

# Protect-Cu<sup>2+</sup>™

## Complex Amino Acid Chelated Copper



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### Technical Data Sheet

## DESCRIPTION

Protect-Cu<sup>2+</sup>™ is designed for plant leaf surfaces which lack copper. Amino acid chelated dosing enables nitrogen and copper to rapidly enter the plant.

## BENEFITS

- Plant-source amino acids: Free amino acids with small molecular weight promote rapid entry into crops as well as fast absorption. This can alleviate symptoms of nutritional deficiency within a short period in crops while boosting their quality and production.
- Enzyme core cofactors: Copper ions take part in the production of chlorophyll, nutrient transformation, and oxidative enzymes during the photosynthesis /respiration process. It promotes plant utilization of proteins, and is especially vital for legumes.
- Amino acid chelated copper: Copper ions do not travel well within plants, so amino acid chelated copper is most easily absorbed by crops. Foliar spray is the

appropriate supplementation method.

## ACTIVE INGREDIANT

Complex Amino Acid .....	15.0 %
Copper(Cu).....	5.5 %
Other ingredients.....	79.5 %

## WARNING

- This product is not edible. If it accidentally enters the eyes, please rinse immediately with a large amount of water. If discomfort persists, please consult a medical professional immediately.
- Do not mix with alkaline materials or pesticides. Be sure to test the addition of any substances on a small scale to prevent adverse reactions before wider application.
- This fertilizer contains copper. Excessive application may cause toxicity and soil pollution. Please use only according to the method and usage dose specified in the instructions.

## APPLICATION

CROPS	APPLICATION OF TIME	DILUTION RATE	DOSAGE (L/HA)
ALL OF CROPS	USE WHEN PLANTS ARE DEFICIENT IN COPPER. APPLY TO THE ENTIRE PLANT VIA FOLIAR SPRAY. AN INTERVAL OF 10 TO 14 DAYS IS REQUIRED BETWEEN APPLICATIONS.	1,000-2,000	0.5-1.5

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### TYPICAL PROPERTIES

Appearance (25 °C).....	Liquid
Color.....	Dark Greenish-blue
Odor.....	Slight odor
pH value.....	2-3
Density(g/cm <sup>3</sup> ).....	1.18

### STORAGE & HANDLING

1. Storage and transportation:  
Keep in a cool and dry place. Avoid direct sunlight and high temperature.
2. Spills and Disposal:  
Use protective solvent resistant gloves to avoid skin contact. Small spills can be wiped up with vermiculite or other suitable absorbent material and removed to an approved disposal container. Large spills should be absorbed by dirt, sand, or other suitable absorbents for disposal. Do not hose spills down drains. Move leaking containers to well ventilated area. No Smoking. Eliminate any source of ignition. Avoid inhalation.
3. Extinguishing measure:  
Use water or dry chemical powder or CO<sub>2</sub>.
4. Standard Packaging:  
Protect-Cu<sup>2+</sup>™ is available in bulk and in 20L drums.

### SHELF LIFE

4 years from production date.

### HEALTH HAZARD

1. Swallowed:  
When a person swallows a large quantity of product, give the victim a lot of water and try to get the victim to vomit.
2. Eyes contact:  
Gently rinse the effected eyes with clean water.
3. Skin contact:  
Rinse with clean water.
4. Inhaled:  
When a person in hales a large amount of gas introduced be remove the victim from the contamination to fresh air. Keep the victim warm and quiet.
5. First aid facilities:  
None

