



BIOCHAR

From crop and wood residues to a material with potential soil and industrial uses.



SOIL-FOCUSED • FEEDSTOCK-SPECIFIC

MATCH THE MATERIAL TO ITS MARKET

Available configurations depend on application.

Tire-derived carbon

KEEP TIRE CHAR SEPARATE

Feedstock: Used passenger, truck, and fleet tires.

Recovered materials: Carbon-rich tire char, steel, and process oils or gas, depending on system design.

Customer value: A route to recover materials and divert tires from disposal, with potential markets matched to product testing and buyer specifications.

Plant-based biochar

WOOD AND CROP RESIDUES

Feedstock: Wood chips, sawdust, corn stalks or cobs, soybean straw, and sugarcane bagasse.

Potential products: Biochar, bio-oil, and combustible gas. The mix depends on feedstock and operating conditions.

Customer value: Create potential uses for suitable local residues. Biochar, oil, and gas uses depend on testing, processing, and buyer or site requirements.

1 • SELECT FEEDSTOCK



2 • THERMAL CONVERSION



3 • RECOVER MATERIALS

Explore what your feedstock can become.

Burton EcoWorks can discuss feedstock needs, system configuration, and potential material pathways.

START A CONVERSATION

burtonecoworks.com

LET'S TALK

Illustrative overview only. Feedstock compatibility, products, yields, and end uses depend on equipment configuration, process conditions, product testing, permits, and local requirements. Tire-derived char is distinct from plant-based biochar; agricultural or soil uses require appropriate testing and approval.

Questions customers ask

Requirements and market options depend on the material, machine, and site.

1 Will I need permits?

A commercial installation may need preconstruction air review, state waste or tire approvals, and local zoning, fire, stormwater, or other reviews. The exact list depends on the site, feedstock, capacity, and emissions controls. Contact the agencies before construction. In South Carolina, tire processing requires a waste-tire processing permit and financial assurance.

2 How will my project be registered?

For eligible biomass biochar, Burton EcoWorks will help register the customer's production facility/project with Verra VCS or Puro.earth. We'll select a pathway after reviewing the feedstock, process, and biochar end use against current rules. Registration is project/facility-based, not an automatic equipment listing. Documentation, monitoring, and third-party audits are required; approval and credits are not guaranteed. Tire-derived char is a separate product and is outside these biomass biochar pathways.

3 Who might buy the biochar?

Potential buyers for tested plant-based biochar include farms and soil blenders, nurseries and greenhouses, compost producers, landscapers, turf managers, and some building-material makers. Buyers will have their own specifications and may request lab results, a product data sheet, and samples. Ask prospective buyers what they require before setting production targets.

4 Can tire char be sold as biochar?

Keep tire-derived char separate from wood or crop-residue biochar. It is generally evaluated as a recovered carbon material for industrial uses, such as rubber or plastics compounding, subject to product testing and buyer approval. Do not assume it qualifies for soil use or biomass carbon-removal credits.

Where to test your material

Ask for the panel, methods, sample amount, and current quote that match your intended market.

PLANT-BASED BIOCHAR

Control Laboratories • Watsonville, CA

Package includes carbon, pH/EC, nutrients, metals, and particle size.
208-227-3325 • Nik@controllabs.com

Florida option: EPS Labs • Jacksonville

Surface area, pores, ash, moisture, iodine number; no nutrient testing.
855-338-7770 • info@epslabs.com

TIRE-DERIVED CHAR / rCB

ACE Laboratories • Ravenna, OH

ISO/IEC 17025-accredited rubber lab. Ask about rCB testing and Vericarb verification, sample needs, and a quote.
330-577-4088 • ace-laboratories.com

Tire char differs from plant biochar; confirm buyer specs.

Carbon-credit program pathways

The right pathway depends on the feedstock, production facility, and documented biochar use.

Verra VCS • Biochar VM0044 v1.2

verra.org / Biochar methodology

Puro.earth • Biochar methodology

puro.earth/methodologies/biochar

Verra • Biochar eligibility FAQs

verra.org / Biochar FAQs

Puro.earth • Biomass sourcing rules

puro.earth/sourcing/criteria

Program rules change. Final eligibility and credit issuance are determined by the program after review and verification.