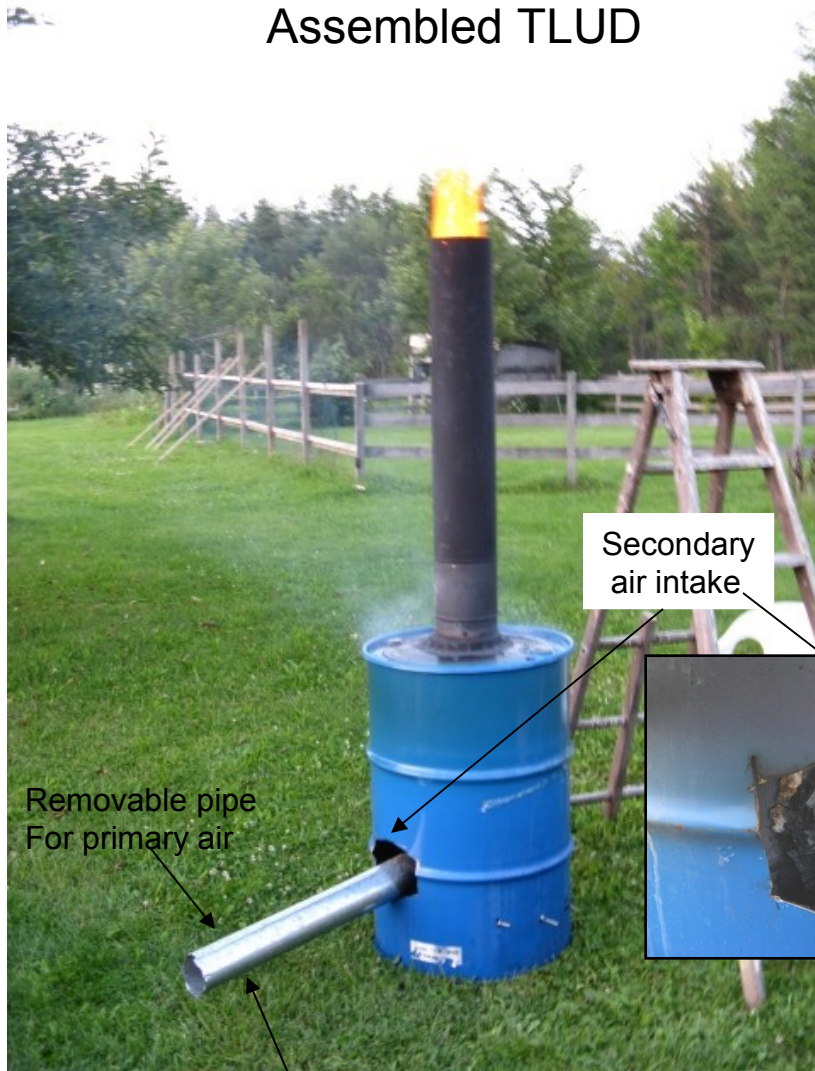


Assembled TLUD



Top off showing inner and outer barrels



Secondary
air intake

Removable pipe
For primary air

Primary air intake passes through outer barrel at secondary air and penetrates inner barrel under grate.

Inner (feedstock) Barrel (22 gallon)



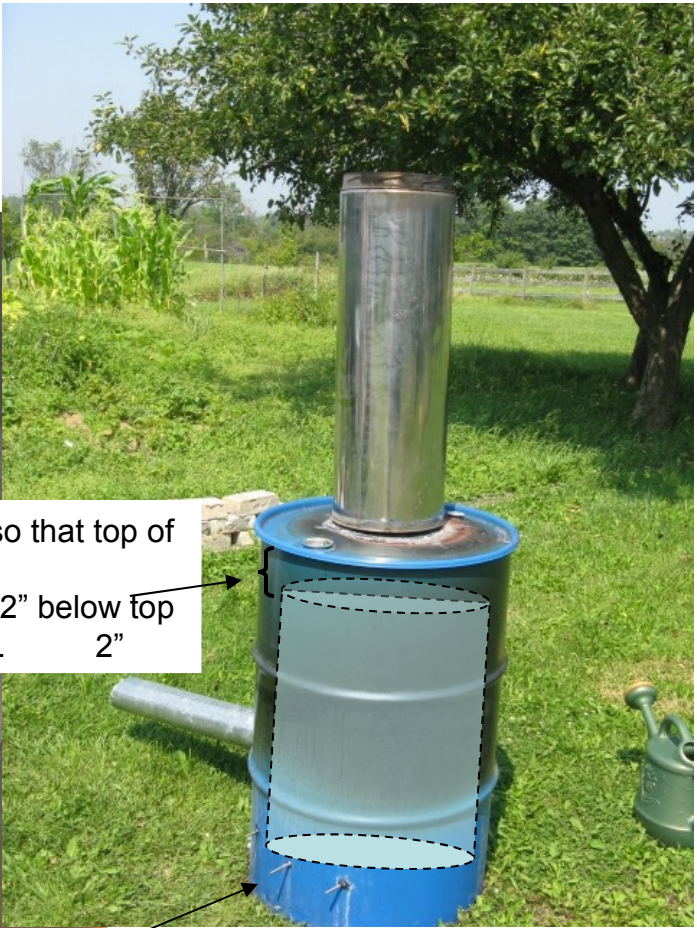
Rods support feedstock grate

Primary air intake into inner barrel
(made from 4" duct pipe)
-note- pipe has a closed end
with an opening cut into the bottom
to allow air to enter.

Outer Barrel (55 gallon)



Rods are set so that top of inner barrel is 2" below top of outer barrel. 2"



Rods support inner barrel.

Barrel Lid



Stove pipe flange with
6" hole in barrel lid

Finished
Biochar



Insulated stove
chimney pipe



Notes

- This TLUD was constructed using tin snips, drill, circular saw with a metal cutting blade, nuts and bolts, metal screws and stove pipe cement .
- Please look at Dr. Paul Anderson's TLUD instructions on the BioEnergy Lists website at <http://www.bioenergylists.org/> for detailed operational instructions and theory. Understanding how the TLUD operates is critical to getting reliable, clean burns.