

Climate Smart Peat



It is about time we look at peat as a biofuel - for the environments sake!

New research into peat and peat lands shows that drained peat lands are leaking huge amounts of carbon dioxide into the atmosphere. Of no use. The leakage is so large that it exceeds the total carbon dioxide emissions from all domestic traffic in Sweden. It is a problem and we have the solution. By harvesting the renewable resource - peat from drained peat lands - we see to that it can come to good used.

Peat grow

Peat is formed by soil becoming saturated with water or by lakes overgrowing. Parts from plants that are on the ground and parts from plants added to the ground will degrade under moist conditions with a low oxygen content, or in some cases, under conditions which are totally deprived of oxygen. The plant parts form a layer of peat that spreads and covers the underlying mineral soil. When the peat depth exceeds 30 cm, the term "peat land" is used to describe the land surface.



Material with a great variety of uses

Peat is used as fuel in district heating plants, it is a component in garden soil mixtures, it can be made into active carbon, it is used in water filters and it can be refined into biofuel for cars, trucks and busses. When peat is used in district heating plants it eliminates the need for adding sulfur to keep the boiler clean (since it is naturally occurring in peat). Peat also raises the efficiency in district heating plants when combined with wood fuel.



Creating healthy and sustainable land areas

When harvesting of peat has come to an end the land area is given back to nature after it has been restored. All of our harvested peat lands goes through a post treatment process in which it is turned into healthy forests, wetlands or a combination of both. With our post treatment the land can once again start to bind carbon from the atmosphere and the leak cease.

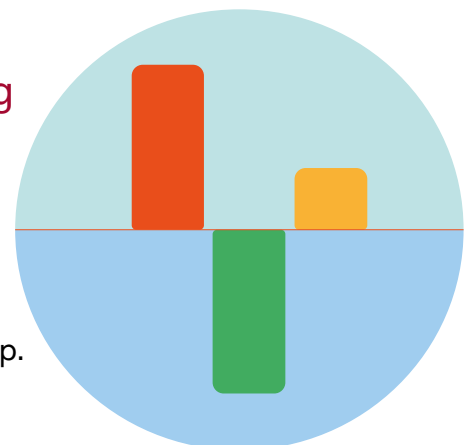


Renewable peat

Are you also under the impression that peat is renewable? Good. Peatlands in Sweden grow at a rate much greater than the overall harvest and usage. That is how we want to keep it – it is a sensible and sustainable part of a responsible peat industry.

Count with peat in your year-end climate closing

The short story is that when we harvest peat we also eliminate a leak of harmful greenhouse gases and prepare land area for post treatment. In your year-end climate closing report, you have the option to subtract the prevention of greenhouse gas emissions from leaking peatlands in relation to your use. If you are unsure about the numbers, contact us and we will help.



About Neova

Neova produces peat from its own peat bogs and is Sweden's largest peat producer. We produce peat for energy production, cultivation, biofuels and industrial use. A great deal of our peat is used for heat production in district heating plants and as growing agent for cultivation. Peat from our peat bogs is also used to produce active carbon. All of our peat products can be tailor made to your intended use.

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