POTASSIUMMICROBES

SOIL MICROBIOTA

ORGANIC AND INORGANIC POTASSIUM-SOLUBILIZING MICROORGANISMS

PotassiumMicrobes owned by Microendo Inc., is a unique and patented bio-fertilizer on the market, whose action is based on the activity of the bacterium *Pantoea spp*. This type of bacteria was selected and patented for its high capacity to solubilize Potassium in the soil, making it available for subsequent uptake by the plant **PotassiumMicrobes** increases the bioavailability of K+ (Potassium) in the plant, by releasing substrate so that the plant can take it more efficiently from its roots and take advantage of it. Potassium is one of the most important macroelements for plants due to its functions for enzymatic activity, protein synthesis, energy transport, stomatal activities, among others.
PotassiumMicrobes has another remarkable aspect which is the ability to produce phytohormones that stimulate the growth of the plant.
With the use of **PotassiumMicrobes** you can reduce potassium fertilization by up to 30% and therefore reduce production costs.

BENEFITS

- Potassium-solubilizing microorganisms.
- Increases the bioavailability of Potassium.
- Boosts fruit yield.

BIOLOGICAL COMPOSITION

Pantoea spp. $1x10^{14}$ UFC/ml

AGRONOMIC USE

PotassiumMicrobes 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.

DATA SHEET

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APPLICATION METHOD

PotassiumMicrobes, comes from a fresh and metabolically active crop, so its use is recommended at the time of receipt. Very early or during the afternoon, avoiding long hours of sun and solar radiation.

The product is applied injected to 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 soap powder.

Do not eat, drink or smoke during applications, wash your hands before and after using this product.
It is recommended to dilute per hectare, 1 liter of **PotassiumMicrobes**, in 200-300 L of natural water as clean as possible.
Do not dilute in more than 500 L per liter of **PotassiumMicrobes** because microbial crops require a minimum concentration to act.

APPLICATION FREQUENCY

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

DOSE

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

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COMPATIBILITY WITH OTHER PRODUCTS

PotassiumMicrobes 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 **PotassiumMicrobes** 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 **PotassiumMicrobes** if you plan a subsequent application of bactericides, fungicides or any similar product because this would end the population of microorganisms applied in **PotassiumMicrobes.**

STORAGE AND TRANSPORT CONDITIONS

Store the producto 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.

OMRI LISTED
For Organic Use

If you think of microorganisms, think of Microendo.

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