

# ADOB® Zn DTPA – 3.6%

## Characteristics

**ADOB® Zn DTPA - 3.6%** is a specialty fertiliser, specifically designed to supply plants with highly available zinc cations at slightly higher pH conditions (6.5-7.5). Owing to a patented production process, **ADOB® Zn DTPA - 3.6%** is characterised by several unique properties. The entire concentration of zinc in the product (3.6% w/w) is 100% chelated by **DTPA**, making it completely effective and fully available to plants. **ADOB® Zn DTPA - 3.6%** is formulated as a stable, ready-to-use and high-purity aqueous solution; this makes it very convenient for growers to produce working solutions with. This product serves as an effective source of zinc when applied directly to the soil and when applied through fertigation or hydroponics. It is recommended for preventive and corrective fertilisation in all agricultural and horticultural crops.

Zinc is present in a large variety of enzymes and contributes to maintaining their structural stability. Additionally, zinc works as an external activator for other important enzymes. It is involved in a number of important functions in DNA and RNA metabolism, cell division and protein synthesis. Furthermore, zinc is crucial in the metabolism of the auxin indole-acetic acid (IAA), which enhances the apical growth of plants.

Zinc deficiency is widespread amongst 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  $\text{CaCO}_3$ . Symptoms of zinc deficiency include stunted growth ("rosetting") due to the shortening of internodes, a drastic decrease in leaf size ("little leaf") or, under severe zinc 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® Zn DTPA - 3.6%** can quickly counteract, correct and prevent zinc deficiency, thereby treating the physiological disorders mentioned above.

-  **EC** EC fertiliser
-  liquid fertiliser
-  **DTPA** **DTPA** chelated
-  100% chelated Zn
-  enhanced roots development
-  preventive and corrective effect
-  fast and efficient Zn uptake
-  increased yields and improved yield quality



## Composition

### Composition – ADOB® Zn DTPA – 3.6%

Packaging:  
20, 1000 l

Nutrients	Symbol	Content [% w/w]	Content [% w/v]	Content [g/l]	Form
Zinc	Zn	3.6	4.8	48.0	chelated by <b>DTPA</b>

