

MOLYBDENUM MICROBES

MOLYBDENUM-ASSIMILATING MICROORGANISMS



SOIL MICROBIOTA

Molybdenum Microbes owned by Microendo Inc., is a unique and patented bio-fertilizer on the market, whose action is based on the activity of the bacterium *Kosakonia cowanii*. These bacteria naturally live in the soil near plant roots, where they establish a mutually beneficial relationship (symbiosis) with the roots.

Molybdenum Microbes is the first product made from the selection of the best microorganisms for the assimilation of Molybdenum from the soil to the plant. These microorganisms reduce the form of Molybdenum present in the soil until the Molybdenum bioavailable for the MoO₄- plant is obtained. At the same time, the bacteria produce hormones (indoleacetic acid) that stimulates the plant's development.

Molybdenum Microbes helps to obtain the Molybdenum in the soil that is not found in the form bioavailable to the plant and this reduces production costs.



BENEFITS

- Molybdenum-assimilating microorganisms.
- Enhances Nitrogen utilization in the plant.
- Stimulates plant growth.

BIOLOGICAL COMPOSITION

Kosakonia cowanii 1×10^{13} UFC/ml

AGRONOMIC USE

Molybdenum 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.

DATA SHEET

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APPLICATION METHOD

MolybdenumMicrobes 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 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 **MolybdenumMicrobes** 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 **MolybdenumMicrobes** 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	<i>General</i>
Dose	1 L/1 ha
Frequency	7-10 days
Applications	2-3 applications

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COMPATIBILITY WITH OTHER PRODUCTS

MolybdenumMicrobes is compatible with some fertilizers.

In case of applying a bactericide, fungicide, pesticide or insecticide, it is necessary to check the residence time of said product and make sure that the application of **MolybdenumMicrobes** is outside this period, as well as wash the material with which the application is going to be made well 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 **MolybdenumMicrobes** if a subsequent application of bactericides, fungicides or any similar product is planned as this would kill the population of microorganisms applied with **MolybdenumMicrobes**.

STORAGE AND TRANSPORT

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.

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If you think of microorganisms, think of Microendo.

www.microendo.com.mx

info@microendo.com.mx

33 2603 8388

33 1469 5219