

# NITROSOLID

January 2025

## Characteristics of the preparation

Atmospheric nitrogen fixation

## Product type

Biofertilisation. Microbiological fertiliser product.

## What plants can this preparation be used on?

All

## What is NITROSOLID?

NitroSolid is an ecological preparation supporting the fixation of atmospheric nitrogen.

## The task of preparation

Increasing the amount of nitrogen in the soil, reducing doses of nitrogen fertilisers, reducing fertilisation costs.

## How to apply the preparation?

Dissolve the product in 200-400 litres of water in a sprayer and then apply it to an area of 1 ha. It is recommended to mix it with the soil by harrowing or other soil cultivation.

## When to use the preparation?

It is best to apply before sowing or in the early stages of plant vegetation.

## Description of the process after using the preparation

After application, the bacteria contained in the product, fix the atmospheric nitrogen, converting it to ammonium nitrogen and release it into the soil. In addition, the bacteria will continue to multiply in the soil, which significantly increases effectiveness over time.

## Expected effect of application

Greater yields or preserved yields while reducing nitrogen fertilisation. In the case of plants with low nitrogen requirements, fertilisation with artificial fertilisers can be completely eliminated (oats, millet).

## **When the expected effect will occur**

The effects are observed a few months after use.

## **Risks and contraindications of use of the preparation**

After application, plants should not be intensively fertilised with nitrogen.

## **Using the preparation with traditional fertilisers – recommendations**

It can be combined with other fertilisers and plant protection products, except those containing copper.

## **Economics of use - impact on reducing production costs, e.g. lower amount of fertilisers**

It allows you to reduce or even eliminate nitrogen fertilisation.

## **Storage (storage conditions)**

Store in a dry place at a temperature of -5 to +30 degrees Celsius (-23°F to 86°F), avoid direct sunlight, protect from unauthorised persons, especially children.

## **Expiration date of the preparation**

2 years from the production date.

## **Composition of the preparation**

The product contains two strains of Bacillus bacteria and Azotobacter Vinnelandi bacteria (concentration  $3 \times 10^9$ ). All microorganisms in the preparation have the ability to bind atmospheric nitrogen. The nitrogen fixation efficiency is up to 50 kg N/ha/year, depending on the prevailing conditions. The product allows you to reduce the use of nitrogen fertilisers. The product is completely safe for humans and animals.

## **Other relevant information**

The product is completely safe for humans and animals, approved for use in organic farming.