

# The Global Market for Biochar 2023-2033

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## Abstracts

Biochar is a charcoal-like substance that is made from biomass feedstocks, such as forestry residues & agriculture. In recent years, biochar has attracted considerable attention due to its unique characteristics and wide applications in agricultural, environmental technologies and construction. Key growth factors include increasing adoption in agriculture and waste management, technological improvements in production, and greater sustainability awareness. Biochar also plays a role in carbon sequestration, reduction of greenhouse gas emissions, soil amendment, bioenergy production and waste mitigation.

Feedstocks for generating biochar include all types of organic matter, and it is being increasingly used for the enhancement of soil fertility and quality, removal of various environmental contaminants, and carbon sequestration. When applied to land, biochar is not only a carbon sink, but can act as a soil improver by increasing the water and nutrient holding capacity of the soil. Carbon removal is driving new interest in biochar, with customers including Microsoft, Shopify, and Stripe. The biochar industry has an estimated carbon sequestration potential of up to two gigatons (Gt) of carbon annually.

The agriculture sector accounts for the majority of current biochar demand. Demand from waste management, livestock farming, horticulture, and landscaping is also significant. Demand from emerging applications like building materials, energy production, and water filtration is expected to drive increased consumption.

The Global Market for Biochar 2023-2033 is an essential resource for anyone involved in the emerging biochar industry. The report provides extensive proprietary data on producers, capacities, capacity utilization, production, trade, demand, applications, and pricing.

Report contents include:

Analysis of biochar production processes, production capacities, pricing, regulations & policy.

SWOT analysis, market drivers and trends, market challenges.

Analysis of biochar end markets including Agriculture & livestock farming, Construction materials, Wastewater treatment, Remediation, Carbon Dioxide Removal, Cosmetics, Textiles, Additive manufacturing, Inks, Polymers, Packaging, Biogas, Steel and metal, Energy including fuel cells, supercapacitors, batteries, gas storage, biocoal & photovoltaics.

Global market demand for biochar, by market and regions, historical and forecast to 2033.

Profiles of 110 companies. Company profiles include feedstocks, production processes, products and production capacities. Companies profiled include Airex Energy, Black Bull Biochar, British Columbia (BC) Biocarbon. Ltd, Carbo Culture, Carbofex Oy, Carbo-FORCE GmbH, carbonauten, Circular Carbon GmbH, ECOERA, Glanris, NetZero, Nordgau Carbon, Novo Carbo, PYREG GmbH, Pyrocal, Rainbow Bee Eater Pty Ltd., SWVA BioChar, and WasteX Pte. Ltd.

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