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HR EXCELLENCE IN RESEARCH

PROCESS FOR TREATING WHEAT SEEDS BEFORE SOWING WHEAT

PATENT APPLICATION: MD 4662/2020.07.31

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APPLICATION FIELDS: Biotechnology.

AIM: Biological stimulation of wheat seed germination.

SOLUTION: The application of this process solves the problem of ensuring a high germination of wheat seeds, by applying ecological biostimulators obtained from the biomass of cyanophyte algae *Nostoc gelatinosum* Schousboe ex Bornet & Flahault and *Anabaena variabilis* Kützing ex Bornet & Flahault.



ADVANTAGES: Compared to the biological processes known at the moment, the application of this process ensures the germination of wheat seeds by 97.00-98.00% (or 2-3% more than the known biological processes) and increases the resistance of plants to environmental factors.

IMPLEMENTATION STAGE: The procedure is applied under laboratory conditions.