

TerraNutrix Mg +

Magnesium & Sugar Alcohol Chelated — Chlorophyll Activator



Mg

1. PRODUCT DESCRIPTION

TerraNutrix Mg + is a high-concentration liquid magnesium fertilizer produced using advanced sugar alcohol chelation technology. It provides a highly available and stable form of magnesium, ensuring rapid absorption and effective correction of magnesium deficiencies across a wide range of crops. Free from plant hormones and residues, Mg+ is a safe and reliable solution for both foliar and fertigation programs.

2. GUARANTEED ANALYSIS

Magnesium Oxide (MgO)	≥ 10.0% (w/v)
Organic Complex (Sugar Alcohol)	≥ 10.0% (w/v)
pH	5.0 – 7.0

3. PHYSICAL PROPERTIES

Appearance	Clear liquid
Odor	Mild odor
Density	1.30 g/cm ³
Solubility	Fully water soluble

4. KEY BENEFITS

- Enhances chlorophyll formation and photosynthesis
- Improves leaf greenness and plant vigor
- Supports energy metabolism and sugar transport
- Enhances stress tolerance under adverse conditions
- Improves nutrient uptake efficiency

5. MG + SEAWEED SYNERGY

- Mg: Core atom of chlorophyll — drives photosynthesis
- Seaweed: Natural cytokinins for cell division & growth
- Mg: Activates phosphate metabolism & enzyme systems
- Seaweed: Alginic acid improves soil water retention
- Mg: Enhances phosphorus uptake and translocation
- Seaweed: Betaines protect cells under drought & heat

6. APPLICATION RECOMMENDATIONS

FOLIAR APPLICATION

Rate: **1.0 – 2.0 L/ha**
Timing: **Vegetative growth & early development**
Frequency: **Every 10 – 14 days**

FERTIGATION

Rate: **3.0 – 5.0 L/ha**
Frequency: **Every 10 – 14 days**
Tip: **Most effective from transplant onward**

7. APPLICATION TIMING

- Pre-planting / transplant establishment
- Early vegetative growth stage
- Active leaf expansion & shoot growth
- Stress recovery (heat, drought, nutrient lock)

8. SUITABLE CROPS

- **Vegetables** — Tomato, Pepper, Cucumber, Leafy greens
- **Fruit Crops** — Citrus, Grapes, Berries, Tree fruits
- **Field Crops** — Cereals, Legumes, Root crops
- **Greenhouse** — All protected cultivation systems

9. COMPATIBILITY

Compatible with most fertilizers and micronutrients.

AVOID mixing with:

Strong acidic products
Always perform jar test before mixing

10. STORAGE & SHELF LIFE

- Store in a cool, dry place
- Avoid direct sunlight
- Shelf life: 24 months (sealed)
- Do not freeze

11. PACKAGING

- 1 L
- 5 L
- 20 L
- 1000 L IBC
- Custom OEM available

“Not just magnesium. Not just seaweed. A dual-action chlorophyll activator and stress defense system.
MgO ≥ 10% + Sugar alcohol ≥ 10%: deep green leaves, superior photosynthesis, and lasting crop resilience.”