



Calcium Microbes

DATA SHEET

Calcium Microbes is a biofertilizer whose action is based on the activity of the bacteria *Enterobacter asburiae*. These types of bacteria live naturally in the soil near the roots of the plants, from where they establish a mutually beneficial relationship (symbiosis) with the roots.

- **Calcium Microbes** bacteria solubilize the most common form of calcium in soil, which is calcium carbonate, to transform it into calcium ions (Ca^{2+}), which is the form available to the plant in which it manages to take up this nutrient.
- **Calcium Microbes** can reduce the addition of calcium nitrate as a form of fertilization by up to 40% and therefore reduces production costs, in addition to solubilizing the calcium present in the soil that is not available to the plant.

BIOLOGICAL COMPOSITION

- *Enterobacter asburiae* 1×10^{14} UFC/ml

BENEFITS

- Solubilizes the Calcium in the soil.
- Source of bioavailable Calcium for the plant.
- Strengthens the cell wall of the plant.

APPLICATION METHOD

Calcium Microbes comes from a fresh and metabolically active crop, which is why it is recommended for use at the time of receipt. Very early or during the afternoon, avoiding long hours of sun and solar radiation.

- The product is injected into the root or in drench directly to the base of the plant. Always make sure that the implement to be used has not had a previous bactericide or fungicide. Wash the pump thoroughly before use. Preferably use neutral powdered soap.
- Do not eat, drink or smoke during applications, wash your hands before and after using this product.

It is recommended to dilute 1 liter of **Calcium Microbes** per hectare in natural water as clean as possible for crops of 1-9 kg and for crops of 10-50 kg use 2 liters per hectare and of 60-100 kg use 3 liters per hectare.

- Do not dilute more than 500 L per liter of Calcium Microbes as microbial cultures require a minimum concentration to act.



APPLICATION FREQUENCY

It is recommended to make 2-3 applications per hectare for optimal colonization of the plant with a frequency of 7-10 days each, which will achieve healthy plant nutrition and crop defense.

DOSE:

Crop	General
Dose	1L/1 ha
Frequency	7-10 days
Applications	2-3 applications



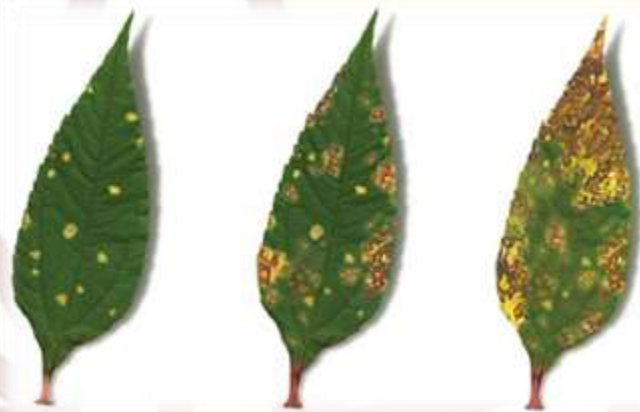
COMPATIBILITY WITH OTHER PRODUCTS

Calcium Microbes is compatible with some fertilizers.

In case of making an application of any bactericide, fungicide, pesticide or insecticide it is necessary to review the residence time of said product and ensure that the application of **Calcium Microbes** is outside this period, as well as wash well the material with which the application is going to be made with neutral soap to ensure that traces of the product are avoided.

Consult your technical advisor for compatibility with other products.

It is not recommended to apply **Calcium Microbes** if you plan a subsequent application of bactericides, fungicides or any similar product because this would end the population of microorganisms applied in **Calcium Microbes**.



AGRONOMIC USE

Calcium Microbes guarantees a 100% organic and high quality product that can be used for the following crops, although this recommendation is not limited to other agricultural crops: **Vegetables in general:** Cabbage, cauliflower, broccoli, compass cabbage, radish. **Fruit trees in general:** Avocado, citrus, peach, guava, mango, coconut, banana, papaya. **Solanaceae:** Tomato, chili, potato, eggplant, pepper. **Cucurbitaceae:** Cucumber, melon, watermelon, pumpkins. **Seeds:** maize and sorghum wheat, barley and oats. **Berries:** blueberry, raspberry, blackberry, blackberry. **Other crops:** Celery, asparagus, lettuce, onion, chives, carrot, walnut, pineapple, vine, sugar cane, cotton, agaves, oil palm.

STORAGE AND TRANSPORT CONDITIONS

- Store the product in cool, covered places at room temperature.
- Do not expose it to the sun's rays.

TOXICITY

100% organic product.

It is not phytotoxic at the recommended concentrations, stages and forms of application. In case of ingestion or discomfort at the time of use, induce vomiting and consult your doctor.

Let's treat our crops with organic products!



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