



CAL MAG MAX 7-0-3

4% CALCIUM & 2% MAGNESIUM

GUARANTEED ANALYSIS:

Total Nitrogen (N)	7%
7% Nitrate Nitrogen	
Soluble Potash (K ₂ O)	3%
Calcium (Ca)	4%
4% Chelated Calcium (Ca)	
Magnesium (Mg)	2%
2% Chelated Magnesium (Mg)	

Derived From: Calcium Nitrate, Calcium Glucoheptonate, Magnesium Glucoheptonate, Potassium Nitrate. Chelating Agent: Glucoheptonate.
Weight per gallon 12.14 lbs.

FEATURES & BENEFITS:

- Liquid for easy application
- Excellent for overcoming physiological conditions associated with calcium deficiencies
- Improves plant hardiness and fruit firmness
- Improves resistance to environmental and biological stresses
- Soil and foliar applications
- No phytotoxicity

PRODUCT DESCRIPTION:

Cal Mag Max is formulated in convenient liquid form. It is recommended for soil or foliar applications to those crops where Calcium sprays have been proven effective. Cal Mag Max is a 100% organic glucoheptonate chelate. This clean solution provides calcium / magnesium in a perfect ratio for vigorous plant growth. Cal Mag Max can correct minor deficiencies or can be used in a regular maintenance program where soils are known to be deficient in calcium or do not contain the correct ration of Ca to Mg. This chelate is compatible with most fertilizers and technical materials. It is very important that calcium deficiencies be treated before visual symptoms appear to ensure proper yield. Rates of applications will vary depending on the severity of the deficiency, climate, soil conditions and methods of application. Consult your State Agricultural Experiment Station or Extension Specialists for advice in selecting treatments from this label

to best fit local conditions.

COMPATIBILITY:

This product is compatible with most pesticides. In mixing, always add water first and this product to the tank last. Do NOT tank mix or use with very acidic products or products that contain high amounts of phosphorous.

DEFICIENCY SYMPTOMS:

Roots can appear short, very bunched and poorly developed. Young leaves and terminal buds appear hooked or distorted and then die back at the tips and along the margins. Basal leaves have a wrinkled appearance and in some cases, young leaves never unfold. Fruit symptoms include misshapen and fragile appearance and internal disorders such as bitter pit and corky fruit syndrome. Deficiency symptoms can occur in extremely acid soils and sometimes in highly alkaline soils derived from low calcium parent materials. Calcium is relatively immobile in soils and is generally lost through erosion and crop removal.

FUNCTIONS OF CALCIUM IN PLANT:

Calcium promotes early root formation and growth, improves general plant vigor, stiffness of stalks and improves fruit integrity. Calcium influences the uptake of other nutrients such as phosphorus, manganese, iron, zinc and boron. Other functions include neutralizing toxic substances produced within the plant, encouraging grain and seed production and increasing essential root nodulation in legumes. Applying calcium can also increase calcium content in food and feed crops.

SUGGESTED APPLICATIONS:

Fruit and Nut Crops: Almonds, Apples, and Pears:

Soil: In early spring, apply 1-2 gallons per acre with pesticide, irrigation water or nitrogen fertilizer. Multiple applications may be used. Product may be applied as a broadcast spray or as a sidedress application.

Foliar: Shortly after trees have leafed out, apply 1-3 quarts

per acre with sufficient water to ensure adequate coverage. Multiple treatments may be used. Apply as a thorough cover spray, dormant or delayed dormant spray, with oil or pesticides. Repeat at petal fall at 1-3 quarts per acre. Do not apply during bloom. Apply when trees are growing vigorously and not under stress. Product may be applied through harvest. To ensure even distribution on leaf surface and increase effectiveness of foliar application, a small amount of wetting agent or detergent may be added. Caution: If label instructions are not followed for foliar application, phytotoxicity may occur.

Apricots, Nectarines, Peaches, Plums, Prunes, Cherries:

Soil: In early spring, apply 1-2 gallons per acre with pesticide, irrigation water or nitrogen fertilizer. Multiple applications may be used. Product may be applied as a broadcast spray or as a sidedress application.

Foliar: Shortly after trees have leafed out, apply 1-3 quarts per acre with sufficient water to ensure adequate coverage. Multiple treatments may be used. Apply as a thorough cover spray, dormant or delayed dormant spray with oil or pesticides. Repeat at petal fall at 1-3 quarts per acre. Do not apply during bloom. Apply when trees are growing vigorously and not under stress. Product may be applied through harvest. Do not apply more than 2 quarts per acre to sensitive varieties of plums. To ensure even distribution on leaf surface and increase effectiveness of foliar application, a small amount of wetting agent or detergent may be added. Caution: If label instructions are not followed for foliar application, phytotoxicity may occur.

Citrus Crops:

Soil: In early spring, apply 1-2 gallons per acre with pesticide, irrigation water or nitrogen fertilizer as a sidedress or broadcast application.

Foliar: Apply 2-3 quarts per acre with sufficient water during spring and fall flush growth. Repeat during the growth season at 1-2 quarts per acre with pesticide cover sprays. Do not apply during bloom.

Grapes:

Apply 1-2 quarts per acre before bloom as a foliar or soil application. Add 1-2 pints per acre to each pesticide spray. For best results, apply 1 quart per acre near bud swell and repeat when shoots are 4-6 inches tall. Product can be applied until one month from harvest.

Other Fruit, Nut and Berry Crops:

Soil: In early spring, apply 1-2 gallons per acre with pesticide, irrigation water or nitrogen fertilizer as a sidedress or

broadcast application.

Foliar: Apply 1-3 quarts per acre with sufficient water as a thorough cover spray, dormant or delayed dormant. Product may be mixed with oil or pesticide. Repeat same rate at petal fall and as needed until one week from harvest

Legumes:

Soil: Apply 1 gallon per acre with irrigation water, pesticides or nitrogen fertilizer as a sidedress or broadcast application before the 5th trifoliate stage.

Foliar: Apply 1-3 quarts per acre to foliage with sufficient water when plants are between the 2nd and 4th trifoliate stage. Apply 1-3 pints per acre as needed until 2 weeks of harvest. Do not apply during bloom.

Corn, Cotton, Sorghum and other Field and Vegetable Crops:

Soil: Apply 1 gallon per acre with pesticides, irrigation water or nitrogen fertilizer as a broadcast or banded application at or immediately after planting.

Foliar: Apply 1-3 pints per acre with each pesticide application prior to bloom. Continue same rate after bloom every 21 days until 2 weeks before harvest.

Potatoes:

Soil: Apply 3-4 quarts per acre with irrigation water, pesticides or nitrogen fertilizer as a banded or broadcast application at or near planting.

Foliar: In early spring, apply 1-2 quarts per acre with sufficient water to give complete coverage. Repeat application every 2-4 weeks, especially where deficiency is known to occur. Do not apply during bloom.

SMALL GRAINS INCLUDING RICE:

Soil: Apply 1 gallon per acre with pesticides, irrigation water or nitrogen fertilizer as a broadcast, banded or sidedress application at planting or within 2 weeks after emergence.

Foliar: Apply 1 quart per acre with sufficient water for thorough coverage 30 days after planting and before flowering. Repeat same rate, as needed every 21 days until 2 weeks before harvest. Split applications are preferred over a single application.

***Applications should be made in the early morning when humidity is high. For foliar applications, plants should be actively growing and not under stress. Delay cutting or pruning as long as practical after application to permit maximum leaf uptake and translocation of nutrients.

SUGGESTED DILUTION RATES:

Air: 10-20 gallons of water per acre

Ground: 50-100 gallons of water per acre

Tree Crops: Dilute sprays-100-300 gallons of water per acre

STORAGE & HANDLING:

Do not contaminate water, food or feed by storage or disposal. Triple rinse container, empty rinsate into spray tank. Dispose of empty container according to approved local practices; contact county agricultural commissioner for disposal information.

CONDITIONS OF SALE:

Follow directions carefully. Timing and methods of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

Manufactured Exclusively by:
Growth Products, Ltd.
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Toll Free 1-800-648-7626

PRECAUTIONARY STATEMENTS: Caution: Keep Out Of Reach Of Children. Avoid contact with eye. Harmful if swallowed. Avoid skin contact. Causes eye and skin irritations. In case of contact, wash the affected areas with water immediately and continue washing for 15 minutes. Seek medical attention if irritation persists.