

Title: APPLICATION OF BIOPESTICIDES OF MICROBIAL ORIGIN AGAINST PHYTOPATOGENES

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Author/s: Sirbu Tamara; Moldovan Cristina; Turcan Olga; Bogdan-Golubi Nina; Slanina Valerina

Institution: Institute of Microbiology and Biotechnology of Technical University of Moldova
Category: G

Description: The use of exometabolites of *Bacillus velezensis* CNMN BB-12 and *Trichoderma atrobruneum* CNMN FD 25 strains contributes to the fight against phytopathogens of fungal and bacterial origin, exceeding the control by 25-50%.

- Purpose

- Use of *Bacillus velezensis* CNMN BB-12 and *Trichoderma atrobruneum* CNMN FD 25 strains as sources of bioactive substances with antimicrobial effect against phytopathogens.

- Solution

- The invention relates to agriculture; the use of *Bacillus velezensis* CNMN BB-12 and *Trichoderma atrobruneum* CNMN FD 25 strains as a source of bioactive substances for combat phytopathogens: *B. cinerea*, *Alt. alternata*, *A. niger*, *F. solani*, *F. oxysporum*, *C. michiganensis*, *E. carotovora*, *X. campestris*, *A. tumefaciens*. According to the invention, for combating phytopathogens,



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exometabolite solutions of the mentioned strains can be used for seeds treating before sowing, but also during the vegetative period of crop plants.

- Advantages

- *The use of exometabolites of *Bacillus velezensis* CNMN BB-12 and *Trichoderma atrobruneum* CNMN FD 25 strains contributes to the fight against phytopathogens of fungal and bacterial origin, exceeding the control by 25-50%.*

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State of development: research project, PhD thesis

Contact: tamara.sirbu@imb.utm.md

Presentation link: <https://imb.utm.md/>