






ADOB® Fe DTPA – 11%

Characteristics

ADOB® Fe 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® Fe 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 800g/l at 20°C. Since the production process does not include any sulphates, chlorides or nitrates, the material is anion-free. 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 Fe^{3+} and when its solubility is extremely low ($<10^{-15}\text{M}$). This is directly linked to its tendency to form Fe hydroxides, oxyhydroxides and oxides in aerated alkaline soils. ADOB® Fe DTPA – 11% can successfully counteract iron deficiency, thus treating the above-mentioned physiological disorders.

-  CE fertiliser
-  microgranular
-  **DTPA** chelated
-  fast and efficient Fe uptake
-  100% chelated Fe
-  enhanced roots development
-  fast dissolution and complete solubility
-  enhanced photosynthesis



Composition

Composition – ADOB® Fe DTPA – 11%

Nutrients	Symbol	Content [% w/w]	Form
Iron	Fe	11.0	chelated by DTPA

Stability of the chelated fraction guaranteed at pH range 4-8

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

