

SDGs Pelletized Carbon for Agricultural Use

Code : SDG-9

About the product

SDG-9 is an environmentally friendly soil amendment made by pelletizing a proprietary blend of biochar and ash derived from woody biomass power generation. It enhances water and nutrient retention, stimulates microbial activity, and contributes to soil restoration and improved crop growth. Designed to support low-cost, sustainable agriculture.

FEATURES

Excellent Water and Nutrient Retention

The porous structure holds water and nutrients, reducing drought stress and fertilizer runoff.

Activation of Microbial Ecosystems

Biochar provides an ideal habitat for beneficial microbes, promoting colonization and biological activity in the soil.

pH Regulation

Neutralizes acidic soils and supports healthy root growth and nutrient uptake.

Carbon Sequestration and CO₂ Reduction

By storing carbon in the soil, the product contributes to climate-smart agriculture and is well-suited for farmers participating in carbon credit programs.

Stable Supply and Cost Efficiency

Utilizes renewable woody biomass resources, enabling consistent supply at low cost.

PRODUCT PROPERTIES

1	Shape	—	Pellet
2	Material	—	Biochar, Wood ash, Inorganic porous material
3	Iodine number	mg/g	150 <
4	Moisture content	%	20 >
5	Total ash content	%	ca.14.9
6	Surface area	m ² /g	ca.180
7	Pore volume	cm ³ /g	ca.0.16
8	Apparent density	g/cc	ca. 0.67
9	pH	—	9-11
10	Particle size	mm	Φ4
11	Main Components (X-ray Diffraction)		
	Potassium (K)	%	1.392
	Calcium (Ca)	%	1.453
	Magnesium (Mg)	%	0.286
	Carbon (C)	%	93.93

APPLICATION

Soil conditioning for farmland and crop fields
Water and nutrient retention improvement in agricultural soil

HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the Safety Data Sheets.

PACKING

20kg paper bag · 700kg Jumbo bag