

Caltivate

Organo mineral Fertilizer
Calcium (CaO) 17.6% EDTA

ph: 6.8 | EC: 850 μ S/cm | Specific weight: 1.150 g/L | 100% water soluble | Appearance: Yellowish/Clear
Fertilizer Group (c) Min. Dec. 257921/2004 | Marketing Authorization No. 223

What is Caltivate?

Caltivate is an organic liquid biostimulant produced from fruit and herb extracts that aims to prevent and correct Ca deficiency and meet the organic needs of the plant. It contains 17.6% Ca in chelated form (chelating agent EDTA) and a high percentage of organic matter (52.7%).



Its specific composition ensures the immediate uptake and assimilation of Ca in plants, preventing the occurrence of physiological disorders directly related to insufficient levels of calcium within plants such as:

Blossom End Rot -BER in tomato and pepper

Tip Burn in leaf vegetables e.g. lettuce, cabbage

Black Core in celery, potato

Bitter Pit in apples

Brown Core on endive

Fruit cracking in cherries, pomegranates etc.

Why choose Caltivate?

- Favors the growth of shoots and roots
- Promotes the consistency of the fruit and reduces cracking
- Ensures satisfactory flowering and fruit set
- Improves the quality characteristics of the production
- Increases the resistance of the fruit to fungal diseases
- Favors the tolerance of the crop to high temperatures drought, salinity
- Adds to plants greater resistance against pathogens
- Reduces fruit drop resulting in increased production

The role of calcium

Dynamic Role

It participates in the formation of cell walls and cell membranes as a major component of the middle plate, imparting characteristic hardness, rigidity to the cell wall and regulating the stability and permeability of the cell membrane through interaction with phospholipids.

Signaling Role

Acts as a secondary messenger in metabolic regulation during plant response to environmental stimuli.

Divides and elongates cells

Regulates the uptake and movement of nutrients

It is involved in the process of photosynthesis

Neutralizes the action of high concentrations of other elements

Gives plants resistance to abiotic and biotic stress factors

Method of Application & Dosages

Caltivate is applied by both foliar spraying and fertigation. The number of treatments depends on the intensity of the calcium deficiency symptoms. However, it can also be applied to prevent possible calcium deficiency in the crop.

Fertigation: 15-20 lt/Ha
Foliar application: 150-250 cc in 100 lt of water

Composition

At transplanting and in later stages of plant growth, when plants are threatened by pathogens or in situations of abiotic stress that cause adverse growth conditions and require strengthening of the root system of the plants.

Composition	%w/w
Calcium (CaO)	17.6% EDTA
Organic Carbon	5.3%
Organic matter	52.7%

pH: 6,8