Растителна защита
електронно списание за растителна защита
семена, торове и земеделие
ISSN 2815-522X

How will you solve the problem of the shortage of expensive nitrogen fertilizers in wheat? (Part 1)

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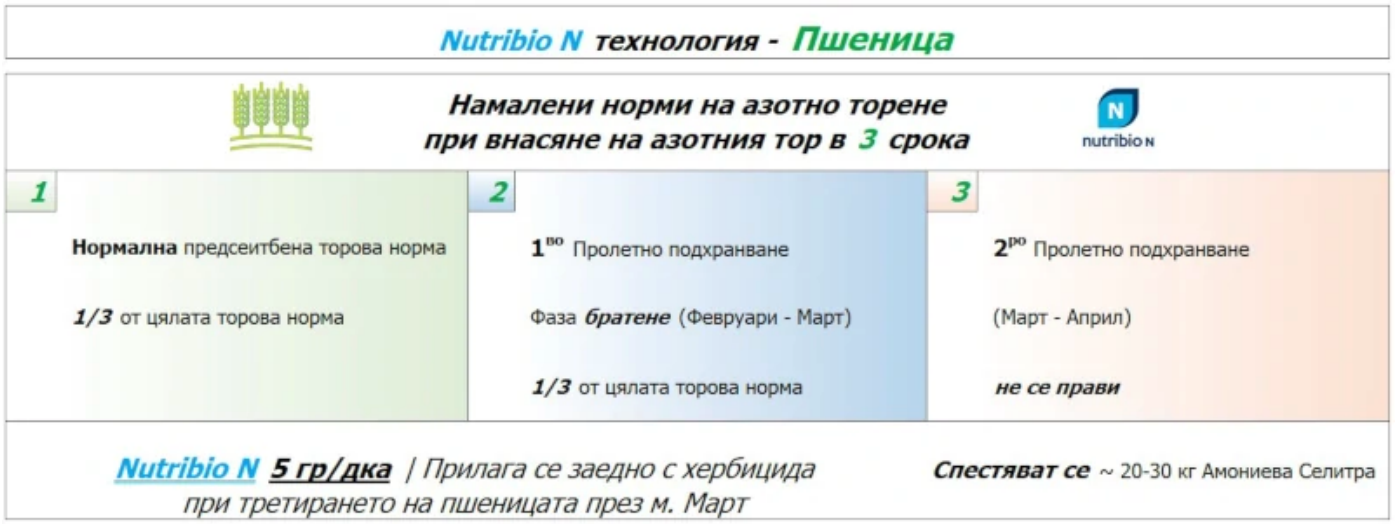
Дата: 05.12.2021 *Брой:* 12/2021

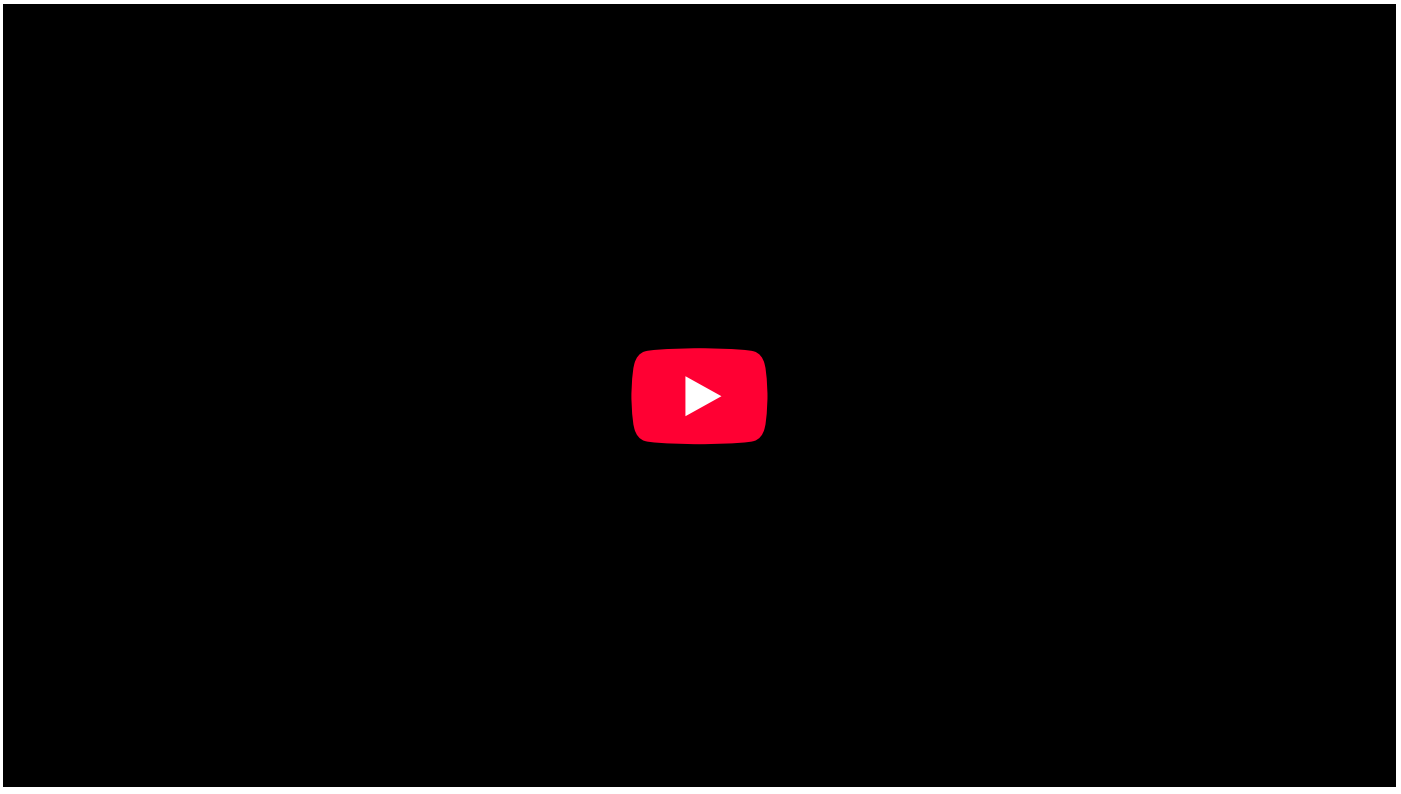
Every year, various types of nitrogen-containing mineral fertilizers are used in agriculture. In recent years, we have been witnessing increasingly restrictive measures being taken on a global scale to reduce greenhouse gas emissions, as well as to reduce the application of pesticides and fertilizers.

In addition to the obligation to comply with the measures under the climate strategy “Green Deal”, farmers are also faced with the question of how they will solve the problem of the shortage of expensive nitrogen fertilizers in wheat?

We already have an answer and a ready solution: **Nutribio N** – a unique organic microbial foliar fertilizer, developed on the basis of mycorrhizal fungi, nitrogen-fixing bacteria (*CERES Azotobacter salinestris*) and others, which promotes plant growth and improves nutrient use efficiency. The bacteria in the product remain alive for 4 years thanks to an innovative bacterial drying technology. **Nutribio N** is suitable for use in both conventional and organic farming.



In the following video material you can see shared experience from Italy with Nutribio N



** Translation of the material from Italian*

Nutribio N – The revolution in conventional and organic fertilization

How can we replace 200 kg of fertilizer with 50 grams of nitrogen-fixing bacteria?

The product **Nutribio N** is developed on the basis of mycorrhizal fungi, nitrogen-fixing bacteria and others. It is suitable for use in both conventional and organic farming. We have specific field trials in which different technologies are compared. These trials were carried out in order to meet the new requirements of the market. We have compared traditional fertilization techniques, i.e. mineral fertilization for maintaining the phytosanitary profile of the plant, with techniques that have minimal negative impact on the environment. Nitrogen-fixing microorganisms maintain 35–40 percent of the full nitrogen fertilization rate of the crop during the vegetation period.

Nutribio N enables the supply of about one third of the nitrogen required by the crops by fixing it from the atmosphere directly in the plant. Thanks to the four bacteria it contains, atmospheric nitrogen is fixed in the plant both through the leaf mass and through the root system.

Nutribio N is used at a rate of 50 grams per hectare.

In conventional farming it is applied in combination with a herbicide, while in organic farming it is applied at the tillering stage. It is applied using standard ground equipment, with an application rate of 50 grams per hectare. Did you understand correctly? Only 50 grams per hectare to supply one third of the nitrogen required by the plant. Just imagine the logistics – 50 grams per hectare instead of 150–200 kilograms to be transported and the associated application costs.

Nutribio N is truly a revolution in both conventional and organic farming!

The trial was conducted in 2019 and was presented to farmers from Northern Italy.

ISSN 2815-522X

Stay tuned for the continuation of the article (Part II) coming soon!

For more information: https://www.mediplusr.com/nutribio-n/