Status as of June 2015

LIQUID

Organic Soil Conditioner

LIQ HUMUS® Liquid 18

18% Liquid Potassium Salts of Humic Acids

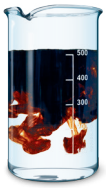
FOR SOIL AND FOLIAR APPLICATION

DESCRIPTION

LIQHUMUS® 18 is a potassium humate suspension with bioactive humic and fulvic acids. It is a water soluble high quality plant growth stimulant and soil conditioner, and can be applied to all agricultural and horticultural plants by soil and foliar application. Furthermore, it is a permanent humic substance which cannot be easily decomposed by soil microorganisms. It can be used alone or mixed with most fertilizers.

ORIGIN

LIQHUMUS® 18 is obtained through alkaline extraction from German Leonardite (highly oxidized lignite). It arises from the chemical and biological humification of plants and other organic matter, by biological activity and geological processes. Leonardite provides a very high content of humic and fulvic acids and natural, biologically active trace elements.



COMPOSITION: (Typical analysis)

Potassium Humates	>18%
Potassium (in K_2O)	2.5%
Iron (Fe)	0.2%
Density	1.13 kg/L
Particle Size	<100 µm
Solubility in water	100%
pH value	9-10
Product type	Liquid

FORM OF DELIVERY

IBC container (Intermediate Bulk Container

Can 5 L, 10 L, and 20 L

Bottle 1 L

BENEFITS

LIQHUMUS® 18 is a bioactive growth stimulant and soil conditioner with humic acids, especially for sandy and heavy clay soils. It can be applied to all agricultural and horticultural plants. It can enhance the performance of fertilizers and reduce input costs.

- Increases yield and improves the quality of plants
- Improves the soil structure and the water retention capacity
- Increases and stimulates beneficial soil microorganisms
- Enhances the soil cation exchange capacity (CEC)
- Increases the effectiveness of fertilizers and reduces nutrient leaching
- Promotes root development
- Increases nutrient uptake
- Acts as a natural chelator for micronutrients in alkaline soils and increases their availability to plants
- Decreases stresses due to drought and salinity and/or application of pesticides
- Increases the germination of seeds and enhances development of radicles
- Reduces the residues of herbicides and other toxic substances in soils
- Delays the decomposition of ultraviolet unstable agents

DIRECTIONS FOR USE* LIQHUMUS® 18

CROP	OBJECTIVE	RECOMMENDED APPLICATION
In all crops	Soil conditioning, increase of soil fertility and fertilizer utilisation	25-30 L/ha divided into several doses (5-10 L/ha)
Vegetables in greenhouses	Soil conditioning, increase of soil fertility and fertilizer utilisation	35-45 L/ha divided into several doses (5-10 L/ha) during the season
Horticultural fruit trees	Soil conditioning, root growth stimulation, increasing of soil fertility and fertilizer utilisation	35-45 L/ha divided into several doses (5-10 L/ha) during the season
Open field vegetables	Soil conditioning, root growth stimulation, increasing of soil fertility and fertilizer utilisation	25-30 L/ha divided into several doses (5-10 L/ha) during the season
Cereals, potatoes, legumes	Soil conditioning, root growth stimulation, increasing of soil fertility and fertilizer utilisation	25-30 L/ha divided into several doses (5-10 L/ha) during the season
Ornamental plants and tree nursery, landscaping, turf grass (general)	Soil conditioning, root growth stimulation, increasing of soil fertility and fertilizer utilisation	35-45 L/ha divided into several doses (5-10 L/ha) during the season or 5 L/m³ during the preparation of substrates
Foliar application	Growth stimulation, increase of foliar fertilizer penetration	0.7-1.5 L/1000 L water every two weeks during the season
Seed treatment	Stimulation of seed germination and root growth	5 L/100 Kg seeds
UV protection	Prevention of decomposition of ultraviolet-unstable agents	0.5% (1 L/200 L water/ha)

** This recommendation may be varied according to the soil characteristics and local conditions*

HUMIN TECH® HUMIC ACIDS BASED PRODUCTS

Administration & Distribution: Humintech GmbH
Am Pösenberg 9-13 • D 41517 Grevenbroich, Germany
Tel.: +49 (0) 2181 70 676 0 • Fax: +49 (0) 2181 70 676 22
E-mail: **info@humintech.com** • **Internet: www.humintech.com**