

# CALCIUM SOLUTIONS

## FOR SPECIALTY CROPS

Ca

### THE IMPORTANCE OF CALCIUM

Calcium is essential for plant growth and production. Calcium helps form cell walls to strengthen plants and stimulate root and leaf development. Calcium balances the organic acids in plants while activating plant enzyme systems.

Product & Analysis	Dry or Liquid	Features	Application Method	Use Rate (per acre)	Density	Freezing Pt. (°F)
<b>NutraLime® DG</b> (Hi-Cal and Hi-Mag) 30.0-34.0 Ca, 0.6-4.0 Mg	Dry	<ul style="list-style-type: none"> <li>Premium hi-cal pelletized limestone product</li> <li>Provides quick soil pH adjustment</li> <li>Exceptional spreadability and field coverage</li> <li>Easy to handle</li> <li>Uniform sizing</li> <li>Increases nutrient availability</li> </ul>	Dry Broadcast	300-500 lbs	70.0 lbs/ft <sup>3</sup>	N/A
<b>NutraSoft® DG</b> 21.0 Ca, 16.0 S	Dry	<ul style="list-style-type: none"> <li>All-natural, high-quality mined material</li> <li>Delivers calcium and sulfate sulfur with neutral pH</li> </ul>	Dry Broadcast	300-500 lbs	70.0 lbs/ft <sup>3</sup>	N/A
<b>Black Gypsum DG®</b> 48% CaSO <sub>4</sub> • 2H <sub>2</sub> O 10% humic acid	Dry	<ul style="list-style-type: none"> <li>Combination of natural gypsum and humic substances</li> <li>Improves root development, plant nutrient uptake and phosphorus stability</li> <li>Provides secondary nutrients (calcium and sulfur)</li> <li>Enhances soil health by stimulating soil microbial populations and relieving compaction and salinity</li> </ul>	Dry Broadcast, Furrow	150-300 lbs	49.0 lbs/ft <sup>3</sup>	N/A
<b>Eezy™ Cal 10%</b> 8-0-0 + 10.0 Ca (also available in Cal-B and Cal-K)	Liquid	<ul style="list-style-type: none"> <li>Clear, light brown liquid</li> <li>Contains a natural organic carrier</li> <li>No ammonium (NH<sub>4</sub>)</li> <li>Helps release other nutrients</li> <li>Prevents and corrects calcium deficiencies</li> <li>Totally and immediately available to the plant</li> </ul>	Soil	2-8 qts	11.8 lbs/gal	-4
			Foliar	1-4 qts		



For more information on these products and other available products, visit [AndersonsPlantNutrient.com](http://AndersonsPlantNutrient.com)

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### ROLES OF CALCIUM

- Helps form cell walls to strengthen the plant
- Stimulates root and leaf development
- Affects the uptake and activity of other nutrients
- Aids in stress reduction
- Helps balance organic acids in the plants
- Activates plant enzyme systems
- Improves disease resistance

### CALCIUM DEFICIENCY SYMPTOMS

- Death at the terminal buds
- Blossom end rot or fruit abortion
- Thin or weak stalks or stems
- Discolored or darken foliage

### CALCIUM DEFICIENCIES CONTRIBUTE TO:

- Physical disorders
- Reduced shelf life of fruit
- Lessened resistance to disease



Aus: W. Bergmann, 1993

Calcium deficient potato

Source: Oregon State University



Calcium deficient apple

Source: Ephytia



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