



BSFL

Black Soldier Fly Larvae Composting

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Worm Farming Workshops

www.TheWormMan.com.au/workshop

Virtual / Recorded Also Available!

www.TheWormMan.com.au/virtual

Kids Educational Activities:

www.TheWormMan.com.au/activity

For more instructions, other information about raising worms, links to information and how-to videos on my u-tube channel, books, courses, worm farm plans etc go to my resource page:

www.TheWormMan.com.au/help

What Are BSFL Farms Good For?

Worm farming & composting are GREAT for food waste.

But certain things are not put in compost or worms and that is where BSFL come in.

Sometimes it is about the sheer VOLUME of waste and BSFL can help with that. BSFL reduce volumes by up to 50%; then the rest is garden ready or able to be fed to worms as another step in the process.

The resulting "frass" and "leachate" is great for gardens and plants. It is a microbial powerhouse and is a superb additive for the garden.

Terms:

Frass - The solid left behind once the larvae eat the food

Leachate - The liquid that drains off through the drainage system

How To DIY A Black Soldier Fly Larvae Farm?

My new method is super simple. Please only use tools safely, that you know how to use.

Cut a slit in the front of a bucket for the larvae to harvest out of and the adults to enter the farm.

Leave a "strap" in the middle of the bucket to reinforce it - and don't cut right to the top of the bucket, or it will fall apart.

Also leave about 4cm at the bottom of the bucket so the gravel doesn't fall out.

Put four drainage holes in the bottom of the bucket, about 6-8mm diameter.

My Qualifications:

- BCC Certified Master Composter
- BCC Master Composters: Worm Farming & Black Soldier Fly Trainer
- BCC Libraries facilitator
- Education provider/trainer to other Council programs
- Cert. 4 Training & Assessment (qual. to teach Horticulture to Cert. 3)
- Cert. 3 Horticulture
- Cert. 3 Rural Ops/Herbicides
- YouTube Worm Farming channel 80+ videos - 165,000 video views.
- Author of E-books, guides and worm farm plans etc.

Drain Bucket: Either hang a small bucket from the bottom of the farm - you can use a piece of wire threaded through the drain holes - or place the farm on some bricks or wood, so you can put the drain bucket under.

Larvae Bucket: Either hang a small bucket from the top slit of the farm - you can use a wire hook - or if the farm is placed on some bricks or wood, you can put the larvae bucket on the ground under the slit.

Start your drainage layer:

1. **Cloth** - to prevent rocks coming out of drain holes or blocking them (shade cloth, insect screen, weed mat, geofabric etc.)
2. **Rocks** - for drainage - 5 to 10mm drainage gravel is fine - or any you can get for free.
3. **Zeolite** - as a filtering media - add about 2 tablespoons, apply lightly over the rock layer.
4. **Cloth** - allows you to see where the frass stops and the drainage starts when you harvest..
5. **Egg Trap:** make an egg trap/collector by cutting some thick fluted cardboard into strips, then cut the strips into squares, bind the cardboard squares together and tie up near the top of the farm.
6. **Food Waste To Start** - used coffee grounds make a great attractant.
7. **Location:** Place the farm away from other sources of food - if you put it near the compost bin for instance, the flies may visit the compost bin and not your farm. If possible, place out of the rain, or protect from the rain.

Larvae Escaping Up The Walls?

Lip Protector: If you are experiencing larvae climbing and escaping, you can put some Velcro (the hook side) around the top of the bin to stop this; they can't crawl over it.

How To Use The Products Of A Black Soldier Fly Larvae Farm

Leachate: As with worm bin leachate: dilute with 10 parts water, apply to the soil only, around ornamental plants only, or observe suitable withholding period.

Frass: Apply to gardens and dig into the soil or mulch layer. May also be fed to worms, as worms love it and will add more to the process.

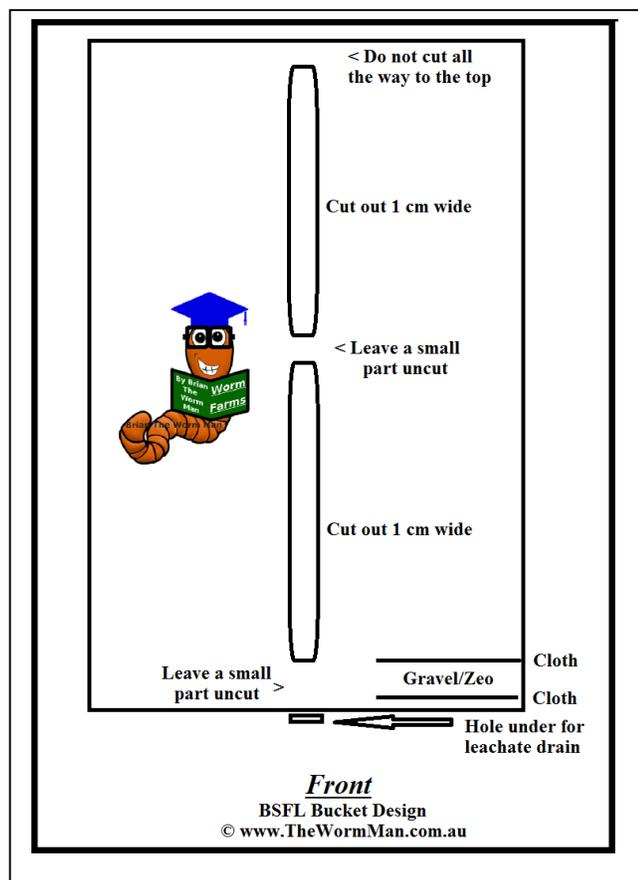
At The End Of The Season & The Start Of The Next One

At the end of season:

1. Remove the frass and put it on the garden.
2. Rinse water through the bucket, cleaning the gravel layer in doing so.
3. Tip the gravel out somewhere to dry it out, then collect it back for next season.

At the start of the next season:

1. Replace the drainage layers.
2. Add 2 Tablespoons of zeolite over the gravel, as the old stuff may have washed away.



Thanks for checking out another waste diversion method !

And PLEASE REMEMBER - there's HEAPS of FREE resources on the help page at:

www.TheWormMan.com.au/help

If you have any questions, please just call or email me, I am happy to help.

Thanks and happy composting !!!

Regards,

Brian Donaldson

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