



## 7 Steps

### TO MAKE BIOCHAR FERTILIZER

#### MATERIALS

*This can make up to 50 kg of biochar fertilizer*

Coffee husks or maize husks, bean husks .....	1 bag
Gardening bags .....	5
Chicken droppings or cow dung, pig droppings .....	1 bag
Banana peelings or Irish potato peelings .....	1 bag
Metallic drum .....	1
Fine mesh strainer (for sieving) .....	1
Stick (steering the organic waste) .....	1
Jerry can/water (to put fire out) .....	1
Maize cobs .....	1
Tree branches .....	1

#### Benefits

- Increases soil fertility thus better yield
- Helps conserve the environment

1



Dry the organic waste. These include coffee husks, animal droppings, banana peelings and others. <sup>1</sup>

2



Start burning the dry organic waste (start with dry grass) in a metallic drum. Light with hot charcoal or a match. Add any other organic waste that can quickly light then add chicken or cow droppings. <sup>2</sup>

3



Continue burning the organic waste to make a charcoal-like carbon-based material. Keep mixing all the waste to ensure that it all burns. <sup>3</sup>

4



Remove the carbon-like material and sieve it using a mesh strainer. Fine particles can be separated from the residues.

4



Place the residue in a gardening bag and use a stick to crush it further into fine particles. After crushing, sieve the material again with a net for fine particles to get biochar fertilizer.

5



Pack the biochar fertilizer into gardening bags.

6



This is now ready to be taken into the garden to increase soil fertility.

#### TIPS

1. Do not use wet organic waste since it will not burn;
2. While burning, ensure that a flame is not created as it will cause the waste to burn into ash;
3. Cool carbon-like material by sprinkling little amounts of water