



ADOB® Calmag + Fe

Characteristics

ADOB® Calmag+Fe is a speciality fertiliser with high concentrations of nitrogen (N; 13.4%), calcium (CaO; 16.5%), magnesium (MgO; 6.0%) and iron (Fe; 0.1%). Iron in this product is chelated with **IDHA** biodegradable chelating agent. Owing to a patented production process, **ADOB® Calmag+Fe** is characterised by several unique properties. The solubility of the product is 2.3kg/l at 20°C and its rapid and complete dissolution in water makes the nutrients quickly available to plants. The fertiliser is formulated as fully water-soluble, free-flowing flakes without any impurities. As a result of relatively low hygroscopicity, there is no risk of caking. **ADOB® Calmag+Fe** is an effective source of calcium, magnesium, iron and nitrate-nitrogen. The product is mainly recommended for foliar application, hydroponics and fertigation.









ADOB® Calmag+Fe ensures the quick and effective fertilisation of plants with macro-, secondary- and micro- nutrients. Nitrogen is the main building block of proteins; it therefore plays a crucial role in plants' vegetative growth and impacts yield productivity. The nitrate (NO₃⁻) form of nitrogen in this product ensures its fast uptake by plants, resulting in quick deficiency correction. Calcium is a structural component of cell walls. Calcium deficiency reduces the mechanical strength of plants and their resistance to pests and diseases, especially at the post-harvest stage. Magnesium is a central component of the chlorophyll molecule; it is therefore essential for optimal photosynthesis. It also enhances the catalytic activity of many enzymes by establishing a precise geometry between the enzyme and its substrate. The most common symptom of iron deficiency are chlorotic leaves, a phenomenon which is linked to the role of this micronutrient in the biosynthesis of chlorophyll. Insufficient functioning of cytochromes in chloroplasts is another common symptom. Iron is also highly involved in various stages of plant nitrate reduction.

ADOB® Calmag+Fe is instrumental in the quick correction of calcium, magnesium and iron deficiencies and eliminates the physiological diseases they cause. It contributes to firmness and uniform ripening in fruits and vegetables; it also extends their storage capacity and durability during transportation. The high concentration of nutrients in this fertiliser meets the needs of even the most demanding plants. It is recommended for preventive and corrective fertilisation of all crops.

Composition

Composition – ADOB® Calmag + Fe

Nutrients	Symbol	Content [% w/w]	Form
Total nitrogen	N	13.4	
- nitrate nitrogen	N-NO ₃	13.0	
- ammonium nitrogen	N-NH ₄	0.4	
Calcium oxide	CaO	16.5	soluble in water
Magnesium oxide	MgO	6.0	soluble in water
Iron	Fe	0.1	chelated by IDHA

-  a mixture of various EC fertilisers
-  flakes
-  **IDHA** chelated
-  100% chelated Fe
-  low hygroscopicity
-  fast dissolution and complete solubility
-  outstanding quality
-  increased yields and improved yield quality, especially in fruits' post-harvest life



Packaging:
25, 1000 kg



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