

Growing our Fuel via coppiced hedgerows of black-locust trees

Black locust trees offers by far the fastest return on investment in this climate when it comes to transforming sunshine into useable fuel.



Fifty black locust seedlings - five to fifteen cords of fuelwood within about twenty years' time.



One season after cutting as a 2 year old seedling



Young black locust coppice stool

#1: start planting hedgerows!

We know coppicing is the way to grow cordwood for fuel and we know pyrolysis cooks off the non-carbon wood gases and volatiles to yield charcoal, charcoal being a superior fuel for cooking

What percentage of today's hotwater needs are met by producing the charcoal for tomorrow's cooking fuel?

**#2
needs
R+D**

What we don't know is how much water can be heated through the pyrolysis process and how this changes at scale:

- How much water can be heated in a portable pyrolysis water heater for 10-20 person camping in a backwoods context?*
- How much water can be heated in a stationary pyrolysis water heater for a village/community of hundreds of people?*

**pyrolysis
water
heater**

*attaining
synergy*

