

# ЕССИЕС NANO – organic product of a new generation

Author(s): Agro Bio Solution  
Date: 09.03.2025 Issue: 3/2025



Отличен с награда за иновации  
АГРА 2023



A combined organic product that increases yield and crop quality, makes plants resistant to stress, extends vegetation and reduces production costs.

It contains:

**Nanosilver;**

**Chitosan – ozone-modified molecules;**

**Enzyme complex;**

## **Amino acids;**

## **Systemic component.**

SCS Nano is a 100% organic and harmless product. It is designed to be effective and to support higher yields, better quality production, as well as to increase the yield and quality of cultivated plants. It contains natural ingredients that inhibit adverse processes in the soil and in the plants.

SCS Nano is a biostimulant that helps plants easily overcome stress from cold and drought and significantly extends vegetation, which leads to a more abundant harvest.

Biostimulant and elicitor – contains compounds that activate the biochemical defense of plants at the cellular level, directly influencing the production of phenolic compounds, which activate various protective enzymes in plants.

Seed treatment helps for faster and more uniform germination.

## **Method of application**

The product is developed according to a special formula, which allows its use both as a foliar spray and via soil application. It is formulated in a way that ensures systemic penetration into the plants.

### *Rate of application:*

Foliar application – 15-20 ml/litre of water.

Soil application – 500-1000 ml/1000 m<sup>2</sup>

Seed treatment – 250 ml/100 kg of seed

## **Suitable crops**

Wheat, barley, rye, oats, maize, oilseed rape, sunflower, peanuts, soya, potatoes, sweet potatoes, spring onion, garlic, leek, aubergine, peppers, tomatoes, watermelons, cucumbers, etc. Permanent crops – vineyards, apples, pears, apricots, peaches, plums, cherries, pomegranates, walnuts and others.

## **General information on the product content**

**Silver** is widely used in the agricultural sector because of its natural antimicrobial properties. When included in CE fertilisers, it supports plant health by creating unfavourable conditions for the development of pathogenic micro-organisms. Silver can also improve plant resistance to stress factors such as diseases or adverse environmental conditions.

**Chitosan** is a natural biopolymer extracted from chitin, which is found in the shells of crustaceans and insects. It is well known for its properties in stimulating plant growth and their resistance to diseases. Chitosan activates the natural defence mechanisms of plants by stimulating the synthesis of phytohormones and increasing their resistance to fungal and bacterial infections. In addition, it supports the uptake of nutrients and improves the overall development of plants.

**Ozone** is a powerful oxidising agent that is used in agriculture for disinfection of soil, water and plant surfaces. When used in the context of CE fertilisers, ozone helps eliminate harmful micro-organisms and toxins, creating a healthy environment for plant development. It also improves aeration and oxidation in the root zone, which can stimulate growth.

**Enzymes** are biological catalysts that play a key role in the breakdown of organic substances and the uptake of nutrients by plants. The inclusion of enzymes in CE fertilisers supports the decomposition of complex organic compounds in the soil, converting them into readily available nutrients for plants. Furthermore, enzymes improve microbiological activity in the soil, maintaining a balanced ecosystem and increasing fertility.

---

The biostimulant SCS Nano is a Bulgarian product manufactured by GLOBAL AGRO SOLUTION, a company providing innovative alternatives to conventional and organic farming practices. GLOBAL AGRO SOLUTION is driven by a passion for sustainable solutions that benefit both farmers and the planet. The microbial and organic products manufactured in Bulgaria participate in the eco-schemes of the Ministry of Agriculture and Food and are applied to all agricultural crops.

GLOBAL AGRO SOLUTION Ltd. received for their organic and nanotechnology product SCS Nano a plaque and a diploma in the section „Fertilisers and products for agriculture“ of the „Innovation Competition“ Agra 2023.

---

The product is offered at the outlets of Agro Bio Solution Ltd. (Sofia, Ovcha Kupel residential area, 37 Lyubliana St.; Kostenets, 8 Borovets St.; Mirkovo village, 25 Al. Stamboliyski St.) as well as in agro-pharmacies across the country.

Agro Bio Solution, tel: +359 877 704 460, [www.agrobiosolution.com](http://www.agrobiosolution.com)