

CaTs[®]

Calcium Thiosulfate Solution

0-0-0

Guaranteed Analysis:

Calcium (Ca)	6.00%
Sulfur (S)	10.00%
10.00% Combined Sulfur (S)	

Derived from: Calcium thiosulfate

FOR COMMERCIAL OR PROFESSIONAL USE ONLY

KEEP OUT OF REACH OF CHILDREN



WARNING

Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact.
Avoid eye contact. Wash hands thoroughly after handling this product.

FIRST AID

If in eyes: Keep eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

GENERAL INFORMATION

CaTs contains 6% calcium and 10% sulfur. Each gallon of CaTs contains 0.63 pounds of calcium (Ca) and 1.04 pounds of sulfur (S). CaTs may be applied by drip, sprinkler, or flood irrigation. It may be blended with other fertilizers or applied as a foliar treatment on selected crops. When used as a foliar nutrient, CaTs should first be diluted with water before applying. Blends of CaTs should not be acidified below a pH of 6.0. CaTs may be used as a nutrient for the correction of Ca deficiency and as a soil amendment. CaTs is an efficient source of soluble calcium and sulfur to aid in the correction of these nutrient deficiencies in fruit and vegetable crops.

CaTs is compatible with most fertilizer solutions. CaTs is **not compatible with phosphate fertilizers**. In absence of specific recommendations and data, a jar test is recommended before mixing large quantities. The addition of water to the mixture may be helpful to maintain blend stability.

When blending with micronutrients and pesticides, trial blends should be conducted before beginning large scale mixing. When mixing other liquid fertilizers and/or pesticides with CaTs, the blend sequence should be as follows: water, pesticide, CaTs and/or other fertilizer.

CaTs may be applied to a wide variety of ornamental, turf, greenhouse, and other agricultural crops. Calcium requirements for most crops increase dramatically during periods of rapid growth and fruit development. Application of CaTs should be made based on soil and/or plant tissue analysis for calcium.

DO NOT apply to foliage of crops sensitive (foliar burn) to sulfur. DO NOT apply to foliage of any crop when temperatures are above 90° F. Apply CaTs in the early morning or late evening.

Pop-Up Fertilizers Many crops are sensitive to salts during germination. When soil moisture is low, delayed crop emergence and/or phytotoxicity may occur when fertilizer is placed too close to the seed. Do Not use CaTs in pop-up fertilizer when soil moisture is limited, soil salinity is above an electrical conductivity of 2 or when irrigation is delayed such that germination may be affected.

F1548

Density: 10.43 lbs/gallon @ 68 °F.

Net Contents: 2.5 gallon (9.46 liters)

Net Weight: 26.08 lbs (11.83 kg)

Loveland
PRODUCTS

Guaranteed By: LOVELAND PRODUCTS, INC.[®] • P.O. BOX 1286 • GREELEY, CO 80632-1286

DIRECTIONS FOR USE

SOIL APPLICATION RATES: CaTs may be broadcast, banded or knife injected as a source of calcium and sulfur. Rates may vary between 10 to 40 gallons per acre (GPA). **Pre-plant treatment:** Apply 30 to 40 gallons of CaTs per acre via the irrigation water.

CaTs may be broadcast or band applied to the soil surface.

For band application: apply at the rate of one gallon per acre per inch of band width. (An eight inch band would require an 8 gallon per acre rate.) CaTs may be applied to a wide variety of agriculture crops, turf, ornamentals and greenhouse plants. CaTs may be broadcast, banded or knife injected as a source of calcium and sulfur. Rates may vary between 10 to 40 gallons per acre (GPA). Broadcast application rates are dependent on soil type, water quality and method of irrigation.

PRE-PLANT TREATMENT: Apply 30 to 40 gallons of CaTs per acre via the irrigation water.

DRIP IRRIGATION - YOUNG TREE AND VINE CROPS: 3 to 10 gallons per acre per application during the growing season. Allow 10 to 14 days between applications.

MATURE TREES AND VINE CROPS: 3 to 15 gallons per acre per application. Repeat one to two times during the growing season. Allow 10 to 14 days between applications.

VEGETABLE AND ROW CROPS: 1.50 to 5 gallons per acre per application. Repeat 2 to 4 times during the growing season as needed. To improve water filtration and provide soluble calcium and sulfur inject 4 to 6 gallons per acre per application.

OVERHEAD IRRIGATION: APPLES: 5 to 10 gallons per acre per application. Repeat as needed to achieve calcium tissue levels desired.

YOUNG TREE AND VINE CROPS-OTHER: 3 to 8 gallons per acre per application. Repeat as required.

MATURE TREE AND VINE CROPS-OTHER: 5 to 10 gallons per acre per application. Repeat as required.

POTATOES: 10 to 25 gallons per acre per application. Repeat as required to maintain adequate calcium tissue levels.

OTHER CROPS: 5 to 10 gallons per acre per application. Repeat as required.

TURF: Apply CaTs in the irrigation water at 30 to 40 ounces per 1000 square feet. Apply as needed during the growing season as indicated by soil and tissue testing.

FOLIAR APPLICATION RATES

Apply when sufficient canopy is present to intercept spray volume. Apply in sufficient volume to achieve sufficient plant coverage, usually 20 gallons per acre.

ALFALFA: 2 gallons per acre per application. Apply on stubble of previous cutting.

DRY PEAS: 1 gallon per acre per application at 1/10th bloom stage.

LENTILS: 1 gallon per acre per application at 1/10th bloom stage.

OTHER CROPS: 0.50 to 1 gallon per acre per application. Repeat applications as required.

Salt-Out Temperature: °F <15.

STORAGE AND DISPOSAL

STORAGE: Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed by storage or disposal.

DISPOSAL: Do not reuse container. Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters or spray waste. **HANDLING:** Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY
BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary. LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.

California Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-lpi.com>

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