

Project Snapshot

Carbon Cycle, 001, Rieden, DE

SUMMARY

Carbon Cycle, an innovative agricultural company located in southeastern Germany, has emerged as a leader in the sustainable production of biochar, leveraging untreated wood chips from certified forests. This initiative is rooted in a commitment to enhancing soil fertility, reducing reliance on chemical fertilizers, and actively contributing to carbon sequestration efforts, thereby addressing critical environmental and climate challenges. The company's biochar is distinguished by its sustainable certification and is widely adopted across the European Union for its dual application in soil improvement and as a nutrient-rich animal feed. By prioritizing eco-friendly practices and the circular economy, Carbon Cycle showcases a model of agricultural efficiency that harmonizes environmental benefits with agricultural productivity, reflecting a significant advancement in sustainable farming practices.

The Carbon Cycle Project Reduces Emissions Through:

- **Carbon Sequestration:** Producing biochar from untreated wood chips sequesters 2.86 tonnes of CO₂ per tonne of biochar produced, locking away harmful carbon dioxide for centuries.
- **Reduced Fertilizer Use:** Biochar improves soil fertility, reducing the need for energy-intensive artificial fertilizers, further cutting down emissions.
- **Waste Biomass Utilization:** Captures waste forest biomass of low economic value, converting it into biochar through pyrolysis, preventing CO₂ release that would occur from decomposition or combustion.
- **Methane Emission Reduction:** Using biochar as animal feed additive improves animal health and reduces methane emissions from livestock.

Main Buyers:

- Shopify Inc.
- Skandinaviska Enskilda Banken Ab (publ)
- Microsoft Corporation
- Cartier International SA

Overview

Project ID	GSRN 643002406801000084
Country	Germany
Status	Puro Registered & Certified
Methodology	Biochar

Carbon Cycle, 001, Rieden, DE

Proponent	Carbon Cycle GmbH & Co KG
Permanence	Over 1,000 Years

Price per Credit	220 EUR
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Credits in Puro Stock	140
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Year of First Issuance	2020
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Targeting Annual Emission Removal	3,000 mtCO ₂ e
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2023 Emission Removal	2,947 mtCO ₂ e
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CONSOLIDATED PROJECT RATING RANGE

