



Liquid Fertilizer

Calcium & Sulfur Nutrition & Soil Amendment

0-0-0-10S-6Ca

CATS DELIVERS 100% SOLUBILIZED CALCIUM AND THIOSULFATE-SULFUR FOR USE IN A FERTILITY PROGRAM AND AS A SOIL AMENDMENT.

CATS CAN CORRECT CALCIUM AND SULFUR DEFICIENCY AND IS MORE EFFICIENT AT DISPLACING SODIUM THAN PRODUCTS LIKE GYPSUM.

AS THE ORIGINATORS OF THE FIRST AMMONIUM THIOSULFATE FERTILIZER, CROP VITALITY HAS EXTENSIVE EXPERIENCE WITH THE PRODUCTION AND APPLICATION OF SULFUR-BASED PLANT NUTRITION.

CaTs delivers results

- Improves water infiltration
- Reduces soil salinity by displacing sodium and other salts
- Prevents nitrogen loss
- Extends crop storability and shelf life
- Increases micronutrient and phosphorous availability in high pH soils
- Combats Citrus Greening



Discover how CaTs effectively leaches salts from the soil, allowing water to reach the root zone and deliver calcium where you need it, when you need it.

LEADING PRODUCER OF SULFUR-BASED PLANT NUTRITION

SINCE 1919



Plant Nutrient Content Weight %

Soluble Calcium (Ca)	6
Total Sulfur (S) derived from Calcium Thiosulfate	10

Typical Properties

Specific Gravity	1.25
pH	6.5 - 8.0
Appearance	Colorless
Salt-Out Temperature	32°F

Formulation and Application Factors, 68°F

Density Pounds per gallon	10.4
Volume Gallons per ton	192
Pounds of Calcium per gallon	0.63
Pounds of Sulfur per gallon	1.0

Convenient Application

Easy injection into irrigation water allows calcium to move directly to plant roots and problem soils.

Stabilize Nitrogen

Blends with liquid nitrogen fertilizers to stabilize nitrogen and improve Nitrogen Use Efficiency.

WHY CaTs?

CaTs as a Calcium source

Calcium requirements for most crops increases during periods of rapid growth and early development. Applications of CaTs can be timed to these specific growth stages to maximize impact. CaTs has been shown to improve the storability and shelf life of crops like potatoes and onions. It can be used as a fertilizer for the correction of calcium and sulfur deficiency.

CaTs as a Nitrogen Stabilizer

CaTs is recognized by the American Association of Plant Food Control Officials (AAPFCO) as a nitrogen stabilizer. The Thiosulfate acts as a nitrification inhibitor when blended with UAN or urea solution in any ratio. When blended with urea based fertilizers and applied to the soil surface, CaTs can reduce ammonia loss from volatilization. Lab and field studies have shown increased yields when mixing UAN with thiosulfates, leading to improved profitability.

Thiosulfate as a Sulfur Source

Sulfur deficiency affects the plant's ability to utilize nitrogen for protein synthesis. The advantage of thiosulfate is that it is a highly soluble source of sulfur and great for liquid blends. When applied to soils, thiosulfate immediately begins to oxidize to sulfate-sulfur and in the process can increase the solubility of phosphorous and some micronutrients, including iron, zinc and manganese.

CaTs as an Acidifier

As a dual calcium source and acidifier, CaTs can be used to help manage high pH soil. Programs using thiosulfate-sulfur have been shown to lower soil pH and reduce the effects of citrus greening disease. It can also release unavailable calcium from calcareous soils (soils high in calcium carbonate) leading to the availability of additional calcium.

CaTs for Solubilizing Calcium Carbonate

In calcareous soils, CaTs can be used to dissolve calcium carbonate to release calcium in soils containing 1% calcium carbonate or higher. The calcium is then available to help improve soil physical properties and to improve water infiltration and movement through the soil (important in helping to manage salinity/sodicity).

Warranty and Limitation of Damages

Seller's guarantee shall be limited to the terms in the Application Guide, and subject thereto, the buyer assumes any risk to person or property arising out of use or handling and accepts the product on these conditions.



Handling and Application

See the CaTs Application Guide for handling instructions, crop precautions, rate recommendations by crop and timing of applications. See the Safety Data Sheet (SDS) for safety and first aid information.

SCAN TO LEARN MORE AND REVIEW THE APPLICATION GUIDE



Start a Conversation today with Your Crop Vitality Specialist

Call (800) 525-2803 | E-mail info@cropvitality.com | Visit CropVitality.com

