

## AT A GLANCE

# CAL-12®

### Description

Calcium Nitrate Solution, 12% Calcium (Ca), is a clear, light-yellow liquid with no significant odor. Cal-12R is an "ammonia-free" liquid Calcium Nitrate Solution. Ideal for use in a variety of agricultural applications. Both Calcium and Nitrogen are in available forms ready for plant uptake. Due to their availability quick and vigorous responses can be expected. Applications through irrigation water is a common method.

### Handling & Storage

Always conduct a jar test with new tank mixes to verify compatibility.  
Store in a cool place out of direct sunlight. Location should be inaccessible to children, pets, domestic animals and/or wildlife.

### Functions of Calcium in Plants

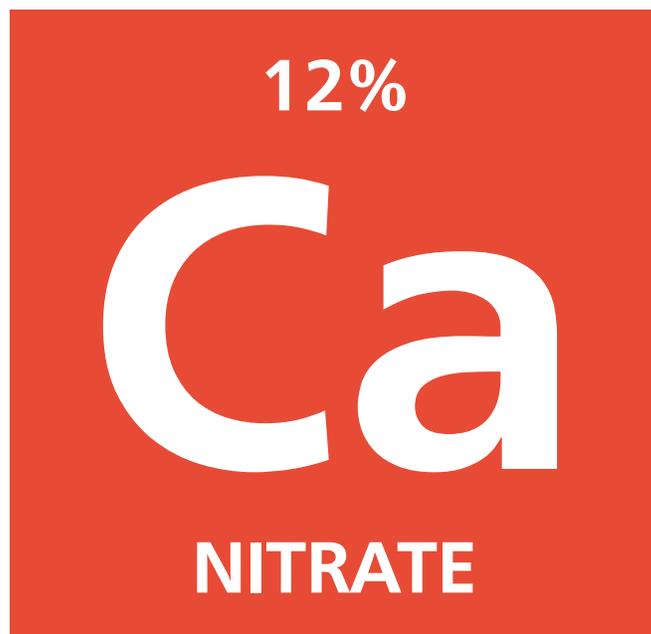
- Utilized in cell wall structure
- Key element during fruit set and increasing crop yields
- Used in root development

### Symptoms of Calcium Deficiency

- Necrosis of new leaves (tip burn)
- Curling leaves
- Blossom End Rot is also common to see in many Row crops

### Availability

Bulk or IBCs



### Chemical & Physical Properties

Chemical Formula	Ca(NO <sub>3</sub> ) <sub>2</sub>
CAS Number	10124-37-5
pH	5.0 - 7.0
Specific Gravity @ 60°F (17.8°C)	1.485
Salt-Out Temperature	35°F (1.67°C)
Color	Light yellow
Odor	Odorless
Weight per Gallon @ 60F (15.5°C)	12.38 lbs./gal

### Typical Analysis

Total Nitrogen (N)	8.5%
8.5% Nitrate Nitrogen	
Calcium (Ca)	12.0%

The data presented herein are believed to be accurate but are in no way guaranteed. TradeMark Nitrogen Corp. makes no warranties, express or implied, that any of the above data is fit for any particular use and expressly disclaims all oral warranties of any kind.



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