



NANO Calcium

Nano Calcium provides structural support on the plant cell walls and significantly reduces diseases and insect pest infestations. Nano calcium particles are encapsulated by a chitosan-based biopolymer, embedded on amino acid, and suspended in water. It has a particle size of less than 100 nanometers and with a potency of 10,000 ppm. Calcium may be available in the soil but in an unavailable form. It becomes unavailable and non-absorbable. Nano Calcium addresses this issue by making the calcium bioavailable.

Composition/Technical Specifications

Components	Composition (%) w/w
Calcium Chloride	30.00
Citric Acid	15.00
L-Lysine Hydrochloride	10.00
Xanthan Gum	0.20
PEG - 6000	0.25
Gelatin	0.25
Sodium Methyl Paraben	2.00
Sodium Propyl Paraben	0.10
Formic Acid	2.50
Vitamin - C (Sodium Ascorbate)	0.25

Benefits

- enhances cell tissue strength for greater resistance to heat and traffic stress
- improves the availability of N-P-K and other vital micronutrients
- Nano Technology will help make Ca in small quantities to replace bags of Ca Fertilizer
- it increases the elasticity of the fruit skin, facilitating fruit growth and enhancing firmness, which improves the resistance to transport and storage
- it prevents and corrects calcium deficiencies and associated pathogens such as apical rot and fruit cracking and necrosis in the apical leaf

Symptoms of Calcium Deficiency

- brown scorching and curling of leaf tips as well as chlorosis (yellowing) between leaf veins
- appearance of purple spots on the undersides of the leaf
- reduction in plant growth, root development
- delay in seed and fruit development of the plant

Dosage & Methods of Application

Foliar Spray

1 to 3 L/Ha once in 15 - 45 days