

# MIST TPS 78



**EI MIST TPS 78®** is a high-purity mineral nanoparticle dispersion based on sulfur and calcium, enhanced with elemental sulfur. Ideal for displacing sodium and salts from soil cation exchange complex, improving soil structure, reducing compaction and surface crusting.

## **BENEFITS:**

1. Rapid calcium assimilation.
2. More economical and precise than granular fertilizers.
3. High availability and residual effect of nutrients.
4. Ideal for saline or sodic alkaline soils.
5. Helps recover poorly drained areas.
6. Replaces bulk materials: only 1.5 L/ha needed.

## **GUARANTEED CONTENT:**

Sulfate Sulfur (SO<sub>4</sub>): 5.3%

Calcium: 8.3%

(+ Elemental sulfur added during processing)

## **PHYSICOCHEMICAL PROPERTIES:**

pH: 7.2 at 20°C

Density: 1.24 – 1.36 g/cc

Reaction / Index: NEUTRAL

## **STORAGE CONDITIONS:**

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

## **VOLUMEN:**

15 L Bag-in-Box.

## **PACKAGING:**

Shipping presentation: Standard pallet of 56 boxes (840 L)  
– easily transportable in light trucks and enough to cover 400+ hectares.

## **APPLICATION & DOSAGE:**

**Extensive, Industrial, Fruit crops:**

Drench at the base or fertigation.

Crop	Applications	L / Ha per application	Total L / Ha	1st Application / 2 nd Application
Soybean	2	1.5 a 2	3 a 4	Fallow or Sowing / 3rd-6th leaf stage
Corn	2	1.5 a 2	3 a 4	Fallow or Sowing / 4th to 6th leaf stage
Wheat	2	1.5 a 2	3 a 4	Fallow or Sowing / Tillering
Barley	2	1.5 a 2	3 a 4	Fallow or Sowing / Tillering
Sunflower	2	1.5 a 2	3 a 4	Fallow or Sowing / 3rd-6th leaf stage
Pastures	2	1.5 a 2	3 a 4	After Grazing or Cutting / Beginning of Flowering
Rice	2	1.5 a 2	3 a 4	Fallow or Sowing / 5th-8th leaf stage
Cotton	2	1.5 a 2	3 a 4	Fallow or Sowing / 2nd-3rd leaf stage

## **Intensive Crops (Horticulture):**

2 to 5 L/ha per application.

→ 30 to 40 L/ha total per crop cycle.

## **USAGE RECOMMENDATIONS:**

- Remove the bag from the box and homogenize before use.
- Contents may separate; vigorous shaking restores optimal conditions.

## **Sprayer Use:**

- Clean the machine thoroughly beforehand.
- Mix the recommended dose with 50% of the total water volume, under continuous agitation.
- Use 80-100 L/ha of water; keep spray pressure between 2 and 3 bar (not exceeding 3).
- Maintain application speed between 18-20 km/h.
- Use hollow cone nozzles.
- During refills, don't let the tank empty; maintain at least 15% volume for proper remixing.
- After application, rinse with 200 L of water, then clean as usual.

## **Fertigation:**

- Prepare a mother solution with the recommended dose and 50% of irrigation water.
- Add remaining water with constant agitation.
- Avoid air blowers.
- After use, flush the system with clean water.

## **PRECAUTIONS & WARNINGS:**

This product's declared content and concentrations are guaranteed.

However, external factors like mix preparation, application method, and weather conditions may affect performance and are beyond the company's control.

The user is responsible for any crop, soil, or equipment damage resulting from partial or total disregard of label instructions.

Use only when agronomically necessary and do not exceed the recommended doses.

Application under professional agronomic advice is recommended.