

- Specification Sheet -

BACTAMIN

Bactamin is a composite product that combines the properties of a growth biostimulant, an organic foliar fertilizer and also an excellent microbial inoculant. **Bactamin** contains beneficial bacteria in the endospore form that occur naturally on leaves, shoots and rhizosphere of most plants. The rich in nutrients substrate of **Bactamin** contributes to the germination of the endospores and the proliferation of the bacteria just after the application of the **Bactamin** on the foliage of the plants. 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. At the same time, the beneficial bacteria of **Bactamin** release metabolites-proteins that fortify the resistance of the plants in stress periods and other substances that act as a protective shield for the foliage of the plants.

In addition, **Bactamin** is an excellent growth simulator since its nutrient substrate offers micro- and macro-nutrients, trace elements, amino acids, saccharides and chelating agents to the plants, contributing to the plants' nutrition and vigour.

PROPERTIES AND USES:

- Fortifies plant's resistance during stress periods.
- Is an excellent plant growth stimulator that contributes to the stimulation and the acceleration of biological processes that take place in the aboveground part of plants and trees.
- Supplies the plants with mineral nutrients that are readily assimilated by the plants.
- Supplies the plants with nutrients that stimulate their growth and enhance their vigour.
- Acts as a protective shield for the foliage of the plant.
- Enhances crop yield.
- Increases farmer's profit.

APPLICATION:

Bactamin 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.

Application Rate: Generally it is applied at the following application rate.

Foliar application: 0.75-1 l/ha

STANDARD ANALYSIS

	(w/w)	(w/v)
Nitrogen (N)	1.32 %	1.49 %
Phosphorus (P ₂ O ₅)	1.02 %	1.15 %
Potassium (K ₂ O)	1.40 %	1.58 %
Calcium (CaO)	0.28 %	0.32 %
Magnesium (MgO)	0.06 %	0.07 %
Sulfur (S)	0.05 %	0.06 %

PHYSICAL PROPERTIES:

Appearance:	Fine brown-black fluid
Density:	1.13 g/ml
Solubility:	100% water soluble
pH:	4.8-5.08