

Micro-Power

MICROORGANISMS

For stronger and healthier roots

Optimizes the photosynthetic process

Promotes better root development

Supports increased biomass production



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Micro-Power

Characteristics



Micro-Power is a product formulated to promote the development of a vigorous and functional root system capable of optimizing water and nutrient absorption, leading to increased production. Thanks to the exclusive **MICO-SET**® technology, characterized by a consortium of beneficial microorganisms, including rhizospheric bacteria and mycorrhizal fungi, the product actively stimulates root growth and creates a favourable environment for the plant by increasing nutrient availability and improving resistance to biotic stress. In particular, the exclusive microbial consortium promotes the release of natural phytohormones that regulate growth, stimulating the formation of more extensive roots with a higher number of root hairs. Moreover, the strains of *Bacillus polymyxa* OG22596*, *Bacillus pumilus* OG69589*, and *Bacillus velezensis* OG58369* not only support plant growth but also make nitrogen and phosphorus available for absorption. Additionally, they stimulate the production of secondary metabolites such as lipopeptides, enzymes, and siderophores, which enhance the plant's natural resistance, preventing the development of harmful microorganisms and improving overall plant health. Nitrogen-fixing microorganisms, *Azotobacter chroococcum* OG15342* and *Azospirillum brasilense* OG19325*, fix atmospheric nitrogen symbiotically, making it available to the plant, and transform phosphorus from insoluble forms into easily assimilable forms, thus contributing to optimal nutrition.

Composition

	w/w (CFU/g)	w/v (CFU/ml)		w/w (CFU/g)	w/v (CFU/ml)
Mycorrhizae (<i>Glomus</i> spp.)	10%	12%	<i>Bacillus polymyxa</i> OG22596*	2.50×10^7	3.00×10^7
<i>Azotobacter chroococcum</i> OG15342*	1.67×10^7	2.00×10^7	<i>Bacillus pumilus</i> OG69589*	8.33×10^7	1.00×10^8
<i>Azospirillum brasilense</i> OG19325*	8.33×10^7	1.00×10^8	<i>Bacillus velezensis</i> OG58369*	8.33×10^7	1.00×10^8

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	FERTIGATION APPLICATION	DOSE*
Horticultural crops	From the early development stages to the plant's thickening	3-5 l/ha
Fruit trees: - Production facilities - New installations	- From the restart of vegetative growth to the swelling of the fruit - After transplanting	3-5 l/ha
Soil and peat moss	Mixed	0.5 l/m ³ of substrate
In the nursery	By using the boom sprayer	0.5-1 l/1000 m ²

*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/m³

~ 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



FERTIGATION
APPLICATION



MICROORGANISMS



BIO

MICO-SET®



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