



## LONITE®

Organic natural soil mender based on humic and fulvic acids

### CHARACTERISTICS

LONITE is an organic liquid soil mender characterized by a high content of humic and fulvic acids. LONITE is extracted from a pure mineral natural substance, Leonardite, composed exclusively of concentrated humic substances.

### EFFICACY

- ✓ *High content of humic and fulvic acids*
- ✓ *It improves the structure and the water retention in soil*
- ✓ *It increases the availability of nutrients*

The humic and fulvic acids included in LONITE have many improving actions in both soil and plants:

- they improve the structure and the water retention in sandy soil,
- they increase the ionic exchange power of soils and the availability of nutrients, in particular phosphorus, potassium, iron and all microelements,
- they facilitate to maintain the pH value of the soil around neutral,
- they directly stimulate the development of the roots structure and the germination of seeds.

Lonite can be used, for soil irrigation with traditional fertilizers and other products containing iron and microelements, increasing efficacy.

Lonite's liquid state and the total miscibility in water, renders the use and the dosage of LONITE extremely simple.

### RESULTS

With the application of LONITE, it is possible to obtain an improvement of the structural characteristics of loose soils with greater capacity for water and for nutrients, better root growth, more regular growth and the development of crops with higher yields.

### COMPOSITION

	% w/w	% w/v
Organic matter (% on dry matter)	14	15
Organic matter (% on dry matter)	83	90
Humic organic matter	90	90
Organic nitrogen (N) (% on dry matter)	0.85	0.9
Ratio C/N	54-58	54-58

**SPECIFICATION**

Density 1085 g/lit

pH 12 ± 0.5

**STATE**

Liquid

**APPLICATION**

Soil

**DOSES, WAY, TIME OF APPLICATION**

Crops	Application rate	N° and time of applications
Fruit trees	Soil irrigation greenhouse: 2-4 g/m <sup>2</sup> (1,8-3,7 ml/m <sup>2</sup> )	2-4 applications beginning from vegetative renewal every 15-20 days
Vegetables		2-3 applications beginning from after transplanting, every 15-20 days
Leafy vegetables, strawberries	Soil irrigation open ground: 15-20 kg/ha (13-18 lt/ha)	1-2 applications from 15 days after transplanting
Flowers and ornamental shrubs and trees		1-2 applications during the first stages of growth
Industrial plantings		2-3 applications beginning from before seeding

**PACKAGING**

1 lt bottle

(carton 1 lt x 16)

6 lt can

(carton 6 lt x 2)

10 lt can

20 lt can

**NOTES**

It is possible to use LONITE with traditional fertilizers used for soil irrigation and is very useful in applications with other products containing iron and microelements.

**WARNING**

It is very important to not use LONITE in solution with very acid chemical compounds, mineral oils, sulphur, polysulphides and cupric compounds. The product is stable from +5°C to +35°C. It must be kept in airy, cool, dry places, far from sources of heat/ignition and it must be protected from sunlight.