

» BiobiN<sup>®</sup>  
too good  
to waste<sup>™</sup>

manage your organic waste  
responsibly with BiobiN<sup>®</sup>

# 是否还在为 如何处理家禽粪便而苦恼？



## 什么是 BiobiN®

BiobiN® 是一个具有专利权的有机垃圾处理系统，能在其十分便利的容器中，实现对有机材料的现场收集，储存以及生物处理。

BiobiN® 曝气系统专利技术始于对有机材料的堆肥处理过程，这个过程能有效减少臭味并抑制细菌和其它病原体的滋长。

经 BiobiN® 生物处理箱收集处理的有机材料，无论是完整处理还部分处理，均能添加到有机堆肥处理过程中，从而进一步生产出如土壤调理剂，有机肥料和生物燃料等有机产品。这样能为农业耕种土壤、园林景观用品以及代用燃料提供宝贵的碳氮元素和有机物质。

## 为什么使用 BiobiN®

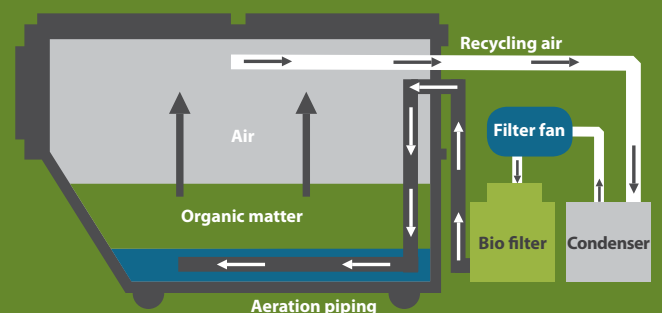
BiobiN®

- » 除臭
- » 降低垃圾收集成本和次数
- » 减少温室气体排放
- » 适用于活性或有机垃圾

对于那些偏远落后地区，自我维护系统能让生产者在 BiobiN® (2.0 FTM) 生物处理箱中轻松完成对有机垃圾的堆肥处理\*，同时也有助于减少对家用垃圾箱的使用。仅仅需要一辆载重 2.5 吨的小型叉车就能安全有效地使用 BiobiN® 生物箱。此外，非电网电源选项也能被提供。

\* 在 BiobiN® 系统中完成整个处理过程还需要额外的添加和过程管理。

## 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.

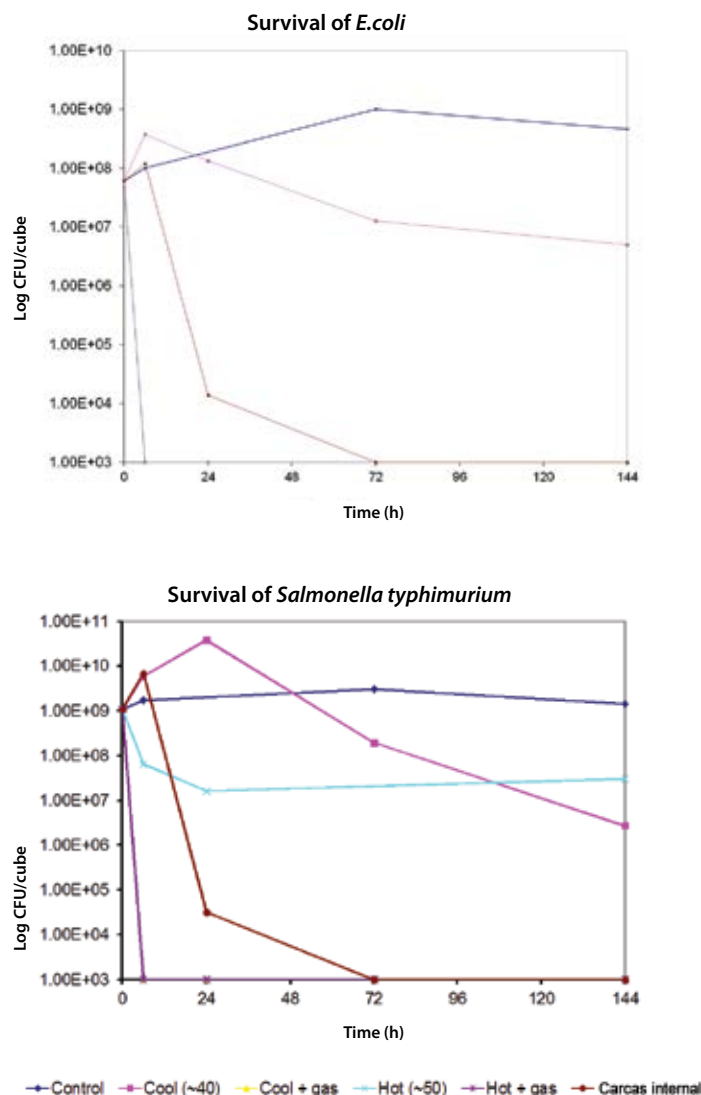
# biosecurity and environmental benefits

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.”**

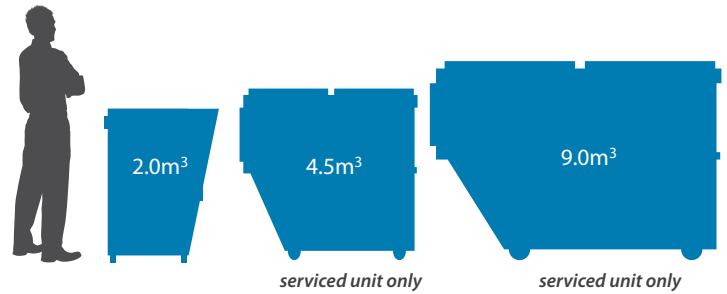
Laura Fell, RJ&LA FELL Turkey Farm, President, SA Inghams Turkey Grower Group

\*when operated in accordance with manufacturers specifications.

# which BiobiN<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup>\*



## serviced solutions

The 4.5m<sup>3</sup> to 20m<sup>3</sup> BiobiN<sup>®</sup> systems are primarily focused on delivering a cost effective, simple, capture and secure containment system for poultry waste. These BiobiN<sup>®</sup> 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<sup>®</sup> could be the solution for you, talk to us and we can help determine if the BiobiN<sup>®</sup> is the right fit for your business.

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

» **“BiobiN<sup>®</sup> 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<sup>®</sup> Technologies

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

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



BiobiN<sup>®</sup> Technologies Pty Ltd



printed on 100% recycled materials

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