


# ADOB® Fe IDHA – 3%

## Characteristics

**ADOB® Fe IDHA – 3%** is a specialty fertiliser specifically designed to supply plants with highly available iron cations. Owing to a patented production process, **ADOB® Fe IDHA – 3%** 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 environmentally friendly as the only synthetically produced chelating agent in the market. The entire concentration of iron in the product (3.0% w/w) is 100% chelated by **IDHA**, making it fully effective and available to plants. **ADOB® Fe IDHA – 3%** is formulated as a stable, ready-to-use and high-purity aqueous solution, which makes it very convenient for growers to produce working solutions with.

**ADOB® Fe IDHA – 3%** 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 in 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  $Fe^{3+}$  and when its solubility is extremely low ( $<10^{-15}M$ ). This is directly linked to its tendency to form Fe hydroxides, oxyhydroxides and oxides in aerated alkaline soils. **ADOB® Fe IDHA – 3%** can successfully counteract iron deficiency, quickly treating the above-mentioned physiological disorders.

-  CE fertiliser
-  liquid fertiliser
-  **IDHA** chelated
-  biodegradable
-  100% chelated Fe
-  preventive and corrective effect
-  fast and efficient Fe uptake
-  enhanced photosynthesis



## Composition

### Composition – ADOB® Fe IDHA – 3%

Nutrients	Symbol	Content [% w/w]	Content [% w/v]	Content [g/l]	Form
Iron	Fe	3.0	3.9	39.0	chelated by <b>IDHA</b>

Packaging:  
20, 1000 l

*Stability of the chelated fraction guaranteed at pH range 4-6.*

