



WITH NEW  
**MICROBIAL CONSORTIUM**  
FERTILITY BIOACTIVATOR

# MICROLIFE®

## SOIL IMPROVER MANURE FOR CERTIFIED ORGANIC FARMING

**MICROLIFE** is a high quality soil improver produced with bovine and equine manure with a high degree of humification, which represents the ideal substrate for the activation and multiplication of the microbial consortium of fungi and bacteria of the rhizosphere, added in its formulation to enrich the microbial load already naturally present in mature manure. The inoculum is composed of selected strains of **Azobacter Salinetris** and **Vinelandii**, **Trichoderma Harzianum**, **Bacillus Megaterium**, **Bacillus Subtilis** and **Frauteria Aurantia**. Thanks to the particular drying and freeze-drying technology adopted in its production, it is particularly stable and retains its vitality for long periods, reactivating quickly in the conditions of use. Bacteria of the genus **Azotobacter** fix atmospheric nitrogen making it available in forms usable by the plant and produce auxin substances that accelerate the growth and elongation of the roots. **Trichoderma Harzianum**, an antagonist fungus known for its beneficial root colonization function, produces enzymes and secondary metabolites that improve the availability of nutrients present in the soil and facilitate root absorption. The selected strains of **Bacillus Megaterium** and **Bacillus Subtilis** produce organic acids that favor the solubilization of the phosphate reserves present in the soil and increase the availability of metallic microelements such as iron and manganese, also through the production of natural protective and chelating substances (siderophores). **Frauteria Aurantia** increases the release of cations in the circulating solution, favoring the availability of potassium and microelements. All the microorganisms present in the consortium produce phytohormones that accelerate cell division, giving a strong boost to the growth of the root system and greatly improving its ability to absorb water and nutrients. Organic acids, enzymes and secondary metabolites, deriving from their biological activity, positively modify the chemical structure of humic and fulvic acids present in mature manure, increasing their bioreactivity. The synergistic action of the microbial consortium and manure with a high degree of humification makes **MICROLIFE** the ideal product to improve the physical-chemical characteristics of the soil and rebalance the microbiological activity of tired soils.



**Packaging:** 25-500 kg  
**Shape:** Minipellets

Manufactured by



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

Approval Number:  
Plant Vidor:  
ABP1193UFERT2  
ABP11930FSIPP2  
Plant of Arquata del Tronto:  
ABP1177UFERT2





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## SOIL IMPROVER MANURE

COMPOSITION	
Moisture	14%
Organic C	22%
Total Nitrogen	1%
C/N	22

### FOR CERTIFIED ORGANIC FARMING

- **Raw materials:** Dried manure not from factory farming.

DOSES BY CROP		
CROP	DOSE Kg/ha	USE
Horticultural	1300-2300	During soil preparation pre-sowing/transplanting
Fruit trees	1300-2300	At vegetative revival
	1500-2500	Pre-transplanting
Strawberry	1300-2300	Pre-transplanting
Viticulture and olive trees	1000-1300	During the crop cycle in autumn or spring
	1300-2300	Pre-transplanting

Flower and ornamental crops and recreational lawns	1500-2500	At vegetative revival
Tobacco	1000-1500	During soil preparation pre-sowing/transplanting
Corn and sorghum	800-1300	During the last pre-sowing operations
Wheat and other cereals	800-1300	During the last pre-sowing operations
Rice		
Industrial, oil and protein crops	800-1300	During the last pre-sowing operations
Beetroot and alfalfa	800-1300	During pre-sowing operations

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.

Unimer reserves the right to make any changes to the formulations.

MICROLIFE Rev 11 of 29/01/2025