

NEOVA



NEOTERRA AQUAFIX™

Organic Soil Conditioner from the Nordics



Increases water retention



Boosts microbial activity



Improves soil structure



Enhances
soil health

NEOTERRA AQUAFIX™

Improving soil water retention and availability, soil organic carbon and soil health

NeoTerra Aquafix™ – Organic soil conditioner

NeoTerra Aquafix™ is an organic soil conditioner produced from pure and carefully selected organic peat. It has superior water holding capacity (WHC) properties and high capacity to increase soil organic carbon content. Due to its composition NeoTerra Aquafix™ also has a powerful prebiotic effect boosting microbial establishment and activity.



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. Since 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 organic soil conditioner products.

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 regulation related to peatlands and raw material production, to bring the best of Finnish nature to your fields.

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

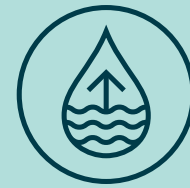


Scientific
efficacy
research



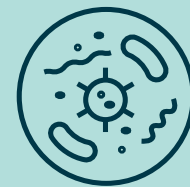
Proven
field
trials

NeoTerra Aquafix™ Key benefits for the crops



Increases water retention

NeoTerra Aquafix™ improves water retention and availability.



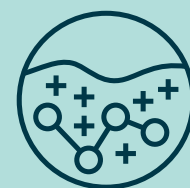
Boosts microbial activity

NeoTerra Aquafix™ has a powerful prebiotic effect, boosting microbial activity.



Improves soil structure

NeoTerra Aquafix™ supplies high content of organic matter, improving soil structure.



Enhances soil health

NeoTerra Aquafix™ enhances soil health thanks to the accumulation of organic carbon.

PROVEN EFFICACY IN EXPERIMENTAL TRIALS

Test results with NeoTerra Aquafix™: water retention

Water holding capacity

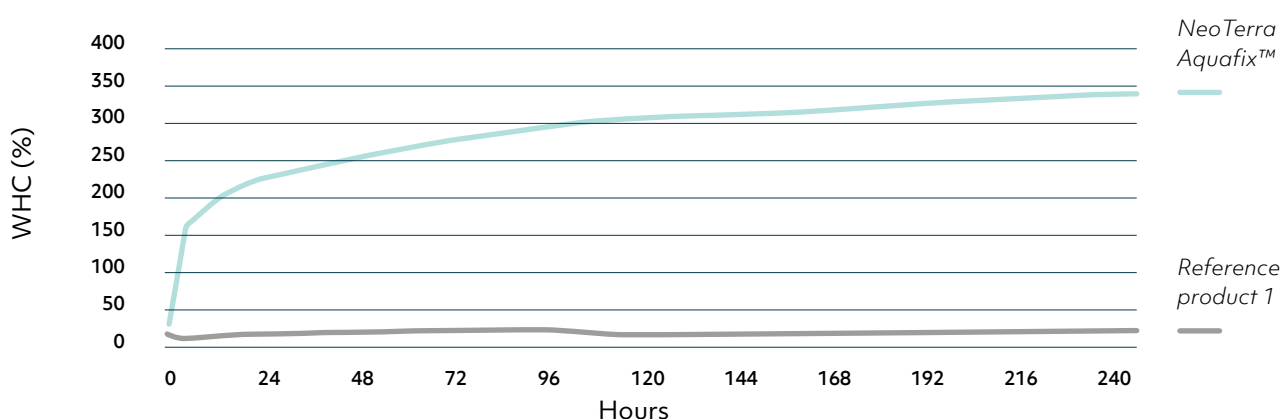
Test results have shown that NeoTerra Aquafix™ has significantly higher water holding capacities than reference products on the market.

Water holding capacities of soil improver materials, expressed as % of own mass after soaking for 240 h:

- NeoTerra Aquafix™: 344%
- Reference products: 24%



NeoTerra Aquafix™ pellets in the beginning of the water holding capacity (WHC) test. Photographs taken each hour during first 0–6 hours.



FEEDBACK FROM CUSTOMERS

Field application in Spain, Spring 2025

NeoTerra Aquafix™ soil conditioner pellets were applied to a new peach plantation in Jumilla, Spain. The pellets were applied on the crop row at a depth of 30 cm, and with a dosage of 1 ton/ha (Figures 1–3).

After one week, the pellets were already softened and fully integrated into the soil, collecting and retaining humidity in the rooting development area. After 6 weeks, the roots were visible 30 cm away from

the plant, growing towards the pellet application (Figure 3).

Figure 4 shows the root development in a peach plantation (4 years old), where NeoTerra Aquafix™ pellets were applied in a dosage of 0.5 ton/ha. After 6 weeks, new roots were visible in the area where pellets had been applied (below in Figure 4), compared with the control (above in Figure 4).

Figure 1



Figure 2



Figure 3



Figure 4



NEOTERRA AQUAFIX™

THE BEST OF FINNISH NATURE TO YOUR FIELDS

- NeoTerra Aquafix™ is an organic soil improver which enhances the water holding capacity and the organic carbon content in soils.
- CE-marked PFC3(A) Organic soil improver.
- Ingredients: 100% RPP-certified peat, with virgin material substances and mixtures.
- Suitable for organic farming in horticulture.
- Pathogen-free and odorless.

Dry matter (DM)	87–90 m-%
Organic matter, average	98% DM
Organic carbon (C _{org}), average	56% of organic matter 55% of dry matter 46–48 m-%
Organic nitrogen (N _{org})	1% DM
C _{org} / N _{tot} ratio	50
Humic substances	10–20% DM
pH	3.7
Electrical conductivity	10–20 mS/m
Water holding capacity WHC (after 24 h)	225% of own mass
after 240 h	344% of own mass
Bulk density	705 kg/m ³
Product form	Solid, odorless pellets with 6 mm diameter
Dosing	Localized application: 0,5–1 tn/ha General in the soil: 1–1,5 tn/ha Exact dosages are subject to local conditions and the type of crop.
Available in	25 kg, 500–1,000 kg

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