

# MIST B



**MIST-B®** is a mineral nanoparticle dispersion with optimal concentrations of boron, calcium, magnesium, sulfur, and silicon.

- Boron is essential for cell wall synthesis, cell division, and plays a crucial role in protein synthesis, sugar and carbohydrate transport, nitrogen metabolism, hormone level regulation, and the transport of potassium to stomata, which helps regulate internal water balance.
- Calcium enhances nutrient absorption.
- Magnesium is vital for photosynthesis.
- Silicon increases resistance to biotic and abiotic stress.
- Sulfur is a structural component of organic molecules.

## BENEFICIAL EFFECTS:

1. Rapid assimilation of calcium, improving nutrient transport.
2. Local pH regulation and base saturation.

## GUARANTEED CONTENT:

- Boron: 2%
- (Expressed as % on dry matter basis)

Also contains (nanomineral contribution):

Calcium: 3.2%  
Magnesium: 0.4%

## PHYSICOCHEMICAL PROPERTIES:

- pH: 6.5 at 20°C
- Density: 1.25 – 1.41 g/cc
- Reaction / Index: NEUTRAL

## STORAGE CONDITIONS:

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

## VOLUME:

15 L Bag-in-Box.

## PACKAGING DE DESPACHO:

Shipping unit: 56 boxes per pallet (total 840 L)

- Easily transportable in light trucks
- Covers over 400 hectares

## APPLICATION & DOSAGE:

### Extensive – Industrial – Fruit Crops:

Apply by drench or fertigation at the plant base.

Crop	Applications	L / Ha per application	Total L / Ha	Timing
Soybean	1	0.5 a l	0.5 a l	3rd to 6th stage
Corn	1	0.5 a l	0.5 a l	From 4-leaf stage to the beginning of stem elongation
Wheat	1	0.5 a l	0.5 a l	From 4-leaf stage to the beginning of stem elongation
Barley	1	0.5 a l	0.5 a l	From 4-leaf stage to the beginning of stem elongation
Sunflower	1	0.5 a l	0.5 a l	From 4-leaf stage to the beginning of stem elongation
Pastures	1	0.5 a l	0.5 a l	After cutting, once there is enough foliar coverage (every 3 to 4 cuts) (*)

(\*) In case of moderate to serve nutrient deficiency

### Intensive Crops – Fertigation:

General horticulture: 800 to 1000 L/ha per application.  
Several applications are recommended: 3 to 6 L/ha per crop cycle.

## USE RECOMMENDATIONS:

- Remove the bag from the box and homogenize before use
- If phase separation is observed, shake vigorously to restore optimal condition

### Spray Application:

- Clean the sprayer before use
- Mix the dose with 50% of total water volume, maintaining continuous agitation
- Recommended spray volume: 80-100 L/ha
- Pressure: 2-3 bar (do not exceed 3)
- Speed: 18-20 km/h
- Use hollow-cone nozzles
- During refills, keep at least 15% tank volume to ensure remixing
- After application, rinse with 200 L of clean water, then perform standard cleaning

### Fertigation:

- Prepare a mother solution with 50% of the irrigation water volume
- Add the remaining water while maintaining constant agitation
- Avoid air blowers
- Flush the system with clean water after application

## PRECAUTIONS & WARNINGS:

The company guarantees the declared content and richness. However, product performance may be influenced by factors beyond our control (e.g., mix preparation, application, weather).

The user is responsible for any crop, soil, or applicator damage due to partial or total disregard of these instructions.

Use only when agronomically necessary, without exceeding the recommended dosage.

Agronomic supervision is strongly advised.