

TURF & WATER SOLUTIONS

Biochar for *Golf Courses*

Improving Water Quality. Conserving Water.
Building Healthier Turf.

Biochar is a highly porous, carbon-rich material that acts like a microscopic sponge within the soil profile. Its unique structure helps golf courses improve water retention, reduce nutrient loss, enhance turf performance, and support cleaner ponds and water features.

Cleaner Ponds

Adsorbs nutrients and contaminants from course water features

Stronger Turf

Holds moisture in the root zone through every irrigation cycle

Sustainable Results

A carbon-negative amendment that permanently sequesters carbon

01 • WATER QUALITY

Cleaner Ponds & Better Water Quality

Turning Golf Course Ponds into Natural Filtration Systems

Golf course ponds are constantly collecting nutrients, sediment, and organic matter from surrounding landscapes. Excess nutrients can contribute to algae growth, unpleasant odors, and declining water quality.

Biochar's highly porous surface creates millions of microscopic filtration sites capable of adsorbing nutrients and contaminants from the water. When used in pond treatment applications, biochar can help:

- ✓ Improve water clarity
- ✓ Reduce excess nitrogen and phosphorus
- ✓ Support healthier aquatic ecosystems
- ✓ Reduce odors associated with stagnant water
- ✓ Enhance overall pond aesthetics



COURSE WATER FEATURES TREATED WITH GEORGIA WOOD CHAR BIOCHAR

02 • IRRIGATION EFFICIENCY

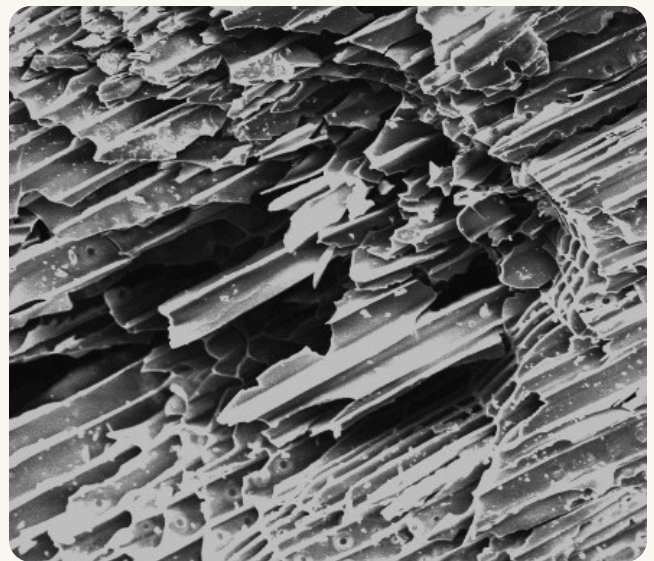
Water Conservation for Turf Management

Keeping More Water Where Turf Needs It.

Biochar helps maximize every irrigation cycle. When incorporated into the soil profile, biochar's porous structure functions as a water reservoir. The microscopic voids absorb and store water during irrigation or rainfall and gradually release it back to the root zone.

Benefits Include:

- ✓ Increased soil water-holding capacity
- ✓ Reduced irrigation requirements
- ✓ Improved drought resilience
- ✓ More efficient use of rainfall



PORE STRUCTURE AT MICRON SCALE

A Microscopic Water Reservoir

Think of biochar as millions of tiny underground storage tanks distributed throughout the soil profile. As biochar settles within the turf root zone, it continually holds moisture where grass roots can access it when needed most.

03 • STEWARDSHIP

Sustainability Benefits

A Smarter Environmental Solution

Golf courses are increasingly challenged to maintain world-class playing conditions while demonstrating environmental stewardship.

Improving Golf Courses While Locking Away Carbon

Biochar is more than a soil amendment. Produced through a carbon-negative process, it permanently sequesters carbon that would otherwise return to the atmosphere. Georgia Wood Char is an ISCC+ certified producer, we maintain rigorous standards for sustainability, traceability, and environmental stewardship throughout our operations.

Invest in Every Drop.

Biochar helps golf courses maximize water efficiency, enhance turf performance, and improve water quality through one innovative, natural solution.

- ISCC+ Certified Producer

Cleaner Ponds. Stronger Turf. *Sustainable Results.*



LICENSED TECHNOLOGY

Georgia Wood Char produces biochar under license from **Biochar Now, LLC** of Berthoud, Colorado, using its patented kiln technology. Biochar Now pioneered the slow-pyrolysis kiln process behind every grade we manufacture.

Georgia Wood Char, LLC

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