

SOIL



New!

# DEFENSE-MAG

DEFENSIVE NUTRITION SUPPLEMENT

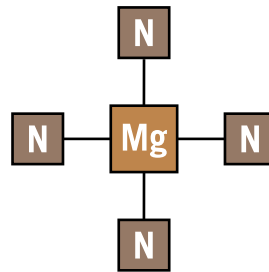
**Defense-Mag** is a reformulated concentration of 6% magnesium and 4% manganese organic acid chelate for soil application. The organic chelation ensures rapid plant availability and encourages microbial proliferation in the soil.

**Defense-Mag** will provide superior root absorption of magnesium, which is essential for:

- Color Enhancement
- Chlorophyll Production
- Calcium & Iron Mobility

**Defense-Mag** is designed to help correct identified magnesium deficiencies in the soil. Extreme soil deficiencies should be corrected over a period of time with several applications. Frequent soil testing is recommended to ascertain soil magnesium levels and to maintain magnesium at desired levels.

## It's Not So Easy Being Green



Green turf requires chlorophyll.

The basic chlorophyll molecule consists of 4 parts nitrogen and 1 part magnesium.



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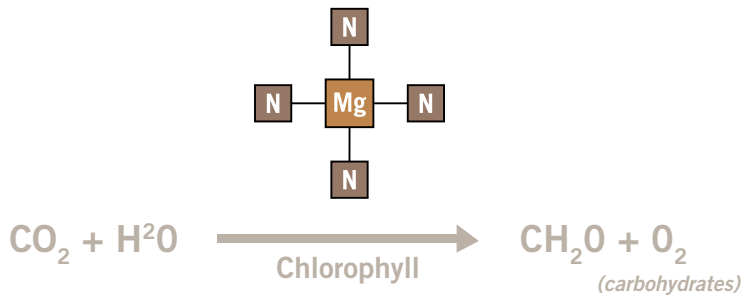
**Defense-Mag** utilizes a unique packaging format targeting ease of handling, longer shelf life, and reduced shipping costs.

chlorophyll anchor

## TECHNICAL INFORMATION

**MAGNESIUM** - Necessary for chlorophyll production; also important for nitrogen, iron, and calcium utilization and for amino acid and sugar production.

**ORGANIC ACIDS** - Enhancers of plant uptake and utilization of nutrients while encouraging microbial activity.



### NUTRIENT CONTENT

Magnesium (Mg) . . . . . 6.00%  
 Manganese (Mn) . . . . . 4.00%

Derived from magnesium sulfate, manganese sulfate, citric acid, and polycarboxylic amino saccharides.

Also contains organic acids to enhance solubility and beneficial microorganism activity.

Net Weight: 3.6 lb (1.6 kg) / jug  
 36 lb (16.3 kg) pail

## PROFESSIONAL USE GUIDELINES

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**APPLICATION:** Open container that is partially filled with soluble concentrated powder. Top off container with water leaving enough head space to agitate (warm water is better). Replace cap and shake vigorously. Add to agitating spray tank. Apply with any type equipment that delivers an even spray pattern to the target area. Lightly water in immediately after application.

**RATE OF APPLICATION:** Extreme soil deficiencies should be corrected over a period of time with several applications. Frequent soil testing is recommended to ascertain soil magnesium levels and to maintain magnesium at desired levels.

**Defense-Mag** is not recommended if either the irrigation water or the soil has high levels of magnesium. For actively growing turf, apply 14.4 lb (4 containers) / acre (12.8 kg (8 containers) / ha) every 4-6 weeks as needed. Do not apply to turf under heavy stress.

**COMPATIBILITY:** **Defense-Mag** is tank mix compatible with many systemic fungicides, insecticides, and nutrient solutions. Jar test when in doubt. **Defense-Mag** will tend to dramatically lower the pH of the spray solution. For best mixing results, remove tank strainer prior to product addition.



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