

CAL MAG MAX 7-0-3

With 4% CALCIUM & 2% MAGNESIUM



GROWTH[®]
PRODUCTS
THE LIQUID SOLUTIONS COMPANY

**PROFESSIONAL LIQUID FERTILIZERS &
MICRONUTRIENTS**

BAR CODE

Net Wt. 30.35 lbs. (13.77 kg)

Shake Well Before Using

2 1/2 Gallons (9.46 Liters)

CAL MAG MAX 7-0-3



GUARANTEED ANALYSIS:

Total Nitrogen (N)	7%
7% Nitrate Nitrogen	
Soluble Potash (K ₂ O)	3%
Calcium (Ca)	4%
4% Water Soluble Calcium (Ca)	
Magnesium (Mg)	2%
2% Water Soluble Magnesium (Mg)	
Derived From: Calcium Nitrate, Calcium Glucoheptonate, Magnesium Glucoheptonate, Potassium Nitrate.	

PRODUCT SPECIFICATIONS:

Weight per gallon	12.14 lbs.
Weight per Liter	1.45 kg
pH	6

PRODUCT DESCRIPTION:

Calcium and magnesium are very important secondary nutrients and part of the chlorophyll molecule which is necessary for sugar formation. Inadequate amounts of magnesium will first appear as a general loss of green color at bottoms of older leaves (interveinal chlorosis). Continued deficiency will also affect younger leaves, followed by formation of lesions.

FIRST AID

IF SWALLOWED: Call a poison center or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

IF ON SKIN: Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.

IF INHALED: Call a poison center or doctor if you feel unwell.

You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101). Keep out of reach of children (P102). Read label before use (P103).

STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.

DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.

Condition of Sale and Warranty: Growth Products, Ltd warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT

Calcium and magnesium deficiencies occur mostly in soils with a high pH (over 8) and acidic soils with a pH less than 6.5.

Turf Applications: Soil testing is necessary to determine levels. Where calcium and magnesium levels are deficient or marginal, apply Cal Mag Max throughout the growing season. This can be added to any fertilizer spray solution.

Turf Application

Application	Rate
Tees, Greens and All Types of Warm and Cool Season Grasses	Apply 1-3 oz of Cal-Mag-Max per 1,000 ft ² with sufficient water for good coverage. (30-100 ml)

Trees, Shrubs & Ornamentals:

Foliar Spray:	24-36 oz in 100 gallons of water (188-280 ml in 100 L water)
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Nursery Applications

Application	Rate	Notes
Containerized Crops, Woody & Flowering Ornamentals, Foliage, Field-Grown Nursery Stock And Trees	Foliar Spray: 1 quart per 100 gal of water (250 ml in 100 L water)	Thoroughly spray to point of run-off. Apply every 2-4 weeks.
Hand Watering	2 tsp to 1 tbs per gal water (10 - 15 ml per 4 L water)	Saturate Soil Apply every 2-4 weeks.

Greenhouse & Nursery Injection Ratio at 1:100 Ratio

100 PPM	13 oz per gallon of water (90 ml in 1 L Water)
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The following precautionary statements and pictograms are based on The Globally harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

- H303 May be harmful if swallowed
- H316 Causes mild skin irritation
- H320 Causes eye irritation

Another quality product from:

Growth Products, Ltd.

21417 County Rd - 1950 E
Princeton, IL 61356 USA

Questions? Call (800) 648-7626



AGRICULTURAL APPLICATIONS

Cal Mag Max is a Growth Products' fertilizer designed specifically to satisfy the special needs of plugs and other plants grown in soilless media. Cal Mag Max contains the perfect 2 to 1 ratio of calcium to magnesium. The calcium and magnesium are highly soluble, making them readily available as a foliar or soil drench. Use Cal Mag Max as a supplement, and in alternate feeding with a standard fertilizer.

Crop Programs	
Plant / Crop:	Application Rate per Acre
Berries	Use 1-2 quarts per acre. Thoroughly wet leaves to run off. (2 - 5 liters per hectare)
Citrus Trees:	Use 2-4 quarts per acre. Thoroughly wet leaves to run off. (5 - 9 liters per hectare)
Fertigation:	3 Apply 1 - 2 quarts per acre via drip tape or low volume irrigation. (2- 4 L per Ha)
Foliar Spray: Tomatoes, Small Fruit, Grapes and Vegetables	Use 1-2 quarts in a minimum of 50 gallons of water with ground spray equipment. Apply at least 6 times per season to correct minor nutrient deficiencies. Wet leaves to run off.
Greenhouse & Shadehouse:	Apply 1-2 quarts per 100 gal water as a foliar spray. Repeat every 1 - 2 months or as needed. (250 - 500 ml per 100 liters water)
Liners and Plugs:	Apply 8 oz - 1 qt per 100 gallons water as foliar spray (63 - 250 ml per 100 liters water)
Nut Trees	Use 2 - 3 qt per 100 gallons water as foliar spray (2 - 3 L per 400 L water)
Tropical Fruits	Use ½-1 gallon per 100 gallons of water. Thoroughly wet leaves to run off. (2 - 3 L per 400 L water)
Turfgrass and Sod Farms	1-2 gal per acre in a minimum of 50 gal of water. (9 - 19 liters per hectare)
Geranium	Set injector at 100 PPM of Nitrogen to get optimal Ca and Mg level (96 ml per liter of water at 1:100 ratio)
Poinsettia	To finish, set injector to 125 PPM of nitrogen (120 ml per liter of water at 1:100 ratio)
Chrysanthemums / Fleurette	100 PPM of nitrogen once a week in place of fertilizer (13 fl oz per gallon of water) (96 ml per liter water at 1:100 ratio)

Cal Mag Max 7-0-3 PPM Rates

Fluid Ounces of Cal Mag Max per Gallon of Stock Tank Water

PPM Nitrogen	25	50	75	100	200	300
PPM Calcium	11	21	32	43	86	129
PPM Magnesium	7	14	21	29	57	86
1:500	16	32	48	64	127	192
1:300	10	19	29	38	76	115
1:200	6	13	19	25	51	77
1:100	3	6	10	13	25	38
1:50	1.5	3	5	6	13	19
1:15 Ratio for Hozon Proportioner						
1:15	0.5	0.95	1.43	1.91	3.82	5.72