

To Find the Best and Easiest Composting Method

Introduction:

For the past 10 years, Mr Chythenyen and I (Harini) have explored various composting techniques, trying to find the easiest and most effective way to turn organic waste into rich manure. After years of trials, learning, and hands-on experience, we've arrived at a conclusion: **Biogas slurry is the best and easiest form of composting.** Here's why.

Techniques We Tried Over the Past 10 Years

☐ Terra Cotta Pot Composting

- Requires minimal space (~1.5-2 sqft), making it ideal for small homes.
- However, frequent aeration is needed, and as the pot fills up quickly, additional pots are required.
- Insect attraction is moderate, and bad odor can be an issue if not managed well.

Terracotta Composting



Tumbler Composting

- A rotating tumbler makes aeration easier and speeds up composting.
- Needs regular mixing, and multiple bins may be required for continuous use.
- Insect attraction is low, but setup costs can be high.

Tumbler Composting



Bin Composting

- Requires a small space (2x2 feet) and is relatively easy to manage.
- However, moisture control is critical, and aeration must be maintained.
- Insects are moderately attracted, and bad odor can develop if aeration is poor.

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Bin Composting



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- One of the quickest methods (~21 days) and provides nutrient-rich compost.
- However, worm care is essential, and maintaining moisture and temperature can be challenging.
- Insect attraction is low, but it requires specific worm species and careful management.

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Plant Pot Composting

- A simple method that requires just 1 sqft per pot.
- Needs layering of waste and dry material but is insufficient for large-scale composting.
- Insect attraction is moderate, and odor issues can arise without proper layering.

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Plant Pot Composting



Black Soldier Fly Composting (BSF Composting)

- Extremely fast decomposition, with food waste breaking down in just **7-10 days**.
- **High protein output**, as BSF larvae can be used as animal feed.
- However, **requires controlled conditions** to breed BSF effectively.
- **Odor can be strong**, and maintaining the larvae population takes effort.



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Resource Management Solutions

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Black Solider Fly Composting



The Game-Changer: Biogas Slurry

After testing all these methods, we found **biogas slurry to be the easiest and most effective composting solution.**

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Biogas Composting



- ✓ **No manual maintenance** – once the biogas plant is set up, the slurry is produced automatically.
- ✓ **Immediate use** – no waiting for weeks or months. The nutrient-rich liquid is ready to apply directly to the soil.
- ✓ **Minimal odor & insect attraction** – compared to other methods, biogas slurry remains clean and easy to handle.
- ✓ **Best for plant growth** – it scores a perfect 10/10 in our trials, thanks to its high nitrogen content and bioavailable nutrients.

After 10 years of experimenting, **biogas slurry has become our top recommendation** for those looking for the most effortless yet effective composting method. If you're looking for a way to turn waste into organic manure while keeping the process hassle-free, biogas slurry is the way to go!

