

- Specification Sheet -**BIONEM-S**

Bionem-S is a soil activator in a water-soluble powder form containing beneficial soil microorganisms which aid in the breakdown of the organic matter and the creation of optimal growing conditions for the roots.

PROPERTIES AND USES:

- Increases the resistance of plants against stress caused by biotic factors that affect the root.
- Improves the soil conditions for the growth of productive and healthy plants.
- Promotes the beneficial microbial soil population.
- Enhances the action of the beneficial microorganisms that already exist in the soil.
- Improves the biological structure of the soil.
- Is an ecological formulation that does not unsettle the ecosystem's balance.
- Does not contain pathogens since it is being manufactured under sterile conditions.

APPLICATION:

Bionem-S is used after it has been dissolved in a suitable fungi-growing solution (e.g. FUNGI-FOOD) as to activate the microbial population. Apply the entire content of the envelope in a single application.

Instruction: Dissolve 20 g BIONEM-S in 1 liter of the liquid fungi-growing solution FUNGI-FOOD and leave it for 2 hours at room temperature 20-25 °C agitating at frequent intervals. Then apply the solution in the tank and water or drench near the roots.

Note: Due to the fact that the powder may have stuck in the walls of the envelope, you must be careful during emptying the envelope as to use the entire microbial content of the product.

Application Rate: Generally it is applied at the following application rate.

Application through the irrigation system: 100 g per ha.

Application directly to the soil: 100 g per ha mixed with 500 kg of organic manure. Initially the product is sprayed on the manure, then the manure is being spread and incorporated mechanically (hoeing) in the soil.

STANDARD ANALYSIS

Beneficial soil microorganisms
Organic nitrogen

(w/w)
5 x 10¹⁰ cfu* /g
7.50%

PHYSICAL PROPERTIES:

Appearance:	Water soluble powder
Solubility:	100% water soluble
pH:	6.0-7.0