



TOPCAL®

Liquid fertilizer based on calcium and boron

CHARACTERISTICS

TOPCAL is a liquid fertilizer with a high content of calcium plus boron, for foliar application to fruit tree crops, vegetables and hydroponic crops. TOPCAL has a calcium deficiency prevention action, and guarantees good fruit preservation.

EFFICACY

- ✓ *Liquid formulation for foliar application*
- ✓ *Has a calcium deficiency prevention action*
- ✓ *Contains boron*

Calcium is an essential element for the growth of plants. It is present in the medium lamina of the cells, and provides a balancing function for the organic acids, it is important for cell extension, for solid vegetable tissue and promotes the permeability of cells.

Dryness, salinity, low temperature, compact soil, high content of potassium in the soil, are all reasons for low absorption of calcium and cause calcium deficiency problems.

Boron has an important role in metabolism and the transporting of carbohydrates, in the synthesis of proteins, of pectin's (cellular walls) and lipids. It is indispensable in providing proper development and a quick growth of meristematic tissues (root apices and shoots).

TOPCAL increases the fruit quality and reduces some disease such as bitter pit, leaf spot, rolling up of leaves, rotteness and/or the splitting of fruit.

TOPCAL controls some disease, such as:

- Bitter pit;
- Rotteness in tomatoes and peppers;
- Splitting of cherries;
- Spots of the leaves of vegetables;
- Low quality in strawberries.

RESULTS

TOPCAL stimulates a harmonic development of leaves, buds and fruit with characteristics of elevated quality, consistency and resistance.

COMPOSITION

	% w/w	% w/v
Calcium oxide (CaO) soluble in water	17.4	22.6
Boron (B) soluble in water	0.1	0.13

SPECIFICATION Density 1300 g / lt pH 4 - 5

STATE Liquid **APPLICATION** Foliar

DOSES, WAY, TIME OF APPLICATION

Crops	Doses	N° of application and period of application
Apple trees, Pear trees	300-400 g/hl (230-300 ml/hl)	After fruit development, 4-5 applications Every 10-15 days
Peach trees, Apricot trees, Cherry trees	250-300 g/hl (200-230 ml/hl)	After fruit setting, 2-3 applications Every 10-15 days
Vines		
Tomatoes, Peppers, Aubergine	150-250 g/hl (100-200 ml/hl)	After fruit setting, 2-3 applications Every 10-15 days
Melons	400-500g/hl (300-400 ml/hl)	After fruit development, Every 10 days
Leafy vegetables	150-200 g/hl (100-150 ml/hl)	After 4-5 leaf stage of development every 10 days Afterfruit development, every 10 days
Strawberries		

PACKAGING 20 lt can

WARNING Do not mix with strong acidic products, oxidizing agents, water soluble fertilizers with high ammonical nitrogen, copper based products.

Product is stable at ordinary storage conditions and temperature range between - 5°C +35°C. Product should be applied within 12-18 months from production date, in order to give maximum results