

MIST Cu



MIST-Cu® is a nanomineral dispersion with optimal levels of copper, potassium, silicon, and sulfur.

Copper is an essential micronutrient for plant growth, reproduction, and respiration. It plays a key role in photosynthesis, helping uniform flower development and cell maturation, and contributes to the synthesis of lignin and enzymatic systems. It also influences carbohydrate metabolism.

- Potassium helps regulate ionic balance and micronutrient translocation
- Silicon enhances resistance to biotic and abiotic stress
- Sulfur, like zinc, is involved in protein synthesis and is a structural component of organic molecules.

BENEFICIAL EFFECTS:

1. Essential for photosynthesis and enzyme activity.
2. Regulates nitrogen metabolism.
3. Commonly used as a preventative against diseases such as downy mildew, Alternaria, and others.

GUARANTEED CONTENT:

Copper: 2,4%
Boron (B): 0,04%
Zinc (Zn): Traces

PHYSICOCHEMICAL PROPERTIES:

pH: 7.2 at 20°C
Density: 1.21 – 1.41 g/cc
Reaction / Index: NEUTRAL

STORAGE CONDITIONS:

- Store between -5°C and 35°C.
- Keep in a cool place, away from direct sunlight.
- Avoid vapor formation.

VOLUME:

15 L Bag-in-Box.

PACKAGING:

Shipping unit: 56 units per pallet (total 840 L)
→ Easily transportable by light truck
→ Covers over 400 hectares

APPLICATION & DOSAGE:

Extensive – Industrial – Fruit Crops.

Apply by drench or fertigation at plant base

Crop	Applications	L / Ha per application	Total L / Ha	Timing
Soybean	1	0.5 a 1	0.5 a 1	From 2nd leaf to first node
Corn	1	0.5 a 1	0.5 a 1	V1 to V3 stages
Wheat	1	0.5 a 1	0.5 a 1	Z12 to Z31 (Zadoks scale)
Barley	1	0.5 a 1	0.5 a 1	Z12 to Z31 (Zadoks scale)
Grapevine	1	0.5 a 1	0.5 a 1	Prior to visible bud burst
Cotton	1	0.5 a 1	0.5 a 1	From 4th to 6th leaf stage

Intensive Crops – Fertigation:

General horticulture: 800 to 1000 cc/ha per application.
Several applications are recommended: 4 to 6 L/ha per crop cycle.

USE RECOMMENDATIONS:

- Remove the bag from the box and homogenize before use
- Product may show phase separation; shake vigorously to restore optimal condition

Spray Application:

- Clean equipment before use
- Mix the dose with 50% of total water volume, agitating continuously
- Use 80–100 L/ha of water
- Pressure: 2 to 3 bar, not exceeding 3
- Spray speed: 18–20 km/h
- Use hollow-cone nozzles
- During refills, keep at least 15% tank volume to remix
- After use, rinse with 200 L of water, then clean as usual

Fertigation:

- Prepare a mother solution with 50% of irrigation water
- Add the rest while maintaining agitation
- Avoid using air blowers
- Rinse the system and pipes with clean water after application

PRECAUTIONS & WARNINGS:

This product is guaranteed for the declared content and concentrations. However, performance may be affected by factors beyond the company's control (e.g. mixing, application, weather).
The user is responsible for any crop, soil, or equipment damage due to improper use or failure to follow instructions.
Use only when agronomically necessary, without exceeding recommended doses.
Application under agronomic supervision is strongly advised.