



Liquid calcium chelate fertilizer

ActiCal



CALCIUM AMINO ACID CHELATE WITHOUT CHLORINE AND NITRATES

Guaranteed content: **CaO** – 112 g/l **CaO** – 9,6 %

Zn EDTA – 0,01 % **Mo** – 0,001 %



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Description and performance

ActiCal is a foliar specimen of the latest generation containing calcium in the form of a high quality chelate. This unique **amino acid formulation of calcium (CALAC112)** substantially augments bioavailability, eliminating the drawbacks associated with the low mobility of calcium ions in plants (CaO calcium content – 112 g/l). **It is convenient to use and is one of the few products in the market does not contain chlorine or nitrates.**

- Improves fruit firmness, durability and mechanical resistance
- Prevents physiological diseases caused by calcium deficiency
- Improves fruit resistance to cracking

Calcium and its significance:

- takes part in the biosynthesis of the cell wall
- collects and stabilizes microelements, e.g. pectin in the cell wall
- influences the growth of fruit
- makes the plant resistant to stress conditions.

Symptoms of calcium deficiency:

- yellowing of leaf lamina tips, curling of leaf lamina and necrosis
- shoots white to brownish
- putridity in the tip of the fruit
- decay of the plasma membrane
- incorrect growth
- necrosis of plant organs.

Effects of application of the ActiCal chelate:

- effective and quick prevention of calcium deficiency
- reduction of plant susceptibility to infections
- increased immunity to fungal diseases
- no physiological diseases
- no cracks and juice leakage from stone fruits
- uniform ripening
- enhanced fruit firmness
- limiting the use of pesticides
- increased yield, even in stress conditions
- improvement of fruit and vegetable storability and transportability
- the calcium is used by the plant 30 times more efficiently than in the case of standard products.

Effects of application of the ActiCal chelate on selected plants

- **APPLE TREE:** Fruit ripens on time. There is no internal disintegration.
- **PEAR TREE:** The flesh is not dwarfish. Healthy and vivid-color skin.
- **CHERRY, GEAN AND PLUM:** No cracked fruit.
- **STRAWBERRY:** No necrosis of young leaves. Correct fruit growth. No grey mould.
- **TOMATO, PEPPERS:** Fruit without dry rot. Fully developed flowers.
- **CUCUMBER:** Fully developed and healthy fruit. Correctly formed buds.
- **CEREALS, LETTUCE:** Full growth.
- **CABBAGE VEGETABLES:** Leaf edges do not russet.
- **POTATO, RAPESEED, SUNFLOWER, POPPY, SHAMROCK:** The inflorescence does not dangle and fade away.
- **CURRANT, BLUEBERRY, RASPBERRY:** Improves fruit firmness, durability and resistance.

Dosage:

Plant	ActiCal dosage (l/ha)	Water (l/ha)	Number of applications	Time of application
APPLE AND PEAR TREES	1.5-1.8	700-1000	4-6 every 10-14 days	End of flowering, formation and growth of buds, intensive fruit growth, 7-8 weeks before harvest
GEAN, CHERRY TREES	1.5-1.8	700-1000	3-4 every 10-14 days	End of flowering, development of fruit, ripening of fruit
PLUM TREES, VINE	1.5-1.8	700-1000	3-4 every 10-14 days	From the flowering phase to beginning of harvest
STRAWBERRIES	1.5-1.8	700-1000	3-4 every 10-14 days	Full flowering, growth and development of fruit, crop phase
CURRANTS	1.5-1.8	700-1000	2-3 every 10-14 days	Growth and development of fruit.
RASPBERRIES	1.5-1.8	700-1000	2-3 every 10-14 days	Full flowering, growth and development of fruit.
BLUEBERRY	1.5-1.8	700-1000	2-3 every 10-14 days	Growth and ripening of fruit.
TOMATO, PEPPERS CUCUMBER	1.5-1.8	300-500	3	After budding, full flowering, first fruit
CABBAGE VEGETABLES, LETTUCE	2	300-500	3	Once a week during head setting
ROOT VEGETABLES	1.0-2.0	300-500	3	2-3 weeks from plant sprouting, repeat the treatment after 10-14 days
AGRICULTURAL CROPS	1.5-2.0	300-400	3-4 every 10-14 days	From the flowering phase to beginning of harvest