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• Organic waste recycling

• Commercial & domestic applications

• Natural biodegradable products

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## Eco Earth Office/Home

Figure 1.



Eco-Earth is an onsite food waste recycling system that is revolutionary in application.

Eco Earth processes food waste into usable compost/fertiliser within 24 hours.

Eco Earth is a great asset to any business that is looking toward long term sustainable practices and committed to improving their environmental credentials.

Eco Earth will assist any business in meeting their environmental planning targets by; reducing organic food waste being dumped into landfill directly reducing Green House Gas emissions (GHG-e) Methane.

Dimensions - Height 600mm x Width 400mm x Depth 450mm

Figure 2.



- Easy operation by simple 3 step process –
  - 1. Collection of waste.
  - 2. Introduction of waste into unit.
  - 3. Removal
- All natural Bio agent (activator Aerobic Microbes), is key to the process.
- The end product is a natural organic fertilizer = approximately 10%-15% of the total volume of initial waste. e.g. 10 kgs food waste = 1kgs end product fertilizer.
- The fertilizer can be used as a Soil Conditioner to improve plant yields and restore soil quality. It completely organic and retains Carbon and nutrients of the waste.
- The Eco Earth Office processes approx. 2 Kg of organic waste in a 24 hour period.



# Eco Bucket

indoor organic waste system

**ecorganics**   
making sustainability happen

## Product Information Sheet

### Description:

The 20 Litre **Eco Bucket** is designed to sit inside your house in a suitable and convenient area.

Each time you add waste, spread a layer of **Eco Bokashi**. Repeat this process until the **Eco Bucket** is full.

Once full, the fermented contents of the bucket can be transferred directly into the soil of your garden where it will breakdown rapidly. In 2 to 3 weeks the buried waste will be mostly broken down into soil, providing a usable nutrient rich end-product and improving the soils levels of nutrients, microbes and enzymes.

The **Eco Bucket** is airtight so there will be no insect problems, and the fermentation process prevents foul odour.

### Directions:

1. Place your **Eco Bucket** somewhere close to where your food waste is produced.
2. Place the drain plate supplied into the base of the **Eco Bucket**. This allows highly nutritious liquid to drain into the bottom of the bin.
3. Spread a layer of **Eco Bokashi** onto the drain plate.
4. All food wastes can be added into the **Eco Bucket** e.g. cooked food scraps, bread, citrus, vegetable scraps, eggshells, small amounts of paper, meat, seafood, onions etc.
5. At the end of each day:
  - a. compress the food waste in the bucket with a mashing utensil, or similar, to remove any air pockets. (the microbes don't need air to work).
  - b. Spread a layer (approximately 75-100mls or 1/3 cup) of **Eco Bokashi** over the food waste so that the entire surface area is covered. The more **Eco Bokashi** used introduces more microbes into the bucket.
6. Reseal the airtight **Eco Bucket** lid.
7. Once or twice a week, drain the liquid 'Bokashi Juice' from the bucket.  
NOTE: The 'Bokashi Juice' can be diluted with water at a 1:100 ratio and applied directly to your garden beds and plants. The 'Bokashi Juice' is required to be used within 12 hours of being drained from the Eco Bucket whether it is diluted or undiluted.
8. When the **Eco Bucket** is full, empty the contents into a small hole or trench approximately 20cm deep and cover with soil. The waste material needs to go into the soil to physically break down.
9. Rinse the **Eco Bucket** with water (no detergent or soap), drain and repeat the process.

\* Available in Tan, Black and White - 20 Litre Capacity.

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Printed collectively on 100% post-consumer recycled paper using vegetable based inks, by PrintTogether [www.printtogether.com.au](http://www.printtogether.com.au)

# Eco Bokashi

compost booster

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## Product Information Sheet

### Description:

The **Eco Bokashi** used in our organic waste recycling system is composed of crushed Australian grain (usually barley, wheat and/or rice mixture) fermented with natural beneficial microbes, minerals, salts and natural sugars. This material has a moderate nutrient value on its own, but is also teeming with millions of beneficial microbes which go straight to work when in contact with organic material such as the food waste in the **Eco Bucket**, or the organic matter within the soil.

These microbes work in an oxygen free environment so there is no heat or foul odours produced.

**Eco Bokashi** can be used for:

- recycling food waste
- controlling natural odours
- conditioning soil
- septic tanks - active promotion of waste breakdown
- recycling animal waste
- adding to potting soils, and seed raising mixes
- accelerating breakdown in existing compost heaps and/or bins
- adding to worm farms

### WHAT IS ECO BOKASHI FERMENTATION?

Fermentation is a process of treating organic waste which uses anaerobic (organisms that do not require oxygen for growth) microbes. It is similar to the process of pickling. Imagine a pickled onion, it still looks like an onion, although the cellular structure has changed completely.

The advantages of this process are the quick and easy management of food waste, reducing organic food waste going to landfill. This directly reduces further greenhouse gas emissions by retaining carbon and reintroducing it into soil - the creation of a usable nutrient rich end-product.

### Directions:

1. **Eco Bokashi** is used in conjunction with **Eco Bucket** (Refer to **Eco Bucket** Product Information Sheet)
2. On average spread a layer (approximately 75-100mls or 1/3 cup) of **Eco Bokashi** over untreated organic waste at the end of each day.
3. Use a masher to compact waste.
4. Reseal **Eco Bucket** lid.

### Storage:

1. Reseal **Eco Bokashi**, container.
2. Store below 30°C.
3. Store out of direct sunlight and it will last up to 6 months after opening.

\* Available in 1.5 Litres, 5 Litres and 20 Litres.

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