

LOIAL

(Zinc EDTA 12%)

Instantly Soluble Chelated Zinc Formulation

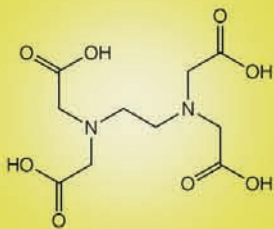
Zinc (Zn) is one of the eight essential micronutrients. It is needed by plants in small amounts, but yet crucial to plant development.

Zinc Deficiency: Deficiency in zinc might result in significant reduction in crop yields and quality. In fact, yield can even be reduced by over 20%. The cost to the farmer, associated with loss of production, is by far higher than the cost of testing the soil and plant tissue and applying zinc fertilizers.

Symptoms of zinc deficiency include one or some of the following:

Stunting – **reduced height, Interveinal chlorosis, Brown spots on upper leaves, distorted leaves.** It affects the main cereal crops: rice, wheat and maize as well as different fruit crops, vegetables and other types of crops.

Importance of Zn in biosynthesis of IAA: IAA plays a major role in early bud development and shoots elongation in plant. Zn-deficiency interferes with proper synthesis of IAA. Hence to obtain early bud development in tea & other crops, Zn supplement should be added.



Why EDTA used as chelator?

EDTA is an organic chelating compound which forms a strong and stable bond with Zn and makes it available for plant uptake. EDTA has many advantages over other chelators as it is stable in acidic and alkaline conditions. It's cheap and easily available than other chelators.

Comparison between ZnSO₄ and Zn EDTA:

Zinc Sulphate (25 - 36%) is most commonly used as a source of Zn in plants, which is harmful to plants at some levels. Zinc EDTA chelate is easily translocated within the plants, unlike ZnSO₄ which is partly systemic. ZnSO₄ reduces phosphorous uptake while Zn-EDTA increases it. Zinc EDTA available to plant system very quickly. Zinc EDTA is versatile since it can be used for all crops and all kinds of soil.

LOIAL 12% Zn EDTA is the best source of micronutrient for the Tea (highly susceptible to Zn deficiency) and other crops.

Recommended application: Foliar application is broadly recommended and widely accepted for Zn. Soil application can also be done

Dosage : • Foliar 250 gms/ ha • Soil application 500 gms / acre

LOIAL is the most modern and effective way to prevent Zn deficiency and maximize the yield.

Manufactured by :



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Group Credentials



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