Why is seed treatment important?

Растителна Защита

Date 15.09.2025 | **Issue** 9/2025 | **ISSN** 2815-522X | **Language** EN
www.plant-protection.com/article/2301?lang=en



With the arrival of autumn, farmers face one of the most important stages in their work – autumn sowing. The preparation of seeds and their disinfection is a crucial step for a good start to the new harvest.



Why is seed disinfection important?

Disinfection is a key measure that protects plants even in their earliest stages of development. If seeds are of high quality and have undergone proper treatment, young plants show better adaptability to stressful and unfavorable conditions. Otherwise, the risk of disease infection is high, especially when meteorological conditions are increasingly unpredictable and lead to an increase in the infectious background.

Given the extremely aggressive proliferation of soil-borne and seed-borne phytopathogens in recent years, the process of disinfecting agricultural crop seeds has become a mandatory practice for farmers.

Seeds infected with phytopathogens lose or reduce their sowing performance, which leads to yield loss or the production of low-quality produce from newly established crops. Therefore, ensuring healthy and disease-free crops and planting material is one of the main goals of modern production, thanks to which yields can be increased by up to 20%.

Of great importance for reducing a number of seed-borne diseases in winter cereal crops is the quality treatment of seeds against Fusarium root rot, common and loose smut in wheat, stripe disease and net blotch in barley, etc.

Syngenta offers the highest quality disinfection products on the Bulgarian market, which help achieve top results and utilize the full potential of seeds.



Vibrance Duo is a systemic fungicide, with a latest-generation SDHI molecule, for cereal crops with systemic and long-lasting protective action against seed-borne diseases and soil pathogens causing seed and seedling rot and death.

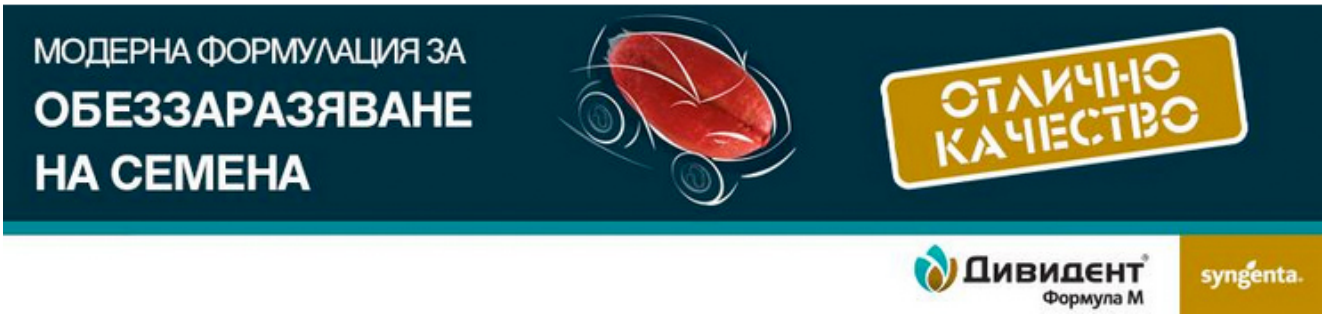
Vibrance Duo is proven to contribute to the excellent development of a more powerful root system, thanks to its vigor effect, which, together with excellent control of Fusarium root rot, Smut, Septoria, and other diseases, contributes to the excellent preservation of yield potential. In addition, the crop's start and development are optimal, moisture and nutrient uptake is better, and resistance to various stress factors is enhanced.



Maxim Extra has an exceptionally broad spectrum of controlled diseases and very high control efficacy against Snow Mold (Monographella nivalis) and Fusarium (Fusarium spp).

Maxim Extra provides powerful protection for cereal plants until emergence against all economically important soil-borne and seed-borne phytopathogens and reduces losses, ensuring a healthy and well-established crop.

Maxim Extra has a flexible application rate according to upcoming climatic and phytopathogenic conditions.



Divident Formula M is a modern seed treatment formulation with a broad spectrum of controlled seed-borne and soil-borne pathogens.

Practical advantages of the new FORMULA M formulation:

ISSN 2815-522X

- New water-based formulation
- Improved seed surface coverage
- Intensive coloring of treated seeds
- Increased seed treatment productivity per unit of time
- Can be used with less water during treatment
- Reduced treatment costs
- Improved ecotoxicological characteristics
- Reduced dust emissions, thanks to the integrated Formula M
- Increased safety for the operator
- Approved for use in wheat, rye against the most important seed-borne diseases
- Controls disease pathogens on the seed surface, inside them, and in the soil around the sown seed
- Treated seeds can be used for sowing in the following year (after germination analysis)
- Selective with a broad spectrum of action
- New improved easy-to-apply liquid formulation

For more information, see the Syngenta website https://www.syngenta.bg/rastitelna-zashtita/tretirane-na-semena