

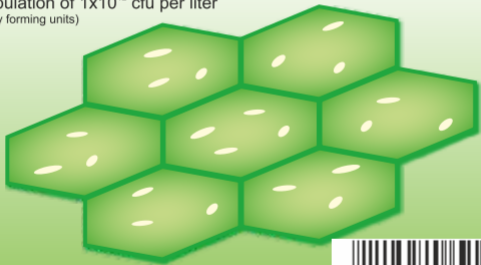
Microbial Growth Biostimulant

NitroStim



It contains leaf-endophytic nitrogen-fixing bacteria
at a population of 1×10^{12} cfu per liter
(cfu: colony forming units)

bio
Approved
for use
in organic
agriculture



Produced by

HUMOFERT



Net Content

1 L

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SYNTHESIS

Beneficial bacteria..... 1x10¹² cfu*/L
Manganese (Mn) 0,1 %
pH 7,1 - Conductivity: 300 mS/cm - Salinity: 0,1 ppt

*cfu:colony forming units

NitroStim is a microbial solution which stimulates plants growth thanks to the activity of specific beneficial nitrogen fixing bacteria, which are capable of penetrating into the above-ground plants parts (phyllosphere) and of becoming endofytes. Nitrogen fixing phyllosphere endofytes fix atmospheric nitrogen and convert it into a readily assimilable by plants form, ensuring a fast, vivid and balanced growth.

PROPERTIES

- It contributes to the fast and stable growth of cultures in 3 ways:
 1. By providing constantly readily available nitrogen via nitrogen fixation
 2. By producing phytohormones (eg auxines)
 3. By increasing the uptake of nutrients by leafage
- It enforces plants against unfavourable environmental factors, such as drought, salinity etc.
- It increases plants resistance against biotic stress factors.
- It limits nitrogen fertilizers use.
- It contributes to the reduction of environmental pollution with nitric salts from the application of chemical fertilizers.
- It increases crops yields.

COMPATIBILITY

It is NOT compatible with bacteriocides and copper products. Apply 4-5 days before or after bacteriocides or copper products application. It is NOT combined with products with a very acidic or alkaline pH. It is recommended to avoid mixing it with chemical fertilizers.

STORAGE

The product should be stored in room conditions or in the refrigerator. IT SHOULD NOT FREEZE. Keep it out of direct solar radiation as well as of any source of heat. The package should be tightly closed in case there is product left in it. After use do not leave the lid open. Empty bottles should not be reused. Keep it out of the reach of children.

PRECAUTIONS

In case it is dropped on skin or clothes, wash your skin well with soap and water. In case it is dropped in the eyes rinse off with plenty of water. If the irritation persists seek medical advice.

APPLICATION METHOD

It is suitable for all cultures. It is applied by foliar spraying at the initial growth stages of cultures or whenever growth stimulation is required, after dilution in the appropriate volume of water. Dilution proportion should not exceed 5%. It is recommended to apply **NitroStim** with a wetting/ adhesive agent for better results. Apply within 24 hours after diluting the product.

APPLICATION TIME-RATES

Wheat, Barley, Oat, Rye, Hop: At 10-20 cm of growth at a rate of 1.5-5 L per he. **Maize:** At the stage of 15-20 cm at a rate of 2.5-5 L per he. **Cotton:** 30-40 days after sawing at a rate of 2.5-5 L per he. **Rice:** At 15-20 cm of growth at a rate of 1.5-5 L per he. **Alfalfa, Clover, Fodders:** When there is adequate leafage to absorb the spray at a rate of 2.5-5 L per he. **Strawberry:** When there is adequate leafage to absorb the spray at a rate of 5-10 L per he. **Tomato, Cucumber, Pepper, Aubergine, Courgette, Melon, Watermelon:** At 15-20 cm of growth and when growth stimulation is required at a rate of 2.5-5 L per he. **Bean, Pea, Lentil:** At the stage of the first 4 real leaves at a rate of 2.5-5 L per he. **Broccoli, Cauliflower, Lettuce, Cabbage:** At the stage of the first 4-6 real leaves at a rate of 1.5-5 L per he. **Potato, Carrot, Onion, Leek, Radish:** At 10-15 cm of growth at a rate of 1.5-5 L per he. **Endive, Chicorium:** At the stage of the first 4 real leaves at a rate of 1.5-5 L per he. **Evergreen trees:** At the start-up of new vegetation at a rate of 5-10 L per he. Repetition before flowering. **Deciduous trees:** As soon as the first leaves are fully grown at a rate of 5-10 L per acre. Repetition when the whole foliage is fully grown. **Vine:** As soon as the first leaves are fully grown at a rate of 5-10 L per he. Repetition when the shoot is 45-60 cm long. **Medicinal herbs:** At the initial growth stages of the crop at a rate of 2.5-5 L per he. **Blue-grass, Urban green:** Apply 2-3 times per year when there is adequate leaf surface to absorb the spray at a rate of 50-100 ml per 100 square metres. **Ornamental plants and bushes:** Apply 2-3 times per year when there is adequate leaf surface to absorb the spray at a rate of 250-500 ml per 100 litres water.

SHAKE WELL BEFORE EACH USE

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.