

BIONEM is a liquid soil amendment containing beneficial soil microorganisms (1×10^{12} cfu/l - colony forming units per l) which aid in the degradation of the organic matter and the creation of optimal conditions for the growth of the root system. In parallel, the liquid substrate of **BIONEM** contains various substances (polysaccharides, oligosaccharides, amino acids, trace elements and macro-nutrients) which improve the physicochemical properties of the soil, increase its fertility and obtain high yield crops.

BENEFITS

- Ø Increases the beneficial microbial population of the soil.
- Ø Enhances the action of the beneficial microorganisms that already exist in the soil.
- Ø Improves the biological structure of the soil.
- Ø Increases the water retention capacity of the plants.
- Ø Increases the cation exchange capacity.
- Ø Allows a better aeration of the soil.
- Ø Is an ecological formulation that does not unsettle the ecosystem's balance and does not pollute the environment.
- Ø Does not contain pathogens since it is manufactured under sterile conditions.

STORAGE

In order to ensure a high level of efficiency, the product should be stored at normal room conditions. IT MUST NOT FREEZE. Keep out of direct sun light and far from any heat source so as to prevent overheating. After use do not allow the lid open. Empty containers should not be reused.

PRECAUTIONS

In case of contact with skin or clothes, wash your skin thoroughly with water and soap. In case of contact with eyes, flush with plenty of water. Get medical attention if irritation persists.

KEEP OUT OF THE REACH OF CHILDREN

BIONEM

Liquid Soil Amendment

Standard Analysis

Beneficial microorganisms $>1 \times 10^{12}$ cfu*/lt

Manganese (Mn) 0,1 %

*cfu: colony forming units



bio
Approved for use
in organic agriculture

Net Content: 1 l

Produced by



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APPLICATION

It is applied before planting or preferably during planting and at the stage of emergence or right after transplanting. It can be drenched around the root zone but it has to be incorporated in the soil either mechanically (by hoeing) or by watering the plants right after the application. **BIONEM** can also be applied through the irrigation/fertilization system.

RECOMMENDED CROPS

BIONEM can be applied on vegetables, herbs and aromatic plants, peanuts, ornamentals, lawn, fruit crops as well as tuberous crops.

APPLICATION FREQUENCY

The application frequency depends on the condition of the soil and the crop. In case of infertile or washed-out soils (or after intensive cropping) several applications are recommended (every 15-25 days). When applications begin from the initial stages of the plant growth, plants are more vigorous in the critical growth periods which results in higher and better harvested yields.

APPLICATION RATES

Application through the irrigation system: 5 l/ha dissolved in the water at a ratio of 1:100.

Application directly to the soil: 5 l/ha mixed with 500 kg of organic manure. Initially the product is sprayed on the manure and then the manure is spread and incorporated mechanically (hoeing) in the soil.

COMPATIBILITY

BIONEM must NOT be mixed with fungicides. For this reason it must be applied carefully. Mixing **BIONEM** with fungicides in the tank is prohibited. In any case it is recommended to avoid the applications of fungicides in the soil for at least 15 days before or after the application of **BIONEM**.

Approved for use in organic agriculture according to Reg. (EC) 889/2008: Annex I; (Micronutrients, Microorganisms). Restriction: Micronutrient deficiency must be documented by testing or competent professional award.