*** are the enhanced crop yield resulting in the farmer's increased profitability.



Synthesis: Nitrogen (N) 1.2%, Phosphorus (P_2O_5) 1.0%, Potassium (K_2O) 1.4%, Mono- and Oligo- Saccharides, Condensed enzymatic extracts, Dextrose, Amino acids, Trace elements, Organic chelating agents, Organic natural wetting agent

Conductivity (ds/m): 47.6
Salinity (ppt): 31.2
pH: 4.8-5.1

Net Content
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Produced by

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MIXING INSTRUCTIONS AND COMPATIBILITY: ***Bactamin*** must not be mixed with very acid or alkaline products (pesticides, fertilizers, additives). Apply at least 7 days after the application of any bactericide or copper product. If you are not sure about the compatibility of the products you would like to mix, 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. The addition of a wetting agent or additive is not necessary.

STORAGE: The product should be stored at normal room conditions (25°C). IT MUST NOT FREEZE. Keep out of direct sun light or any heat source. After use do not allow the lid open. ***Bactamin*** must be used no later than 15 days after opening the package. Empty containers should not be reused.

USE AND APPLICATION: ***Bactamin*** is recommended for vegetables, vineyard, olive, citrus, pome fruits, stone fruits, nut trees, forest trees, cotton, corn and ornamental plants. Is applied foliarly by spraying thoroughly the entire leaf area, while in vineyard 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. Follow the spraying program that is recommended per crop in the following table. ***Bactamin*** can be applied even on the day of the harvest. It is important that the applications are conducted in the evening (just before sunset). In case of rain after the application (5 -7 days after spraying) it is recommended to repeat the spraying.

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 the reach of children. SHAKE WELL BEFORE EACH USE

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

RECOMMENDED APPLICATION RATES PER CROP

Crop	Application rate	Application timing
Vegetables (tomato, pepper, eggplant, cauliflower, cabbage, lettuce, leek etc)	1 l/ha in 500-1,000 l of water	Apply at early bloom. Repeat every 7-10 days.
Vineyard	0.8 l per ha in 1,000 l of water	Apply just prior to flowering, during bloom insemination, when berries are small and during ripening.
Olive	1 l/ha in 2,000-3,000 l of water	Apply at the inititation of bloom, at the beginning of full bloom and 7-10 days after the 2nd spray.
Citrus	1.5 l/ha in 2,000-4,000 l of water	Apply at early bloom. Repeat after 7-10 days.
Pome fruits	0.75 l/ha in 1,000-2,000 l of water	Apply at early bloom. Repeat after 7-10 days.
Stone fruits	0.75 l/ha in 1,000-2,000 l of water	Apply at early bloom. Repeat after 7-10 days.
Nut trees	0.75 l/ha in 1,000-2,000 l of water	Apply at early bloom. Repeat after 7-10 days.
Forest trees	1 l/ha in 2,000 l of water	Apply in September, in mid spring (April-May) and in early June.
Cotton	0.5 l/ha in 500-700 l of water	Apply in late July and repeat 1-2 times every 10-15 days.
Corn	1 l/ha in 500-1,000 l of water	Apply at 15-20 cm growth, at 25-35 cm growth and prior to tasseling.
Ornamentals	1-1.5 l/ha in 1,000-2,000 l of water	Apply at early bloom and repeat every 10-15 days.