

NEW

Datasheet



Lignosulfonic Acid  
Foliar / Soil



Complexed organic zinc corrector  
(Lignosulfonic Acid)

CHARACTERISTICS

Ligno ZN is a zinc deficiency corrector, a highly soluble liquid solution that is easily assimilated by crops. Its complexation with lignosulphonic acid provides high stability, promoting absorption. This ensures its effectiveness and speed of action, as well as its effect on the crop.

Ligno ZN is a natural complex chelated with zinc, especially recommended for both foliar and root application to prevent and correct zinc deficiency. It is also a perfect acidifier for the pH of the water in the nutrient solution or spray mixture, improving its assimilation.

WHAT IS Zn IMPORTANT FOR?

Zinc deficiency is probably the most common micronutrient deficiency in crops worldwide, resulting in substantial losses in crop yields and human nutritional health problems. Deficiency in Zinc might result in significant reduction in crop yields and quality. In fact, yield can even be reduced by over 20% before any visual symptoms of deficiency occur.

BENEFITS

- Prevents zinc deficiency symptoms in the plant
- Increases the use of available nitrogen
- Demonstrate high absorption efficiency
- Responsible for the synthesis of proteins necessary for growth and building biomass
- Increases plant tolerance to low temperatures and frosts.

LIGNO Zn

COMPOSITION

	%w/w
Zinc	9,0
Natural Chelating Agent (Lignosulfonic Acid)	

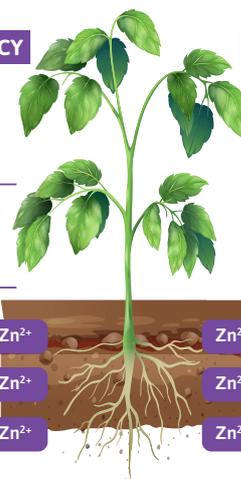
PHYSIOLOGICAL RESPONSES

ZINC DEFICIENCY

Short internodes, decrease in leaf size and delayed maturity

Disrupted photosynthesis and plant water relations

Imbalanced mineral nutrition and cell death



ZINC DEFICIENCY

Decreased protein synthesis due to enhanced proteolytic activity

Inactivation of enzymes

Imbalanced cell proliferation

BIOCHEMICAL RESPONSES

APPLICATIONS



CROPS	FOLIAR RATE	SOIL RATE	STAGES AND RECOMMENDATIONS
fruit trees, grapes, citrus, olive tree	2-4 L/Ha	3-5 L/Ha	At the vegetative re-start, before flowering and post-harvest. During vegetative growth and fruit enlargement
Horticulture in greenhouse	2-3 L/Ha	3-4 L/Ha	Transplanting and from the 4th true leaf during vegetative growth
Horticulture in open field	2-3 L/Ha	3-4 L/Ha	Transplanting and from the 4th true leaf during vegetative growth
Cereal and industrial crops	2-3 L/Ha	3-4 L/Ha	At the 4th leaf after trillering.
Nurseries	2-3 L/Ha	3-4 L/Ha	Within the 4th leaf.
Flowers and ornamentals	1-3 L/Ha	3-4 L/Ha	At the beginning and during vegetative growth.

Ligno Zn is compatible with most pesticides and fertilizers. However, if the desired combination has not been previously used, check for chemical mixture compatibility using a jar test prior to application

