

- Specification Sheet -

NITROSTIM

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 AND USES:

- 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.

APPLICATION:

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

Foliar application: 1.5-10 l/ha

STANDARD ANALYSIS

Beneficial soil bacteria 1×10^{12} cfu*/l (cfu: colony forming units)

PHYSICAL PROPERTIES:

Appearance: Colourless liquid
Density: $1,0 \text{ g/cm}^3$
pH: 6,9-7,1