



ADOB® FeK DTPA – 11%

Characteristics

ADOB® FeK DTPA – 11% is a specialty fertiliser specifically designed to supply plants with highly available iron cations at slightly higher pH conditions (6.5-7.5). Owing to a patented production process, ADOB® FeK DTPA – 11% is characterised by several unique properties. The entire concentration of iron in the product (11% w/w) is 100% chelated by DTPA, 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 1,800g/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 DTPA – 11% 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 (K₂O) is fully plant-available.

This product serves as an effective source of iron when applied directly to the soil and when applied through fertigation or hydroponics. 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 the plant. Its most prevalent deficiency symptom, leaf chlorosis, is generally caused by its unavailability to plant roots when it is in an oxidation state of Fe³⁺ and when its solubility is extremely low (<10⁻¹⁵M). This is directly linked to its tendency to form Fe hydroxides, oxyhydroxides and oxides in aerated alkaline soils. ADOB® FeK DTPA – 11% can counteract iron deficiency quickly, successfully treating the above-mentioned physiological disorders.

- CE fertiliser
- microgranular
- DTPA chelated
- fast and efficient Fe uptake
- 100% chelated Fe
- fast dissolution and complete solubility
- sodium - free
- enhanced photosynthesis



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

Composition

Composition – ADOB® FeK DTPA – 11%

Nutrients	Symbol	Content [% w/w]	Form
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Iron	Fe	11.0	chelated by DTPA
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Stability of the chelated fraction guaranteed at pH range 4-8



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