



PRODUCT SPECIFICATION SHEET

Wakefield® Premium Biochar

Premium Agricultural Grade Biochar

AVAILABLE FORMATS

SKU	PACKAGE SIZE / FORMAT
4206	4 quart bag
4208	1 cubic foot bag
4209	2 cubic yard super sack

PRODUCT COMPOSITION

COMPONENT	INCLUSION RATE
Biochar (dry)	100.0%

Feedstock: Pre-consumer waste wood from sawmill operations (Southern Yellow Pine).

Production Conditions: Produced at estimated reactor temperatures of ≥ 600 °C with a residence time of approximately 10–30 minutes.

PARTICLE SIZE DISTRIBUTION

PARAMETER	RESULT
< 1 mm	$\geq 75\%$
< 2 mm	$\geq 95\%$
> 2 mm	$\leq 5\%$

BIOCHAR KEY PROPERTIES

PARAMETER	RESULT
Organic Carbon (dry)	85–95%
Moisture (time of analysis)	50–60%
Surface Area (correlation)	150–350 m ² /g
pH	9.0–10.5
Electrical Conductivity	0.3–0.8 dS/m
Bulk Density (dry)	13–18 lb/ft ³
Total Ash (dry)	3–10%
Total Nitrogen (dry)	0.3–0.5%
H:C Molar Ratio	0.1–0.3

HEAVY METALS

All tested heavy metals are non-detect or below known current regulatory limits.

Biochar analytical testing performed by an independent third-party laboratory. Values are typical ranges and may vary by lot. For agricultural and soil amendment use.