

Optima Leaf-Fe

Optima Leaf-Fe is a liquid foliar fertiliser based on iron that has been 100% complexed with hepta gluconic acid (HGA). Iron deficiency is often common at high pH levels in the soil. Treating the soil with iron is not effective in this case. There is often an abundance of iron, but the uptake of iron is prevented by the high pH. In this case, the only effective treatment is with foliar nutrients. Iron plays a major role in chlorophyll production.

OPTIMA LEAF RANGE

Optima Leaf-Fe is part of the Optima Leaf range, a line of foliar fertilisers that are efficiently absorbed by the crop.

BENEFITS

- Delivers iron in an organically complexed form.
- Ensures efficient uptake and translocation of iron.
- Product approved for organic agriculture and horticulture in compliance with regulations EC 834/2007 & 889/2008.

FUNCTIONS OF IRON

- Essential for chlorophyll production
- Important for protein synthesis.
- Makes the leaf darker (more chlorophyll) with more capacity to absorb solar energy.
- Increases the waxy sheen on the leaf.

POSSIBLE CAUSES OF IRON DEFICIENCY IN THE PLANT

- Soils with a low organic matter content.
- Soils with a high pH fix iron.
- Antagonism caused by increased phosphate, calcium, copper, manganese and zinc content in the soil.
- Excessive use of phosphate or high phosphate levels in the soil.
- Cold, wet weather conditions.

EC FERTILISER

PACKAGING

Available in 17.5 litre containers.



COMPOSITION

| | |
|-------------------------|--------------|
| Iron (Fe) water soluble | 46 g/kg |
| Complexed iron | 100 % |
| Stability range pH | 3,0-12,0 |
| Specific gravity | 1,3 |
| pH product | 4,5-5,5 |
| Appearance | Brown liquid |

APPLICATION RATES

Foliar application

(maximum concentration 1:200, unless stated otherwise)

- **Standard dosage:**
1.0 litre per hectare.
Repeat if necessary.
- **Arable crops:**
1.0 litre per hectare.
Apply at least 2 x season. Repeat if necessary.
- **Tree nursery:**
1.0 litre per hectare.
Container crops: 300 ml per 100 litres water.
Repeat every 2 weeks.
- **Fruit growing:**
1.0 litre per hectare.
Repeat if necessary.

Fertigation application

- **Standard dosage:**
2.0 litres per hectare.
Repeat if necessary.

Optima Leaf-Fe

The maximum concentration for the products from the Optima Leaf range is 1 litre of product per 200 litres of spray liquid (e.g.: dissolve 1 litre Optima Leaf-Fe+ 1 litre Optima Leaf-Trace in at least 400 litres of spray liquid).

Attn.: Do not exceed the total maximum dosage of 2 litres/hectare of Optima Leaf products.

INSTRUCTIONS FOR USE

- **Shake or stir well before use.**
- Store frost free, indoors in a dark place.
- The product may crystallise at too cold temperatures (<5 °C).
- For the best results, apply Optima Leaf-Fe in the early morning or late afternoon, to avoid strong sunlight. This minimises the risk of crop damage due to leaf burn. If the crop stays wet for longer, the nutrient uptake is improved.
- Optima Leaf-Fe is generally compatible with other products. However, with a pH more acidic than 4, iron can react with phosphate fertilisers.
- Never mix pure products together. We recommend carrying out a trial application on a small area first, before applying to the entire plot.
- This product has a shelf life of 3 years from the moment of production. The shelf life of the product is stated on the label. Opening the packaging in the meantime has no influence on this. As long as the guidelines for storage are followed the expiry date (BB) on the label is leading.

Warning: These recommendations are provided for guidance only. As Soiltech cannot exercise control over storage, handling, application or use, or weather, plant or soil conditions before, during or after application (all of which may affect the performance of our programme), no responsibility or liability for any failure in performance, losses, damages or injuries (consequential or otherwise) arising from such storage, application or use will be accepted under any circumstances. The buyer assumes all responsibility for the use of Soiltech products. Soiltech recommends consulting an agronomist prior to product application. Should these recommendations differ from any fertilising advice received, Soiltech recommends following that advice. If in doubt, Soiltech suggests you contact your consultant. The general terms and conditions of delivery apply to all our deliveries. These can be found on www.soiltech.nl.

