

MIST P



MIST-P® is a dispersion of mineral nanoparticles with an optimal concentration of phosphorus, sulfur, calcium, and silicon.

Phosphorus is a fundamental nutrient for plant growth, involved in all energy transfer processes as part of energy metabolites (ATP, ADP, AMP), which drive all biochemical reactions in plants and soils.

It plays a role in cell division, nutrient transport, and growth regulation. It is also vital for the synthesis of amino acids, proteins, and enzymes.

Providing phosphorus in optimal quantities leads to forage and grains with higher protein content.

Calcium improves nutrient absorption, and magnesium is essential for chlorophyll formation, thus enhancing photosynthesis.

BENEFICIAL EFFECTS:

1. Highly efficient phosphorus uptake for crops
2. Rapid calcium assimilation, enhancing the transport of other nutrients

GUARANTEED CONTENT:

Phosphorus: 4.0%

Calcium: 11.2%

PHYSICOCHEMICAL PROPERTIES:

pH: : 6,5 to 7 at 20°C

Density: 1.24 – 1.40 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: Standard pallet with 56 boxes (840 L)

→ Easy to transport by light truck

→ Covers over 400 hectares

APPLICATION & DOSAGE:

Extensive – Industrial – Fruit Crops:

Full soil spray coverage.

Crop	Applications	L / Ha per application	Total L / Ha	Timing
Soybean	1	2.5 a 4	2.5 a 4	Sowing
Corn	1	2.5 a 4	2.5 a 4	Sowing
Wheat	1	2.5 a 4	2.5 a 4	Sowing
Barley	1	2.5 a 4	2.5 a 4	Sowing
Sunflower	1	2.5 a 4	2.5 a 4	Sowing
Pastures	1	2.5 a 4	2.5 a 4	Sowing / Last cut (if perennial)

Intensive Crops – Fertigation:

General crops: 4 to 6 L/ha per application.

Multiple applications are recommended.

→ Up to 30 to 40 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 the product

Sprayer:

- Clean equipment before use
- Mix the recommended dose with 50% of the water volume under continuous agitation
- Use 80-100 L/ha of water
- Keep pressure between 2 and 3 bar (do not exceed 3 bar)
- Maintain spraying speed at 18-20 km/h
- Use hollow cone nozzles
- During refills, do not let the tank empty completely; maintain at least 15% volume
- After application, rinse with 200 L of water and then perform standard cleaning

Fertigation:

- Prepare a mother solution by mixing the recommended dose with 50% of the irrigation water
- Add the rest while maintaining constant agitation
- Avoid using air blowers
- After application, flush the system with clean water

PRECAUTIONS & WARNINGS

The company guarantees the declared content and concentrations.

However, use performance may vary due to factors beyond our control, such as mix preparation, application method, and weather conditions.

The user is responsible for any damage to crops, soil, or equipment caused by partial or complete disregard of the instructions provided on this label.

Use only when agronomically justified, and do not exceed recommended doses.

Application under agronomic supervision is strongly recommended.