



Approved for  
ORG. FARMING



made in  
Germany



## BIOSTIMULANT WITH NATURAL HUMIC ACIDS

**HS<sup>®</sup>-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<sup>®</sup>-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<sup>®</sup>-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<sub>2</sub> 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/m <sup>3</sup>
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.

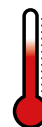
### INHERENT COMPOSITION (Typical values based on Fresh Matter)

Total Humic Acids <sup>1</sup>	28 %	Organic Substance	28 %
Humic Acid <sup>1</sup>	21 – 22 %	pH – value	4
Fulvic Acid <sup>1</sup>	5 – 6 %	Density	1,12 - 1,13 kg/L
Dry Matter	27 – 30 %	Particle sizes	< 5 µm

<sup>1</sup> according to ISO 19822 | HPTA | AAPFCO | IHSS Analysis method

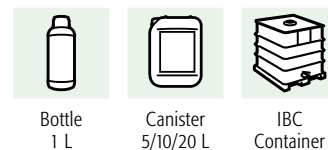
### STORAGE

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



STORE OUT OF THE REACH OF CHILDREN

### DELIVERY SPECS



German technology

Administration & Distribution: **HUMINTECH GMBH**

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