



EPIC RENEWAL

All About Bokashi!

January 2025



We are community composters working to build a zero-waste world.
We keep food waste out of landfills and use it to build healthy soils
and support equitable and resilient food systems.





At Epic Renewal, Bokashi allows us
to process a wide variety of food scraps,
do our work indoors and in small spaces,
and reduce our labor.

We also combine Bokashi
with composting and vermicomposting.



Bokashi is a fermentation process, which allows food scraps to be turned into a ready-to-go soil amendment within about 10 days.



Composting

(Aerobic)



Requires Air, Moisture, and Maintenance
Limited Input Options (Depending on scale)
Best Done Outdoors

Bokashi

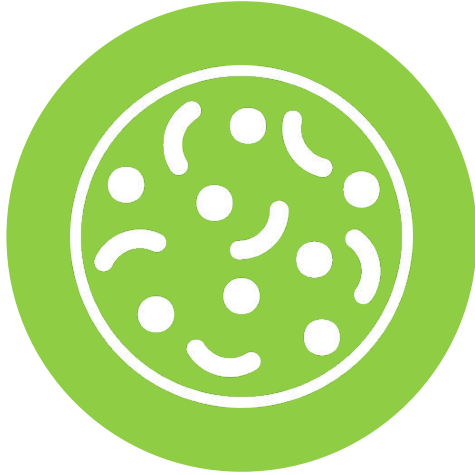
(Anaerobic Fermentation)



More Input Options
Faster Turnaround, Less Labor
Indoor Processing, Less Space



Effective Microorganisms - EM 1



- **Lactic acid bacteria** : *Lactobacillus casei*
- **Photosynthetic Bacteria**: *Rhodospseudomonas palustris*
- **Yeast**: *Saccharomyces cerevisiae*
- **Others**: beneficial microorganisms that exist naturally in the environment may thrive in the mixture.

EM 1 or variations of it function like a ‘mother culture’ in the fermentation process.





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Food Scraps

Bokashi Bran
(inoculated with EM)

Airtight
Container

Time



Soil-Ready amendment that can be buried after 10 days, *or*
You can add a finishing stage to widen use options





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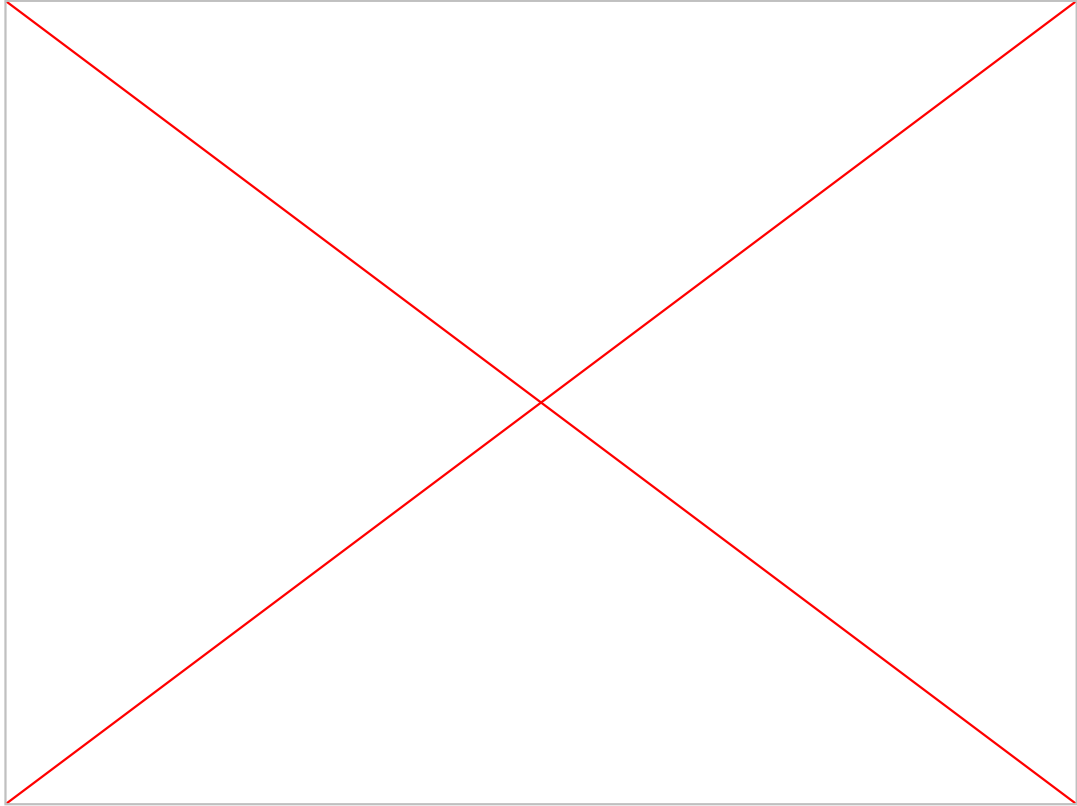
Fermentation



Food scraps are packed into the fermenter, and sprinkled with bran in ~2" layers. Once filled, they are left for at least 10 days to ferment effectively.



Fermentation



Food scraps are packed into the fermenter,
and sprinkled with bran in ~2" layers
Once filled, fermenters need ~10 days to ferment effectively.



Small Space Options

Trenching / Burying



Bury the fermented material in soil, ideally at least 12" from any precious roots.

Soil Box / Soil Factory



Combine with soil in a closed container, stirring occasionally until breakdown, then use as a super nutrient-rich soil!

Vermicompost



Add to your worm farm!
Keep an eye on Epic Renewal to learn more about this in the future.



Composting



**Fermented material is mixed with carbons
and breaks down rapidly in the compost process.**



Thanks!



Epic Renewal | Urban Composting



epicrenewal.org



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