



ActiCal®



Liquid calcium chelate fertilizer.
High bioavailability, reducing susceptibility of plants to infection.



Description and performance:

ActiCal is a unique liquid calcium formulation 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 easy to use by its liquid formula, completely soluble in water 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 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.

CURRENT, BLUEBERRY, RASPBERRY: Improves fruit firmness, durability and resistance.

Nutrients % [m/m]		
CaO	Zn EDTA	Mo
9.6	0.01	0.001

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.

Dosage:

Plant	ActiCal dosage (l/ha)	Water (l/ha)	Number of applications	Time of application
Apple and pear trees	1-2 l/ha	700-1000	4-6 every 10-14 days	End of flowering, formation and growth of buds, intensive fruit growth, 7-8 weeks before fruit harvest
Gean, cherry trees	1-2 l/ha	700-1000	3-4 every 10-14 days	End of flowering, development of fruit, ripening of fruit
Plum trees, vine	1-2 l/ha	700-1000	3-4 every 10-14 days	From the flowering phase to beginning of harvest
Strawberries	1-2 l/ha	700-1000	3-4 every 10-14 days	Full flowering, growth and development of fruit, crop phase
Currants	1-2 l/ha	700-1000	2-3 every 10-14 days	Growth and development of fruit
Raspberries	1-2 l/ha	700-1000	2-3 every 10-14 days	Full flowering, growth and development of fruit
Blueberry	1-2 l/ha	700-1000	2-3 every 10-14 days	Growth and ripening of fruit
Tomato, peppers, cucumber	1-2 l/ha	400-600	3	After budding, full flowering, first fruit
Cabbage, vegetables, lettuce	1-2 l/ha	400-600	3	Once a week during head setting
Root vegetables	1-2 l/ha	400-600	3	2-3 weeks from plant sprouting, repeat the treatment after 10-14 days
Agricultural crops	1.5-2.0 l/ha	300-400	3-4 every 10-14 days	from the flowering phase to beginning of harvest