

» BiobiN[®]
too good
to waste[™]

manage your organic waste
responsibly with BiobiN[®]

need a solution for poultry waste material?



what is BiobiN®

BiobiN® is an on-site, capture, containment and processing* patented system for organic materials in an easily accessible vessel.

The patented BiobiN® aeration system initiates the composting process of organic material, reducing odours, bacteria and other pathogens. The composting process also maximises the density or the amount of organic material that can be collected by the BiobiN®.

Once collected, the processed or partially processed organic material can be added to the composting process to produce products such as soil conditioners, compost and biofuels – providing a valuable supply of nutrients, carbon and organic matter to agricultural soils, landscape supplies and alternative fuels.

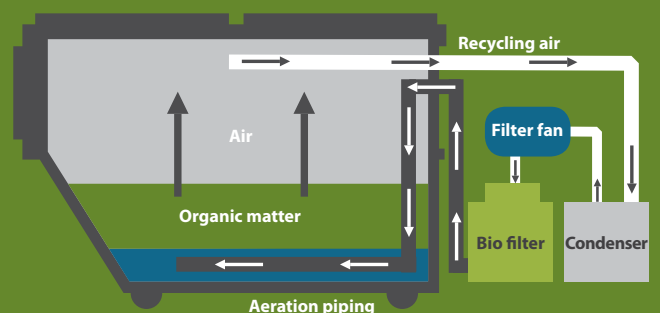
why use BiobiN®

BiobiN®

- » minimises odour
- » decreases waste collection costs and frequency
- » reduces greenhouse gas emission
- » suitable for reactive or organic waste.

For remote and isolated areas, self-maintained systems are available that allow you to complete the composting process in the BiobiN® (2.0 FTM) and empty your own bins*. A fork lift (2.5 Tonne) is all you need to manage the BiobiN® efficiently and safely, and off-grid power options can be supplied.

the patented BiobiN® system



BiobiN® add-on features

BiobiN® can be complimented with several features to make loading of the bins easier. These include;

- » foot rails/steps
- » wheels
- » tippler bins
- » Mobile Garbage Bin lifting unit
- » hydraulic mainlids

when do you empty BiobiN®

BiobiN® only needs to be exchanged when it's full, providing maximum collection efficiency and minimising unnecessary transport costs and movements.

A service provider can be arranged to collect your BiobiN® with either regular or on-call services – making the management of your organic waste material simple, reliable and efficient.

* Completion of process within the BiobiN® system requires additional inputs and process management.

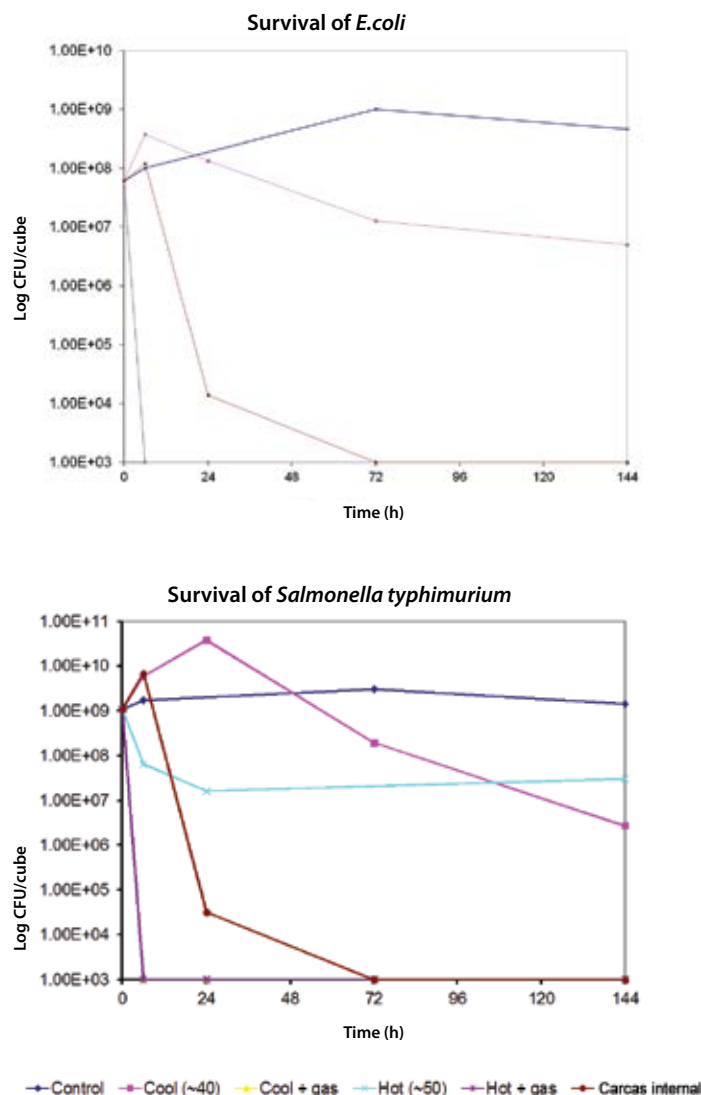
biosecurity and environmental benefits

BiobiN® diverts poultry waste from landfill, removes on-site waste management and biosecurity risks, reduces greenhouse gas emissions and optimises transport costs.

In landfill, organic material breaks down to produce greenhouse gases including methane, a greenhouse gas up to 25 times more potent than carbon dioxide.

Additionally, the BiobiN® system and all of its components, are recyclable at the end of its life.

Trials done in 2007 by Flinders University show very quick die-off of bacterial pathogens in the BiobiN® system*. Two types of key indicator bacteria, *E. coli* and *Salmonella* were trialled. Researchers found that both types of bacteria were effectively controlled to below detectable limits by the combination of high temperatures and ammonia generated in the patented BiobiN® process.



» **“BiobiN® provides a reliable, effective, clean green, economic and biosecure management solution for poultry farm mortalities. The unique aeration and biofiltration system means we can biosecurely store mortalities on site and the BiobiN® effectively manages odour and pathogen control with no risk to our local environment.”**

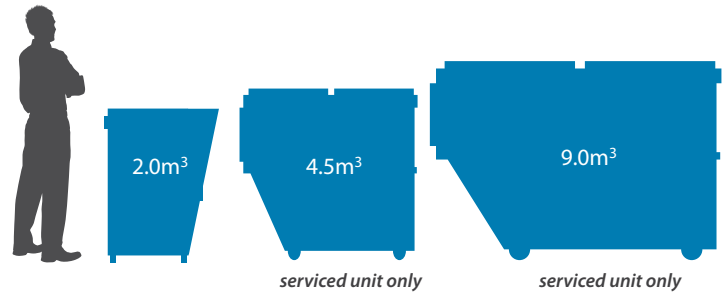
Laura Fell, RJ&LA FELL Turkey Farm, President, SA Inghams Turkey Grower Group

*when operated in accordance with manufacturers specifications.

which BiobiN[®] is right for my operation?

remote solutions & self service

The 2.0FTM model is designed to be serviced by a single operator with a forklift (2.5 Tonne) or similar vehicle. When full, the BiobiN[®] can be serviced and contents emptied at a suitable site for the completion of the composting process. Alternatively, the process can be completed in vessel to produce a ready to apply compost straight from the BiobiN[®]*



serviced solutions

The 4.5m³ to 20m³ BiobiN[®] systems are primarily focused on delivering a cost effective, simple, capture and secure containment system for poultry waste. These BiobiN[®] systems are usually supported and serviced with the waste being removed from site and taken to an appropriate facility for processing.

the solution

If you think a BiobiN[®] could be the solution for you, talk to us and we can help determine if the BiobiN[®] is the right fit for your business.

Unit Specs	2.0m ³ FTM	4.5 m ³	9 m ³	20m ³
Footprint <small>(inc external unit and clearance)</small>	3.5m x 3m	3.2m x 3m	4.5m x 4m	8m x 2.5m
Net Weight aprox. <small>(BiobiN[®] only)</small>	500 kg	650 kg	1000 kg	4000 kg
Gross Weight <small>(est. maximum)</small>	1950 kg	3650 kg	8500 kg	20000 kg
Net organics capacity <small>(averaged estimate. Variable according to material type)</small>	1450 kg	3000 kg	7500 kg	16000 kg

» **“BiobiN[®] systems are a simple, reliable and secure management system that removes associated risk issues when dealing with putrescible waste. They are a seamless fit with our best practices management principles”**

Hiro Ujie, FTZ Company, Fukushima, Japan

BiobiN[®] Technologies

The patented BiobiN[®] System was developed by Peats Soil and Garden Supplies Pty Ltd, an innovative and leading recycler of organic material in South Australia.

BiobiN[®] systems are designed for the growing need to provide an on site solution to manage the large amounts of organic and wet materials otherwise being sent to landfill.

BiobiN[®] provides a cost-effective and sustainable solution for organic materials in Australiasia, Asia, North America, Middle East, Japan, China, Africa and India.



BiobiN[®] Technologies Pty Ltd



printed on 100% recycled materials

Head Office

PO Box 66, Willunga SA 5172

Phone: + 61 8 8556 5295

Email: info@biobin.net

Web: www.biobin.net

