



# ADOB® FeK EDTA - 13%

## Characteristics

**ADOB® FeK EDTA - 13%** is a specialty fertiliser, specifically designed to supply highly available iron cations to plants in moderate pH conditions. Owing to a patented production process, **ADOB® FeK EDTA - 13%** is characterised by several unique properties. The entire concentration of iron in the product (13% w/w) is 100% chelated by **EDTA**, 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 600g/l at 20°C. Since the production process does not include any sulphates, chlorides or nitrates, the material is anion-free.

The additional advantage of **ADOB® FeK EDTA - 13%** is that the product is also sodium-free, which is especially important in greenhouses and areas with higher salinity. Consequently, there is no risk of sodium build-up, while at the same time the potassium contained in the product (K<sub>2</sub>O at 11.0% w/w) is fully plant-available. This product serves as an effective source of iron and is mainly recommended for foliar application, hydroponics and fertigation. It is recommended for preventive and corrective fertilisation in all agricultural and horticultural crops.

Iron is crucial in the redox reaction 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. In addition, it 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® FeK EDTA - 13%** ensures the quick correction of iron deficiency and treats the above-mentioned physiological disorders.

-  EC fertiliser
-  microgranular
-  **EDTA** chelated
-  bonus K enrichment
-  100% chelated Fe
-  sodium - free
-  outstanding quality
-  enhanced photosynthesis



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

## Composition

### Composition – ADOB® FeK EDTA – 13%

Nutrients	Symbol	Content [% w/w]	Form
Potassium oxide	K <sub>2</sub> O	11.0	soluble in water
Iron	Fe	13.0	chelated by <b>EDTA</b>



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