**Microcare® FORT Fe13**

**Chelated Micronutrients**

**Foliar Fe For the fast correction & cure Iron chlorises**

**Characteristics**

- Ethylenediaminetetraacetic acid ferric-sodium complex, EDTA- FeNa3H2O is a stable, water-soluble iron chelates.
- **Appearance**: Yellow green crystals
- **pH (5% solution)**: 4 - 5.5
- **Iron (Fe) content, minimum**: 13.1%
- **Level of chelation fully**

**Advantages Uses of Microcare® FORT Fe13**

Chelates give best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. There are many factors causing Fe deficiencies, e.g., alkaline soil conditions, sandy soils, high phosphate levels, dry soil conditions, cold soil conditions, poor root development, and not proper trace element application.

Iron (Fe) is essential for the production of chlorophyll and electron reduction in iron deficient plants, there is yellowing between the veins of the youngest leaves whilst older leaves remain dark green. In severe cases, youngest leaves become white and then die, as iron is immobile in the plant, repeated Foliar applications usually are needed as new leaves develop Microcare® FORT Fe13 for the fast correction of iron deficiency in crops and ornamentals growing adversely alkaline soils and calcareous soils, with pH> 7, high contents of carbonate, etc., which has a negative impact on Fe availability in the soil and Fe uptake by plant.

**Rates of use**

The following dosages can be used as guidance, the rates indicate upper and lower limits. Actual rates used will depend upon degree of deficiency, type and size of crop and environmental factors.

1. **Green house Crops**

<table>
<thead>
<tr>
<th>Crop</th>
<th>Deficient soil / compost</th>
<th>Foliar application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetables</td>
<td>15-25 g / 1000 l</td>
<td>01-05 g / l</td>
</tr>
<tr>
<td>Cut flowers</td>
<td>15-40 g / 1000 l</td>
<td>01-05 g / l</td>
</tr>
<tr>
<td>Ornamental pot plants</td>
<td>3 g / 1000 l</td>
<td>01-04 g / l</td>
</tr>
</tbody>
</table>

2. **Open field crops, arable, fruits and vegetables**

<table>
<thead>
<tr>
<th>Foliar application</th>
<th>Rate (kg/ha)</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray application</td>
<td>1-6 kg/ha</td>
<td>Apply in water volume that gives adequate coverage of the crop 3000-10000 l. Do not exceed the concentration of 8 liter/1000l.</td>
</tr>
<tr>
<td>Soil application, arable crops pH&lt; 6.5</td>
<td>2.5-5 kg/ha</td>
<td>Apply pre-drilling or pre-planting to bare soil in a convenient volume of water, cultivate after spraying.</td>
</tr>
<tr>
<td>Soil application, horticultural</td>
<td>2.5-5 kg/ha</td>
<td>Apply through watering. Use enough water to wash the iron chelate from the foliage. Or use last tributes the foliar application rate.</td>
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</tbody>
</table>

**Foliar application**

**General**

- Spraying should be carried out on a calm day, but not during strong sunshine, the best time is late afternoon or evening, when atmospheric humidity is greatest.
- The appropriate rate of Microcare® FORT Fe13 chelate should be dissolved in a convenient volume of water
- Spraying machines should be fitted with nozzles which produce a fine spray quality.
- To obtain maximum benefit, foliar applications should be started as early as possible in the season as soon as there is sufficient leaf area to absorb the spray. Where ever possible repeat, low dose applications are preferable.

**Irrigation - fertigation in soil**

Application is only recommended when soil pH is below 6.5. Use for alkaline soils Microcare® FORT Fe 6%. Apply it dissolved in water to the soil close to the plants or trunks or via drip irrigation. Microcare® FORT Fe13 chelate, should be injected into irrigation systems at a rate of 1kg per 10000 litres of water.

Repeat the application as necessary during the growing season.

**Packing**

Available in 1 Kg cardboard boxes with an inside polyethylene bag. For more information, please contact our distributor in your area or contact us via e-mail info@adfert.ae

**Disclaimer**

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