

Global Biochar for Soil Amendment Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Biochar for Soil Amendment market size was valued at US\$ 535 million in 2025 and is forecast to a readjusted size of US\$ 2295 million by 2032 with a CAGR of 23.0% during review period.

In 2025, global sales volume of Biochar for Soil Amendment is estimated at approximately 800,000 tons, with an average market price of about USD 650 per ton. The gross margin of major producers is generally in the range of 25%-40%. This scope mainly covers biochar materials used for soil amendment, agricultural planting, horticultural landscaping and soil remediation, excluding biochar-based fertilizers, compound soil amendments, biochar-based organic fertilizers, and biochar carbon removal credits traded on a carbon dioxide equivalent basis.

Biochar for Soil Amendment refers to a porous carbonaceous material produced from biomass feedstocks such as wood, crop residues, livestock manure and sludge through pyrolysis under oxygen-free or oxygen-limited conditions, and used in farmland, orchards, horticultural landscaping and soil remediation. The product is typically supplied in powder or granular form. With its well-developed pore structure, relatively high carbon stability, strong adsorption capacity and certain water and nutrient retention ability, it can improve soil structure, increase soil organic carbon levels, alleviate soil acidification or compaction, and immobilize heavy metals and other pollutants in certain contaminated soils.

The upstream of Biochar for Soil Amendment mainly includes biomass feedstocks such as wood chips, straw, rice husk, livestock manure and sludge, as well as pyrolysis and

carbonization equipment, crushing and screening equipment, and packaging materials. The midstream consists of biochar producers that form biochar products with different particle sizes, pH levels and pyrolysis temperature grades through drying, pyrolysis, cooling, crushing, screening and quality control processes. The downstream is mainly used in agricultural planting, horticultural landscaping, soil remediation and other soil amendment scenarios.

This report is a detailed and comprehensive analysis for global Biochar for Soil Amendment market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Biochar for Soil Amendment market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Biochar for Soil Amendment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Biochar for Soil Amendment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Biochar for Soil Amendment market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Biochar for Soil Amendment

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Biochar for Soil Amendment market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Wakefield BioChar, Pacific Biochar, Standard Biocarbon, BC Biocarbon, Carbonity, NetZero, Novocarbo, Carbofex, Sonnenerde, HUSK, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Biochar for Soil Amendment market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Wood-Derived Biochar

Crop Residue Biochar

Livestock Manure-Based Biochar

Sludge-Derived Biochar

Market segment by Pyrolysis Temperature

Low-Temperature Pyrolysis Type

Medium-Temperature Pyrolysis Type

High-Temperature Pyrolysis Type

Market segment by Form

Powder

Granule

Market segment by Application

Agricultural Planting

Horticultural Landscaping

Soil Remediation

Other

Major players covered

Wakefield BioChar

Pacific Biochar

Standard Biocarbon

BC Biocarbon

Carbonity

NetZero

Novocarbo

Carbofex

Sonnenerde

HUSK

FarmChar

Cyclic Carbon

TerraChar

Wonderchar

Metzler Biochar

Pacific Coast Carbon

Ibero Massa Florestal

BIOSORRA

Biochar Future Eco-environmental Technology

Nanjing Nianda Furnace Technology

XIANGYAO GREEN ENERGY

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Biochar for Soil Amendment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Biochar for Soil Amendment, with price, sales quantity, revenue, and global market share of Biochar for Soil Amendment from 2021 to 2026.

Chapter 3, the Biochar for Soil Amendment competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Biochar for Soil Amendment breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Biochar for Soil Amendment market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Biochar for Soil Amendment.

Chapter 14 and 15, to describe Biochar for Soil Amendment sales channel, distributors, customers, research findings and conclusion.

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