

serviced BiobiN[®] options in the field



Forklift tipping model (2.0FTM)



Our mid-sized service option, the 4.5m³ self contained BiobiN[®].



The larger 9m³ on site capturing organic material from a market place, convention centre & shopping centre.

» **“Using BiobiN[®] at the David Fleay Wildlife Park, waste going to landfill was reduced by approximately 70%.”**
ecoBIZ, Queensland
Case study for David Fleay Wildlife Park

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.



The high capacity 'rol on roll off' 15m³ BiobiN[®] system.

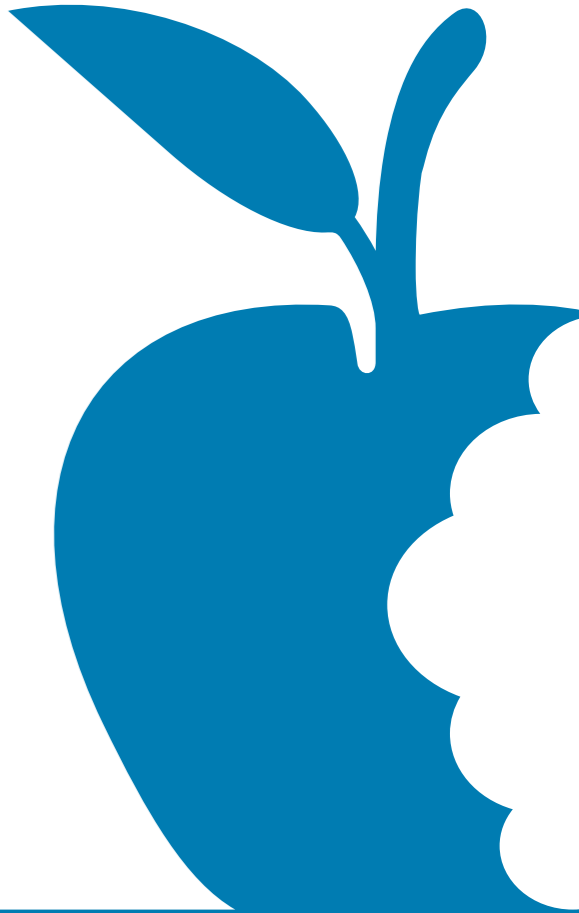


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printed on 100% recycled materials



» **BiobiN[®]**
too good
to waste[™]

manage your organic waste responsibly with BiobiN[®]

need a solution for organic and wet materials?

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®

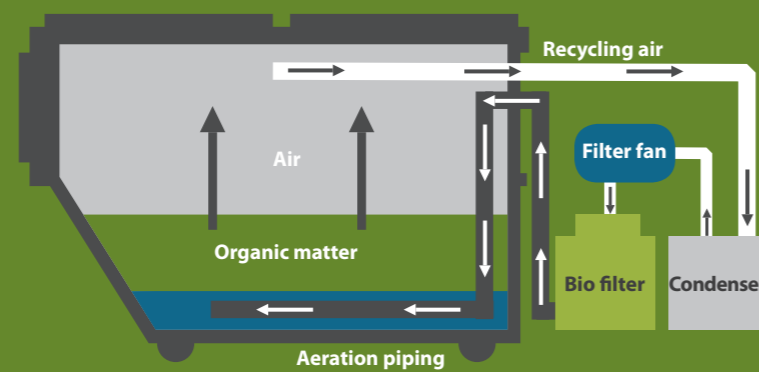
- » minimises odour
- » decreases waste collection costs and frequency
- » reduces greenhouse gas emission

BiobiN® can be used in many different situations and is a valuable asset but not limited to;

- » hotels
- » resorts
- » restaurants
- » education facilities
- » health care facilities
- » food manufacturers
- » primary producers
- » animal, wildlife and veterinary facilities

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 included.

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



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 movement.

A service provider can be arranged to collect your BiobiN® on a regular or on-call basis – making the management of your organic material simple and efficient.

» "Out of all our waste saving initiatives, the BiobiN® has made the greatest impact on our waste disposal – it has reduced our waste collection by 14 bulk bin removals per week."

Richard Phillips, Chief Engineer, Noosa Sheraton, Queensland

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



environmental benefits of BiobiN®

Capturing organic/wet material with BiobiN® diverts organics from landfill, 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.

If your organic material is processed into compost and then put to work in the soil, it can trap carbon dioxide, add carbon to your soil, add nutrients and support microbiological activity.

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

which BiobiN® is right for my operation?

Three sizes of BiobiN® are available. 4.5m³ and 9m³ as serviced options. 2.0m³ for self service locations.

So what size will you need?
Answer these simple questions to see if a BiobiN® can be the solution you're looking for.

- » Do you want to reduce your waste transport costs and number of bins on your premises?
- » How much organic and wet waste do you produce in a week?
- » Do you have truck access, external power and enough space?
You can check how much space you will need in the Unit Specs table on this page. Only a standard 240V 10 Amp connection is required (other power options also available).
- » Do you wish to reuse the composted organic materials yourself?

serviced customer solutions

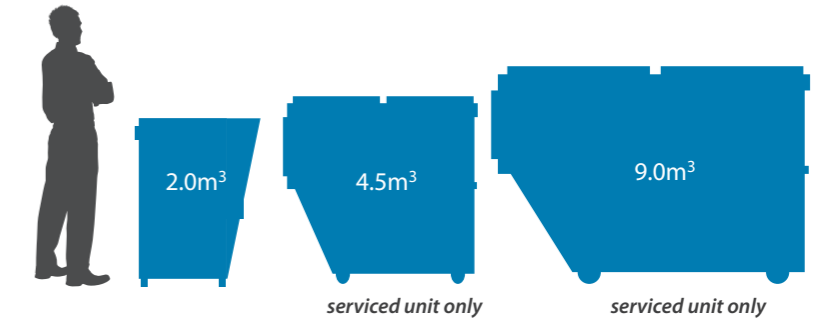
This option is best suited for the collection and removal of organic and wet materials. Reducing transport costs and number of bins

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®*.

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 FTM	9 m ³ FTM	20m ³ FTM
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 approx. <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

who can use the fork tipping model?

The 2.0FTM BiobiN® can be used by anyone who does not have access to a collection service or wishes to complete the composting process of their organic material on site. BiobiN® is suitable, but not limited to the following applications;

- » mining sites
- » island resorts & communities
- » green grocers
- » food processors
- » restaurants
- » education facilities
- » health care facilities
- » councils and Government departments
- » shopping centres & food courts
- » animal, wildlife & veterinary facilities
- » national parks & holiday resorts