

MIST N



MIST-N®, As with all MIST products, MIST-N® uses a nanomineral dispersion that stores nitrogen within its pores. This carrier releases nitrogen as needed by the plant or soil, allowing for efficient, controlled availability.

The combined action of nitrogen, calcium, magnesium, and sulfur provides synergistic support to crop growth and can be applied at any stage without causing plant stress.

- Calcium enhances nutrient absorption.
- Magnesium is crucial for chlorophyll synthesis and photosynthesis.
- Nitrogen is vital in the formation of organic compounds, cell multiplication, and overall growth regulation.
- Sulfur is necessary for the synthesis of amino acids, proteins, and vitamins.

BENEFICIAL EFFECTS:

1. Provides high-efficiency nitrogen for crops.
2. Enhances nitrogen uptake and translocation.
3. Reduces leaching losses and ammonia volatilization (NH₃).

GUARANTEED CONTENT:

Nitrogen: 14.5%

Calcium: 6.5%

Magnesium: 1.5%

Sulfur: 2.5%

(Expressed as % on dry matter basis)

PHYSICOCHEMICAL PROPERTIES:

pH: 6.5 at 20°C

Density: 1.32 – 1.35 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:

Pallet: 56 boxes (840 L total)

- Easily transportable via light truck
- Sufficient for over 200 hectares

APPLICATION & DOSAGE:

Extensive – Industrial – Fruit Crops:

Apply via drench or fertigation.

Crop	Applications	L / Ha per application	Total L / Ha	1st Application / 2 nd Application
Soybean	2	2 to 2.5	4 to 5	2nd-3rd leaf stage / 5th-7th leaf stage
Corn	2	2 to 2.5	4 to 5	2nd-3rd leaf stage / 5th-7th leaf stage
Wheat	2	2 to 2.5	4 to 5	Tillering / Heading
Barley	2	2 to 2.5	4 to 5	Tillering / Heading
Sunflower	2	2 to 2.5	4 to 5	2nd-3rd leaf stage / 5th-7th leaf stage
Pastures	2	2 to 2.5	4 to 5	After grazing / Beginning of flowering
Rice	2	2 to 2.5	4 to 5	Heading / Panicle emergence
Cotton	2	2 to 2.5	4 to 5	Emergence / Capsule opening

Intensive Crops – Fertigation:

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

Multiple applications recommended: 30–40 L/ha per crop cycle

USE RECOMMENDATIONS:

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

Spray Application:

- Clean the machine before use
- Prepare the solution by mixing the recommended dose with 50% of the total water volume, maintaining continuous agitation
- Recommended spray water volume: 80–100 L/ha
- Keep pressure between 2 and 3 bar (do not exceed 3)
- Maintain spray speed: 18–20 km/h
- Use hollow cone nozzles
- When refilling, avoid tank depletion – maintain at least 15% of volume
- After application, rinse with 200 L of clean water and proceed with regular equipment cleaning

Fertigation:

- Prepare a mother solution by mixing the recommended dose with 50% of irrigation water
- Add the rest of the water while maintaining constant agitation
- Avoid air blowers
- Flush the system with clean water after use

PRECAUTIONS & WARNINGS:

The company guarantees the declared content and concentrations. However, performance may vary due to external factors beyond our control, such as mix preparation, application method, and weather conditions.

The user assumes responsibility for any damages to crops, soil, or applicators due to improper use or failure to follow the label instructions.

Use only when agronomically justified and do not exceed recommended dosages.

Application is recommended under professional agronomic guidance.