

# HUMUS D.L.

## DENSE LIQUID HUMUS

### IDENTIFICATION:

HIGH QUALITY HUMIC (HUMUS) MATERIAL

### Contains :

- ORGANIC MATTER
- HUMIC ACID and FULVIC ACID
- ENZYMES - MICROORGANISMS
- 4-5% ORGANIC NITROGEN

### PROPERTIES:

- HUMUS D.L. has a profound effect upon the physical properties of mineral soils, with regard to improve soil structure, water intake and reservoir capacity. Moreover, it gives the ability to the soil to resist erosion and the ability to hold chemical elements in a form accessible to plants.
- HUMUS D.L. is a product of fermentation, humus-creation of optimum quality leonardites (the best material of organic matter on planet).
- It is considered to be the densest humic product in the International market since the humic material it contains is weighting more than 80% of the total weight of the product.
- HUMUS D.L. is a High Technology Agricultural product which is exclusively produced in Greece under the cooperation of GT CHEMICALS U.S.A. and LEDRA L.T.D.-AGROCHEMICALS
- This product is ECOLOGICAL as the raw material is Leonardite and the production is based on the gradual fermentation- humus creation of the organic material of GT CHEMICALS U.S.A.
- HUMUS D.L. is used as a processed raw material from many European companies for the production of Liquid Organic fertilisers and other Liquid Humic products. However, the main use of the product is on this form as a Dense Liquid Organic-Humic fertilizer
- It can substitute all the common organic fertilizer at a ratio of 1:10 (for example: the use of 10 kg. of this product is equal with the use of 100 kg. of any organic fertilizer)

### GENERALLY:

The necessity of the application of Organic-humic fertilisers at the fields, is already well-known. Until now there were some factors which made difficult the application of these products:

- Distribution of these products on the fields- mixing them with the soil- high cost
- Extra charge for the transportation, storage of the products
- Limited time application of the products (during the winter applications-only)

*HUMUS D.L. is able to substitute all the “traditional” and industrial organic-humic fertilizers, as it is superior on all kind of factors: technical, agricultural, practical, financial:*

- It is a completely **Ecological product**
- It has a much higher **Biological action**
- It can be applied **easily, quickly** and with **low cost**
- It is **condensed** at a ratio of **1:10** (compare to the other ordinary organic-humic fertilizers) and thus, all the expenses of transportation, loading, storage and application are only cost the 1:10 of your ordinary expenses.

**HUMUS D.L.** is the perfect combination of **ORGANIC-HUMIC BIOLOGICAL** ingredients and **TRACE ELEMENTS**. The abundant **HUMIC** and **FULVIC ACIDS** this product contains can succeed the following:

- ◆ Break into an assimilated form the Chemical Compounds of N-P-K fertilizers which are used at various cultivations. Moreover they release the chemical compounds which are bind into the soil particles. As it is already known, the assimilation of the N-P-K compounds of the traditional fertilizers, is not more than 20-25%. However, with the action of Humic acids, the above assimilation percentage can reach over 80%.
- ◆ Dissolve the salts created by the nature of the soil, or by the continual use of the chemical fertilizers.
- ◆ Regulation of the pH (acidity-alkalinity) and the E<sub>Ce</sub> (salinity %) of the soil.
- ◆ Cure any lack of nutrients
- ◆ Help the growth of the micro-organism societies in soil (beneficial bacteria and fungi)

#### **HUMUS D.L. SUCCEEDS:**

- ⇒ REDUCTION OF THE QUANTITY OF THE APPLIED FERTILIZERS EVEN UNTIL 50%
- ⇒ BETTER QUALITY AND FERTILITY OF SOIL
- ⇒ INCREASE THE CROP PRODUCTION
- ⇒ IMPROVE THE QUALITY OF THE PRODUCTS

#### **How to use:**

There are **2 types** of this product the “NATURAL” and the “SPECIAL” type. The first one, the NATURAL type can be applied by affusion on the soil (just pour it on the surface of the soil). The SPECIAL type can be applied through the irrigation system, into the irrigation water.

There are many ways to use this product:

##### **- FOR SOIL IMPROVEMENT - BASIC ORGANIC LUBRICATION:**

Apply 100-150 kg of NATURAL type per hectare. You can use it either by itself on soil or by diluting it in water. You will have better results if the application of product is followed by a good irrigation, or by mixing it with soil (embody).

##### **- FOR THE SOWING:**

During the last stage of the preparation of the soil, apply 50-100 kg/hectare of NATURAL type.

##### **- APPLY ON SOIL:**

1. Pour it on soil and then apply plenty of water, as a top dressing. Use 50-100 kg/hectare Of the NATURAL type.
2. Apply 10-20kg/hectare of the SPECIAL type of the product, through the irrigation system.

#### **Combination:**

This product can be combined with all the **chemical fertilizers** and the common **Insecticides- Fungicides- Pesticides- Weed killer**.