

Spectrum NFB – Nitrogen Fixing Biological Soil Inoculant



TAINIO
BIOLOGICALS, INC.

BFMS® Biological Farm Management System™

SPECTRUM NFB™

Nitrogen Fixing Biological Soil Inoculant

CONTAINS NON-PLANT FOOD INGREDIENTS

Live beneficial soil microbes of the following types and minimum numbers of colony forming units (CFUs) per gram:

Arthrobacter globiformis 1X10⁶; *Azospirillum brasilense* 1X10⁷; *A. lipoferum* 1X10⁶; *Azotobacter chroococcum* 1X10⁶; *A. paspali* 1X10⁵; *A. vinelandii* 1X10⁶; *Bacillus amyloliquefaciens* 1X10⁶; *B. atrophaeus* 1X10⁶; *B. licheniformis* 1X10⁶; *B. megaterium* 1X10⁶; *B. pumilus* 1X10⁶; *B. subtilis* 1X10⁶; *B. thuringiensis* 1X10⁶; *Brevibacillus brevis* 1X10⁶; *Micrococcus luteus* 1X10⁶; *Pseudomonas fluorescens* 1X10⁵; *P. putida* 1X10⁶; *Rhodopseudomonas palustris* 1X10⁶; *Rhodospirillum rubrum* 1X10⁶; *Streptomyces griseus* 1X10⁶

99.99% Inert carrier ingredients

APPLICATION

Apply at a rate of **75 grams (2.65 oz) per acre**. Spectrum NFB is designed for subsurface application; however, it may be sprayed on ground surface if soil incorporation is done immediately. May be applied to the soil by aerial spraying, ground sprayer, shanked in with fertilizer liquids, by furrow or flood irrigation, hand lines or center pivot sprinkler systems, or sprinkler or drip irrigation.

Protect microbes from U.V. damage by incorporating immediately, or applying with a humic acid product.

To Avoid Plugging: Premix in water before adding to spray tank.

Caution:

- Keep out of reach of children and pets.
- Do not swallow.

Contains live soil microbes:

- Store below 80° F.; do not freeze.
- Keep out of direct sunlight.
- Color and density may vary.
- Mix with non-chlorinated water.

Manufactured & Guaranteed by

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Net weight: ____ grams (____ oz) Treats: ____ acre(s) Lot: ____ Exp. Date: ____

Introducing Spectrum NFB

Nitrogen is a critical component of plant growth and health. Nitrogen deficiencies lead to poor crop quality and poor yield, and the converse, nitrogen excesses, can lead to soil and water quality degradation, loss of organic matter, and other environmental and agricultural issues.

The atmosphere is 78% nitrogen, so why do we not utilize more of this resource for plant growth? The answer is access. Atmospheric nitrogen is not in a form that can be used by plants. This is where nitrogen fixing bacteria (NFB) come to the aid of the plant (and grower).

Beyond legumes and the nodules that house rhizobia, another type of NFB exist; Free Living NFB. These are organisms that work with all plant types and not just legumes. This unlocks the atmospheric potential around us into a plant usable form.

Spectrum NFB combines the powerful benefits of these robust nitrogen fixing organisms, with the full array of plant growth promoting rhizobacteria (PGPR) that you have already come to rely on from Spectrum, in one easy to use package.

Recommended application rate: 75 grams per acre

Disclaimer: All products are for Agricultural use only. By your purchase of this product(s) you agree to only use the product(s) in strict compliance with the instructions of use on the product label and recognize that Tainio Biologicals, Inc. is not liable in any manner for any off label use.

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