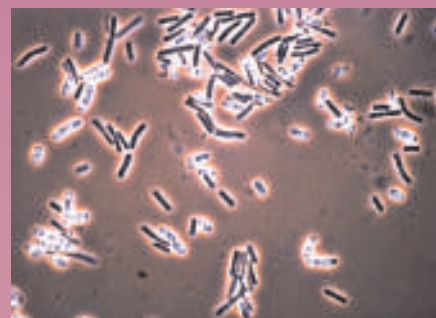


# Bactamin

**Bactamin** is a composite product that acts both as a microbial inoculant and as a growth stimulator and also as an organic foliar fertilizer.

- **Bactamin** is an excellent microbial inoculant:
  - \* Contains beneficial bacteria of the genus *Bacillus* in the form of endospores.
  - \* Contains bacteria of the natural microflora of the leaf, the shoot and the rhizosphere of most plants.
  - \* Contains a rich in nutrients organic substrate that contributes to the germination of the endospores and the proliferation of the bacteria just after the application of **Bactamin** on the foliage of the plants.
  - \* The microorganisms of **Bactamin** supply the plants with nutrients. As soon as **Bactamin** is applied on the foliage of the plants, the endospores germinate and the bacillus that occur, start to proliferate and decompose the organic substrate of **Bactamin**, releasing nutrients that are readily available to the plants.
  - \* The microorganisms of **Bactamin** release protein metabolites that fortify the resistance of plants in stress periods.
  - \* The microorganisms of **Bactamin** release substances that protect plants from pathogens of the foliage.
- **Bactamin** is an excellent microbial inoculant:
  - \* The organic substrate of **Bactamin** is composed of micro- and macro-nutrients, trace elements, amino acids, saccharides and chelating agents, ensuring the complete nutrition of the plants.
  - \* The organic substrate of **Bactamin** stimulates and accelerates the biological processes that take place in the aboveground part of the plants and trees.
  - \* The nutrients of **Bactamin** enhance the vigour of the crop.
  - \* **Bactamin** increases crop yield and thereby the farmers' profit.



## SYNTHESIS

Contains beneficial microorganisms in population of  $1 \times 10^{12}$  cfu\* per liter  
\*cfu: colony forming units

|  |       |
|--|-------|
| Nitrogen (N) .....                               | 1.1 % |
| Phosphorus ( $P_2O_5$ ) .....                    | 1.0 % |
| Potassium ( $K_2O$ ) .....                       | 1.2 % |
| <b>Mono- and Oligo- Saccharides Concentrated</b> |       |
| <b>Concentrated Enzyme Extracts</b>              |       |
| <b>Dextroze</b>                                  |       |
| <b>Amino acids</b>                               |       |
| <b>Micronutrients</b>                            |       |
| <b>Organic Chelating Agents</b>                  |       |
| <b>Organic Natural Wetting Agent</b>             |       |



| CROP   | APPLICATIONS   | APPLICATION RATE (per ha)            |
|--|--|--------------------------------------|
| Vegetables (tomato, pepper, eggplant, cauliflower, cabbage, lettuce, leek etc) | At early bloom. Repeat every 7-10 days   | 1 l<br>in 500-1,000 l of water       |
| Vineyard   | Just prior to bloom, during flower insemination, when the berries are small and during ripening            | 0.8 l<br>in 1,000 l of water         |
| Olive  | When the first flowers start to bloom, at the beginning of full bloom and 7-10 days after the second spray | 1 l<br>in 2,000-3,000 l of water     |
| Citrus trees   | At early bloom. Repeat after 7-10 days   | 1.5 l<br>in 2,000-4,000 l of water   |
| Pome fruits  | At early bloom. Repeat after 7-10 days   | 0.75 l<br>in 1,000-2,000 l of water  |
| Stone fruits   | At early bloom. Repeat after 7-10 days   | 0.75 l<br>in 1,000-2,000 l of water  |
| Nut trees  | At early bloom. Repeat after 7-10 days   | 0.75 l<br>in 1,000-2,000 l of water  |
| Forest trees   | In September, in mid spring (April - May) and in early June  | 1 l<br>in 2,000 l of water           |
| Cotton   | In late July and repeat 1-2 times at 10-15 day intervals   | 500 ml<br>in 500-700 l of water      |
| Corn   | At 15-20 cm growth stage, at 22-35 cm growth stage and prior to tasseling                                  | 1 l<br>in 500-1,000 l of water       |
| Ornamentals  | At early bloom. Repeat after 10-15 days  | 1-1.5 l<br>in 1,000-2,000 l of water |

**Bactamin** is applied foliarly by spraying thoroughly the entire leaf area. **Bactamin** must be applied late in the evening (before sunset). In case of impending rain, the application of **Bactamin** should be avoided. However, in case of rainfall (5-7 days after the application), it is recommended to repeat the spray. **Bactamin** can be applied even on the day of the harvest.



It is recommended **BACTAMIN** to be combined with **BACTA-FOOD** which is an excellent food source for the beneficial microorganisms of **BACTAMIN**. **BACTA-FOOD** stimulates the germination of the endospores and the proliferation of the bacteria. In this way, **BACTA-FOOD** ensures the increase of the microbial population and the maximum microbial activity.

