

PRODUCT TECHNICAL DATA SHEET



 **Brand Name: MagniCal Liquid**

 **Liquid agricultural amendment with Calcium and Magnesium**

1. **PRODUCT DESCRIPTION**

MagniCal Liquid is a high-purity liquid amendment formulated from soluble calcium and magnesium carbonates. It is designed for foliar and root applications, promoting balanced nutrition that improves soil health and enhances the physiological development of crops.

2. **GUARANTEED COMPOSITION (% weight/weight)**

Active Ingredient	Content (%)
Calcium Oxide (CaO)	9.0 % \pm 0,5
Magnesium Oxide (MgO)	6.5 % \pm 0,5
pH (1% solution)	8.0 – 8.5
Density	~1.30 kg/L
Physical State	100% homogeneous suspension

3. **USES AND BENEFITS**

- Corrects soil acidity, improving the availability of essential nutrients.
 - Provides calcium and magnesium in optimal ratios for demanding crops.
 - Stimulates root development and strengthens plant tissues.
 - Enhances photosynthesis and metabolic efficiency.
 - Compatible with drip, sprinkler, and foliar spraying systems.
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4. RECOMMENDED DOSAGE AND APPLICATION METHODS

A) Foliar application

Crop	Suggested Dose	Frequency
Fruit trees, citrus, vineyard	250–300 mL/hl	Every 15–20 days
Field or greenhouse vegetables	200–250 mL/hl	Up to 3 applications per season

- Apply during cool hours, avoiding direct sunlight.
- Use clean water. Do not mix with phosphate or strongly acidic products.

B) Soil application (fertiligation or irrigation)

Crop	Recommended Dose	Notes
Fruit trees, citrus	8–12 L/ha	At budding/flowering stages
Vineyard, banana, sugarcane	10–15 L/ha	During high-demand stages
Vegetables, pastures	5–8 L/ha	In split applications

5. COMPATIBILITY AND PRECAUTIONS

- Compatible with most fertilizers and correctors, except phosphates and acidic products.
- Conduct a compatibility test before tank mixing.
- In case of contact with skin or eyes, rinse thoroughly with water.
- Use gloves and eye protection during application.

6. PRESENTATION AND STORAGE

- Available in: 5 L, 20 L, 200 L, and 1000 L.
- Packaging: High-resistance HDPE drums.
- Shelf life: 24 months.
- Store in a cool, dry place, protected from direct sunlight.

7. KEY COMMERCIAL ADVANTAGES

- Ideal Ca/Mg ratio to prevent nutritional imbalances.
- High absorption efficiency in foliar or root applications.

- Higher magnesium content than most formulations on the market.
- Sustainable product, ideal for modern and regenerative agriculture.

8. CONTACT

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MagniCal Liquid: Corrects, nourishes, and balances. A smart solution for sustainable agriculture.