

FITONATURA PIANTA ZINC



HIGH BIOAVAILABILITY OF ZINC

PIANTA ZINC is a liquid product with a base of zinc complexed with LS (lignosulfonic acid). LSs are derived from lignin and have important biological characteristics: they have a high affinity with vegetal tissues, they easily penetrate inside the plant and they transport zinc inside the cell. Once reached the vegetal cell, the complex metal-LS separates naturally without energy use and the lignosulfonic acids are used by the plant for the synthesis of energy compounds such as ATP, NADH and FAH2.

PIANTA ZINC, thanks to its affinity with vegetals, is highly miscible with agrochemical products and other fertilizers, slightly improving the adheiveness of the sprayed solution.

PIANTA ZINC is compatible with most pesticides commonly used in agriculture with the exception of products containing phosphorus. In fertigation, do not mix **PIANTA ZINC** in the mother solution with fertilizers containing calcium. For sensitive crops, make a preliminary test on a few plants before making extensive applications.

Prevents and cures zinc deficiencies

EC FERTILIZER
INORGANIC MICRONUTRIENT FERTILIZER
ZINC COMPLEX (LS)

Increase photosynthetic efficiency

Zinc complexed with LS

Increase the synthesis of auxins

COMPOSITION % w/w (equivalent to % w/v at 20°C)

Zinc (Zn) soluble in water	10% w/w	(13,5% w/v)
Total Zinc (Zn) complexed by lignosulfonic acid	10% w/w	(13,5% w/v)

PHYSICAL AND CHEMICAL PROPERTIES

Density at 20°C: 1,35 g/ml

pH (1% w/w aqueous solution at 20°C): 7,0 ± 0,5 u. pH

Electrical conductivity (1 g/l in deionized water at 20°C): 350 µS/cm

Reduce oxidative stresses caused by high radiation

CROPS	APPLICATION RATES FOLIAR*	STAGES AND RECOMMENDATIONS
FRUIT TREES, GRAPES, CITRUS, OLIVE	1 - 2 l/ha	At the vegetative re-start, before flowering and after harvest. During vegetative growth and fruit enlargement.
HORTICULTURE	1 - 1,2 l/ha	At the beginning and during vegetative growth.
CEREALS AND INDUSTRIAL CROPS	1 - 2 l/ha	At the 4th leaf and after tillering.
NURSERIES	0,4 - 0,8 l/ha	By the 4th leaf.
FLOWERS AND ORNAMENTALS	1 - 1,2 l/ha	At the beginning and during vegetative growth.

* Foliar applications referred to standard water volumes