

ADOB® ZnK₂ EDTA – 14.5%

Characteristics









ADOB® ZnK₂ EDTA - 14.5% is a specialty fertiliser, specifically designed to supply highly available zinc cations to plants in moderate pH conditions. Owing to a patented production process, **ADOB® ZnK₂ EDTA - 14.5%** is characterised by several unique properties. The entire concentration of zinc in the product (14.5% w/w) is 100% chelated by **EDTA**, making it completely effective and fully available to plants. The fertiliser is formulated as fully water-soluble, free-flowing micro-granules without any impurities or dust. Due to the “raspberry” shape of the micro-granules the product is not hygroscopic and is self-soluble, with no mixing required. The solubility of the product is 1,400g/l at 20°C. Since the production process does not include any sulphates, chlorides or nitrates, the material is anion-free.

The additional advantage of **ADOB® ZnK₂ EDTA - 14.5%** is that the product is also sodium-free, which is especially important in greenhouses and areas with higher salinity. Consequently, there is no risk of sodium build-up, while at the same time potassium contained in the product (K₂O at 20.8% w/w) is fully plant-available. This product serves as an effective source of zinc and is mainly recommended for foliar application, hydroponics and fertigation. It is recommended for preventive and corrective fertilisation in all agricultural and horticultural crops.

Zinc is present in a large variety of enzymes, where it contributes to maintaining their structural stability. Additionally, zinc works as an external activator for other important enzymes and is involved in a number of important functions in DNA and RNA metabolism, cell division and protein synthesis. It is crucial in the metabolism of the auxin indole-acetic acid (IAA), which enhances the apical growth of plants. Zinc deficiency is widespread among plants grown in highly-weathered acid soils and in calcareous soils. In the latter case, zinc deficiency is often associated with iron deficiency (lime chlorosis). The low availability of zinc in calcareous soils of high pH is mainly due to the adsorption of zinc to clay or CaCO₃.

Zinc deficiency causes various physiological disorders, such as stunted growth (“rosetting”) due to the shortening of internodes, drastic decrease in leaf size (“little leaf”) or, under severe deficiency, death of shoot apices (“dieback”). Quite often these symptoms are combined with chlorosis, which is either highly contrasting or diffusive (“mottle leaf”). In cereals such as wheat, typical symptoms include reduction in shoot elongation and the development of whitish-brown necrotic patches on middle-aged leaves, while young leaves remain yellowish-green and show no necrotic lesions.

ADOB® ZnK₂ EDTA - 14.5%, however, quickly corrects zinc deficiency, treating the above-mentioned physiological disorders.

-  **EC** EC fertiliser
-  **microgranular**
-  **EDTA** chelated
-  **bonus K enrichment**
-  **100% chelated Zn**
-  **enhanced roots development**
-  **sodium - free**
-  **outstanding quality**



Packaging:
1, 3, 5, 25, 1000 kg

Composition

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Nutrients	Symbol	Content [% w/w]	Form
Potassium oxide	K ₂ O	20.8	soluble in water
Zinc	Zn	14.5	chelated by EDTA

