

CALCINATOR™

LIQUID CALCIUM FOR FOLIAR APPLICATION



DESCRIPTION

CALCINATOR™ is a liquid foliar calcium fertiliser formulated with amino acids and other organic compounds to correct calcium deficiencies and improve plant growth, health, and tolerance against environmental stress conditions.

KEY BENEFITS

- Increases calcium uptake throughout the leaves
- Improves crop quality by increasing the cell wall density
- Improves cell division and strengthens cell walls
- Improved resistance against environmental stress conditions, such as: cold, heat, drought, salt stress, etc.
- Promotes plant growth and health
- Stimulates antioxidant production

CONTAINS

(N% - P% - K% - S%)

(0 - 0 - 0 - 0)

Ca

- 16.6 % W/V



POSITIONING AND FUNCTIONS

CALCINATOR™ is a key product within the fertiliser programme. It was developed to address calcium deficiencies, while simultaneously enhancing crop growth, health and tolerance to environmental stress conditions. As a result, CALCINATOR™ serves multiple purposes, where the calcium acts as both a cell wall and membrane stabilizer and as a secondary messenger in a number of developmental and physiological processes. The amino acids reinforce cell walls by increasing the cellulose content and the selected organic compounds increase growth rates, photosynthesis and tolerance against abiotic stress conditions. Stronger cell walls are also associated with increased disease resistance, improved skin quality, and a longer shelf life.

In soils calcium is absorbed by the roots and transported in the xylem vessels of plants through the mass flow of water, which is driven by the process of transpiration. Conditions of high temperature, high relative humidity, water deficit, cloudy conditions and dense canopies will lower transpiration. For this reason, calcium deficiencies can occur in plants. Since calcium is not highly mobile in plants, deficiency symptoms will first appear in active growing areas, such as younger leaves and tissues. To avoid calcium deficiencies, CALCINATOR™ should be applied on a regular basis as a foliar spray, early in the season, when rapid vegetative growth is associated with cell division. During the initial stages of fruit growth, when intensive cell division occurs, frequent application of CALCINATOR™ directly after petal fall to the end of the cell division is needed to increase fruit set.

REGION

NEW ZEALAND

TYPE

Liquid

APPLICATION

Foliar

PACKAGING

20L, 200L, 1000L

CROPS

-  Berries
-  Fruit trees
-  Grains
-  Sugarcane
-  Tree nuts
-  Vegetables
-  Vines
-  Potatoes