

RHIZO MIC™

Beneficial Fungi
& Bacteria



RHIZO MIC™

Natural Bio-Fungicide

Rhizo Mic™ protects the plants through its highly developed natural attributes. It contains beneficial bacteria and fungi:

Beneficial Bacteria:

- *Rhizobium* sp. 8×10^7 CFU/gr
- *Bacillus subtilis* 2.4×10^7 CFU/gr
- *Bacillus mycoides* 2.4×10^7 CFU/gr

Beneficial Fungi:

- *Trichoderma viride* 2×10^8 spores/gr
- *Mycorrhizae* 1×10^2 spores/gr

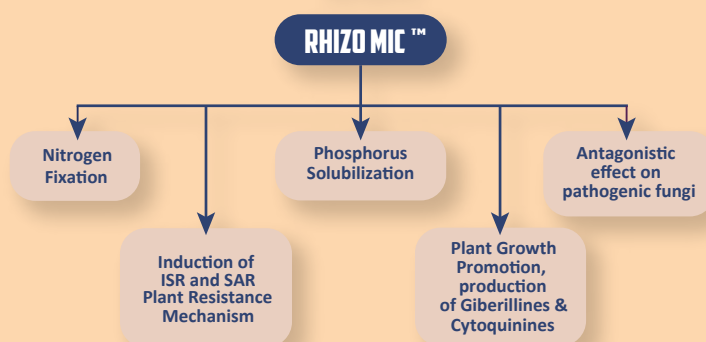
Rhizo Mic™ protects the crops against most soil-borne diseases but also promotes the growth, resistance, yield production and general well-being of plants.

It is the best solution against:

- *Pythium* sp.
- *Fusarium* sp.
- *Phytophthora* sp.
- *Verticillium* sp.
- *Rhizoctonia* sp.



Benefits



Methods of Application

- Seed Treatment
- At transplant
- Via the irrigation system
- Directly sprayed onto the ground

Application

Most Important:

The Microbes must reach the root zone!

Application Rate: 2- 5 kg / Ha

- Ideal for Vegetables, legumes such as Soybeans, Faba Beans, Peas and French Beans, Ornamentals and Seedlings.

Mode of Action

***Bacillus subtilis*:**

- The ability of this strain to protect plants against phytopathogens relates to antibacterial and antifungal polypeptide biosynthesis.
- *B. subtilis* is also known to be antagonistic toward many fungal plant pathogens, competing for nutrients, site exclusions and colonizations.
- Elicits Plant Resistance Mechanisms (SAR and ISR) in treated crops.

***Bacillus mycoides*:**

- Promotes plant growth and induces systemic resistance against various diseases by producing volatile organic compounds.

***Rhizobium sp.*:**

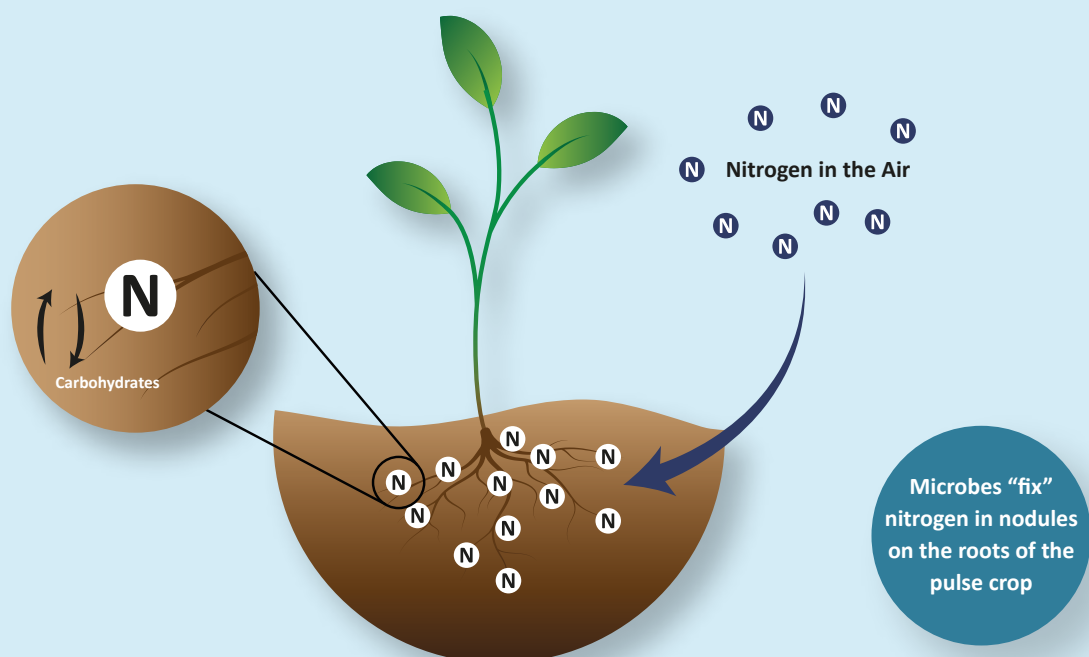
- Forms a symbiotic association with roots of certain plants, such as legumes, where it will develop within certain root cells, forming nodules.
- Fixes nitrogen from the air into ammonia, which will act as a natural fertilizer for the plants.

***Trichoderma sp. Complex*:**

- Antagonistic to the disease, competing with fungi for nutrients & space.
- Produces and releases metabolic compounds to the soil that inhibit the development of the pathogens.
- Induces ISR (Induced Systemic Resistance)
- Directly attacks the pathogen.

Nitrogen Fixation

Although Earth's atmosphere contains more than 78% Nitrogen, this cannot be directly used by the plants. The beneficial bacteria contained in Rhizo Mic™ makes atmospheric Nitrogen usable for the plants through a process known as Nitrogen Fixation, resulting in healthier and sturdier plants, and significant yield increase.



Field Results



Plant at left side is treated with **Rhizo Mic™**. Application of **Rhizo Mic™** results in healthy, vigorous plants with well-developed root system.



Effect of **Rhizo Mic™** on the plant and root system development of pepper plants. The 2 plants on the left are treated with **Rhizo Mic™**.

Important Note:

The indicated crops and recommended rate of application mentioned in this Product informative sheet may not be applicable in the country where the product is intended to be used. User must refer and use the product only as per the official registration at the country of use and the approved uses and rates by the authorized authorities. The supplier will not be responsible or liable if the product is used on crops which are not listed on the official label as approved by the ministry of agriculture at the country of use.

Rhizo Mic is to be used only as a fungicide and a soil applied bio stimulant. Always ensure to follow the instructions in the Product label.

Disclaimer: This information and all further technical advice is based on our present knowledge and experience and approvals from the registration authorities. The visualizations presented herein are intended for illustrative and educational purposes only. They do not represent scientifically accurate depictions of agricultural processes, nor do they have any legal binding. The information depicted is based on widely recognized agricultural knowledge and practices described in writing. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. In the event of any discrepancies between the information stated herein or any other information source and the information stated on the product label, the information stated on the product label will prevail. The customer/user is not released from the obligation to conduct careful inspection and testing of products. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of the customer on small scale plot. Reference to trade names used by other companies is neither a recommendation nor does it imply that similar products could not be used.

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