



CMBioapp

cannabis microbes bioapplications



cmbioapp.com

Caring for cannabis from biology —

We combine our biological solutions and agronomic expertise providing you with tailored services that suit your application methods.





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Method —

CMBioapp obtains microorganisms capable of producing phytohormones and enzymes through bacterial fermentation applications. Microbials favor nutrition in the rhizosphere and protect against specific diseases that affect the *Cannabis sativa* L. plant.



Performance Characteristics —

- Enhances seedling and plant vigor and early stand establishment.
- Increases yields.
- Enhances biological activity with organisms.



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Bioapp Research Areas —

Optimum crop biostimulation and nutrition, increasing the yield and improving efficiency.

Natural bioprotection against diseases and biotic and abiotic stress conditions.

Activation of physiological and metabolic pathways that activate the synthesis of the desired bioactive compounds, such as cannabinoids and terpenes, increasing their concentration and quality.



CS feed

INDUSTRIAL

Quorum sensing —

Supports microbial activity in the rhizosphere

3 strains of PGPR bacteria *Rhizobium* spp, *Azotobacter* spp, and *Azospirillum* spp.

Selection of microorganisms.

Calibrated combination of PGP bacteria with invigorating action.

Obtainment of secondary metabolites.

Greater growth and uniformity of the crop.

Increased root development.



ST-9 seed

INDUSTRIAL

Seed immunity—

Stronger plant from the seed

Pseudomonas chlororhaphis ST9 Strain

Improves crop potential.
Boosts resistance to water stress.
Improves tolerance to salinity conditions.
Improves fertilizer and nutrient uptake efficiency.
Enhances photosynthetic activity and vigor.
CO2 sequestration and reduction of greenhouse gas emissions.
Shelf life of up to 12 months on seed.





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