



CAL-TEC 9% 6-0-0

CALCIUM GLUCOHEPTONATE *With* 9% CHELATED CALCIUM

- **100% Chelated Calcium**
- **Quickly Corrects Calcium Deficiencies**

GUARANTEED ANALYSIS:

Total Nitrogen (N) 6%
 6 % Nitrate Nitrogen
 Calcium (Ca) 9%
 9% Chelated Calcium (Ca)
 Derived From: Technical Grade Calcium Nitrate. Chelating Agent: Glucoheptonate.
 Weight per gallon 11.3 lbs.
 Weight per litre 1.35 kg
 Each gallon contains 1.02 lbs Calcium
 Each litre contains 0.12 kg Calcium
 Freezing temperature 32°F
 pH 6.5

PRODUCT DESCRIPTION:

Cal-Tec 9% is a calcium / nitrogen complex that is 100% soluble and allows immediate plant uptake through both the leaves and root tissue. Calcium is known to be essential for plant membrane integrity, proper cell division and overall plant vigor and stiffness. It is important in cell wall bonding and promotes enzyme activation for starch conversion. Cal-Tec 9% can be used during hot weather to reduce stress during times of high transpiration. Calcium will neutralize salt build up in soilless mixes. As with all Growth Products fertilizers, our Ca-Tec is a true solution. Cal-Tec 9% provides the plant with immediately available calcium along with nitrogen for correction of calcium deficiencies. Cal-Tec 9% is amine compatible and can be used with herbicides, insecticides and fungicides.

APPLICATION RECOMMENDATIONS:

When determining the application rates of Cal-Tec 9%, it is important to check both tissue and soil sample analysis for calcium levels. Since calcium is the second highest percentage in plant tissue, it is important to correct any deficiencies early in the spring and continue to apply throughout the growing season. Hot weather will also aggravate calcium deficiencies. Calcium deficiencies become evident at terminal bud growth, with hooked malformation and finally dying back.

Like all Growth Products, it is ideal for any type of fertigation system, drip irrigation or spray equipment. Use Ca-Tec on all types of bedding plants, perennials, cut flowers, plugs, ornamentals, nursery crops, trees, foliage, ornamental grasses, and container plants.

- **Soluble & Ready For Immediate Uptake**
- **Use To Raise pH Levels**

Direct Siphon: Cal-Tec can be siphoned directly from the original container. This can be done with a variable proportioner that can be set to high ratios. This eliminates the need to mix stock concentrates or stir the mixing barrels. For 100 PPM calcium, set injector to 1:1000; for 200 PPM, set injector to 1:500.

Soil & Tissue Testing: Have horticulturalists identify micronutrient deficiencies. Whenever possible, run these tests prior to micronutrient applications in order to prescribe the deficient micro.

Parts Per Million: Use the Parts Per Million chart to choose desired calcium and nitrogen ratio.

Foliar Feeding: When using overhead irrigation, Cal-Tec gives you dual efficiency as the nutrients will be absorbed by both the leaf and roots of the plant. For tender plants and greenhouse foliar spray applications use one-half the rate (PPM) you would normally use for drip irrigation feeding.

| GREENHOUSE & NURSERY INJECTION RATIO | | |
|--------------------------------------|-----------------------------------|---|
| 1:100 | 38 PPM Nitrogen 50 PPM Calcium | 5 oz per gal water (148 ml in 4 L water) |

| NURSERY APPLICATIONS | | |
|--|---|---|
| Application | Rate | Notes |
| Containerized Crops, Woody and Flowering Ornamentals, Foliage, Field-Grown Nursery Stock And Trees | Spray: 1-2 quarts per 100 gal of water (250 - 500 ml in 100 L water) | Thoroughly spray to point of runoff. Apply every 2-4 weeks. |
| Palms | Spray: 1 quart per 100 gal of water (250 ml in 100 L water) | |

Hand Watering: Mix ½ to ¾ teaspoon Cal-Tec per gallon of water. Saturate soil with mix.

STORAGE & HANDLING:

Storage: All Growth Products Professional Liquid Fertilizers can be stored in a normal warehouse area and are not affected by heat or freezing temperatures. Cal-Tec 9% does not need any special agitation. It has a neutral pH and is not corrosive or abrasive.

Dilution: Cal-Tec 9% can be diluted by either adding the concentrate to water or the water to concentrate without any detrimental effects on the final mixed product. Appropriate quantities of water should be added prior to adding potassi-

um and phosphates, or pesticides, fungicides and herbicides.

Mixing: Cal-Tec 9% must first be diluted with water prior to mixing with other nutrients or pesticides. The following mixing procedures should be used after Cal-Tec has been diluted with water. Add products to mix in this order: 1. wettable powders, 2. flowables, 3. water solubles, 4. surfactants, 5. emulsifiable concentrates. Be sure to agitate during each addition, mix well before adding next product. Apply all of mixture that day. Do not mix with strong alkaline materials.

CAUTION: Keep out of reach of children. In case of contact with eyes, flush immediately with copious amounts of water. Contact a physician. Do not take internally.

Manufactured in the USA By:

