

NEOVA



NEOGT

Powerful solution from Finland
to improve golf and turf soil health



Increase soil organic carbon



Boost microbial activity



Enhance root development

NEOGT – IMPROVING SOIL HEALTH WITH A POWERFUL SOLUTION FROM FINLAND

NeoGT – Natural choice from Finland for turf and green areas

NeoGT is the result of advanced research and is designed to enhance vitality on golf courses and turf areas. It is made from pure, carefully selected Finnish peat raw materials. NeoGT naturally contains humic and fulvic acids, which support soil and turf health.

NeoGT also contains naturally occurring bioactive compounds that act like plant hormones. It has strong plant hormone activity (auxins, cytokinins, and gibberellins), which is most evident in enhanced root development. Additionally, NeoGT increases beneficial soil



microbial activity and organic carbon levels, strengthening soil fertility.

Neova – Creating green growth

We are a Finnish company with a global presence. Our mission is to secure the fundamental necessities of life—safe and clean food, water, air, and soil—for future generations, while actively contributing to mitigating climate change.

Harnessing carefully selected organic raw materials and the

bioactive power of the Finnish nature, we develop sustainable biostimulants that improve plant growth and soil health. Our production methods meet the highest international environmental standards, reflecting our commitment to sustainability and responsible innovation.

NeoGT – Three key benefits for soil and turf health

Boosting organic carbon – a foundation for soil health



NeoGT enhances soil structure and water retention by increasing organic carbon

accumulation. This supports carbon sequestration and long-term soil health. A higher level of organic carbon strengthens soil structure, promotes root growth, and improves aeration. As a result, irrigation needs are reduced since the soil retains moisture more effectively. Nutrient availability also improves, supporting balanced turf growth, especially on greens and fairways.

Microbial activity – Strengthening the soil ecosystem



NeoGT stimulates the growth and activity of beneficial microbes, such as mycorrhizal fungi.

These microbes enhance soil biological balance, improving soil health and supporting plant growth. They break down organic matter, releasing nutrients like phosphorus for turf use. Additionally, microbes help decompose harmful substances, protecting plants and maintaining a healthy ecosystem.

Root development – Stronger and more resilient growth



NeoGT increases root length and biomass, improving the plants' ability to absorb

nutrients and water from the soil. This makes turf more resistant to drought and heavy wear. A strong root system also supports faster turf recovery.

Growledge operating model

Our Growledge operating model combines a customer-oriented approach with scientific research. This approach serves as a solid foundation for the development of every new product.



Own raw material resources



Scientific efficacy research



Proven field trials

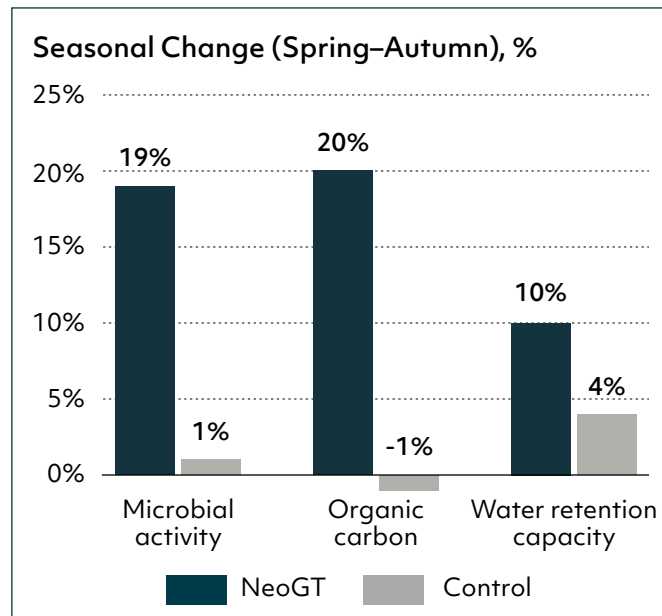
NEOGT – SCIENTIFICALLY PROVEN BENEFITS

Effects in golf course trials in Finland



The image pair shows how NeoGT helps to grow a stronger root system

In 2024, an extensive study on NeoGT's effects on Finnish golf courses was conducted in collaboration with Golf Course Consulting Jannenestori Oy. The product was applied at 3 L/ha every three weeks. Soil samples were collected in spring and autumn from both treated and untreated areas (control), and the

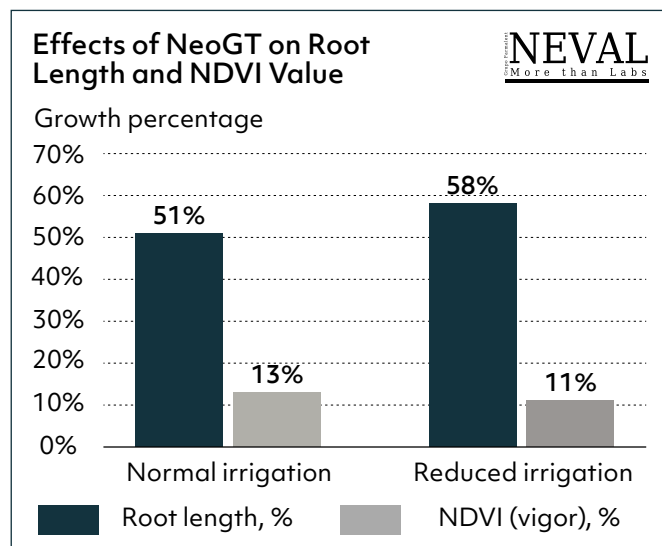


results were compared. Soil analyses showed that NeoGT increased microbial activity by an average of 19%, increased organic matter by an average of 20% and improved soil water retention by 10%. Additionally, significant improvements in nutrient availability and levels were observed.

Performance in dry and challenging conditions



In a scientific trial conducted in Valencia, Spain (Neval Research Institute) in 2024, NeoGT's impact on turf drought tolerance was studied. The product was applied at 4 L/ha every two weeks for a total of eight applications, and the results were compared to untreated control plots. NeoGT increased root length by 51% under normal irrigation and by 58% under reduced irrigation (30% less water). NeoGT improved turf vigor (NDVI value) by 13% under normal irriga-



tion and by 11% under reduced irrigation. NDVI is a measure of turf greenness, health, and stress tolerance—higher values indicate healthier and more resilient golf course turf. The results demonstrate that NeoGT positively impacts root growth, turf resilience, and soil water retention. The differences between NeoGT treatment and the control were statistically significant ($p < 0.05$).



HEALTHIER SOIL, MORE RESILIENT TURF

- NeoGT is designed to enhance vitality on golf courses and green areas.
- It promotes root development, increases the activity of beneficial soil microbes, and boosts the amount of organic carbon, improving soil fertility.
- NeoGT is a reliable product from Finland that helps maintain high-quality green areas efficiently and sustainably.
- Recommended usage: From the beginning of the growing season until Autumn damps.

Dosage:

Area	Application rate	Application frequency
Greens, fairways, and green areas	3–4 L/ha	Every 2–4 weeks

Application:

Mix 3–4 liters of NeoGT with 600–900 liters of water. Perform a jar test before mixing with other products to ensure compatibility. Carefully follow the instructions for use.

NeoGT is compatible with irrigation systems.

Contact us:

KATJA HÄMÄLÄINEN
PRODUCT PORTFOLIO MANAGER
+358 40 1826 292
katja.hamalainen@neova-group.com
www.neova-group.com/agro