

Calcioshell

Calcioshell promotes the cell division of the plant

ph: 6.4 | EC: 548 $\mu\text{S}/\text{cm}$ | Specific weight: 1.190 g/L | 100% water soluble | Appearance: Dark-Black
Fertilizer Group (c) Min. Dec. 257921/2004 | Marketing Authorization No. 223

What is Calcioshell?

Calcioshell is a pioneering circular bio-economy product derived from shellfish consumption by-products and coffee residues. It contains naturally occurring calcium, nitrogen and 15% organic matter. The production of Calcioshell reinforces Ikorganic's firm environmental friendly orientation by relying on the use of biomass from agricultural activity (coffee) and from the marine environment (shellfish) while complementing the producer's arsenal with a versatile nutritional product fully assimilable by plants.



Why choose Calcioshell?

- **Favors the growth of shoots and roots** while ensuring satisfactory flowering and fruiting by promoting cell divisions and proper cell wall formation.
- **It brings about changes in the microbiome of the rhizosphere**, favouring the growth of beneficial bacteria that act in competition with the growth of the bacterium that causes wilt in tomatoes and other species of the Solanaceae family by regulating soil pH.
- **Contributes the satisfactory development of young seedlings in the nursery** during the acclimatisation period and stimulates seed germination through its specific composition.
- **Adds tolerance of seedlings against fungal diseases** (e.g. Fusarium oxysporum) by stimulating the synthesis of polyphenols with an inhibitory effect on infection by the pathogen and by activating the defence mechanism of the plants.
- **Increases the availability of nutrients in the soil and consequently their uptake by plants**, resulting in the production of products of high nutritional value.
- **Improves the soil structure, water capacity and microbial activity** through the multiplication and growth of beneficial micro-organisms.

Calcioshell is a product perfectly harmonized with the requirements of the era for environmentally friendly agricultural practices since its production is governed by the sustainable use of biomass and the reduction of CO₂ emissions in the atmosphere.

Method of Application & Dosage

Calcioshell is suitable for applications through the irrigation system (Fertigation) and for foliar spraying.

Horticulture Root Irrigation: 10-20 lit/ Ha

Tree crops: Root irrigation: 20-30 lt/ Ha

Foliar application: 500 cc - 1 lit. in 100 litres of water

Composition

Repeated applications throughout the crop.

Composition	%w/w
Total Nitrogen (N)	6,6%
Calcium (CaO)	11%
Organic Matter	15%

pH: 6,4