BIOCHAR FOR LAWN AND TURF



Biochar for Lawn and Turf

Biochar is a carbon-rich material made from the pyrolysis of biomass in an oxygen-limited environment. Renowned for its soil enhancement properties, biochar is gaining popularity in various applications. In this factsheet, we specifically focus on the use of biochar for lawn and turf management. The benefits and applications of biochar in this context, along with practical guidelines, will be thoroughly elaborated, providing valuable insights for those seeking sustainable lawn care and landscaping solutions.

Parameter	Unit	Green-waste Derived Biochar
рН	-	8.00±0.04
CEC	cmol/kg	29±0.13
BET Surface Area	m2/g	5±0.07
Pore volume	cc/g	0.003

Properties and Benefits for Lawns and Turf

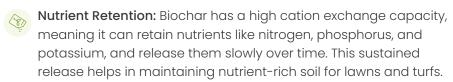


Supports Microbial Life: Biochar creates a conducive environment for soil microbes, enhancing nutrient cycling and uptake.



Soil Structure Improvement: Biochar helps in creating a more porous and well-aerated soil structure. This is crucial for turf and lawn health as it facilitates better root growth and water infiltration.







Glossary

Pyrolysis: A thermal decomposition process where organic material is heated to high temperatures in the absence of oxygen, resulting in the production of biochar

Cation Exchange

Capacity (CEC): A measure of how well soil can retain and exchange positively charged ions (cations), important for nutrient efficiency.

Germination Rates:

The speed and success rate at which seeds sprout and begin to grow, crucial for establishing healthy lawns..

Microbial Life: Refers to the microorganisms present in the soil, playing a vital role in nutrient cycling and soil health.

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Our Products

Onnu offers a diverse range of biochar products tailored for lawn and turf care. Our specialised formulations cater to various needs, from home gardens to professional landscapes, enhancing soil health and grass vitality sustainably. **These include:**

Soil Improver for Lawns and Turf 95% Biochar with Seaweed extract, wormcast and Mycorrhizal Fungi for micronutrients and enhanced soil structure

Fertiliser Mix for Lawns and Turf Biochar and NPK (18-03-08) Fertiliser Blend for additional nutrients and increased water retention

Pure Biochar 100%Pure Biochar, ideal for making your own mixes





Application Rates

Application rates for our biochar soil amendments vary based on factors like the environment, soil conditions, and plant type. For precise application guidelines tailored to your specific needs, please visit our website at www.onnubiochar.com and refer to the detailed information on each product.

Frequency of Application

Biochar is stable and persists in the soil for several years. Its benefits accrue over time, so frequent reapplication is not necessary. In general, apply every 2 years for optimum results, followed by a soil assessment for more tailored application rates.

Further reads:



Biochar, A Home Gardeners Primer



Royal Horticultural Society

Find more at:

www.onnubiochar.com