# ADOB® $Fe(NH_4)_2$ DTPA – 6%

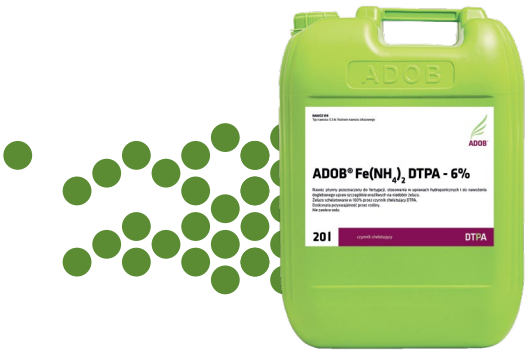
## Characteristics

**ADOB® $Fe(NH_4)_2$ DTPA – 6%** 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® $Fe(NH_4)_2$ DTPA – 6%** is characterised by several unique properties. The entire concentration of iron in the product (6% w/w) is 100% chelated by **DTPA**, making it completely effective and fully available to plants. **ADOB® $Fe(NH_4)_2$ DTPA – 6%** is formulated as a stable, ready-to-use and high-purity aqueous solution, which makes it very convenient for growers to produce working solutions with. Since the production process does not include the use of any sulphates, chlorides or nitrates, the material is anion-free. The additional advantage of **ADOB® $Fe(NH_4)_2$ DTPA – 6%** 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 nitrogen contained in the product ($N\text{-}NH_4$ at 3% w/w) 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 plants. 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 ($<10^{-15}$M). This is directly linked to its tendency to form Fe hydroxides, oxyhydroxides and oxides in aerated alkaline soils. **ADOB® $Fe(NH_4)_2$ DTPA – 6%** can counteract iron deficiency quickly, successfully treating the above-mentioned physiological disorders.

- CE fertiliser
- liquid fertiliser
- **DTPA** chelated
- fast and efficient Fe uptake
- 100% chelated Fe
- ~~Na~~ sodium – free
- preventive and corrective effect
- enhanced photosynthesis




## Composition

**Composition – ADOB® $Fe(NH_4)_2$ DTPA – 6%**

Packaging:
20, 1000 l

| Nutrients | Symbol | Content [% w/w] | Content [% w/v] | Content [g/l] | Form |
|---|---|---|---|---|---|
| Iron | Fe | 6.0 | 7.7 | 77.0 | chelated by DTPA |

*Contains nitrogen (N).*
*Stability of the chelated fraction guaranteed at pH range 4-8.*

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