



ADOB® Mg IDHA – 7.5%







Characteristics

ADOB® Mg IDHA – 7.5% is a specialty fertiliser specifically designed to supply plants with highly available magnesium cations. Owing to a patented production process, ADOB® Mg IDHA – 7.5% is characterised by several unique properties. **IDHA** is a state-of-the-art, fully biodegradable chelating agent (75% degradation within 28 days), a trait which makes it the only environmentally-friendly synthetically-produced chelating agent on the market. The entire concentration of MgO in the product (7.5% w/w) is 100% chelated by **IDHA**, 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 700g/l at 20°C.

This product serves as an effective source of magnesium. It is mainly recommended for foliar application, especially for fruits and vegetable, since its biodegradability means no residues on the produce we consume. The product can also be used in fertigation and hydroponics at moderate pH conditions. It is recommended for preventive and corrective fertilisation in all agricultural and horticultural crops.

Magnesium is a central component of the chlorophyll molecule; it is therefore essential for optimal photosynthesis performance. It also enhances the catalytic activity of many enzymes by establishing a precise geometry between the enzyme and its substrate (e.g. in ATP synthesis). The specific role of Mg²⁺ in enzyme catalysis is linked mainly to its ability to position water molecules for participation in the catalytic reaction. Beyond its role in enzyme regulation, a substantial proportion of the total Mg²⁺ in the cell is involved in the regulation of cellular pH and the cation-anion balance.

ADOB® Mg IDHA – 7.5% ensures the quick correction of magnesium deficiency and treats the physiological disorders it causes (such as chlorosis of fully expanded leaves, reduced proportion of protein nitrogen accompanied by increased proportion of non-protein nitrogen, and reduced photosynthesis rate per unit leaf area with concurrent accumulation of carbohydrates). It is specifically recommended when application of nitrogenous or sulphate magnesium fertilisers has to be avoided.

-  microgranular
-  **IDHA** chelated
-  biodegradable
-  100% chelated Mg
-  fast dissolution and complete solubility
-  preventive and corrective effect
-  increased yields and improved yield quality
-  enhanced photosynthesis

Composition

Composition – ADOB® Mg IDHA – 7.5%

Nutrients	Symbol	Content [% w/w]	Form
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Magnesium oxide	MgO	7.5	chelated by IDHA
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Stability of the chelated fraction guaranteed at pH range 6-11.



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



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