



# CAL CHARGE<sup>3-0-0</sup>

## Features and Benefits

- Natural liquid formulation for foliar feeding and fertigation in specialty and broad acre crops
- Natural gluconate complexed calcium and magnesium is immediately recognized and utilized by the plant
- Readily available calcium efficiently absorbed by tissue increases cell wall strength, fruit quality, brix levels and fruit longevity
- In addition to calcium, provides 3% nitrogen and micronutrients magnesium and boron
- Excellent absorption means reduced application rates and lower costs per acre
- 100% water soluble to keep spray nozzles, filters and lines clear to maximize labor and equipment efficiency
- Compatible with most commonly used pesticides and nutritional formulations
- Non-corrosive and free of sulphates, chlorine and sodium
- Aids in Bitter Pit prevention



## Primary Application Times

- After bud break and sufficient vegetation is present
- During harsh growing conditions to alleviate plant stress
- Throughout reproductive phase to optimize vegetative growth and maximize fruit sizing, brix and color

## Application Modes

- Foliar Spray
- Chemigation
- Drip Irrigation

GUARANTEED ANALYSIS

Total Nitrogen (N) .....	3.0%
Calcium (Ca) .....	15.0%
Magnesium (Mg) .....	2.0%
Boron (B) .....	0.3%

Derived from calcium nitrate, magnesium nitrate, calcium gluconate, magnesium gluconate, boric acid

## Amount of Calcium Per Acre

RATE/ACREAGE	1 ACRE	5 ACRES	10 ACRES
1.5 quarts	.61 lbs.	3.05 lbs.	6.11 lbs.
3 quarts	1.22 lbs.	6.11 lbs.	12.22 lbs.
5 quarts	2.04 lbs.	10.18 lbs.	20.36 lbs.



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## Application Rates

Apply Cal Charge based on petiole or tissue analysis. Use lower rates for maintenance and higher rates to correct nutritional deficiencies. Foliarly apply according to the following:

(do not exceed a 2% concentration: 2 gal/100 gallons water)

CROP TYPE	MAX RATE/ACRE	RECOMMENDATIONS
Field and row	1.5 quarts	Start application at flower initiation with 2 sprays at 7 day intervals in 30 gallons water per acre. For cotton, apply when plants reach 30 cm tall in 2 – 3 sprays in 50 gallons of water per acre.
Orchard and vineyard	2.5 quarts	For pome and drupe fruit, start application just after fruit set using a full cover spray in 100-300 gallons of water per acre. Apply 6 – 12 sprays at 7 – 10 day intervals. Use higher number of sprays for Bitter Pit sensitive cultivars and if vigorous shoot growth occurs. For grapes, apply directly after fruit set using 3-4 sprays in 100-150 gallons of water per acre at 7-10 day intervals.
Vegetable and fruit	2.5 quarts	Start application at fruit set. Repeat with 7 – 10 day intervals. Apply in 50 gallons water per acre.
Other crops	-	Consult your local agronomic professional.
FERTIGATION		
Field and row	2-5 quarts	Use lower rates on juvenile plants and higher rates on mature plants.
Orchard and vineyard	2-5 quarts	Use lower rates on juvenile plants and higher rates on mature plants.
Vegetable and fruit	2-5 quarts	Use lower rates on juvenile plants and higher rates on mature plants.
Other crops <sup>2</sup>	-	Consult your local Hydrogro distributor.

## Physical Characteristics

- Dark amber liquid
- Net weight: 10.86 lbs./gallon
- Container size: 2.5 gallons, 275 gallon tote

## Handling and Precautions

- Mixable and compatible with most agricultural pesticides and fertilizer, however it is advisable to do a jar test prior to tank mixing.
- Avoid direct or excessive sun, heat, fire or frigid exposure. Decomposition may occur at temperatures (above 225°F/107°C). May be corrosive to some materials over time. May be harmful if swallowed or inhaled. Avoid eye contact and prolonged or repeated contact with skin. Wash thoroughly after handling. Keep out of reach of children and pets. Exercise care when storing.
- Thoroughly rinse all containers and equipment with cold water pre and post application!



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