



## APICAL®

Liquid fertilizer based on calcium and magnesium

### CHARACTERISTICS

APICAL is a liquid fertilizer with a high content of calcium, magnesium and nitrogen, suitable for foliar applications, and soil irrigation. In APICAL the nitrogen is present in nitrate form.

### EFFICACY

- ✓ *Liquid fertilizer for foliar applications and for drip irrigation*
- ✓ *It prevents the pathogens caused by calcium and magnesium deficiency*
- ✓ *Easy to use and apply*
- ✓ *Nitrogen with an immediate effect*

Calcium is an essential element for the growth of plants. It is present in the median layers of the cells. Calcium has a balancing function on the content of organic acids. It is responsible for the distension and the consistency of the plant's tissues, helps with cellular permeability and Magnesium is the single mineral element that manufactures chlorophyll. It is a specific enhancer of many enzymes involved in the metabolism of carbohydrates, of nitrogen, of proteic synthesis, and the synthesis of fats. Nitrogen is the basic element for growth, for development and the production of plants. It is absorbed from the roots mostly as nitrate and used in the synthesis of the chlorophyll, amino acids, the proteic substances and enzymes of the DNA.

APICAL, with the simultaneous and balanced presence of calcium, magnesium and nitrate nitrogen, is a fertilizer that gives prompt and efficient results. The three elements working together improve the vegetal development and colouration. It improves yields, the quality and preservation of the fruit reducing pathologies (desiccations, rolling up, apical rottenness, bitter pit, filloptosys and desiccation of the rhachis, split of the fruits).

It is useful, therefore, when it is desired to quickly obtain an increase of the green parts of the plant (leaves, buds and early fruits) with firm tissues, resistant and free of pathologies.

It is advised to use repeated applications during all stages of growth and particularly to be added to other water-soluble fertilizers (NUTRIGOLD, AMINOLEAF) with low content in nitrogen.

### RESULTS

APICAL, applied during all the growing stages, stimulates a harmonic development of leaves, buds and fruit with characteristics of elevated quality, consistency, and resistance.

### COMPOSITION

	% w/w	% w/v
Nitrogen total (N)	8	11,3
Nitric nitrogen	8	11,3
Calcium oxide (CaO) soluble in water	10	14,1
Magnesium oxide (MgO) soluble in water	4	5,6

**SPECIFICATION**

Density 1410 g/lit

pH 5.5 ± 0.5

**STATE**

Liquid

**APPLICATION**

Foliar and soil

**DOSES, WAY, TIME OF APPLICATION**

Crops	Application rate	N° and time of applications
Fruit trees, vines, olive trees, vegetables, leafy vegetables, flowers, ornamental shrubs and trees, industrial landscape plantings	Root application-greenhouse: 8-10 g/m <sup>2</sup> (6-8 ml/m <sup>2</sup> )  Soil Application in Open areas: 60-80 kg/ha (40-60 l/ha)  Foliar: 300-500 g/hl (200-400 ml/hl) Equal at least to: 3-5 kg/ha (2-4 l/ha)	2-4 applications every 15-20 days during the vegetative development, after fruit-setting and in the stages of fruit swelling

**PACKAGING**

10 lt can

**NOTES**

APICAL is employed with success when added to organic products (ALBAMIN, AMINOTON, LONITE, MIXAMIN, BIOLINFA). It is advantageous to use APICAL with the other water-soluble fertilizers (NUTRIGOLD, AMINOLEAF) that have low contents of nitrogen.

**WARNING**

The product is stable from +5°C to +35°C. It must be kept in airy, cool, dry places, far from sources of heat/ignition and it must be protected from sunlight.