

MICROBIAL INOCULANT & NATURAL ROOTING BIOSTIMULANT

Rizobac

NPK 0,5 - 1 - 3

Contains beneficial soil microorganisms in a population
of 1×10^{11} cfu (colony forming units) per liter



Net Content
250 cc

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USE-APPLICATION RATES

Tomato, Eggplant, Pepper, Cucumber: Greenhouse: 5-10 l/ha. Open field: 2.5-5 l/ha. Apply right after transplanting with the first watering. Repeat every 2-4 weeks.

Watermelon, Melon, Leafy vegetables, Legumes, Aromatic plants: 1.5-3 l/ha at sowing or at transplanting or right after transplanting. Repeat every 2-3 weeks.

Trees, Vineyard, Ornamental plants: 2.5-5 l/ha 2-3 times per year by watering around the root zone. For new plants apply 5 l/ha right after transplanting.

Nursery beds: 100-200 ml/100 l of water.

Nurseries: 0.5-1 l/1,000 l of water. Apply by watering. Repeat every 15 days.

Lawn: 5-10 l/ha. Repeat every 3-4 weeks.

Hydroponics: 0.5 l/1,000 l of water by injecting through the system. Replenish with 200 ml/1,000 l of water every time water is added in the network.

Foliar sprays: 1 l/1,000 l of water.

MIXING INSTRUCTIONS AND COMPATIBILITY: *Rizobac* can be mixed with fertilizers, fungicides and other chemical products. Read and follow the mixing instructions written on the label of the chemical products. Apply all of tank mix solution in the same day. It must NOT be mixed with bactericides or soil disinfectants. *Rizobac* must be applied after soil disinfection. Apply 48 hours after the application of any bactericide or soil disinfectant. It must NOT be mixed with products that contain any type of hyperoxide. Apply *Rizobac* 24 hours after the application of such products. *Rizobac* is not phytotoxic.

STORAGE: The product should be stored at normal room conditions. IT MUST NOT FREEZE. Keep it out of direct sun light or any heat source. After use do not allow the lid open. Empty containers should not be reused. Keep out of reach of children.

CAUTION: In case of contact with skin or clothes, wash thoroughly your skin with water and soap. In case of contact with eyes, flush with plenty of water. If irritation remains, contact medical help.

SHAKE WELL BEFORE ANY USE

Rizobac is a microbial inoculant containing beneficial soil bacteria that occur naturally in the soil. Most of these bacteria have the capacity to form spores (gram-positive). Science has documented but it is also field proven that the specific species of the bacteria which are contained in *Rizobac* create an excellent soil environment that promotes the development of the root system, contributes to a better plant nutrition and fortifies plants resistance against stress caused by various environmental and biotic factors.

Furthermore, *Rizobac* contains natural growth regulators (cytokinins, auxins, gibberellins, betaines), amino acids, monosaccharides, oligosaccharides, polysaccharides, vitamins (including B12, B2 and C), micronutrients, humic acids, fulvic acids and oils.

The rich in plant nutrients substrate of *Rizobac* enhances the root system, fortifies rooting and the rapid establishment of the transplanting crops in the soil. Also it increases the root penetration and expansion in all crops.

Properties as a rooting stimulant

Ideal rooting medium for all types of plantlets - Ensures the quick and safe establishment of all transplanting crops in the soil - Improves the physicochemical properties of the soil and increases the root penetration even in concrete soils, while at the same time it contributes to the better aeration of the soil - Supplements the organic matter of the soil which is consumed due to intensive cropping - Enhances the cation exchange capacity of the roots - Stimulates the cellular divisions of the root tissue (mitosis) that result in the rapid growth of the root.

Properties as a microbial solution

Enriches the soil with beneficial bacteria that live either free or in symbiosis with the plant roots and secrete substances which promote both the growth of the root system and the health of the plants - Eliminates the entry gates of the soil pathogens in the root system (mainly fungi) - Increases the Nitrogen (N) in the soil and also increases the availability of the soil nutrients and micronutrients to the plants - Improves the biological structure of the soil creating an ideal environment for the growth of vigorous and high yield crops - Contributes to the growth of highly productive plants with great resistant capacity to the soil plant pathogens.