

BIOMINTM

COPPER

Soluble Powder,
Single Mineral Biomin Copper



GUARANTEED ANALYSIS

Dry Weight Basis %/w/w
Copper (Cu) 17.0
As amino acid Chelate

Dry Weight Basis %/w/w
Nitrogen (N) 5.9
As amino acid

GENERAL INFORMATION

Biomin Copper is an amino acid chelated mineral. The chelating agent is mainly glycine, the smallest amino acid commonly used by and found in plants. The unique formulation of **Biomin Copper** classifies it at the top of the range of all chelated minerals.

Biomin Copper is a readily bio-available plant single mineral product. The highlights of such a product include almost total absorption within a few hours after application. The chelating agent Glycine prevents the precipitation of the product and enables all the minerals to move freely inside the plant making the product highly systemic.

Biomin Copper is ideal for all crops.

ADVANTAGES & BENEFITS

Biomin Copper is a bio-available organic plant nutrient that is systemic, readily available and non-phytotoxic.

Biomin Copper is very stable in formulation

Biomin Copper:-

- 1) Is a highly systemic form of Copper that can be used when severe Copper deficiencies exist.
- 2) Promptly rectifies Copper deficiencies, particularly before dormancy when plants can have their lowest levels of Copper.
- 3) Has shown phenomenal results on crops such

as tomatoes and brassicas which respond significantly to Copper applications.

Biomin Copper is used for lignin synthesis which is needed for cell wall strength and the prevention of wilting

Biomin Copper is wax soluble, therefore is extremely available to the plant and only small amounts of this element are required to achieve desired results.

Biomin Copper aids in preventing plant and fruit susceptibility to disease by increasing the overall health and mineral balance of the crop.

COMPATIBILITY

Always run a compatibility test before spraying **Biomin Copper** with other chemicals.

Biomin Copper is compatible with many fungicides and insecticides.

Biomin Copper is **INCOMPATIBLE** with Phosphorous, Calcium and Potassium foliar nutrients.

PLANT and ENVIRONMENTAL SAFETY

Biomin Copper is totally harmless to plants. Exceeding recommended rates is not recommended and unnecessary.

Biomin Copper is totally harmless to both humans and wildlife and is environmentally friendly.

IMPORTED and DISTRIBUTED EXCLUSIVELY IN NEW ZEALAND BY

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APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES & PEARS	1 st application	2 weeks before dormancy **Do not apply Copper until after harvest	0.5 — 1 kg/ha
GRAPES (TABLEGRAPES, & DRIED FRUIT)	1 st application	6 weeks before dormancy (optional) **Do not apply Copper until after harvest	0.5 — 1 kg/ha
WINEGRAPES	1 st application	6 weeks before dormancy (optional) **Do not apply Copper until after harvest	0.5 — 1 kg/ha
KIWI GOLD and HAYWARD	1 st application	6 weeks before dormancy (optional) **Do not apply Copper until after harvest	0.5 — 1 kg/ha
STONE FRUIT & CHERRIES	1 st application	2 weeks before dormancy **Do not apply Copper until after harvest	0.5 — 1 kg/ha
BRASSICAS and ONIONS	2-3 applications	As needed (based on plant requirements)	250 g — 0.5 kg/ha
TOMATO, CAPSICUM and other VEGETABLE CROPS	2-3 applications	As needed (based on plant requirements)	250 g — 0.5 kg/ha

For information on application rates and timing for crops not listed on this brochure, please contact your local distributor or visit the RSF website at www.rd2.co.nz

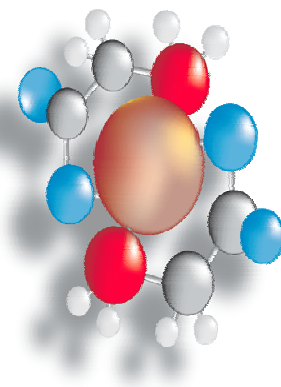


It is always advisable that a leaf sample be taken before applying fertilisers to best ascertain the levels of elements and the nutrient requirements of the crop.

Functions of Copper in Plant Nutrition

Copper is necessary for carbohydrate and nitrogen metabolism, so inadequate copper results in stunting of plants. Copper also is required for lignin synthesis which is needed for cell wall strength and prevention of wilting. Copper uptake decreases as soil pH increases. Therefore the application of Copper on alkaline soils is warranted if the plant is deficient in Copper. Increased phosphorus and iron availability in soils decreases copper uptake by plants.

Copper tends to be slightly immobile in plants, therefore deficiencies of copper manifest themselves in the following forms:- stunting, tip death, new leaf twist, blue-green leaves, necrosis, loss of turgor. Copper deficiencies are mainly reported on organic soils (peats and mucks), and on sandy soils which are low in organic matter.



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