UmiOrga

FERTIGATOR
That provides humic acids from Leonardite

Promotes root development through its auxin-like action

Improves soil structure and stimulates biological fertility

Enhances the availability and uptake of nutrients through the formation of complexes

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UmiOrga

Characteristics

UmiOrga is a product with a high content of humic acids extracted from Leonardite from North Dakota, a natural fossil carbon derived from the oxidation of Lignite. Thanks to its composition, it exerts a bioactivating effect and improves the chemical-physical and biological properties of the soil. **UmiOrga** stimulates soil microbial activity, with positive effects on biological fertility, and promotes the mobility and uptake of nutrients thanks to the strong ability of humic acids to form chelate-like complexes. This feature helps prevent nutrient leaching or immobilization, often caused by soil colloids, thus facilitating the mobilization of phosphorus, potassium, iron, calcium, and magnesium, while reducing nitrogen leaching. Its application enhances root development, also due to the natural presence of auxins, which stimulate root growth and branching, improving soil exploration and water and nutrient uptake. Thanks to its cation exchange capacity and ion mobility, **UmiOrga** contributes to better soil structure, softness and permeability, helps neutralize pH in alkaline soils, and reduces salinity, increasing crop tolerance to abiotic stress (drought, salinity, temperature fluctuations). Lastly, the supply of organic nitrogen and bioavailable meso and micronutrients supports crop nutritional requirements throughout all phenological stages.

Composition

	w/w*	w/v
Organic matter as it is	12,0%	12,8%
C/N ratio		75
Humified organic matter as a precentage of organic matter	80,0%	

	w/w*	w/v
Organic nitrogen (N) on dry matter	0,4%	0,4%
Organic matter on dry matter	60,0%	

Raw materials: humic extracts from Leonardite.
*Equivalent to p/v at 20°C.

Doses and Instructions

CROPS	FERTIGATION APPLICATION	DOSE l/ha*
Fruit trees	From pre-flowering to harvest	20-25
Horticultural crops	From post-transplant to full growth/fruiting	20-25
Ornamentals	From the early stages and throughout development	20-25
Industrial crops	From the early stages and throughout development	20-25

*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	1-5-10-20 l	~ 1063 kg/m^3	~ 12,0	~ 23,2 dS/m

Warnings

In case of mixture with other products, it is recommended to carry out preliminary miscibility and compatibility tests on a limited number of plants. Avoid mixing with products having an acidic pH. In fertigation, rinse with clean water before and after application.

Technical Notes

FERTIGATION APPLICATION

FERTIGATORS

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