



# ADOB® Fe IDHA – 9%









## Characteristics

ADOB® Fe IDHA – 9% is a specialty fertiliser specifically designed to supply plants with highly available iron cations. Owing to a patented production process, ADOB® Fe IDHA – 9% 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 iron in the product (9% 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 750 g/l at 20°C.

This product serves as an effective source of iron. 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.

Iron is crucial in the redox reactions of various cytochromes during respiration and photosynthesis. It is also involved in the functioning of oxidative enzymes, such as catalase and peroxidase, as well as in chlorophyll biosynthesis. Iron is highly involved in various stages of nitrate reduction within plants. Iron's most prevalent deficiency symptom, leaf chlorosis, is generally caused by its unavailability to plant roots when it is in an oxidation state of Fe<sup>3+</sup> and when its solubility is extremely low (<10<sup>-15</sup>M). This is directly linked to its tendency to form Fe hydroxides, oxyhydroxides and oxides in aerated alkaline soils. ADOB® Fe IDHA – 9% can successfully counteract iron deficiency, quickly treating the above-mentioned physiological disorders.

ADOB® Fe IDHA – 9% is allowed to be applied in ecological agriculture. Certificate number – NE/653/2022.

-  CE fertiliser
-  microgranular
-  IDHA chelated
-  100% chelated Fe
-  biodegradable
-  outstanding quality
-  fast dissolution and complete solubility
-  enhanced photosynthesis



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

## Composition

### Composition – ADOB® Fe IDHA – 9%

Nutrients	Symbol	Content [% w/w]	Form
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Iron	Fe	9.0	chelated by IDHA
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*Stability of the chelated fraction guaranteed at pH range 4-6.*



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