



# Calcium Thiosulfate

## 6% Calcium, 10% Sulfur

### Guaranteed Analysis

Total Calcium (Ca)..... 6.0%  
 Total Sulfur (S)..... 10.0%

Derived from Calcium Thiosulfate  
 CAS # 10124-41-1

**Calcium Thiosulfate** is a neutral to basic, chlorine-free, clear solution, containing 6% calcium and 10% thiosulfate sulfur. It is an excellent calcium and sulfate liquid that can be used as "liquid gypsum" in treating calcium and sulfur soil deficiencies.

**Calcium Thiosulfate** may be applied by a fertigation system or sprayer. It may be blended with other fertilizers for soil applications.

**Thiosulfate as a Sulfur Source.** The advantage of thiosulfate, in comparison to other sulfur forms, is that the sulfur need for plant growth becomes available over several weeks. When sulfur is applied totally in the sulfate form, some may be lost to leaching; the result of rainfall and/or irrigation water moving this form below the root zone. When elemental sulfur is applied, oxidation to a sulfate form must occur before it becomes available to the plant. Thiosulfate helps supply the plant's sulfur needs quicker than other sulfur forms.

- Weight per gallon: 10.43 lbs. (4.7 kg)
- Each gallon contains:  
 .63 lb. Calcium  
 1.04 lb. Sulfur from Thiosulfate
- pH: 6.5 - 8

### Directions for Use:

**Turf Fertigation Injection:** The preferred application method is to apply **Calcium Thiosulfate** in the irrigation water at 30 - 40 oz. per 1,000 sq. ft. (10 - 13.5 gallons per Acre). Apply as needed during the growing season as indicated by soil and tissue testing. Apply **Calcium Thiosulfate** in the middle 1/3 of the irrigation set.

**Soil Spray Application:** Apply 6 - 12 oz. of **Calcium Thiosulfate** per 1,000 sq. ft. (2 - 4 gallons per Acre) every 14 days in a minimum of 2 gallons of water per 1,000 sq. ft. Irrigate immediately after application to knock concentration off leaf blades to prevent injury and into the soil profile to correct sulfur and calcium deficiencies.

It is not recommended to apply foliar applications of **Calcium Thiosulfate** on turf without irrigation due to the possibility of burn after application. (Foliar application is defined as a spray application that is NTO irrigated into the soil). Do not apply to turf when temperatures are above 90°F. Apply **Calcium Thiosulfate** in the early morning or late evening.

Application Rates for Calcium Thiosulfate				
Fluid Oz/ 1,000 sq. ft.	Gallons/ One Acre	ML/ 1,000 sq. ft.	Calcium/ 1,000 sq. ft.	Sulfur/ 1,000 sq. ft.
6 oz	2.0 Gal	177 ML	0.0293	0.0489
12 oz	4.1 Gal	355 ML	0.0587	0.0978

### Tank Mixing Information:

Prior to any fertilizer or pesticide application, all spray mixing and application equipment must be cleaned. A quality tank cleaner is recommended. Carefully observe all cleaning directions on the pesticide and fertilizer label. Fill the spray or mix tank at least 3/4 full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

- 1) Dry flowables or water dispersible granules,
- 2) Wettable powders,
- 3) Flowables,
- 4) Emulsifiable concentrates,
- 5) Water based solutions,
- 6) Compatibility agents,
- 7) Micronutrients and Fertilizers,
- 8) Spray adjuvants

Before mixing multiple chemicals and/or fertilizers in the tank, confirm product compatibility by performing a jar test. Be sure to mix with plenty of water.

### Caution:

Keep away from children and domestic animals. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

### Storage and Handling:

Store in a cool, dry place. Keep container tightly closed. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Do not store near acids or other acidic materials.

### Available Container Sizes:

2 x 2.5 gal (2 x 9.46 L) Case  
 30 gal (113.56 L) Drum  
 55 gal (208.20 L) Drum  
 275 gal (1040.99 L) Tote

Store above 32° F. Do not allow to freeze.

6CA10S

