



# YaraVita™

## Coptrel™ 500

### Foliar treatment for copper deficiency

#### Guaranteed Analysis:

copper (Cu) total	50% w/v	500 g/l
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#### Why Foliar Apply?

Foliar application provides nutrients for immediate uptake by the leaves or fruits. As a result, the grower is not reliant on the right soil, pH or growing media conditions and can quickly put the crop back on course.

In addition, foliar sprays ensure precise application of the right nutrient mix at the right time, and can be specifically targeted to the leaf or fruit, to suit an immediate crop need.

#### Copper requirements:

Copper is essential for photosynthesis, various enzyme function and flower and seed formation. It is also key for lignin synthesis, which gives physical strength to shoots and stems and vascular tissues required for water movement in the plant.



#### Benefits:

- Formulated for safe application at critical growth stages to satisfy crop requirements
- Widely tank mixable with other crop sprays. Visit [www.tankmix.com/yara](http://www.tankmix.com/yara) for details
- Proven, reliable performance. Trialled and tested on a wide range of crops around the world
- High quality, consistent product. Manufactured to ISO 9001 quality assurance standards
- Easy to use liquid formulation. Pours and disperses easily and quickly into the spray tank
- High nutrient content means lower application rates reducing handling time and waste packaging

The information provided is accurate to the best of Yara's knowledge and belief. Any recommendations are meant as a guide and must be adapted to suit local conditions. Always read the label before use.

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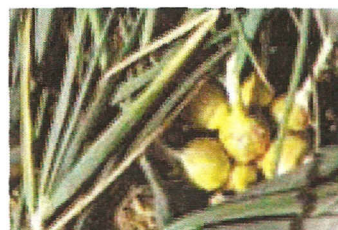


## COPPER IN THE PLANT

Copper is involved with substances which help to maintain the delicate balance of hormones, cell wall strengthening, flower colour and defense responses.

The curling and twisting of young leaves is a symptom common to all copper deficient plants, due to poor cell wall strength and not to water imbalance. Furthermore, copper uptake from the soil is highest when plants are young and this is when deficiencies are most often seen.

In copper deficient plants, elements such as N, P, K, Ca, Mg and Mo can actually accumulate in the tissues. Their uptake is obviously not affected but their use is restricted due to the copper induced reduction in growth.



## APPLICATION RATES AND TIMINGS

**Always read the label before using the product.**

*Product application rates depend on plant requirements. Rates to correct a deficiency will be higher than rates used for maintenance purposes.*

**Cereals:** 0.5 l/ha from 2 leaf stage to second node detectable (Zadok's G.S. 12 to 32).

Water rate: minimum 50 l/ha.

**Maize/Sorghum:** 0.5 l/ha at the 4 to 8 leaf stage. Water rate: minimum 30 l/ha.

**Sugar Cane:** 0.5 l/ha when cane is between 30 and 120 cm tall. Repeat applications may be necessary at 10 to 14 day intervals. Water rate : minimum 30 l/ha.

**Peas (field grown):** 0.25 l/ha at the 4-6 leaf stage. Water rate: minimum 200 l/ha.

**Beans (field grown):** 0.5 l/ha at the 4 to 6 leaf stage. Water rate : minimum 30 l/ha.

**Sunflower:** 0.25 l/ha applied at 4 to 5 leaf stage. Water rate: minimum 200 l/ha

**Potatoes:** 0.5 l/ha applied 7 to 14 days after 100% emergence. Water rate: minimum 200 l/ha.

**Avocado:** 0.5 l/ha applied to flush of new growth prior to flowering. Water rate: minimum 500 l/ha.

**Pepper (field grown)/Tomato (field grown)/**

**Groundnuts/Peanuts:** 0.5 l/ha at the 4 to 6 leaf stage. Water rate: minimum 200 l/ha.

**Coffee:** 1 l/ha applied at start of new growth. Water rate : minimum 400 l/ha.

**Cotton:** 0.25 l/ha applied at 4 to 6 leaf stage. Water rate: minimum 200 l/ha.

**Tea:** 0.5 l/ha applied during plucking season. Repeat at approximately 1 month intervals.

Spray 2 to 6 applications. Water rate: minimum 200 l/ha.

**Tobacco:** 0.5 l/ha at 3 to 4 leaf stage. Repeat 10 days later if necessary.

Water rate : minimum 30 l/ha.

**Eucalyptus:** 0.5 to 3 l/ha applied during spring or autumn flush.

Water rate: minimum 20 l/ha.

**Onion:** 0.5 l/ha two weeks after transplanting, or in the case of direct sown crops, when the is 15 cm tall. Repeat applications at 10 to 14 day intervals.

**Bananas:** One application of 0.5 l/ha at early canopy development before flowering. Water rate : minimum 30 l/ha.

**Nursery stock/ornamentals:** 0.25 l/ha as soon as there is sufficient leaf area to intercept a spray. Repeat at 10 to 14 day intervals as necessary. Do not spray once first buds have started to open. Spray a maximum of three applications per annum. Water rate : minimum 100 l/ha. N.B. This product may leave a visible residue.



Always read the label before using the product. Utilise soil and leaf analysis to check your crop's nutritional status. For more information on Phosyn and Phosyn products visit [www.phosyn.com](http://www.phosyn.com).

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