



# 44 MAG<sup>®</sup>

Secondary  
Macronutrients

## Guaranteed Analysis

Magnesium (Mg) .....5.00%  
 5.00% Water Soluble Magnesium (Mg)  
 Sulfur (S) .....5.50%  
 5.50% Combined Sulfur (S)

### Derived From:

Magnesium Sulfate

### Also Contains Non-Plant Food Ingredient:

0.5% Organic Matter (derived from leonardite)

### Physical Properties:

Form: Liquid

Appearance: Clear, light green color having a characteristic odor

Weight: 10.68 lbs per gallon, 1.20 kg/L

pH: 1.5–2.5

### Caution:

**Keep out of reach of children.**

**Harmful if swallowed.**

**The liquid and mists can cause eye irritation and may cause slight to moderate skin irritation.**

**Inhalation of aerosols or mists may cause irritation to the respiratory tract.**

### Storage and Disposal:

Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations. Do not store this product below 50°F (10°C) or above 90°F (30°C).

### Conditions of Sale:

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, crop conditions, and other factors are beyond the control of the seller.

## The Solution for Improved Magnesium Nutrition in Plants

Huma Gro<sup>®</sup> 44 MAG<sup>®</sup> carbon-complexed with Micro Carbon Technology<sup>®</sup> ensures maximum assimilation of magnesium, which is the essential part of the chlorophyll molecule that gives plants their green color.

### Benefits of Use:

- Essential core of the chlorophyll molecule
- Is active in the translocation of starches and necessary for sugar formation
- Acts as a carrier for phosphorus in the plant
- Regulates the uptake of other plant nutrients
- Enhances oil and fat formation

### When to Apply:

- Low pH, high calcium, and high potash soils may reduce magnesium uptake
- Loss of green color starting at the bottom leaves and moving up the stalk; veins of leaves remain green
- Weak stalks
- Bunching-pattern root growth
- COTTON: Discolorization of leaves, turning purplish-red between the green veins
- CORN: Development of an interveinal striped appearance on leaves, light yellow to white

### Application Instructions:

Contents are highly concentrated and must be diluted with water in a ratio of at least 20 parts water to 1 part product prior to foliar application. See table below for specific rate instructions. SHAKE WELL BEFORE USING.

METHOD OF APPLICATION	SUGGESTED RATE	
	Field Crops / Tree or Vine Crops	
Foliar band application at 50% coverage	Up to 1 quart/acre, 2.5 liters/hectare	—
Foliar broadcast or sprinklers: solid, set, pivot, linear (100% speed)	Up to 2 quarts/acre, 5 liters/hectare	Up to 1 gallon/acre, 10 liters/hectare
Soil banded or injected, through drip tape or micro sprinklers	Up to 2 quarts/acre, 5 liters/hectare	Up to 1 gallon/acre, 10 liters/hectare
Soil broadcast spray incorporated, flood or furrow irrigated	Up to 1 gallon/acre, 10 liters/hectare	Up to 2 gallons/acre, 20 liters/hectare



Powered by  
**MICRO CARBON  
TECHNOLOGY<sup>®</sup>**

*\*This Product Contains Micro Carbon Technology<sup>®</sup>, a proprietary blend of very small organic molecules that allow for more effective absorption of nutrients by plants.*

