

ECON-FIX

(NATURE'S NITROGEN POWERHOUSE)

INTRODUCTION:

EcoN-Fix a revolutionary biofertilizer enriched with a carefully selected strain of *Azotobacter chroococum*, a naturally occurring diazotrophic bacterium. With its remarkable ability to fix approximately 50 kg/Ha of atmospheric nitrogen, EcoN-Fix empowers farmers with a sustainable solution for enhancing soil fertility and promoting healthy plant growth.

COMPOSITION:

| Component | Content (% w/w) |
|-------------------------------|-------------------------|
| <i>Azotobacter chroococum</i> | : 1×10^9 CFu/g |
| Adjuvants | : Q.S. to make |

KEY FEATURES:

- 1. Nitrogen-Fixing Powerhouse:** EcoN-Fix utilizes the nitrogen-fixing abilities of *Azotobacter chroococum* to enrich the soil with essential nitrogen, promoting healthy plant growth and development.
- 2. Versatile Application:** Whether used as a seed dressing product or soil inoculant, EcoN-Fix adapts to various cropping systems, providing flexible and effective nitrogen supplementation for crops.
- 3. Soil Health Enhancement:** By introducing beneficial bacteria into the soil, EcoN-Fix improves soil structure, fertility, and microbial diversity, leading to long-term soil health and productivity.

BENEFITS:

- 1. Sustainable Nitrogen Source:** With its ability to fix significant amounts of nitrogen, EcoN-Fix reduces the need for synthetic nitrogen fertilizers, promoting environmentally friendly farming practices and minimizing nitrogen runoff.
- 2. Increased Yield Potential:** By ensuring optimal nitrogen availability to plants, EcoN-Fix enhances crop yield potential, resulting in higher productivity and profitability for farmers.
- 3. Enhanced Plant Nutrition:** EcoN-Fix not only provides nitrogen but also facilitates the uptake of other essential nutrients, leading to balanced plant nutrition and improved crop quality.

DOSES:

- 1. Seed Dressing:** Coat seeds with 50 gms/ha of EcoN-Fix before planting to establish a beneficial microbial environment around the seeds, promoting nitrogen fixation from the early stages of

germination and seedling emergence.

- 2. In-Furrow or 2x2 Starter:** Apply 1 kg/ha of EcoN-Fix directly in-furrow or as a 2x2 starter treatment to ensure optimal nitrogen fixation and promote healthy early-stage plant growth.
- 3. Broadcast:** For broadcast application, evenly distribute 800 gms to 1 kg/ha of EcoN-Fix across the entire field to provide comprehensive nitrogen supplementation for all crops.
- 4. Fertigation:** Incorporate 800 gms to 1 kg/ha of EcoN-Fix into your fertigation system to deliver precise nitrogen application through irrigation, promoting efficient nutrient uptake and crop development.
- 5. Foliar:** Apply 800 gms to 1 kg/ha of EcoN-Fix in a sufficient amount of water to ensure thorough coverage of foliage. This foliar application method enhances nutrient absorption and supports overall plant health.

METHOD OF APPLICATION:

- 1. Seed Dressing:** Apply EcoN-Fix as a seed dressing product by coating seeds before planting to establish a beneficial microbial environment and promote nitrogen fixation from the early stages of plant growth.
- 2. Soil Inoculation:** Incorporate EcoN-Fix into the soil during planting or transplanting to introduce nitrogen-fixing bacteria, enriching the soil with nitrogen and fostering healthy root development.

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