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Organic Soil Improver 100% vegetal with action on the Soil

ALLOWED IN ORGANIC FARMING

SimbioSoil Plus is an organic soil improver of high quality, 100% vegetable and suitable for organic, regenerative or conservation agriculture.

The product is obtained through an exclusive biological transformation and stabilization process, which is carried out under controlled conditions, using virgin olive alperujo as raw material.

Our exclusive system of composting, allows the natural degradation of the oleic components and of the vegetal waters that are included in the alperujo, providing a product 100% natural, rich of organic substance, with classification "A" within the normative on the content of heavy metals and absences of pathogens.

It does not contain animal waste, is free of urban solid waste, antibiotics and synthetic compounds.

Advantages and actions

SimbioSoil Plus is a precious source of organic substance and provides a high degree of humification, regenerating and preserving the fertility of the substrate.

In the new substrates: it acts as a microbial activator, since these pass through a hygienization phase before going on the market, which makes them lose a large part of the microbiota.

In used substrates: it regenerates the microbial life lost by the leachates of the last phase of cultivation. It also restores humic and fulvic acids, creating an ideal medium for the evolution of the new crop.

SimbioSoil Plus contributes to a lower sensitivity of the plant towards stress and an improvement of its state of health, consequently it favors the synthesis and transfer of nutritious substances, improving the absorption of nutrients and allowing a greater initial vigor.

Composition

<i>Alperujo</i> virgin of composted olive (vegetable component) ...	97,6%
<i>Humidity</i>	21%
<i>Ph</i>	7,5
<i>Electric conductivity less tan</i>	3,8dS/m
<i>Carbon (C) Organic of biological origin on dry</i>	27%
<i>Carbon (C) humic and fulvic minimum on dry</i>	3,5%
<i>Nitrogen (N) Organic on dry</i>	1,5%
<i>Ratio C/N</i>	18
<i>Sodium (Na) total on dry</i>	0,1%
<i>Germination index greater than</i>	80%

Action Mechanism

After adding or mixing **SimbioSoil Plus**, the substrate is rapidly colonized by the microbial consortium:

- The bacteria of the rhizosphere, colonize the root system of plants, occupying optimal trophic spaces for multiplication.
- Lignocellulolytic microorganisms, after colonizing the organic plant matrix, work in association degrading the complex substrate to simpler molecules, synthesizing at the same time, together with the non-lignocellulolytic bacteria, biostimulating substances for the growth and vigor of the plants.

The microbial consortium works in degradative activity (degradation of phyto-toxic phenolic substances) and biosynthetic (synthesis of humic acids) with the various species that work in parallel and succession. The application of **SimbioSoil Plus** reactivates the biodiversity in the substrate and stimulates the growth of the plants.

Horticulture Technique: Organoleptic Crops

Cultivation / Use	Quantity	Application
Substrate New	Pot: 5-10gr/litro	We recommend applying near the roots during the transplant work. On land apply at the transplant site at 4-5 cm depth.
	Field: 300-400gr/m2	
Mothers	5-10gr/litre	Aerate the top of the substrate, apply SimbioSoil Plus and mix. Apply every 6 months.
Cuttings	Field: 250-350gr/m2	Apply near the roots during the transplant.
	Pot: 5gr/litre	
Recover or reuse substrates for new crops	Field: 400-500gr/m2 or plant	<i>Field:</i> Aerate without turning the upper layer of the ground and apply mixing at 3-5cm. Of the surface.
	Pot: 10-15gr/ litre	<i>Pots:</i> Remove the root balls and clean the roots of roots, apply half of the recommended dose, aerate and mix until homogeneous. Fill the pot and apply the rest of SimbioSoil Plus on top, burying. 2-3 cm
Unblocking of substrate with live plant	Field: 400-500gr/m2	Apply on the surface of the soil or pot, then we recommend removing and aerating the upper layer (2-3 cm) of the substrate.
	Pot: 10-15gr/litre	

Orchards and Flowers

Orchards.	Field: 400-500gr./m ²	<i>In the ground or elevated terrace:</i> At the time of the work of preparation of the land, before sowing or transplant, distribute by mixing in 3-5 cm of the surface layer.
	Pots: 10-15gr/litre	<i>Pot:</i> Mix with the growing substrate or apply in thin layers interspersed with the substrate.
Flowers	Field: 300-400gr/ m ²	<i>In the ground or elevated terrace:</i> Before sowing or transplant, at the time of the work of preparation of the land, distribute mixed with the surface layer.
	Pots: 5-10gr/litre	<i>Pot:</i> Mix with the growing substrate or apply in thin layers interspersed with the substrate.

Trees

Fruit Trees	Transplantation in the field 300-400gr/plant	<i>Transplantation in the field:</i> At the same time that the soil conditioning work is done, it is recommended to apply 400gr / tree of which 10-15% will be for the transplant hole.
	Transplant Potted 10-15gr/litre	<i>Transplant Potted:</i> Fill the pot with ¼ part of the substrate, remaining applies 10gr for each liter. Mix until the substrate is uniform and airy.
	Maintenance On- sit 300-400gr/litre	<i>Maintenance On- Sit:</i> Apply on top burying 3-5cm and aerating.
	Pot maintenance 5-10gr/litre	<i>Pot Maintenance:</i> Apply on top burying 3-5cm and aerating.

Compatibility

SimbioSoil Plus is compatible with fertilizers, bio-insecticides, and bio-fungicides. Avoid direct contact with biocidal products at the time of use.

Notes

SimbioSoil is a 100% vegetable and eco-compatible product, does not possess or transmit waste or odours to the plant and by this it can be destined to sensitive crops in terms of qualitative and organoleptic.