









ADOB® Mn EDTA – 13%

Characteristics

ADOB® Mn EDTA – 13% is a specialty fertiliser, specifically designed to supply highly available manganese cations to plants in moderate pH conditions. Owing to a patented production process, **ADOB® Mn EDTA – 13%** is characterised by several unique properties. The entire concentration of manganese 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 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 manganese and it is mainly recommended for foliar application, hydroponics and fertigation. It is recommended for preventive and corrective fertilisation in all agricultural and horticultural crops.

Manganese deficiency is high in plants growing in soils derived from parent material that is inherently low in Mn and in highly leached tropical soils. Manganese acts as a cofactor, activating about 35 different plant enzymes. The majority of these enzymes catalyse redox, decarboxylation and hydrolytic reactions. Manganese plays a primary role in the tricarboxylic acid cycle (TCA), as well as in oxidative and non-oxidative decarboxylation reactions. Moreover, Mn^{2+} is a structural part of three enzymes, one of which is superoxide dismutase (MnSOD). MnSOD protects tissues from the deleterious effect of the oxygen radical O_2 , which is formed in various enzymatic reactions.

Major manganese deficiency symptoms include interveinal chlorosis of younger leaves in dicots and greenish-grey spots on the older leaves of cereals. Other symptoms include inhibition of root growth, complete cessation of lateral roots formation, reduced oil concentration in seeds and reduced lignin concentration in roots (which in turn reduces plants' resistance to root-infecting pathogens). **ADOB® Mn EDTA – 13%** ensures quick correction of manganese deficiency and treats the physiological disorders.

-  CE fertiliser
-  microgranular
-  **EDTA** chelated
-  100% chelated Mn
-  fast dissolution and complete solubility
-  outstanding quality
-  increased yields and improved yield quality
-  fast and efficient Mn uptake



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

Composition

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Nutrients	Symbol	Content [% w/w]	Form
Manganese	Mn	13.0	chelated by EDTA

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

