

# Nanocrop™ Calcio

## Amino acids with calcium in the form of nanoparticles



### Dosage

#### FOLIAR APPLICATION

Sweet fruits	
Nuts	
Vine	200-300 cc/hl
Citrus fruits	Multiple applications
Olive trees	
Horticultural crops	
Alfalfa and other extensive farming crops	1.5-2 l/ha Multiple applications

### Guaranteed contents (% w/v)

Calcium oxide nanoparticles	1.58
Free amino acids of plant origin	17.82

**AMINOGRAM (%)**: Hyp (0.01), Asp (0.24), Glu (7.84), Ala (0.18), Arg (0.28), Ile (0.10), Phe (0.11), Gly (4.27), His (0.03), Leu (0.13), Lys (2.10), Met (0.01), Pro (0.44), Ser (0.45), Tyr (0.01), Trp (0.01), Thr (0.20), Val (0.27)

### Physicochemical characteristics

pH: 9

Density: 1.13 g/ml at 20 °C

Total water solubility

Liquid formulation with 1.4% w/w of calcium oxide in the form of nanoparticles dispersed in **Elicitech<sup>2</sup>**® (98.6% w/w). The nanoparticle size (between 20-40 nm) allows calcium to be easily translocated in the plant (through the phloem), as well as a better coverage on the leaf surface, benefitting its delivery to the fruit. This reduces the incidence of plant disorders and prolongs post-harvest life.

**Elicitech<sup>2</sup>**® is a formulation based on metabolic activators and amino acids of plant origin, which act by stimulating self-protection mechanisms in plants, improving their metabolic system, and also act as nanoparticle carriers.

**Nanocrop™ Calcio** provides the following advantages:

- ✔ It acts by substantially increasing the fruit calcium content, reducing the incidence of certain plant disorders related with the calcium (bitter-pit, blotch-pit, fruit softening, end rot, tipburn...).
- ✔ It significantly increases levels of calmodulin in plants, the protein that transports calcium.
- ✔ It favors the assimilation of calcium and prevents soil contamination and degradation.
- ✔ It improves the quality of the fruit both before and after picking, prolonging post-harvest life.
- ✔ It reduces the amount of calcium required, rendering crop fertilization more effective.
- ✔ It improves the general state of the crop by metabolic activation and/or through other routes, resulting in a better yield and higher quality.
- ✔ It stimulates the natural defenses of the plant, reducing the use of fungicides.

**RESIDUO 0**

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