



AMENDANT - GERMAN LEONARDITE

Dalla natura... alla natura



HUMICUS[®] GR

ORGANIC SOIL CONDITIONER AND
BIOSTIMULANT BASED ON HUMIC
AND FULVIC EXTRACT



STRENGTHS

Provides stable humus to the soil and favors the capture of CO₂

- Improves the structure and aeration especially of sandy and clayey soils
- It increases the water and nutrient retention capacity of the soil
- Improves the buffering capacity of the soil
- Increases the effectiveness of fertilizers and crop productivity
- Neutralizes toxins and fixes heavy metals in the soil
- Promotes the development of the root system



PACKAGE

20 kg bag



CHEMICAL-PHYSICAL PROPERTIES

Formulation: **Granular**
Density: **0,6-0,7 kg/l**
pH (sol. 1%): **5-6± 1**
Granule size: **1-6 mm**



HUMICUS GR
Allowed
in organic farming

FEATURES

HUMICUS GR is a high-quality soil improver in granular form based on humic and **fulvic substances from leonardite**. It contains directly available nutritional humus and a high quantity of stable humus, which gradually decomposes under the action of soil microorganisms, thus generating a long-term increase in soil fertility.

Using **HUMICUS GR** as soil improver have positive effects on crop productivity and greater resistance to various stress factors (drought, salinity and residues), this is the result of its high **cation exchange capacity (CEC)**, its high buffering capacity and its high-water retention capacity. From its first application, positive effects can be observed on microbial activity, on the rhizosphere and on the soil structure.

HUMICUS GR can be applied in mixture with most fertilizers and other technical means that do not show high hygroscopicity.

DOSES AND METHOD OF USE

DOSES AND METHOD OF USE			SOIL APPLICATION
CROPS	LOCALIZED APPLICATION	BROADCAST APPLICATION	
GREENHOUSE HORTICULTURAL crops Leafy and fresh-cut vegetables	150 - 300 kg/ha (15-30 kg/1000 m ²)	200 - 400 kg/ha (20-40 kg/1000 m ²)	Distribute before harrowing operations by burying the product.
HORTICULTURAL IN THE OPEN FIELD	100 - 250 kg/ha (10-25 kg/1000 m ²)	200 - 450 kg/ha (20-45 kg/1000 m ²)	Distribute before harrowing operations by burying the product.
STRAWBERRY, SMALL FRUIT, POTATO, LEGUMES, LILIACEAE	150 - 300 kg/ha (15-30 kg/1000 m ²)	250 - 500 kg/ha (25-50 kg/1000 m ²)	Distribute before harrowing operations by burying the product.
FRUIT, VINE, KIWI, CITRUS, OLIVE	100 - 200 kg/ha	300 - 400 kg/ha	Localized distribution in band on the row for a width of about 2m. Bury the product after distribution.
TROPICAL CROPS: MANGO, BANANA, AVOCADO, PINEAPPLE, PITAHAYA, COCOA ...	150-250 kg/ha: small plant 300 g / plant medium plant 400 g / plant large plant 500 g / plant	300 - 400 kg/ha	
FRUIT TREES AND GRAPE VINES TRANSPLANTING	100 - 300 g/hole. Corresponding to 150-300 kg/ha distributed in bands on the rows	400 - 700 kg/ha	Broadcast distribution in soils poor in organic matter or following deep tillage. Bury the product with the last tillage.
ARABLE LAND COVER		200 - 300 kg/ha	Distribute the product before the last harrowing
PREPARATION OF SUBSTRATES	1-2 Kg / m ³ in the preparation of substrates and soils		

NB: use the maximum recommended doses in all those cases in which you work on soils poor in organic matter, sandy, alkaline, saline or subject to irrigation with brackish water, subjected to fumigations for years.

ALLOWED IN ORGANIC FARMING



Raw material:

Leonardite from Germany exclusively obtained as a by-product of mining activities.

COMPOSITION

Organic carbon (C)	40.0% d m
Organic nitrogen (N)	1.4% d m
Organic substance	80.0% d m
Extractable organic substance as a percentage of the organic substance	70.0%
Organic substance humified as a percentage of the extractable organic substance	93%
pH	5-6

