



MICROFORCE[®]

**PRODUCT WITH SPECIFIC ACTION
INOCULATION OF MYCORRHIZAL FUNGI**

ALLOWED IN ORGANIC FARMING

MICROFORCE is a product with a specific action consisting of an **inoculum of mycorrhizal fungi, Glomus intraradices (Rhizophagus irregularis)**, applied on a soil improver from bovine and equine manure with a high degree of humification, which synergistically stimulates the multiplication of inoculated microorganisms. The mycorrhizal fungi penetrate the roots and establish a mutualistic symbiosis with the plant by **amplifying**, with their hyphae, **its ability to absorb nutrients and water**. **MICROFORCE** is also enriched with **selected strains of growth promoting rhizobacteria (PGPR)** which **make the nutrients contained in the soil in forms not easily assimilated by the plant more available**, by producing enzymes, organic acids and siderophores. These microorganisms **stimulate the growth of the root system, its speed of development and expansion and have a beneficial action on the physical structure of the soil**.

MICROFORCE contains:

- **Azotobacter Salinestris and Vinelandii** able to **fix atmospheric nitrogen** and **make it available in usable forms by the plant**, stimulating root growth and the production of root hair;
- **Bacillus Megaterium** produces enzymes and organic acids **capable of solubilizing forms of phosphorus** otherwise not usable by the plant, siderophores that increase the **bioavailability of iron and zinc** and phytohormones for the growth of the root system;
- **Frauteria Aurantia** **improves the availability of potassium** contained in the soil, making it more assimilable by the plant together with the **microelements** present in the soil; it also exerts a stimulating action on the root system.

MICROFORCE revitalizes tired soils, poor in organic matter, allowing the reduction of fertilizers supply by exploiting the nutrients naturally present in the cultivation environment; it improves the resistance to stress and the initial development of the plant to the advantage of its productivity.



Packaging: Kg 25-500

Shape: Minipellets

Plants of UNIMER S.p.A.

Via Salaria, Km. 145
63096 ARQUATA DEL TRONTO (AP)
Approval Number
ABP 1177UFERT2

Via Roma, 120
31020 VIDOR (TV)
Approval Number
ABP 1193UFERT2

Manufactured by



Unimer S.p.A. - Via Paleocapa, 7 - 20121 Milano
**COMPANY WITH SYSTEM CERTIFIED BY DNV
ISO 9001**





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TYPE OF ORGANIC IMPROVER: Bovine and horse manure	
Content in mycorrhizae (<i>Glomus Intraradices</i>)	0,0002%
Content in rhizosphere bacteria (<i>Azotobacter Salinestrus</i> and <i>Vinelandii</i> , <i>Bacillus Megaterium</i> , <i>Frauteria Aurantia</i>)	1x10 ⁶ UFC/g

The product does not contain genetically modified organisms and pathogenic organisms (salmonella, fecal coliforms, aerobic mesophiles and nematode eggs)

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Raw material: inoculation of mycorrhizal fungi

DOSES BY CROPS		
Crop	Application across the board Dose Kg/ha	Localized application- pre-sowing/ transplanting Dose Kg/ha
Horticultural	1000 - 1500	500 - 600
Fruit trees	1000 - 1500	600 - 800 g/plant (*)
Strawberry	1000 - 1500	700 - 800
Viticulture and olive trees	800 - 1200	400 - 600 g/plant (*)

Corn and sorghum	800 - 1200	400 - 600
Industrial, oil and protein crops	800 - 1200	400 - 600
Wheat, rice and other cereals	500 - 1000	400 - 600
Beetroot and alfalfa	800 - 1200	400 - 600
Tobacco	1000 - 1500	500 - 600
Flower and ornamental crops and recreational lawns	1000 - 1500	-

(*) In localized applications in fruit growing, avoid putting the roots in direct contact with the concentrated product.

For the preparation of soil for repotting, carefully mix 5 kg per 100 liters of soil.

Reference guidelines for individual crops are purely illustrative and are changeable, in relation to the needs, the fertility levels and the provisions of various regulations.

It is recommended to place the product slightly underground to enhance the nutritional efficacy.

Store the product at ordinary temperatures and pressures, possibly away from the sun and heat sources.