Biochar – A New (Old) Technology

...that shows great promise for Agriculture, Energy Production, Bioremediation, and Carbon Sequestration
A Unique Way to Improve Our Environment and Economy Simultaneously
Biochar is a specialized form of charcoal suitable for agricultural use.
Advantages of Biochar

- Soil Health & Improved Ag Yields
- Water Conservation
- Renewable Energy Production
- Remediation
- Carbon Sequestration
- Job Creation
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Adding biochar to farmlands

Soil without biochar

Soil with biochar

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Conservation
Burns
Biomass Feedstocks
Commercial Greenhouse

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Wedges

Billion of Tons of Carbon Emitted per Year

Historical emissions

Currently projected path

14 GtC/y

Seven “wedges”

Flat path

1955  

2005  

2055  

2105  

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Sonoma Biochar Initiative
Redirecting Carbon
Building Healthy Soil

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