

Liquid microbial suspension for absorbing nitrogen from the air

■ DESCRIPTION:

MicroAktiv®-N2Fix is a mixture of selected, naturally occurring micro-organisms for use in agriculture and horticulture for the absorption of nitrogen from the air. **MicroAktiv®-N2Fix** is a liquid containing micro-organisms from the *Methylobacterium* family. It is known that this bacterium can absorb nitrogen from the air and make it available for crops. This has a positive contribution to the growth of the plant and reduces the need for artificial N-fertilization.



■ APPLICATIONS:

MicroAktiv®-N2Fix is used as a soil improver and as a foliar spray in agriculture and horticulture. **MicroAktiv®-N2Fix** contains the bacteria *Methylobacterium extorquens*. This bacterium can fix atmospheric nitrogen (N_2). **MicroAktiv®-N2Fix** enables each crop to naturally fix an average of 11.3 kg of atmospheric nitrogen (N_2) per hectare. The *Methylobacterium* also stimulates photosynthesis. These bacteria absorb UV-A and UV-B light, which increases photosynthesis and gives the plants more energy.

Nitrogenases are the enzymes used by the nitrogen-fixing bacteria *Methylobacterium* to break down the molecular nitrogen in the atmosphere. Combining nitrogen with hydrogen creates ammonium.

■ APPLICATION PROGRAM:

MicroAktiv®-N2Fix can be applied to the leaves or on the soil.

- Dosage: 115 grams per hectare.
- Spray in the morning or evening.
- Apply in dry weather.
- Minimum temperature 4° C.
- Do not mix with pesticides or fungicides.
- Repeat after 4/6 weeks



■ **PRODUCT CHARACTERISTICS:**

Appearance	Light brown liquid
Contents	Selected, naturally occurring, non-pathogenic saprophyte <i>Methylobacterium extorquens</i> strain.
Nominal CFU count	10 ⁸ KVE/ml
Shelf life	6 months. After opening 2 weeks.
Packaging	5 Liter jerrycans

■ **OPTIMAL APPLICATION CONDITIONS**

MicroAktiv[®] products are based on natural ingredients and bacteria. Therefore, do not use the product in combination with biocides and fungicides. Soils that have been exposed to these agents for a long time contain residues of these products and are not directly suitable for the application of **MicroAktiv[®]**. These obstacles can be overcome with the help of certain additives. Consult the **MicroAktiv[®]** product specialist for the best treatment program.

■ **STORAGE & HANDLING:**

Storage	Store the product in a cool, dry place. Avoid high temperatures and direct sunlight. DO NOT FREEZE!
Handling	CAUTION The product contains class 1 microbes, defined by EEC Directive 2000/54, which are unlikely to cause disease in healthy humans and animals. However, individuals with compromised immune systems or a history of severe allergic reactions/reactions should avoid contact with open wounds and/or inhalation of dust or mists from product handling or manufacturing process.

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