

**LIQUID FERTILIZER & SOIL CONDITIONER WITH
BENEFICIAL NITROGEN FIXING BACTERIA**

AzoRiz

**It contains beneficial nitrogen fixing soil bacteria at a population of
 2×10^{12} cfu (colony forming units) per liter
 1×10^{12} Rhizobium (sp.) & 1×10^{12} Azotobacter (sp.)**

Rhizobium are symbiotic bacteria, occurring naturally on the root hairs of legume plants, where they form nodules. Rhizobium bacteria convert atmospheric nitrogen into ammonia, supplying plants with nitrogen.



Azotobacter are free living soil bacteria, which bind atmospheric nitrogen and convert it into ammonium nitrogen. In addition, they produce substances (IAA, GA) which promote growth and performance of the root system.

Produced by

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bio
Approved
for use
in organic
agriculture

Net Content

1 L

SYNTHESIS

Beneficial bacteria..... 2x10¹² cfu*/L
Manganese (Mn)..... 0,1 %
pH 7,1 - Conductivity: 300 mS/cm - Salinity: 0,1 ppt
*cfu: colony forming units

PROPERTIES

- It gradually increases the soil nitrogen which is readily available to plants.
- It reduces the application of nitrogen fertilizers and the quantity which is required in order to meet the plants needs.
- It contributes to the restriction of environmental pollution by nitrates due to the excessive use of chemical fertilizers.
- It provides smooth growth to crops, since nitrogen-fixing bacteria supply them with nitrogen during the growing season.
- It improves air circulation and root system penetration in the soil.
- It increases significantly seeds germination.
- It enriches soil with beneficial micro-organisms which create symbiotic relations with plants and produce substances that promote root system development.
- It increases crop yields and contributes to the growth of highly productive plants with high stress resistance.

STORAGE CONDITIONS: The product should be stored in room conditions. IT SHOULDNT FREEZE. Keep it away from direct sun light and any heat source. Once the packaging has been opened the product should be used immediately. After use do not leave it untapped. Empty bottles should not be reused. Keep it away from children.

PRECAUTIONS: If it is dropped on skin or clothing wash your skin thoroughly with soap and water. If it is dropped in the eyes, rinse with plenty of water. If irritation persists seek medical advice.

MIXING INSTRUCTIONS - COMPATIBILITY: **AzoRiz** can be combined with fungicides. Follow the mixing instructions on the labels of other chemical products (e.g. herbicides). Apply the entire solution of the container on the same day. It is NOT combined with bactericides and soil disinfectants. It is NOT combined with very acidic or alkalic products. It is recommended to avoid mixing it with chemical fertilizers. **AzoRiz** should be applied after soil disinfection and before sowing or transplanting. Apply 48 hours after the application of a bactericide or soil disinfection product. **AzoRiz** is not phytotoxic to plants and has excellent results when mixed with manure.

RECOMMENDED CROPS:

Legumes (Beans, Peas, Lentils, Chickpeas, etc.), Soya, Peanut and other oilseeds, Clover, Alfalfa, Carrot, Beet, Sweet potato.

APPLICATION METHOD - RATES

Seeds-Tubers dipping: Dissolve 40-80 ml in adequate water volume in order to soak 1 kg of seeds. Dip the seeds into the solution and mix thoroughly until they are soaked. Let the seeds dry for ½ hour and then sow them.

Plantlets dipping: Dissolve 50-100 ml in 5-10 L water and dip the plantlets for ½ hour before transplanting.

Mixing with manure: Spray or water 1-1.5 L **AzoRiz** in 1000-2000 kg manure and mix well. Let the manure rest covered for a night at moisture around 40-50%. The next day spread the manure over one hectar before the last tillage or the first watering.

Fertigation: 2.5-7.5 l per ha.

Spraying: 1.25 l per 500 l of water/ha.

Approved for use in organic agriculture according to Reg. (EC) 889/2008: Annex I; (Micronutrients, Microorganisms)

RESTRICTION:
Micronutrient deficiency must be documented by testing or competent professional award.

**SHAKE WELL
BEFORE EACH
USE**

