



Biochar Webinar Series – recordings now available

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Johannes Lehmann, professor of soil science, holds biochar made in Cornell's pyrolysis kiln. Photo: Allison Usavage

Cornell Cooperative Extension of Suffolk County hosted a webinar series on biochar in November 2020. Links to the recordings are provided below.

Experts from CCE – Suffolk, Cornell University, United States Biochar Initiative (USBI), Iowa State University, Advanced Renewable Technology International (ARTi), University of North Carolina at Pembroke, University of Wisconsin–Stevens Point, The F. A. Bartlett Tree Experts of North Carolina, and Natural Plant Solutions of Shaw Island, WA presented information on a wide range of topics including an introduction to

biochar; current advances in biochar science; and discussion of nursery and landscape research and applications.

View: Webinar #1 – Biochar Basics

- **Biochar: an introduction to a sustainable soil amendment**
Deborah Aller, PhD, Agricultural Stewardship Specialist, CCE – Suffolk
- **USBI: Introduction to the biochar community**
Tom Miles, Executive Director – USBI (United States Biochar Initiative)
- **Biochar for climate mitigation: withdrawing carbon dioxide from the atmosphere and sequestering it in soil**
Johannes Lehmann, PhD, Professor – Cornell University

View: Webinar #2 – The Science Behind Biochar

- **Properties of biochar and torrefied biomass: the science in the analytical black box**
Jillian Goldfarb, PhD, Assistant Professor – Cornell University
- **Advances in biochar production**
Bernardo Del Campo, PhD, President – ARTi (Advanced Renewable Technology International)
- **Valorization of biochar: Applications in nutrient recycling from animal manure**
Chumki Banik, PhD, Research Associate – Iowa State University

View – Webinar #3 – Ornamental Nursery Applications of Biochar

- **Biochar as a substrate in container production**
Neil Mattson, PhD, Associate Professor – Cornell University
- **Biochar nursery trials in Long Island container and field production**
Deborah Aller, PhD, Agricultural Stewardship Specialist, & Mina Vescera, Nursery/Landscape Specialist, CCE-Suffolk
- **Biochar as a soil amendment for blueberry production**
Bryan Sales, PhD, Assistant Professor – University of North Carolina at Pembroke

View – Webinar #4 – Landscape Applications of Biochar

- **Biochar and biosolids increase tree growth and improve soil quality for urban landscapes**

Bryant Scharenbroch, PhD Assistant Professor – University of Wisconsin–Stevens Point

- **Biochar as a soil amendment to improve tree survival and health in the urban environment**

Emma Schaffert, The F. A. Bartlett Tree Experts, North Carolina

- **Field and landscape applications of biochar using a variety of methods**

Andrew Borner, Owner of Natural Plant Solutions – Shaw Island, WA

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