Points of techniques

What's "Biochar"?

"Biochar is a solid material obtained from the carbonization thermochemical conversion of biomass in an oxygen-limited environments. (International Biochar Initiative online: FAQS)".



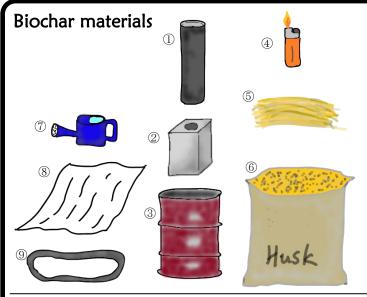


Effectiveness of "Biochar"

- Improvement of soil structure.
- Soil pH adjustment.
- Colonization of effective microbes.
- Temperature keeping effect.
- Strengthen cell walls and support plant growth by silicon (Si) of biochar.
- Reduction of risk from soil borne diseases.
- Pot weight saving by mixing with nursery soil.
- For deodorant. (e.g. cattle shed)

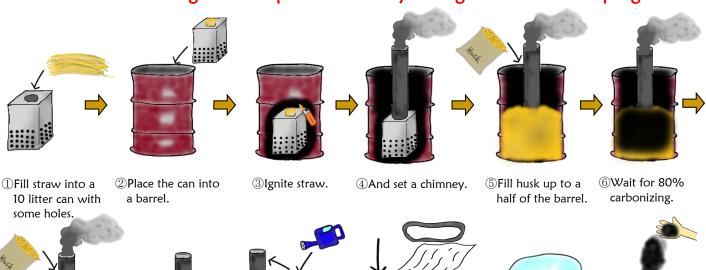


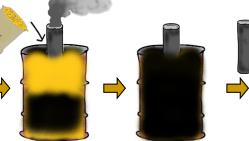


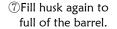


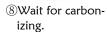
	Items	Remarks	Reference price
1	Chimney	Bukhari use	Nu. 550-600
2	Ignition chamber	10 litter can	Nu. 15
3	Barrel	200 litter barrel	Nu. 1300-1500
4	Lighter/matches	Not specified	Nu. 35
(5)	Dry material (straw)	For ignition use	-
6	Biomass	Rice/wheat husk	-
7	Water 4litter	For distinguishing	-
8	Plastic sheet	Size: 2m×2m	-
9	Rope	For sealing barrel	-

Be careful of handling fire. Keep children away during the fire-work in progress.











9 Remove the chimney and distinguish biochar.

(10) Rap up the barrel for cutting off oxygen.

11Leave the barrel one night for stop burning.

12) Finish. It is ready to use.



1. Nursery soil mixture

Soil recipe

Soil Sand Soil & Sand = 17234 +

📆 : 3 buckets Biochar = 📆

Compost = 7 : 1 bucket

Bokashi = | talf of a bucket

SUPHALA = : 1 grab







3: Overlay surface by biochar. And sow a seed/ transplant seedling.



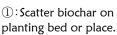
4: It is done. It looks like this.

2. Soil structure improvement



Standard of the use × 1 bucket







2: The better is Mixing with soil.



③: Sample of use. It looks like this.

3. Uprooted seedling treatment





①: Put a grab of biochar into a watered wash tub.



②:Stir up.



③:Soak seedling roots into the water. It is keepable for 2 days.

4. Deodorant



Deodorant effect is one of biochar feature. Scattering on cattle shed should be expecting suppress the smell (not 100%).

5. If biochar becomes ash, it is useful as well.



>Minerals supplements >pH control to Alkaline >Aphid, fungi control



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Organic material - Biochar -

Starter Guide

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