Foliar chelated Zn For the fast correction & cure Zn deficiency

Characteristics
- Ethylenediaminetetraacetic acid manganese-disodium complex, EDTA-ZnNa₂
- is a stable, water-soluble Zinc Chelate.
- Appearance: white micro granules
- pH (1% solution): 6 - 7
- Zinc (Zn) content: 15%
- Level of chelation: fully

Microcare® Fort Zn 15 is a stable, water-soluble and non-dusting Zinc chelate.

Advantages Uses of Microcare® Fort Zn 15
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 Zn deficiencies, e.g., alkaline soil conditions, and not proper trace element application. Zinc (Zn) is a component of enzymes involved in several biochemical processes including photosynthesis, sugar formation, and protein synthesis. Deficiency of zinc affects fertility and seed production, growth regulation, and defense against diseases. Zinc deficiency is a serious problem in many parts of the world, mainly in areas of calcareous and semi-arid soils. Zinc deficiency is found mainly in the Mediterranean area. Crop species vary in their susceptibility to zinc deficiency. The susceptibility of rice adds to the importance of zinc deficiency worldwide. Top fruit and maize are the more susceptible crops. Zinc deficiency has been reported in cereals and potatoes.

Microcare® Fort Zn 15 for the fast correction of Mn 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 Mn availability in the soil and Mn 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>Solvent culture</th>
<th>Foliar application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetables</td>
<td>6 g/1000 l</td>
<td>15 ml/g (1000 l)</td>
<td>0.05-0.1 g</td>
</tr>
<tr>
<td>Soil flowers</td>
<td>3 g/1000 l</td>
<td>15 ml/g (1000 l)</td>
<td>0.05-0.1 g</td>
</tr>
<tr>
<td>Potted flowers, pol plants</td>
<td>13 g/1000 l</td>
<td>0.5-0.6 g</td>
<td></td>
</tr>
</tbody>
</table>

2. Open field crops, arable fruits and vegetables Crops

- For preliminary preplanting of bare soil in a convenient volume of water, cultivate after spraying
- Apply 1/4 g/ha in the soil application rate.
- Apply through watering systems. Use enough water to wet the top 15 cm of the soil. Use clean water immediately afterwards to wash the copper chelate from the foliage. Or use last 5 minutes the foliar application rate.
- Apply in water volume that gives adequate coverage of the crop 100-150 l/h.
- Do not exceed the concentration of 1% unless tested.
- Apply 1.5 kg/ha for cereals

Foliar application
Foliar feeding provides a fast correction
- 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.
- Spraying machines should be fitted with nozzles which produce a fine spray quality.
- Application during fruit setting can cause a rough fruit skin in fruit bearing crops.
- Where local experience of successful use is not available we strongly recommend small scale test applications before wide-scale use.

Soil
Microcare® Fort Zn 15 chelate application gives best results when soil pH is below 7.5. Consider foliar application for high pH soils. Apply it dissolved in water to the soil close to the plants or trunks should be injected into irrigation systems at a rate of 1 kg per 10,000 liters of water. Repeat the application as necessary during the growth season.

Packing
Available in 1 Kg cardboard boxes with an inside polyethylene bag.

For more information, please contact your distributor or contact us via e-mail: info@adfert.com

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