



# ADOB® Magzinc

## Characteristics

ADOB® Magzinc is a specialty fertiliser with high concentrations of nitrogen (N; 10.3%), magnesium (MgO; 14.3%), and zinc (Zn; 0.1%). Owing to a patented production process, ADOB® Magzinc is characterised by several unique properties. The solubility of the product is 2.3kg/l at 20°C and its rapid and complete dissolution in water makes the nutrients quickly available to plants. The fertiliser is formulated as fully water-soluble, free-flowing flakes, without any impurities. As a result of a relatively low hygroscopicity, there is no risk of caking. ADOB® Magzinc is an effective source of magnesium, nitrate-nitrogen and zinc. The product is mainly recommended for foliar application, hydroponics and fertigation.

ADOB® Magzinc enables the quick and effective fertilisation of plants with macro-, secondary- and micro-nutrients. Nitrogen is the main building block of proteins; it therefore plays a crucial role in plants' vegetative growth and impacts yield productivity. The nitrate (NO<sub>3</sub><sup>-</sup>) form of nitrogen in this product ensures its fast uptake by plants, resulting in quick deficiency correction. Magnesium is a central component of the chlorophyll molecule; as a result, it is essential for optimal photosynthesis. It also enhances the catalytic activity of many enzymes by establishing a precise geometry between the enzyme and its substrate. Zinc is present in a large variety of enzymes, whereby it contributes to maintaining their structural stability. It is involved in a number of important functions in DNA and RNA metabolism, cell division and protein synthesis. It is also crucial in the metabolism of the auxin indole-acetic acid (IAA), which enhances the apical growth of plants.

ADOB® Magzinc is instrumental in the quick correction of magnesium, nitrogen and zinc deficiencies, eliminating the physiological diseases they cause. It contributes to firmness and uniform ripening in fruits and vegetables; it also extends their storage capacity and durability during transportation. The high concentration of nutrients in this fertiliser meets the needs of even the most demanding plants. It is recommended for preventive and corrective fertilisation of all crops.

## Composition

### Composition - ADOB® Magzinc

Nutrients	Symbol	Content [% w/w]	Form
Total nitrogen	N	10.3	
- nitrate nitrogen	N-NO <sub>3</sub>	10.3	
Magnesium oxide	MgO	14.3	soluble in water
Zinc	Zn	1.0	chelated by IDHA

-  EC fertiliser
-  flakes
-  contains nitrogen, magnesium and zinc
-  IDHA chelated
-  100% chelated Zn
-  increased yields and improved yield quality
-  fast dissolution and complete solubility
-  outstanding quality



Packaging:  
25, 1000 kg



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