

NEOVA



NEOCORE™

Bioactive peat extract from the Nordics



Better plant metabolism



Enhance root development



Boost microbial activity



Soil health

NEOCORE – IMPROVING ROOT DEVELOPMENT, SOIL HEALTH AND BOOSTING MICROBIAL ACTIVITY

NeoCore™ – Bioactive peat extract

NeoCore™ is produced from pure and carefully selected organic peat. It naturally contains a combination of bioactive compounds which improve root development, plant growth, microbial activity and soil health with proven efficacy in more than 60 experimental trials performed by external research institutes.



Neova – Creating green growth

Neova is a Finnish company with global presence, focusing on satisfying people's essential needs for clean food, air and water. For over 80 years peat has been the core of Neova's history, investigating peat qualities and utilizing peat in high-quality professional substrates and growing media products. It is a natural step for us to bring the benefit of our valuable raw material to

a wider audience as biostimulants.

In addition, we investigate and develop other raw materials, botanical extracts and microbials, found in the harsh Nordic environment. Neova follows the world's strictest environmental regulations related to peatlands and raw material production, **bringing the best of Finnish nature to your fields.**

Growledge operating model

Our Growledge operating model combines a customer-centric approach with scientific research, forming a solid foundation for the development of every new product.



Proprietary
raw materials



Research &
efficacy



Proven
field trials

NeoCore™ – key benefits for the crops



Better plant metabolism

The active compounds in NeoCore™ enhance plant metabolism improving enzymatic and hormonal activity.



Root development

NeoCore™ increases root length and biomass, improving the plant's ability to absorb nutrients and water from the soil.



Microbial activity

NeoCore™ shows a prebiotic effect, promoting the establishment and growth of beneficial soil microorganisms.



Boosting soil health

NeoCore™ enhances soil structure and water retention by increasing organic carbon accumulation.

PROVEN EFFICACY IN INDEPENDENT TRIALS

Hormone-like activity

NeoCore™ shows higher auxin-, cytokinin- and gibberellin-like activity than leonardite humate and comparable activity to a seaweed extract, reflecting bioactive compounds naturally present in peat.

Trial performed by Intra Radice (Spain, 2023).

NeoCore™ hormone-like activity test results

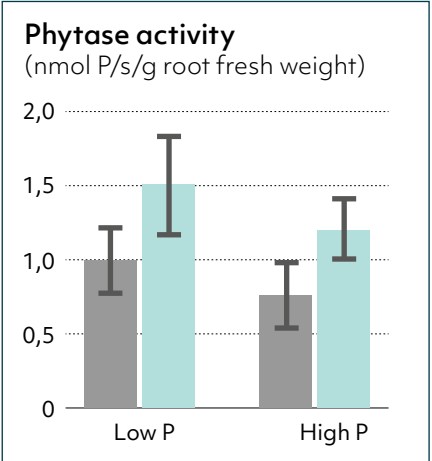
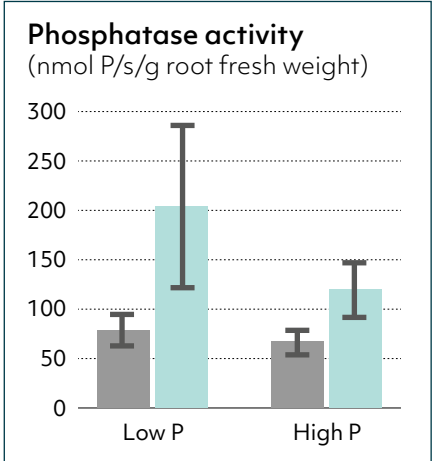
Hormone-like activity	Plant part affected	NeoCore™	Seaweed extract	Leonardite humate
Auxin activity ¹	Root	+35%*	+37%*	+29%*
Cytokinin activity ²	First leaf	+82%*	+97%*	+37%*
Gibberellin activity ³	Root	+69%*	+60%*	-6,6%*

* The percentage increases are compared to the control.

¹ Coleoptile elongation

² Radish cotyledon expansion

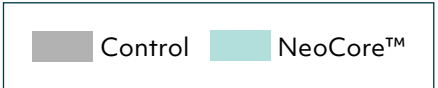
³ Root elongation



Enzymatic activity

NeoCore™ shows higher values of phosphatase and phytase (P-recycling enzymes) activity in roots: enzymatic activity increased under high and low P concentrations.

Trial performed by Padova University (Italy, 2021).



Root development

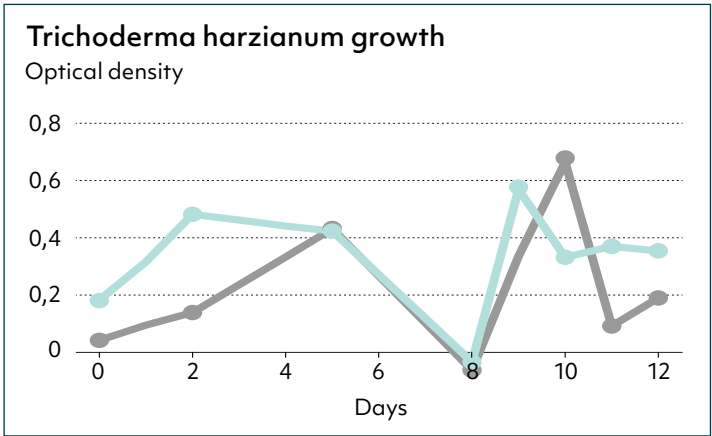
NeoCore™ stimulates root development and crop establishment and supports proper root functioning during the crop cycle. In strawberry field trials with 3 L/ha and 4 L/ha applications NeoCore™ increased the root biomass by 17% and 45% at low and high doses, respectively.

NeoCore™ increases nutrient uptake. In lettuce field trials with 3 L/ha per application NeoCore™ increased the nutrient content in the leaves.

Nutrient analysis performed by Sicop (Spain, 2024).

Foliar analysis (mg/100g FW)

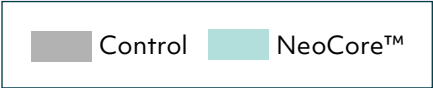
	Control	NeoCore™	Difference
Total nitrogen	185.00	206.00	11.35%
Total phosphorus	24.00	28.00	16.67%
Potassium	164.00	160.00	-2.44%
Iron	0.37	0.48	29.73%
Magnesium	15.00	17.00	13.33%
Manganese	0.17	0.21	23.53%
Zinc	0.10	0.10	0.00%
Calcium	40.90	46.40	13.45%
Bound calcium	22.00	24.00	9.09%
Total boron	0.11	0.12	9.09%



Prebiotic effect

NeoCore™ shows a statistically significant early rise (days 1–3) in *Trichoderma harzianum* growth vs. control at 1%; biomass remains higher at days 10–12, supporting a sustained prebiotic effect. Additional assays indicated positive effects on *Bacillus subtilis* and *mycorrhizae*.

Trials performed by Tecnova (Spain, 2025).



NEOCORE™

THE BEST OF FINNISH NATURE TO YOUR FIELDS

- Average yield increase of 10% in 60 trials conducted under different conditions, crops and environments.
- Root biomass increased on average by 20%.
- Boost to the microbial activity.
- Suitable for organic farming.

Dosage:

Crop	Application rate	Application frequency
Leafy crops	1–4 L/ha	Every 2–4 weeks
Vegetables	2–4 L/ha	
Soft fruits	2–4 L/ha	
Grapes	5–6 L/ha	
Fruit trees	5–8 L/ha	
Potted plants	0,5L/100 L of water	

Application:

NeoCore™ is applied via irrigation. Dilute with at least 100 L of water for each 1 L of product.

Perform a jar test before mixing with other products to ensure compatibility. Carefully follow the instructions for use.

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