

# MIST cly



**MIST-CLY®** MIST-CLY® is a mineral nanoparticle dispersion with a high content of illites, mica-derived clays rich in potassium, iron, and silica.

The 2D crystalline structure of illites, together with humic carbon content, significantly increases the soil's cation exchange capacity, improving cation retention and contributing to better soil structure and chemical balance.

- Silicon enhances plant resistance to biotic and abiotic stress.
- Calcium assists in nutrient absorption.
- Sulfur is a structural component of organic molecules.

## BENEFICIAL EFFECTS:

1. Provides essential nutrients like potassium.
2. Increases organic matter through humic carbon content.
3. Improves structure of sandy soils, low-organic soils, and soils affected by salinization.

## GUARANTEED CONTENT:

Carbon (humic carbon): 2.6%

Silicon: 7%

Calcium: 1%

Iron: 0.3%

Sulfur: Traces

Potassium: Traces

## PHYSICOCHEMICAL PROPERTIES:

pH: 7.2 at 20°C

Density: 1.15 – 1.20 g/cc

Reaction / Index: NEUTRAL

## STORAGE CONDITIONS:

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

## VOLUME:

15 L Bag-in-Box

## PACKAGING:

Standard pallet: 56 units (total 840 L)

- Easy transport by light truck
- Suitable for over 400 hectares

## APPLICATION & DOSAGE:

**Extensive – Industrial – Fruit Crops:**

Apply by drench at base or via fertigation

Crop	Applications	L / Ha per application	Timing
Soybean	1	2 to 4	Fallow or Sowing
Corn	1	2 to 4	Fallow or Sowing
Wheat	1	2 to 4	Fallow or Sowing
Barley	1	2 to 4	Fallow or Sowing
Sunflower	1	2 to 4	Fallow or Sowing
Rice	1	2 to 4	Fallow or Sowing
Cotton	1	2 to 4	Fallow or Sowing

## Intensive Crops – Fertigation:

General horticulture: 2 to 4 L/ha per application.

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

## RECOMENDACIONES DE USO:

- Remove the bag from the box and homogenize before use
- Product may separate; shake vigorously to restore proper condition

### Spray Application:

- Clean equipment thoroughly
- Mix recommended dose with 50% of total water volume with continuous agitation
- Use 80-100 L/ha of water
- Maintain pressure between 2 and 3 bar
- Speed: 18-20 km/h
- Use hollow-cone nozzles
- During refills, keep at least 15% of tank volume before remixing
- Rinse with 200 L of water after application, then clean as usual

### Fertigation:

- Prepare a mother solution with 50% of irrigation water volume
- Add remaining water while maintaining constant agitation
- Avoid air blowers
- After use, flush system with clean water

## PRECAUTIONS & WARNINGS:

The company guarantees the declared composition and concentration. However, external factors (mix preparation, application, weather) may affect results and are beyond our control.

The user is responsible for any crop, soil, or equipment damage due to incorrect use or failure to follow label instructions.

Use only when agronomically necessary, and do not exceed recommended dosages.

Agronomic supervision is strongly advised.