NATURAX FORCE
Agricultura de alto rendimiento

Technical specifications

CALCIX

Calcium Solution

Description

CALCIX supplies calcium to plants. It features high solubility, rapid assimilation, and efficient translocation within the plant.
It helps prevent physiological disorders caused by calcium deficiency, improves tissue firmness, and extends the storage life of fruits.
Calcium (Ca) is a structural component of the middle lamella of the plant cell wall, where it performs a cementing function in the form of calcium pectate. It is responsible for tissue firmness. It is an essential element for protein synthesis and cell division, while also stimulating plant growth and root development. It also activates enzymes, strengthens metabolism, and participates in hormonal regulation.
Calcium also regulates carbohydrate transport into and out of the cell, the acid-alkaline balance within the cell, and the amount of dry matter. It also increases resistance to drought, pathogens, and pests.
Calcium (Ca) is therefore an essential nutrient for plants due to its key role in numerous structural functions related to cell walls and cell membranes. It also coordinates plant responses to different developmental and environmental challenges.

Benefits

As a soil-improving agent, it enhances water availability, improves nutrient uptake, strengthens photosynthesis, and accelerates nitrate reduction and protein synthesis.
It also has a positive influence on the balance of plant hormones and increases nitrogen uptake.
It promotes the development of beneficial soil microorganisms.
It strengthens the structure of the cell wall, maintains the elasticity, permeability, and integrity of the cell membrane, and participates in cell division and growth processes.
It increases plant resistance to physiological rots.
It stimulates carbohydrate (sugar) metabolism in the plant and contributes to its transport.
It increases pollen viability and stimulates its growth.
Finally, it promotes root system development and the formation of new shoots.

Minimum Composition and Rates

Composition

Water-soluble calcium oxide (CaO) 14%p/p

Application Method

Foliar application and general fertigation application 8-10L/ Ha throughout the entire crop cycle.

Rates

General foliar application: 300-400 mL/100L(cada 7-15 días).
Vegetable crops: 300-350mL/100L(Cada 7-10 días).
Woody and tree crops: 350-400mL/100L(Cada 12-15 días).
Hydroponics: 20-30 ml/m3

Storage and Compatibility

Store tightly closed in the original container and keep in a cool place.
Avoid prolonged exposure to air or moisture.
It can be used in mixtures with many fertilizers and plant protection products, including insecticides and fungicides. Do not use together with products containing copper, sulfates, mineral oils, or alkaline products (pH > 8), nor with products rich in phosphates, emulsions, or Bordeaux mixtures.
Avoid use under extreme temperatures. A compatibility test is recommended, as well as applying the product first to a small area in order to check for possible adverse effects on plants or sediment formation.