



## Foliar Liquid Nutritional PLANT NUTRIENT AND SOIL AMENDMENT

GUARANTEED ANALYSIS: By Weight  
Soluble Calcium (Ca).....6%  
Sulfur(S).....10%

Derived from.....**Calcium Thiosulfate**  
Weight per gallon.....10.39 lbs/gal

**KEEP OUT OF REACH  
FROM CHILDREN**

Harmful if swallowed. Avoid contact with eyes, skin and clothing. May cause irritation of nose, throat or skin. Do not mix with phosphate fertilizers. Do not mix with strong acid fertilizers, noxious gas will be formed (sulfur dioxide).

### APPLICATION GUIDELINES

**ACIDI-CAL** is both a fertilizer and soil amendment. As a fertilizer, **ACIDI-CAL** is a valuable source of soluble calcium and sulfur for treating nutrient disorders in turf and ornamental crops. As a soil amendment, **ACIDI-CAL** can be used to improve water infiltration and help leach out harmful salts in the soil.

**ACIDI-CAL** may be applied to a wide variety of ornamental, turf and agricultural crops. Application of **ACIDI-CAL** should be made based on soil, water and/or plant tissue analysis.



200 S.R. 70 West Lake Placid, Florida 33852-8715  
(863)465-5203

# ACIDI-CAL

## GENERAL INFORMATION

**ACIDI-CAL** is a unique combination of calcium, elemental sulfur and sulfate sulfur which are normally incompatible in solution. Through bacterial oxidation of the elemental sulfur to sulfate sulfur, **ACIDI-CAL** effectively acidifies the soil while adding calcium.

**ACIDI-CAL** is a neutral to basic, chloride-free, clear liquid solution, containing 6% calcium and 10% sulfur. Calcium Thiosulfate can be applied by drip, sprinkler, or flood irrigation.

You can use **ACIDI-CAL** in situations where calcium is needed but additional nitrogen is not, although **ACIDI-CAL** is compatible with UAN, ammonium nitrate, aqua ammonia and calcium nitrate solutions. When blending with other fertilizer solutions, a jar test is recommended before mixing large quantities.

When mixing other liquid fertilizers and/or pesticides with **ACIDI-CAL**, the blend sequence should be as follows: water, pesticide, **ACIDI-CAL** and/or other fertilizer.

## SOIL APPLICATION

**ACIDI-CAL** can be broadcast or band applied to soil surface to reduce crusting problems and improve water infiltration. For band application, apply at least one gallon per inch of band width. Broadcast application rates are dependent on several parameters such as soil type, water quality and irrigation method. Rates will vary between 10 and 30 gallons per acre per application depending on the severity of these conditions. See CAUTION section.

## TURF ESTABLISHMENT

For turf establishment, use 30 to 50 gallons of **ACIDI-CAL** per acre in irrigation water.

## PACKAGE AVAILABILITY

**ACIDI-CAL** is available in:

- 2 x 2.5 Gallon Case

See MSDS sheet for more information on safety and handling.

## STORAGE

Do not store at temperatures below 20°F as crystallization may occur. **ACIDI-CAL** can be stored in plastic, mild steel, fiberglass, stainless steel, or aluminum vessels.

## CAUTION

Do not apply **ACIDI-CAL** to crops sensitive to sulfur (foliage burn).

Plant and leaf injury may occur on some crops when certain weather and growing conditions are present. Do not apply to foliage of any crop when temperature is above 90°F.

**ACIDI-CAL** can be blended with other fertilizers and pesticides. Consult pesticide manufacturer before mixing large quantities. Always do a jar test before blending unfamiliar products. Order of blending should be water, pesticide and then **ACIDI-CAL**. Make sure pesticide is thoroughly mixed before adding **ACIDI-CAL** to the tank.

Do not apply **ACIDI-CAL** with knife injectors or other types of fertilizer injecting equipment in a manner that may cause root pruning.

Chlorination of drip irrigation system should be avoided while injecting **ACIDI-CAL**.

Fertigation is the application of fertilizer through the irrigation water. Applicators must make sure irrigation system is operating properly before injecting fertilizer. Crop injury can occur if injection rate is too fast, concentrating the fertilizer in the root zone or on the leaves. Apply **ACIDI-CAL** during the middle 1/3 of the irrigation period.

Do not apply to crops under moisture stress. Do not apply to transplants until after they are well established.

Do not acidify below pH 5.5.

Do not mix **ACIDI-CAL** with phosphates and sulfates.

## FERTIGATION

**ACIDI-CAL** can be applied through most types of irrigation systems.

**TURF** – Apply **ACIDI-CAL** to the irrigation water at 30 to 40 ounces per 1,000 sq. feet (equates to 10-11 gallons/acre). Apply as needed during the growing season.

**ORNAMENTALS** – For Ornamentals apply one quart **ACIDI-CAL** per 1,000 sq. feet in irrigation water on growing plants. If foliage is contacted, rinse off immediately.

For preplant treatment of soil, use ½ to ¾ gallons of **ACIDI-CAL** per 1,000 sq. feet in irrigation water

## CONDITIONS OF SALE

1. Douglass Fertilizer & Chemical, Inc. (DFC) warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use. No one other than the officer of DFC is authorized (and such authorization must be in writing) to make any other warranty, guarantee or direction concerning this product.

2. Because the time, place, rate of application, weather conditions and normal or abnormal conditions of use or storage are beyond DFC's control, DFC's liability is limited to replacement of product or refund of purchase price. In no event shall DFC be liable for indirect or consequential damages.



200 S.R. 70 West Lake Placid, Florida 33852-8715  
(863)465-5203

## HANDLING