Foliar chelated Cu for the fast correction & cure Cu deficiency

**Characteristics**

- Ethylenediaminetetraacetic acid copper-disodium complex, EDTA - CuNa₂
- Is a stable, water-soluble copper Chelates.
- Appearance: Blue micro granules
- pH (% solution): 6 - 7
- Copper (Cu) content: 15%
- Level of chelation: fully

Microcare® FORT Cu 15 is a stable, water-soluble and non-dusting copper chelate

**Advantages Uses of Microcare® FORT Cu 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 Cu deficiencies, e.g.: alkaline soil conditions, and not proper trace element application.

Copper is an essential component of various enzymes involved in photosynthesis, respiration, protein synthesis and regulation of plant hormones. Owing to these diverse roles, deficiency of copper can lead to a variety of problems in plant growth some of which may display no visible symptoms apart from a loss of yield, particularly in cereals. Copper is relatively immobile in plant tissue, deficiency symptoms therefore tend to appear initially in young tissues. Severely affected cereals show pale green young leaves which may become twisted and whitened. In sugar beet, young leaves become darker, blue green while older leaves show white tips.

Microcare® FORT Cu 15 for the fast correction of Cu 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 Cu availability in the soil and Cu 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>Cu Deficient soil / compost</th>
<th>Soilless culture</th>
<th>Foliage application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetables</td>
<td>0.6 gr/1000 l</td>
<td>0.2-0.4 gr/1000 l</td>
<td>0.2-0.7 ml</td>
</tr>
<tr>
<td>Cut flowers</td>
<td>0.5 gr/1000 l</td>
<td>0.2-0.3 gr/1000 l</td>
<td>0.2-0.7 ml</td>
</tr>
<tr>
<td>Rooted flowers, pot plants</td>
<td>0.2 gr/1000 l</td>
<td>0.2-0.6 ml</td>
<td></td>
</tr>
</tbody>
</table>

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

| Soil application, arable crops | 1.2 kg/ha | Apply pre-drilling or pre-planting to bare soil in a convenient volume of water, cultivate after spraying |
| Soil application, horticultural crops | 0.5-1.5 kg/ha | Apply through watering system. Use enough water to wet the top 15 cm of the soil. Use clear water immediately after watering to wash the copper chelate from the foliage. On use, soak 5 minutes the foliar application rate. |
| Foliage application, Citrus | 0.2-0.3 kg/ha | Apply in water volume that gives adequate coverage of the crop 500-1000 l. Do not exceed the concentration of 8 l/ha, unless tested. |
| Foliage application, Apple/Pear | 0.2-0.3 kg/ha | |
| Wheat | 0.2-0.4 kg/ha | |

Never exceed the recommended application rate. In the case of severe deficiencies, applications may have to be repeated at 7-10 day intervals. Repeat the application as necessary during the growing season.

**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.

- Spraying machines should be fitted with nozzles which produce a fine spray quality

**Soil**

Microcare® FORT Cu EDTA chelates should be injected into irrigation systems at a rate of 1 kg per 10,000 liters of water when the pH is 75 you should repeat the application in the same season.

**DISCLAIMER**

All statements are to the best of our knowledge and information is believed to be correct. Your conditions of use and application of our products may be based on information from such statements. All such statements are intended as a guide and are not exhaustive. They are provided by us without warranty of any kind or statements. Adhered specifically are not responsible or held liable for the use of the suggested formula and should consult local authorities or refer to the literature where necessary. We are not responsible for any specific accident or consequential damages which may arise from application.

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