

**Aperam BioEnergia Biochar - Brazil**

**Price 140 € / CORC**



**ITEM**

Item URL: <https://puro.earth/100213>

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**DEALER**

**Aperam Bioenergia Ltda**

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Location: Brazil

**DESCRIPTION**

Aperam BioEnergia is a Brazilian player of the forest and renewable energy sector, that runs a ~420.000 kton/year charcoal operation with emissions control in the northeast region of Minas Gerais - Brazil, and holds ~126.000 ha of planted (FSC Certified) and native forest with important biodiversity and economical impact on local communities.

Previously, part of the charcoal production that wasn't being used in Aperam's industrial process was sold to the market for energy applications, mostly to cement production industries. Now, with the Biochar project, the material is brought back to Aperam BioEnergia forests and applied to the soil, where it not only serves as a durable carbon removal from the atmosphere but also acts as an important natural component for soil characteristics reconditioning and improvement. This change of baseline is only possible due to the carbon removal revenue.

Aperam BioEnergia business plan for the future brings Biochar as an important solution to be scaled, not only to promote carbon sequestration but also forest productivity improvement due to better soil properties, production process efficiency increase and local social and economic development. The energy that was previously generated by burning the char material is not at risk of being substituted by fossil fuel sources because of the ample availability of cheaper renewable energy sources in Brazil.

**CARBON REMOVAL INFORMATION**

<b>Carbon removal method :</b>	Biochar
<b>Capture of CO2:</b>	Photosynthesis
<b>Stabilization of CO2:</b>	Pyrolysis
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<b>Permanence:</b>	Over 100 years
<b>Status of production:</b>	Audited

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<b>Unit of product volume:</b>	tonne
<b>Year of first issuance:</b>	2022
<b>Examples of usage:</b>	Soil amendment in forests crops.
<b>Co-benefits:</b>	

Soil amendment that improves important soil properties such as organic material, fertility, forest productivity increase, soil cohesion, among others.

The addition of biochar helps to increase the retention of water in the soil for a longer period, reducing fast water evaporation from the soil and allowing this way a controlled replenishing of surrounding water courses.

Social development programs supported by Aperam BioEnergia, receive biochar to be used as soil amendment, an initiative that is bringing productivity increase in crops of local farmers, with a strong impact in social development.

<b>Posted on :</b>	04/01/2023
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**AUDIT INFORMATION**

<b>Audit statement :</b>	<a href="https://static.puro.earth/live/uploads/tinymce/Audit_2022_AperamBioenergia.pdf">https://static.puro.earth/live/uploads/tinymce/Audit_2022_AperamBioenergia.pdf</a>
<b>Independently verified by:</b>	EnergyLink Services