Mico-Pro

MICROORGANISMS
For more resistant and productive crops

Supports plant health even under biotic stress conditions

Stimulates plant growth, promoting higher production

Provides microorganisms that optimize the metabolic processes of plants

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Mico-Pro

TWIN PACK

Characteristics

Mico-Pro is a microorganism-based product that, thanks to the innovative **MICO-SET®** technology, provides a targeted selection of beneficial microbial strains capable of acting synergistically to promote plant well-being and growth, even under stress conditions. In particular, the presence of various species of the *Bacillus* genus (*B. subtilis* OG39365*, *B. amyloliquefaciens* OG33450*, *B. pumilus* OG69589*, *B. velezensis* OG58369*, *B. megaterium* OG96536*) as well as *Trichoderma harzianum* OG99566* promotes the production of phytohormones, such as auxins, which stimulate root growth and improve the overall vegetative development of the plant. Furthermore, the *Bacillus* bacteria present in the consortium are particularly effective in optimizing the absorption of essential nutrients such as nitrogen, phosphorus, and potassium, enhancing the plant's nutritional efficiency. The **MICO-SET®** microbial consortium has, among other effects, the ability to hinder the development of harmful microorganisms, through the production of siderophores and bioactive molecules, and to induce the plant's systemic resistance (ISR/SAR), strengthening crop defences against biotic stress. Finally, thanks to the **TWIN PACK** formulation, the product's packaging includes a separate container for *Trichoderma harzianum* OG99566* to avoid unwanted competition with other microorganisms, which could reduce their effective concentration in the composition and, consequently, the product's effectiveness in the field.

Composition

	w/w (CFU/g)	w/v (CFU/ml)
Mycorrhizae (*Glomus* spp.)	30%	36%
Bacillus amyloliquefaciens OG33450*	1.67×10^6	2.00×10^6
Bacillus velezensis OG58369*	8.33×10^7	1.00×10^8
Trichoderma harzianum OG99566*	8.33×10^6	1.00×10^7

	w/w (CFU/g)	w/v (CFU/ml)
Bacillus subtilis OG39365*	8.33×10^7	1.00×10^8
Bacillus pumilus OG69589*	1.67×10^6	2.00×10^6
Bacillus megaterium OG96536*	1.67×10^6	2.00×10^6

Raw materials: inoculum of endomycorrhizal fungi on sorghum roots, non-composted simple plant amendment, rhizospheric bacteria.
*Exclusive strain isolated and deposited by Organazoto in an international microbial collection.

Doses and Instructions

CROPS	FOLIAR APPLICATION	DOSE ml/hl*
Horticultural crops	From the vegetative recovery stage or transplanting to harvest	150 - 200
Fruit trees	From the vegetative growth stage to harvest	150 - 200
Ornamentals	During the entire vegetative cycle	150 - 200
Industrial crops	From the vegetative recovery stage or transplanting to harvest	150 - 200

* The doses are indicative and should be adjusted based on the characteristics of the area and the specific needs of each crop.

Formulation	Packaging	Density (T=20°C)	pH (sol. 6 %)	Conductivity (sol. 10 %)
Soluble liquid	1-5 l	~ 1200 kg/m^3	~ 4	~ 1,8 dS/m

Warnings

It is recommended not to mix the product with chemical products in order to preserve its characteristics (it contains living organisms). Please store in sealed containers, in a cool, dry place, protected from light and heat (8°C < T < 25°C). Avoid contact with eyes and skin. Organazoto assumes no responsibility for improper storage and/or handling.

Technical Notes

FOLIAR APPLICATION

MICROORGANISMS

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