

NEW

LIGNO  
SULFO  
NATES

NATURAL CHELATING AGENT  
(LIGNOSULFONATE ACID)

## Datasheet

tangelAGRO



Lignosulfonic Acid  
Foliar / Soil



Complexed organic zinc and manganese corrector  
(Lignosulfonic Acid)

## CHARACTERISTICS

**LIGNO Zn+Mn** is a dual deficiency corrector for manganese and zinc. It is a highly soluble, liquid solution that is easily assimilated by crops. LIGNO Zn-Mn prevents and corrects manganese and zinc deficiencies in all crops through foliar or soil application. The application of LIGNO Zn-Mn corrects and prevents deficiencies of both elements that occur mainly due to factors that affect availability and absorption, such as low temperatures, soils with high pH, antagonisms, low levels in the soil, high production levels, etc. Under these conditions the probability of finding Manganese and Zinc deficiencies is higher. Its formulation with lignosulphonates is a biodegradable organic polymer of natural origin.

## BENEFITS

- High yields and improved quality
- High uptake efficiency
- Dry matter increment
- Reduced environmental impact
- Increased sizing and colouring
- Enhance nutrients use efficiency

# LIGNO Zn + Mn

### COMPOSITION

	%w/w
Manganese (Mn)	4, 50
Zinc (Zn)	4, 50
Natural Chelating Agent (Lignosulfonic Acid)	

## APPLICATIONS



### GENERAL DOSE :

**Foliar:** 300-500 cc/hL per application on all crops.  
**Soil:** 4-8 L/ha.

### FOLIAR APPLICATION

CROPS	NUMBER OF APPLICATIONS AND TIME OF APPLICATION	DOSE
Fruits trees	3-4 applications in pre-flowering, fruit set, fattening and after harvest.	300-400 cc/hL
Citrics	Coinciding with spring and summer budding. When the new shoots reach 2/3 of their size.	400 cc/h
Extensive crops	1-2 applications from the beginning of growth. 2-4 cm for flax and 5-6 leaves for corn.	300 cc/hL
Vegetable crops	Apply the first application when the plants are well rooted and the leaves are well developed, and then at 15-day intervals thereafter.	300 cc/hL
Crops susceptible to Zinc and Manganese deficiencies T	2-4 applications on sufficiently developed leaves at intervals of 15-20 days.	300 cc/hL
Olive trees	1st application at the beginning of the cycle (spring), 2nd fattening from September to October.	300-400 cc/hL
Vine and vineyard	1° Separate inflorescences 2° Flower buds 3° Fruit set 4° Veraison.	300-400 cc/hL

Avoid treatments in cases of extreme drought, humidity, frost, rain or when these extreme conditions are expected. In case of mixing with other products, always carry out a preliminary test.

### SOIL APPLICATION

#### NUMBER OF APPLICATIONS AND TIME OF APPLICATION

Perform 2-4 applications depending on the needs and maximum doses of need. At intervals of 15-20 days.

DOSE  
4-8 L/ha

#### Manganese functions

- growth hormone synthesis
- enzyme function
- protein synthesis

#### Zinc functions

- enzyme activation
- chlorophyll synthesis
- nitrate reduction and protein synthesis

LIGNOSULFONATES  
tangelAGRO

www.tangelagro.com

AVAILABLE IN  
1L - 5L - 10L - 20L - 1000L  
Plastic Bottle/IBC



FERTILIZER



IMPORTED FROM EU

