

10 STEPS to make Eco-Fuel Saving Stoves



Materials Needed: hoe, pang, shovel, wheelbarrow, plastic bag or basin, banana stem, tape measure, clay soil, dry grass, water.



Get clay soil and break into small pieces.
Note: Use clay soil from anthill soil.



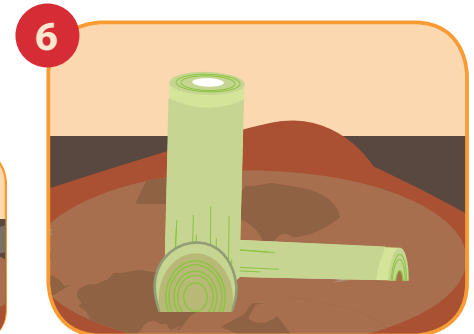
With the dry grass, cut it into 2 inch long small pieces.



Mix 2.5 basins of dry grass with 7 basins of soil and add water (not too much). Then mix both with a hoe or your hands. Note: 1 basin is 3 litres. Don't add too much or too little water or the soil will be too slipper or too hard to mold.



Then mix mud with your foot until ready. Note: When you stomp on the mud, if it does not stick on to your foot, it is ready. Lay a plastic bag where you want to put your stove. Then use the mud to make a 3cm tall and round base for the stove.



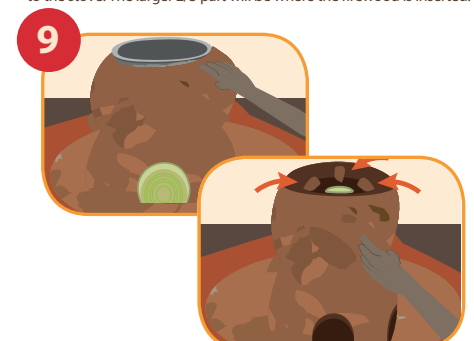
Get a banana stem of a thickness determined by the size of your saucepan you use for cooking. Ex. If the saucepan is 26cm diameter, you'll need a banana stem 14cm in diameter and 35cm in height. Remove the middle part of the stem and place the remainder at the center of the mud base. Get another banana stem of the similar thickness and vertically cut off 1/3. Lay it flat on one side of the centre stem. Place both 2/3 stem (flat part down also) on the side of the centre stem. Note: The smaller third will be to provide air to the stove. The larger 2/3 part will be where the firewood is inserted.



Start putting mud around the banana stem in the middle, make sure to press hard or else the stove will break easily. Keep adding mud until the whole stem is covered.



Get a saucepan and sprinkle water and dust or ashes on it. This will make it easy to pull it out from the mud.



Place the saucepan on top of the the stove and build a layer of mud around the saucepan. Make all the sides stove smooth. You can use a knife or pang. Also put 3 pan supports holders inside. This is where your saucepan will sit. After 5 days, pull out the saucepan and the 2 banana stems on the side.



After 2 weeks, remove the banana stem from the centre. Let the stove dry for 1 month before using it cook.



Income Facts

Start Up Capital:

20,000 UGX

Selling Price:

1 Stove = 30,000-70,000 UGX

Earning Potential:

500,000 UGX per month



Sawa World Spark

Prosy Ssebunya

(innovator of solution)