

Granular Biochar Market to Grow at CAGR 11.8% During Forecast Period | Explore the Unstoppable Rise and Industry Trend

Increasing agricultural activities and rising demand for different types of agricultural products resulted in the growth of the Granular Biochar Market.

NEW YORK, UNITED STATES, February 3, 2023 /EINPresswire.com/ -- The Insight Partners published latest research study on "[Granular Biochar Market](#) to 2028 – COVID-19 Impact and Global Analysis – by Product Type (Wood Source Biochar, Corn and Wheat Source Biochar, and Others), Application (Soil Conditioner, Fertilizer, and Others), and Geography," the granular biochar market is expected to grow from US\$ 68.79 Million in 2022 to US\$ 134.54 Million by 2028; it is estimated to grow at a CAGR of 11.8% from 2022 to 2028. Growing use of biochar for livestock feed and

increasing government policies for environmental protection are propelling the demand for granular biochar globally. Growing use of biochar for livestock feed and increasing government policies for environmental protection are propelling the demand for granular biochar globally.

Download PDF Brochure of Granular Biochar Market Size - COVID-19 Impact and Global Analysis with Strategic Developments at: <https://www.theinsightpartners.com/sample/TIPRE00029573/>

Granular Biochar Market: Competition Landscape and Key Developments

CharGrow USA LLC, Green Man Char, Oregon Biochar Solutions, Pyreg GmbH, Carbonis GmbH & Co. Kg., Airex Energie Inc., BioChar6, American Biochar Company, Arsta Eco Pvt. Ltd., and Advanced Renewable Technology International are among the key players operating in the



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granular biochar market. Leading market players adopt various business strategies, such as mergers and acquisitions, to expand their worldwide geographical presence and consumer base. For instance, in 2021, Airex Energy and SUEZ Group teamed up to improve the capacity of production from the biomass leftovers, expecting an increase in the capacity from 10,000 to 30,000 tonnes per year.

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In 2021, Asia Pacific dominated the global granular biochar market. Increasing agricultural activities and rising demand for different types of agricultural products resulted in the growth of the market. Moreover, in Asia Pacific, the demand for soil fertility improvement products, and the increasing need for maintaining acidity levels in crops is increasing the consumption of granular biochar in Asia Pacific, especially in Australia, China, India, and Japan.

The main application of increasing use of granular biochar is the agricultural sector. Due to the material's advantageous qualities, demand for using granular biochar in agriculture has grown recently. Adding biochar in the form of granules to temperate soil can enhance a number of soil health indices. The ability of the soil to function as a living system to support biological productivity and preserve environmental quality is known as soil health. Granular biochar may be able to hold onto soil nutrients such as phosphorus, nitrate, and ammonium. This effect is most noticeable in light-textured soils. Granular biochar aids in boosting crop productivity and soil fertility.

Soil deterioration is a big issue for agriculture worldwide. Biochar is added to degraded soils to improve their condition. Granular biochar enhances soil structure, increases water retention and aggregation, decreases acidity, improves porosity, controls nitrogen leaching, and improves microbial characteristics to improve soil quality. Composting has also been proven to benefit from granular biochar. Both the loss of nutrients in the compost material and greenhouse gas emissions are prevented. Additionally, it aids in lowering the ammonia losses, bulk density, and smell of the compost. Granular biochar's benefits are boosting its demand in the agriculture sector.

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Based on product type, the global granular biochar market is segmented into wood source biochar, corn and wheat source biochar, and others. In 2021, the corn and wheat source biochar segment dominated the market. Based on application, the global granular biochar market is segmented into soil conditioner, fertilizer, and others. In 2021, the fertilizer segment dominated the market and is expected to grow at the fastest CAGR during the forecast period.

The global granular biochar market is segmented into five main regions—North America, Europe, Asia Pacific (APAC), the Middle East & Africa (MEA), and South & Central America. In 2021, Asia Pacific dominated the global market. Also, it is expected to be the fastest-growing region during the forecast period. The Asia Pacific granular biochar market is growing due to several factors such as rise in demand for organic and healthy products, increased use of granular biochar in water and wastewater treatment industry, implementation of latest technologies in the region and expanding research & development efforts. Government organizations are trying to regulate the production and use of environmentally friendly products, such as prohibiting chemicals and establishing maximum consumption limits. As a result, there is an urgent need to develop bio-based agrochemicals to reduce synthetic agrochemicals' harmful effects on the environment. Furthermore, the advantages of using granular biochar, such as low acidity, high stability in soil, and increased efficiency, led to increased adoption of such products. These factors are boosting the market growth.

The main application of the increase in use of granular biochar is agriculture. Due to the material's advantageous qualities, interest in using granular biochar in agriculture has grown recently. Adding granules to temperate soil can enhance several soil health indices by adding biochar in the form of granules. The ability of the soil to function as a living system to support biological productivity and preserve environmental quality is known as soil health. Granular biochar may be able to hold onto soil nutrients like phosphorus, nitrate, and ammonium. This effect is most noticeable in light-textured soils.

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