

MIST K



MIST-K®, is a nanomineral dispersion in which potassium is housed in porous structures, acting as a carrier that stores and gradually releases the element as needed by the plant or soil.

In addition to potassium, it contains calcium, magnesium, sulfur, and silicon.

- Potassium plays a key role in water regulation (osmoregulation) and is essential in nearly all stages of protein synthesis. It also activates the enzyme responsible for starch production.
- Calcium improves nutrient absorption.
- Magnesium is vital for photosynthesis.
- Silicon increases the plant's resilience to biotic and abiotic stress (salt, heat, metal toxicity, nutrient imbalances).

BENEFICIAL EFFECTS:

1. Rapid assimilation of calcium, improving transport of all nutrients
 2. Silicon helps overcome salt, water, and heat stress, as well as metal toxicity and nutrient imbalance
- Final result: increased crop quality, and enhanced supply of macro- and micronutrients

GUARANTEED CONTENT:

Potassium: 3.5% (source: potassium chloride)
 Calcium: 6.5%
 Magnesium: 1.3%
 Sulfur: 2.8%

PHYSICOCHEMICAL PROPERTIES:

pH: 7.3 at 20°C
 Density: 1.26 – 1.39 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:

Shipping Unit: 56 units per standard pallet (total 840 L)
 → Easily transported in a light truck
 → Coverage: 400+ hectares

APPLICATION & DOSAGE:

Extensive / Industrial / Fruit Crops.

Apply via drench or fertigation at the plant base.

Crop	Applications	L / Ha per application	Total L / Ha	Timing
Soybean	1	1.5 a 2.5	1.5 a 2.5	Flowering
Corn	1	1.5 a 2.5	1.5 a 2.5	Tasseling
Wheat	1	1.5 a 2.5	1.5 a 2.5	Heading or Flowering
Barley	1	1.5 a 2.5	1.5 a 2.5	Flowering
Sunflower	1	1.5 a 2.5	1.5 a 2.5	Flowering
Pastures	1	1.5 a 2.5	1.5 a 2.5	Flowering
Rice	1	1.5 a 2.5	1.5 a 2.5	Heading
Cotton	1	1.5 a 2.5	1.5 a 2.5	Capsule Formation

Intensive Crops – Fertigation Application

General horticulture: 2 to 3.5 L/ha per application.
 Several applications per cycle are recommended
 → 15 to 20 L/ha per crop cycle.

USE RECOMMENDATIONS:

- Remove the bag from the box and homogenize before use
- Product may present phase separation; shake vigorously before use

Sprayer Instructions:

- Clean sprayer thoroughly before use
- Mix the dose with 50% of total water volume, maintaining continuous agitation
- Apply with 80-100 L/ha of water
- Pressure: 2-3 bar, not exceeding 3
- Maintain application speed of 18-20 km/h
- Use hollow-cone nozzles
- For refills: keep at least 15% tank volume before re-mixing
- After application: rinse sprayer with 200 L of clean water and clean as usual

Fertigation Instructions:

- Prepare a mother solution with 50% of the irrigation water volume
- Add the rest of the water under constant agitation
- Avoid the use of air blowers
- After application, rinse the system and irrigation lines with clean water

PRECAUTIONS & WARNINGS:

This product's declared content and composition are guaranteed. However, performance may be influenced by factors beyond our control (e.g., mix preparation, application method, weather). The user is responsible for any damage to crops, soil, or equipment caused by partial or complete disregard of these instructions. Use only when agronomically necessary and do not exceed recommended dosages. Agronomic supervision is strongly recommended.