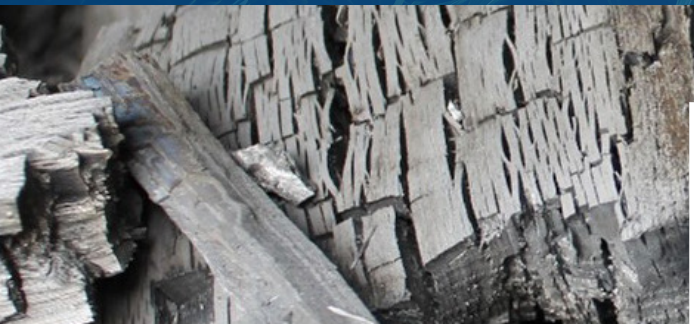




## Biochar Factsheet for Minnesota Landowners

# Consider Biochar Benefits for Your Land



1 - Biomass



3 - Biochar Produced



4 - Field Applied



2 - Burning



Turn your waste wood into a soil health amendment super power

## Make it into biochar!

Ratio of biomass in: biochar out Expect significant reduction in volumes when making biochar.



**You will reduce the volume up to 10 times.**

## Making biochar is a great forest management tool.

Diseased or insect infected trees can be cut and burned on site to make biochar and also control insects and disease transfer to healthy trees.

Clearing brush on your land reduces wild fire fuels, and provides open landscape wildlife habitat for game species like sharp tailed grouse and woodcock and countless song birds and animals.

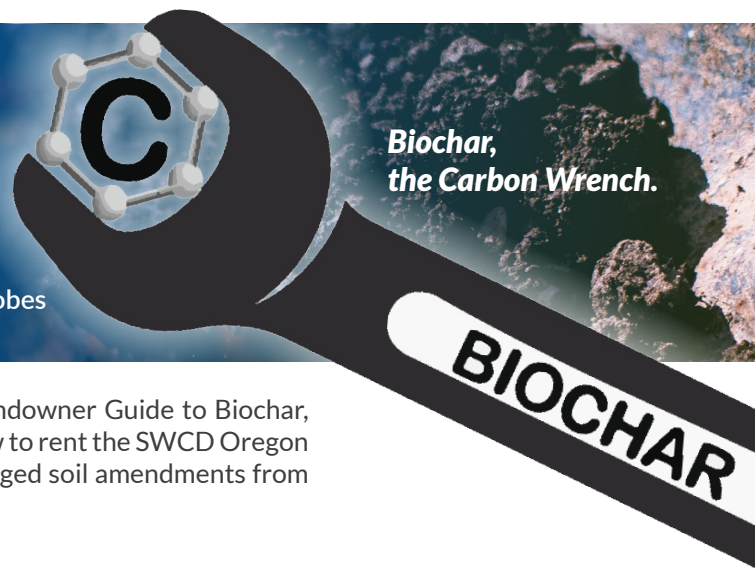
Make it at home use it at home. Biochar is best mixed with compost of livestock bedding to fill all those wood pore spaces with nutrients, microbes, bacteria, and minerals that will super charge the biochar and make your soils more healthy.

## Harness the power of biochar by adding it to your compost and applying the mix to your garden, potting soil, lawn, woods or fields. Anywhere your soil needs help.

Biochar fixes carbon by taking it out of the atmosphere and putting it into soil. We can let trees and plants do the work of pulling carbon from the atmosphere, lock that carbon up in a stable form as biochar, and avoid plant decay and carbon release. When we harvest biomass waste, convert it to biochar, and apply it to soil - we extend carbon storage. We can take CO<sub>2</sub> from the air, absorbed by trees and plants, and use biomass waste products to enrich our soils and store carbon indefinitely.

## Applying biochar can fix:

- Drought conditions by holding water in soil
- Flooding by improving rainwater infiltration
- Nutrient shortages by holding nutrients in soil
- Soil health by improving conditions for beneficial soil microbes



For more information, a complete Landowner Guide to Biochar, how to videos, and information on how to rent the SWCD Oregon biochar kilns to make some supercharged soil amendments from your waste brush visit:

<https://carltonswcd.org/biochar-kilns>

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