

Wakefield Biochar

Price 0 € / CORC



**Wakefield
BioChar**

ITEM

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DEALER

Wakefield Biochar

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DESCRIPTION

Wakefield Biochar is a minority-owned company focused on making our planet healthier through their "Better Soil. Better World." philosophy. The company is based in Valdosta, Georgia, a city that thrived from the forestry industry, specifically pine products, for over 100 years.

Wakefield BioChar currently employs 23 individuals across its operations which focus on the management of pulp and paper mill waste. It is obvious to Wakefield that such wastes should be viewed as resources, a vision they have transformed into a sustainable business.

Wakefield Biochar has created a series of branded biochar products and compost blends for retail Walmart, Lowes, Amazon, and Sam's Club. In addition, they supply local farmers with biochar, spreading it on pasturelands to improve grass yields, as well as using biochar blends for land remediation projects. The feedstock is pine bark from FSC-certified forests.

Carbon credits are key to expanding Wakefield BioChar's business and their ability to sequester carbon. Wakefield Biochar is currently undergoing a rigorous audit process and CORCs are expected to be issued during q3.

CARBON REMOVAL INFORMATION

Carbon removal method :

Biochar

Capture of CO2:

Photosynthesis

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Stabilization of CO2:	Pyrolysis
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Permanence:	Over 100 years
Status of production:	Audit scheduled
Unit of product volume:	tonne
Embodied carbon in product:	0.93-1.8 tonnes CO2/tonne
Year of first issuance:	2022
Minimum amount to negotiate:	500
Examples of usage:	

Agriculture - biochar is spread on pasturelands to improve water retention and nutrient uptake

Retail - Biochar, and Biochar-compost is sold as a horticultural product

Land remediation - biochar mixed with lime is used for land remediation projects.

Co-benefits:

Puro.earth CORCs only quantify the net-removal and storage of emissions, not reduced or avoided emissions, increased biodiversity or other positive benefits. Here are co-benefits from the Wakefield biochar project:

Conversion of waste materials that are combusted or landfilled.

Improve crops and dairy yields.

Increased drought resilience in an area that has a history of drought.

Adsorbtion of pollutants in land remediation projects.

Biochar reduces the need for fossil fuel-based fertilizers.

Creation of green jobs in a region designated by the IRS as a low-income/disadvantage area.

Explanation of avoided emissions:

Wakefield biochar creates avoided emissions by reducing the need for fossil-fuel based fertilizers, diverting biochar from re-combustion and diverting waste biomass from landfill.

Economic acceleration impact:

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The potential income from Puro.earth allows Wakefield Biochar:

To continue to fund the transport and operations required to process and move the biochar from its production site to spreading the biochar on pasturelands for farmers who cannot afford biochar currently.

To provide the revenue that is necessary to make further paper and pulp mill projects financially viable, as opposed to without carbon credits. This should allow Wakefield to grow strongly and provide new, green jobs.

To provide the incentive necessary to support the development of new avenues for the re-use of pulp and paper waste material.

To enable Wakefield, in cooperation with the mill owners, to establish pyrolysis units to provide more efficient energy for the mills and biochar tailored for customers in the agricultural, filtration, and remediation industries, replacing aging boiler technologies that are co-fired with fossil fuels.

Provide working capital to finance the expansion into retail channels. Biochar, and biochar composts, are currently expensive in the retail market. With their unrivaled access to retail distribution channels, Wakefield's products can really increase the visibility of biochar to the public and raise awareness. Carbon credit revenues will enable Wakefield to sell biochar at a competitive price.

AUDIT INFORMATION**Audit statement :**

https://static.puro.earth/live/uploads/tinymce/Suppliers/Wakefield/20221107_Wakefield_Biochar_002_Brunswick_Audit_Statement_vF.0.pdf

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