

BIOFIX SP

(NATURE'S NITROGEN POWERHOUSE)

INTRODUCTION:

BioFix SP 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 SP revolutionizes agricultural practices, offering enhanced crop nutrition and sustainable soil management for superior yields and healthier crops.

COMPOSITION:

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

KEY FEATURES:

- 1. Nitrogen-Fixing Powerhouse:** BioFix SP 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 SP 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 SP 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 SP 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 SP enhances crop yield potential, resulting in higher productivity and profitability for farmers.
- 3. Enhanced Plant Nutrition:** BioFix SP 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 BioFix SP 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 BioFix SP 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 BioFix SP across the entire field to provide comprehensive nitrogen supplementation for all crops.
- 4. Fertigation:** Incorporate 800 gms to 1 kg/ha of BioFix SP 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 BioFix SP 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 SP 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 SP into the soil during planting or transplanting to introduce nitrogen-fixing bacteria, enriching the soil with nitrogen and fostering healthy root development.

Disclaimer

1. Accuracy and Liability: The information provided in this technical bulletin is believed to be accurate and reliable. It is offered solely as a guide for handling this specific material. However, the uses of this product may vary, and unforeseen situations may arise. No warranty of any kind, either expressed or implied, is given, and Parallax AG LLC will not be liable for any damages, losses, injuries, or consequential damages resulting from the use of or reliance on any information contained herein. For a complete evaluation of this product, please read the entire Material Safety Data Sheet (MSDS) and label. The information provided relates specifically to the designated product and may not be valid if the product is used in combination with other materials or in any process. Parallax AG LLC expressly disclaims any and all liability for any results obtained from the use of the product or reliance on such information.

2. Intellectual Property Rights: Parallax AG LLC respects and adheres to rules, regulations, and laws designed to protect intellectual property rights, including patents. This bulletin may contain information about products that may be protected in some countries or territories. It is the sole responsibility of the importer to check for any existing intellectual property rights or patents for the product in question. Parallax AG LLC Pvt Ltd will bear no liability for any violations of such rights.

This document is the property of Parallax AG LLC, USA.

Document No. PAG.24. BI. 1008

Date of issue: 15.04.2024