

BIOFIX SL

(NATURE'S NITROGEN POWERHOUSE)

INTRODUCTION:

BioFix SL a premium biofertilizer enriched with a specially selected strain of *Paenibacillus durus*, a naturally occurring facultative anaerobic bacteria. With its ability to fix up to 50 kg/Ha of nitrogen, BioFix SL revolutionizes agricultural practices, offering enhanced crop nutrition and sustainable soil management for superior yields and healthier crops.

COMPOSITION:

Component	Content (% v/v)
<i>Paenibacillus durus</i>	: 1x 10 ⁹ CFu/ml
Adjuvants	: Q.S. to make

KEY FEATURES:

- 1. Nitrogen-Fixing Powerhouse:** BioFix SL utilizes the nitrogen-fixing abilities of *Paenibacillus durus* 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, BioFix SL adapts to various cropping systems, providing flexible and effective nitrogen supplementation for crops.
- 3. Soil Health Enhancement:** By introducing beneficial bacteria into the soil, BioFix SL 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, BioFix SL 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, BioFix SL enhances crop yield potential, resulting in higher productivity and profitability for farmers.
- 3. Enhanced Plant Nutrition:** BioFix SL 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 ml/ha of BioFix SL 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 ltr/ha of BioFix SL 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 ml to 1 ltr/ha of BioFix SL across the entire field to provide comprehensive nitrogen supplementation for all crops.
4. **Fertigation:** Incorporate 800 ml to 1 ltr/ha of BioFix SL into your fertigation system to deliver precise nitrogen application through irrigation, promoting efficient nutrient uptake and crop development.
5. **Foliar:** Apply 800 ml to 1 ltr/ha of BioFix SL 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 BioFix SL 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 BioFix SL 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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