



## SOIL CONDITIONER & BIOSTIMULANT

**LIQHUMUS® Liquid 18** is a liquid, organic plant growth stimulant and soil conditioner based on active humic acid (potassium humate). It is a bioactive growth stimulant highly effective at sandy and heavy clay soil areas.

**LIQHUMUS® Liquid 18** has a stimulating effect on plant growth, root development and increases and stimulates beneficial soil microorganisms.

**LIQHUMUS® Liquid 18** can be combined with other fertilizers and pesticides, after undertaking a trial mix. It is suitable for soil and foliar applications for all crops.

### BENEFITS & RECOMMENDED APPLICATION

- Immediate improvement with plant nutrient absorption and fertilizer use efficiency in the soil environment
- Stimulates vigorous root growth and yield formation
- Improves the soil structure and increase water holding capacity
- Increases stress tolerance of plants against drought, salinity and low and high temperature effects
- Acts as a natural chelator for micronutrients in soils and increases their availability to plants

#### FIELDS OF APPLICATION

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

#### RECOMMENDED APPLICATION RATES\*

Soil	5 – 20 L/ha depending on the crop, can be divided into several applications
Foliar	75 – 150 ml/100 L water every two weeks during the vegetation period
Substrates	1.5 – 0.5 L/m <sup>3</sup>
Seeds	0.5 % or 500 mL/100 kg seed dressing according to thousand grain weight (T.G.W.)
Hydroponics	50 – 150 ml/1000 L nutrient solution during the cultivation cycle

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

#### SHAKE WELL BEFORE USE

Please remind to shake well the bottle or container prepared mix well before use.



#### BLEND USE NOTICE

Before use in combination with other agents, first preparation of a sample mix in a small scale is recommended to avoid any risk of flocculation.



#### PREPARATION OF MIXTURE

Make sure sufficient amount of solution is added to half water filled tank while agitator is running. Add additional substances or crop protection agents before filling the tank fully with water.



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

Potassium Humates	18 – 22 %	Dry Matter	20 – 22 %
Total Humic Acids <sup>1</sup>	13 – 14 %	Organic Substance	14 – 15 %
Total Humic Acids <sup>1/2</sup>	16 – 18 %	pH	10 – 11
Fulvic Acid <sup>1</sup>	2 – 3 %	Density	1.11 – 1.12 g/cm <sup>3</sup>
Potassium (K <sub>2</sub> O)	2.5 – 3 %	Particle sizes	100 – 150 µm

<sup>1</sup> according to ISO 19822 | HPTA | AAPFCO | IHSS Analysis method  
<sup>2</sup> according to CDFA | Colorimetric method 18 %

#### CONDITIONS FOR SAFE HANDLING AND STORAGE

Store in a dry area, protected from frost, heat and direct sunlight. Can be stored up to 3 years in its original packaging.

**KEEP CONTAINER CLOSED DURING STORAGE!**  
**KEEP OUT OF THE REACH OF CHILDREN, PETS AND FOOD**



#### DELIVERY SPECS



German technology

Administration & Distribution: **HUMINTECH GMBH**

Am Pösenberg 9 – 13 • 41517 Grevenbroich / Germany • E-Mail: info@humintech.com • Internet: www.humintech.com

