HS 300BIO BASIC

Approved for ORG. FARMING

made in Germany

BIOSTIMULANT WITH NATURAL HUMIC ACIDS

HS®-300 BIO BASIC is a liquid soil conditioner based on high quality micronized German Leonardite that contains a high proportion of humic substances. Produced via a mechanical micronizing process, the humic particles (< 5 µm) are held in aqueous suspension. As a result, the humic acids remain as humic substances molecules, which endure in the soil for a longer period, raising organic matter levels over time.

HS®-300 BIO BASIC improves the structure, the buffer capacity and nutrient exchange capacity of soils. It has a low precipitation reactivity and a low pH–value of 4 which allows for good compatibility with most pesticides and fertilizers. (Pre–mixing test advised).

HS®-300 BIO BASIC stimulates root growth in soils and sustainably improves the soil structure. It can be applied in fertigation and hydroponic systems or sprayed using conventional foliar or sprinkler techniques.

BENEFITS & RECOMMENDED APPLICATION

- Supports the formation of clay–humus complexes and soil aggregation and reduces soil erosion
- Increases the quantity and the quality of yields through the full utilization of potential nutrients in the soil
- Increases biomass production and stimulates CO_2 sequestration in soils
- Improves fertilizer efficiency and promotes more uniform yields
- It has a very high technical and chemical compatibility with liquid fertilizers and plant protective agents (pre–mixing test advised)
- Increases the biological activity and cation exchange capacity (CEC) in soils

FIELDS OF APPLICATION

- **Agriculture**
- **Vegetable Production**
- **Fruit Production**
- **Substrate Cultivation**
- **Turf and Landscaping**
- **Seed Treatment**

RECOMMENDED APPLICATION RATES*

Soil	12 – 15 L/ha divided into several applications (2 – 3 L/ha) during the vegetation period
Foliar	50 – 75 ml/100 L water every 2 – 3 weeks over the vegetation period
Substrates	2 – 3 L/m³
Seeds	0.5 % or 500 mL/100 kg seed dressing according to thousand grain weight (T.G.W.)
Hydroponics	30 – 50 ml/1000 L nutrient solution during the cultivation cycle

* These are standard recommendations that can vary according to soil properties, cultivated crop and local system conditions.

INHERENT COMPOSITION (Typical values based on Fresh Matter)

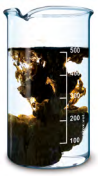
Total Humic Acids [1]	28 %	Organic Substance	28 %
Humic Acid [1]	21 – 22 %	pH – value	4
Fulvic Acid [1]	5 – 6 %	Density	1.2 kg/L
Dry Matter	27 – 30 %	Particle sizes	< 5 µm

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

STORAGE

Store in a dry place, protected from frost, heat and direct sunlight.

STORE OUT OF THE REACH OF CHILDREN



DELIVERY SPECS

Bottle 1 L | Canister 5/10/20 L | IBC Container

HUMIN TECH® HUMIC SUBSTANCES BASED PRODUCTS

German technology

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