PERL Granules HUMUS®

Made in Germany

SOIL CONDITIONER & BIOSTIMULANT

PERLHUMUS® Granules is a natural, high quality granulated humic substance based soil conditioner from German Leonardite.
PERLHUMUS® Granules consists of immediately available nutrient humus and high quantity of permanent humus, which is stable against microbial decomposition in the soil, contributing to soil fertility increase for long term.
The unique advantages of **PERLHUMUS® Granules** as a soil conditioner are its positive influence on plant growth and the improved resistance of plants against stress factors (drought, salinity, and pesticides). It increases the soil cation exchange capacity and soil buffering capacity as well as the soil water holding capacity. The positive effect of Perlhumus on soil life, soil structure and the rhizosphere can be seen after the first application.
PERLHUMUS® Granules can be used in a wide variety of applications and should be applied to the ground using non–hygroscopic equipment.

BENEFITS & RECOMMENDED APPLICATION

- Provides stable humus to the soil and stimulates CO_2 sequestration
- Improves the soil structure and aeration of the soil, especially in sandy and clay soils
- Increases availability of soil nutrients and improves soil water holding capacity
- Improves the buffering capacity of soils and increases fertilizer use efficiency, plant productivity
- Helps to neutralize toxins and sequesters heavy metals in the soil
- Promotes root respiration and development, especially vertically

FIELDS OF APPLICATION

- Agriculture
- Vegetable Production
- Vineyards and Horticulturen
- Fruit Production
- Turf and Landscaping

RECOMMENDED APPLICATION RATES *

Soil	400 – 600 kg/ha during seed bed and general soil preparation
Substrates	3 – 5 kg/m³ in organic or mineral substrates
Landscaping	5 kg/100 m² during planting,seed bed preparation and lawn care
Orchards	0.5 – 2 kg/planting hole or 5 kg/100 m² together with the first fertilizer application evenly over the tree shade area

* Standard recommendations that can vary according to soil properties, cultivated crop and local application conditions.

SINCE 1974

Humintech GmbH has started successfully in 1974 with our first product Perl Humus Granulat.

5 KG / 100 m²

Mix approximately 5 kg Perl Humus per 100 m² of application area on soil.

AGRICULTURAL AND GARDEN APPLICATIONS

Perl Humus can be applied to larger areas with agricultural machinery & equipment. A spreader can be used for lawn areas.

INHERENT COMPOSITION (Typical values based on Dry Matter)

Humic Substances [1]	min. 60 %	Organic Substance	> 80 %
Total Humic Acids [1/2]	38 – 39 %	pH	5 – 6
Free Humic Acid [1]	34 %	Bulk Density	0.6 – 0.7 g/cm³
Hydrophobic Fulvic Acid [2]	4 – 5 %	Particle size	1 – 6 mm
Dry Matter	68 – 72 %		

[1] according to **ISO 5073**
[2] according to **ISO 19822** | **HPTA** | **AAPFCO** | **IHSS Analysis method**

CONDITIONS FOR SAFE HANDLING AND STORAGE

Store in a dry area, protected from frost, heat and direct sunlight.
KEEP OUT OF THE REACH OF CHILDREN, PETS AND FOOD

DELIVERY SPECS

Bag 20 kg | Big Bag

HUMIN TECH® HUMIC SUBSTANCES BASED BIOSTIMULANTS

German technology

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PERL HUMUS GRANULES IS A REGISTERED TRADEMARK OF HUMINTECH GMBH / TECH – EN – 101023 | "THE PRODUCT CLASSIFICATION MAY DIFFER IN CONSIDERATION WITH THE REGIONAL LEGISLATIONS"