ADOB® 2.0 Fe IDHA – 9%

Characteristics

ADOB® 2.0 Fe IDHA – 9% is a specialty fertiliser specifically designed to supply plants with highly available iron cations. Owing to a patented production process, **ADOB® 2.0 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 750g/l at 20°C.

This product serves as an effective source of iron. It is recommended for foliar application, especially for fruits and vegetable, since its biodegradability means no residues on the produce we consume. The unique **"Technology 2.0"** used in the product reduces the surface tension on leaves and leads to better leaf coverage, increasing the uptake of iron by plants. 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 the 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^{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® 2.0 Fe IDHA – 9%** can successfully counteract iron deficiency, quickly treating the above-mentioned physiological disorders.

- CE fertiliser
- microgranular
- **IDHA** chelated
- biodegradable
- 100% chelated Fe
- Technology 2.0
- designed specifically for foliar application
- enhanced photosynthesis

Composition

Composition – ADOB® 2.0 Fe IDHA – 9%

Nutrients	Symbol	Content [% w/w]	Form
Iron	Fe	9.0	chelated by IDHA

Stability of the chelated fraction guaranteed at pH range 4-9.

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

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