Bioxy® Cu

Copper deficiency corrector with seaweed

MAFA
VEGETAL ECOBIOLOGY

Technology Copper + Auxins + Cytokinines + Betaines

FERTILIZERS

Root application

Bioxy Cu is formulated for preventing and correcting copper deficiency. Copper acts as a catalyst of many enzymatic reactions, is involved in photosynthesis, and facilitates proteins synthesis and acts as chlorophyll stabilizer.

It is used as a copper source, when the crop needs to improve the respiration and photosynthesis in order to increase its development and/or induce polyphenols and phytoalexins biosynthesis, which are natural defence precursors.

A liquid formulation, enriched in natural algae extracts (auxins, cytokinins and betaines) and contains a high concentrations of carbohydrates and vitamins, which are complemented with copper to improve all process related with the growth, blooming, fruits setting, fattening and repining.

- It is a part of ascorbic acid, phenol and cytochrome oxidase enzymes and is involved in photosynthetic electron transport chain.
- It favours the use of nitrogen, protein synthesis and acts as a chlorophyll stabilizer.
- Avoids the risk of decreasing fruit quality and allowing coloration development for plants, which are affected with necrosis.
- It permit a rapid assimilation and mobilization of copper within the plant, maximizing the efficacy in applications.

Application method and Doses

Crops	Foliar feeding	Observations
Horticulturals	300-400 cc/hl	Make 3 to 4 applications, on a two-week intervals, starting 15 days after transplantation.
Vitis (grapevine), Kiwi	200 - 300 cc/hl	Apply every 15 days from 20cm buds (3 application).
Fruit trees	200 - 300 cc/hl	Apply from newly formed fruit until color change.
Citrus	300 cc/hl	Apply at growth buds, during spring and autumn.
Cranberry, raspberry and strawberry	200 - 300 cc/hl	Apply from sprouting to harvest, on a 15 days intervals.
Potato	300-400 cc/hl	start applications after 30 days of emergency to enhance the photosynthesis.

Physical proprieties

Formulation	Color	pH (Liquid Solution)	Density (g/cm^3) 20°C	Conductivity E.C. -1% (mS/cm) 18°C
Liquid	Dark Brown	9	1,20	0,64 mS/cm

Composition p/p

Copper (Cu) water soluble	Organic matter
4%	20%

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