



# NANO Calcium

**Nano Calcium** particles encapsulated by a chitosan-based bio polymer, embedded on an amino acid and suspended in water. Nano Calcium has a particle size of less than 100 nano meter 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 bio available.

Components	(%) w/w
Calcium as Ca	30.00
Organic acids	17.5
Amino acids	4.00
Biopolymer	0.45
Stabilizers	0.25
Preservatives	0.10
Antioxidants	0.25

## Benefits

- Participates in metabolic processes of other nutrients uptake
- Promotes proper plant cell elongation
- Strengthen cell wall structure - calcium is an essential part of plant cell wall. It forms calcium pectate compounds which give stability to cell walls and bind cells together
- Participates in enzymatic and hormonal processes
- Helps in protecting the plant against heat stress - calcium improves stomata function and participates in induction of heat shock proteins
- Helps in protecting the plant against diseases - numerous fungi and bacteria secrete enzymes which impair plant cell wall. Stronger cell walls, induced by calcium, can avoid the invasion
- Improves fruit quality
- Aids in the regulation of the stomata

## Dosage & Application

Each 1L provides 105g Calcium, 800,000 IU Vitamin D3, 20,000 IU Phosphatase Enzyme, 10.5g Aminoacids

Crops	
Fodder crops	1.5-2 L/Ha once in 21 days
Cereal crops	1.5 L/Ha once in 21 days
Oil Seed Crops	1.75 L/Ha once in 21 days

Crops	
Vegetables	1-1.5 L/Ha once in 15 days
Floriculture	1-1.5 L/Ha once in 15 days
Horticulture crops	2-3 L/Ha once in 45 days