



Fertilizers production from cyanobacteria

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What we are looking for

We are looking for a suitable partner to enter into license deal/co-development partnership

What it is needed for?

The objective of this invention is to present a comprehensive and efficient procedure for manufacturing a nitrogen-based fertilizer on a large scale, involving a minimal number of steps and utilizing naturally available microorganisms. Specifically, Cyanobacteria belonging to the Anabaena genus were utilized in the creation of this patented natural nitrogen-based fertilizer.

The invention provides a method for acquiring a nitrogen fertilizer that proves effective in supplying plants with nutrients, fostering their growth, and enhancing soil fertility. Notably, this is achieved without the necessity for supplementary substances, especially chemically synthesized fertilizers. Such an approach enables effective soil and environmental management.

Advantages

- Sustainable and environmentally friendly process;
- Large-scale and high-yield production;
- Limited number of steps, starting from naturally-available microorganisms;
- Improvement of the fertility of the cultivation soil, without the need for further use of other substances.

Applications

- Crop fertilization;
- Soil management;
- Hydroponics;
- Sustainable agriculture and organic farming systems.

TRL scale

