

# Copp.ion<sup>+</sup>®

Ionic Copper Concentrate  
with ionic Zinc and Magnesium



LIQUID  
FERTILIZER  
BASED ON  
COPPER, ZINC,  
AND MAGNESIUM  
IONS FOR FOLIAR  
APPLICATIONS.



COMBINED  
TRIPLE IONIC  
ACTION FOR  
ROBUST,  
RESISTANT, AND  
PRODUCTIVE  
PLANTS.

Trace Element Fertilizer



# Copp.ion<sup>+</sup>

COPPER, ZINC AND MAGNESIUM IONS

## With the triple power of copper, cuprous oxide, and magnesium ions

Copp.ion+ is manufactured using innovative metal processing technology that results in the natural creation of stable water-soluble ions of copper, zinc, and magnesium that remain unaltered over time, regardless of environmental conditions. Each water ion takes on a unique three-dimensional structure, allowing it to act in a distinctive way. This is due to the high penetrative capacity of copper, zinc, and magnesium in their ionized form, which significantly enhances the plant's resistance, defense, and ultimately its robustness.

## Mechanism of Action of Copp.ion+

Due to its high penetration capacity, Copp.ion+ passes through cellular walls and membranes without hindering absorption by the plant's outer protective layers. This results in rapid diffusion and availability within the plant's cellular mechanisms, providing its nutritional and protective properties to all plant tissues. Simultaneously, it contributes to the activation of the absorption of other trace elements and metals due to its ability to break down complex metal salts and facilitate their release.



## Copp.ion+: Unique Canadian Technology

Copp.ion+ is produced using innovative technology that achieves the creation of active ions of copper, zinc, and magnesium complexed with water molecule dipoles. These ions penetrate rapidly into plant tissues, moving to areas where these three trace elements are needed, easily crossing cellular membranes, and providing plants with immediate and effective nutrition. The results are so rapid that they become visible within 2-3 days of application.



## Superiority of Copp.ion+ Compared to Other Copper Formulations

- Copp.ion+ contains the most active and stable form of copper, zinc, and magnesium from a biological perspective, while most copper formulations lose their effectiveness at high pH levels. Therefore, Copp.ion+ can be used without issues at a wide range of pH levels.
- Due to the low pH value of the formulation, Copp.ion+ reduces the pH value of the spray solution, helping the action of phytosanitary products when they are applied in a mixture with Copp.ion+ in the spray solution.
- Copp.ion+ does not settle or form residues. It remains uniformly distributed and completely dissolved in its original packaging as well as throughout the volume of the spray solution when dissolved.
- Thanks to its high penetration capacity, Copp.ion+ is used in much lower concentrations compared to other copper forms, reducing phytotoxicity and allowing its application at all stages of crop development.
- The low copper concentration in ionic form does not create residues in crops and, at the same time, enhances the product's effectiveness.



## APPLICATION OF COPP.ION+ IN CROPS

Copp.ion+ should be applied preventively to avoid symptoms of copper and copper sulfate deficiency and to enhance plant defense. The dosage for foliar application ranges from 50 to 200 ml per 100 liters of water, depending on the type of crop. For soil application with drip irrigation, the dosage varies from 200 to 500 ml per hectare, depending on the type of crop, its requirements, and soil properties.

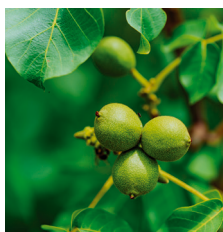
For foliar applications, it is recommended to perform early morning or late evening sprays for better absorption of the product by plant tissues.



### VINEYARDS

**FOLIAR SPRAYS:** 100-150ml / 100 liters of water, every 10-14 days, from the beginning of vegetative growth until grape closure.

In extreme cases, and when necessary, the dosage can be increased to 200ml / 100 liters of water.



### OLIVE AND WALNUT

**FOLIAR SPRAYS:** 100-170ml / 100 liters of water, every 10-14 days, from the start of vegetative growth until two weeks before harvesting.

In extreme cases, the dosage can be increased to 200ml / 100 liters of water.



### POME FRUIT (APPLES, PEARS, QUINCES), KIWI AND CITRUS (ORANGES, MANDARINS, LEMONS, GRAPEFRUITS)

**FOLIAR SPRAYS:** 100-150ml / 100 liters of water, every 10-14 days, from the start of the vegetative period until two weeks before harvest. In extreme cases, the dosage can be increased to 200ml / 100 liters of water.



### STONE FRUIT (PEACHES, APRICOTS, CHERRIES, PLUMS, ALMONDS)

**FOLIAR SPRAYS:** 100-150ml / 100 liters of water, every 14-21 days, with an emphasis on the stages of bud swelling and petal fall. In the case of peaches, no more than 2 consecutive copper sprays (Copp.ion+ or another copper-based formulation) should be applied within intervals shorter than 21 days.



### OUTDOOR AND GREENHOUSE VEGETABLES: SOLANACEOUS (TOMATOES, PEPPERS, EGGPLANTS, POTATOES) AND CUCURBITS (CUCUMBERS, ZUCCHINIS, MELONS, WATERMELONS)

**FOLIAR SPRAYS FOR SOLANACEOUS:** 70-150ml / 100 liters of water, depending on the size and growth stage of the crop, every 14 days.

**FOLIAR SPRAYS FOR CUCURBITS:** 50-100ml / 100 liters of water, depending on the size and growth stage of the crop, every 14-21 days.



### LEAFY VEGETABLES (LETTUCE, SPINACH, CELERY, CABBAGE, CAULIFLOWER, BROCCOLI, ARUGULA)

**FOLIAR SPRAYS:** 50-100ml / 100 liters of water, depending on the size and growth stage of the crop, every 14 days.



## BENEFITS OF USING Copp.ion<sup>+</sup>

- The ionic form of copper, zinc, and magnesium in Copp.ion<sup>+</sup> allows for rapid penetration into plant tissues and maintains its effectiveness regardless of weather conditions.
- Copp.ion<sup>+</sup> does not stain or blemish leaves and fruits.
- It can be applied at all stages of the growing cycle, even during flowering, without causing phytotoxicity.
- It enhances plant resistance to winter and spring frosts.
- It has very low residual toxicity.
- It is compatible with integrated management systems in organic (in accordance with EU Regulations 834/07 and 889/08) and biodynamic farming.
- It is 100% water-soluble and does not create sediment. It does not clog pipes and nozzles in sprayers and irrigation systems.
- It provides excellent efficacy in foliar and soil applications through hydroponic systems and root irrigation. Ensures increased high-quality yield.



Copp.ion<sup>+</sup>

Liquid fertilizer based on copper, zinc, and magnesium ions for foliar applications.



### COMPATIBILITY

Copp.ion<sup>+</sup> is not compatible with Phosetyl-AL.  
In any case of combination with other products, it is recommended to conduct a small-scale test.



### PHYTOTOXICITY

It does not cause phytotoxicity at recommended doses.  
Pay attention to the usage instructions provided on the product label.

### ATTENTION!

Read the label carefully before use

AgroCu<sup>re</sup>

STAMP