

PIANTA ZINC is a liquid formulation based on **zinc complexed with lignosulfonic acid (LS)**, which is derived from lignin and offers key biological benefits. LS exhibits a strong affinity for **plant tissues**, easily penetrating cells to **efficiently transport zinc**.

Inside the plant, the **metal-LS complex** naturally dissociates without requiring energy, while lignosulfonic acids contribute to synthesizing **energy compounds** such as ATP, NADH, and FADH₂.

Zinc plays a vital role in **enhancing photosynthetic efficiency**, stimulating **auxin synthesis**, and **mitigating oxidative stress** caused by intense radiation. **PIANTA ZINC** is also highly compatible with agrochemical products and fertilizers, improving the **adhesiveness** of sprayed solutions due to its excellent plant affinity.

CROPS	APPLICATION RATES	STAGES AND RECOMMENDATIONS
	FOLIAR*	
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 4 th leaf and after tillering
NURSERIES	0.4 - 0.8 l/ha	By the 4 th leaf
FLOWERS AND ORNAMENTALS	1 - 1.2 l/ha	At the beginning and during vegetative growth

*Foliar applications referred to standard water volumes

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

Zinc (Zn) soluble in water	10.0% w/w	13.5% w/v
Total Zinc (Zn) complexed	8.0% w/w	10.8% 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
E.C. (1 g/l in deionized water at 20°C):	350 µS/cm



PIANTA
ZINC

HIGH BIOAVAILABILITY
OF ZINC

KEY BENEFIT

- 1 Efficiently delivers zinc to plants through lignosulfonic acid (LS) for improved absorption
- 2 Boosts photosynthesis, auxin synthesis, and reduces oxidative stress
- 3 Compatible with agrochemicals, enhancing spray solution adhesiveness

