



MCGEE & DURRANI

SUSTAINABLE
FOOD WASTE SOLUTIONS



Join The Circular Economy

Company number 16377643
www.mcgeedurranicosnutling.com



SUSTAINABLE
FOOD WASTE SOLUTIONS

Introducing our Biogesters.....

We are an innovative food waste reduction consultation company.
In partnership with Ecobia

We sell and service Aerobic Food Waste Digesters to the Retail,
Hospitality and Food Services markets.

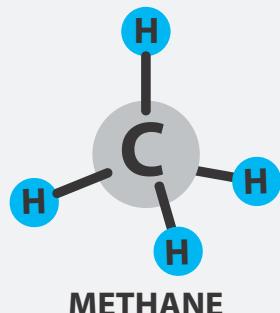


Our Biogesters are designed to turn your food waste into a nutrient-rich soil enhancer.

We are committed to turning your food waste into a resource



Diverting From Landfill & Recycling Food Waste



Keeping organic materials out of bins and away from landfills is hugely beneficial for the environment. When these materials decay in your bins and landfill, methane and carbon dioxide are released into the air, which is harmful to the environment and contribute to climate change.

Food Waste contains a range of essential nutrients, these are lost when sent to landfill. Our Biogenerators process food waste, retaining these nutrients in the soil enhancer (*ecosoil+*). The *ecosoil+* is then used to replenish soil that has been excessively harvested. Replacing the nutrients that help encourage strong growth.

The Problem?

Any business (or home) which produces food waste will know that disposal options are becoming increasingly expensive and cumbersome.

We end up with yards or areas full of unsightly & unpleasant smelling food waste bins. These spaces can then unfortunately attract pests. In addition, we depend on polluting trucks to take away our food waste. Most current food waste systems are wasteful and in turn lead to further problems such as:

- Unpleasant bad odours which in turn attract
- pests Increasing waste management costs
- Increased methane emissions, a potent greenhouse gas that contributes to climate change

- Loss of valuable nutrients from our ecosystem
- Business responsible for a bigger, more harmful carbon footprint





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Benefits To Your business



- Reduce Co2 emissions and become a greener business by diverting waste from Landfill
- Produce a nutrient rich end product from your food waste
- Carbon is stored in the digestate and returned to the ground through our product, where it belongs
- Cleaner emissions - remove the unnecessary transportation of food waste by large collection vehicles
- Increase 'pest free' yard space

Soil Health Benefits

Did you know that 10% of the world's soil produces 100% of the world's food?



Unsustainable agricultural practices such as excess harvesting far exceed the rate of soil replacement production. Valuable nutrients such as phosphorus are not being replenished as a result.

The tillage of agricultural lands, a process where the soil is broken up into finer particles has been exacerbated in modern times due to mechanical agriculture machinery that enables deep ploughing and this greatly increases the rate of soil erosion.

Ecosoil+ Benefits Include:

- Increasing organic matter content
- Increase the soil's water retention ability, reducing the need for irrigation
- Reduce soil erosion and nutrient runoff
- Reducing the need to apply chemical fertilizers and pesticide



How Biogesters Work



Empty your food waste into the Ecobia digester.

Our Digester aerobically breaks down your food waste through its cycle.

The waste is broken down with the help of our proprietary enzymes activated by the heat within the biodigester chamber. The waste mass is reduced by up to 85%



The remaining is a usable clean organic soil enhancer (*ecosoil+*)

The *ecosoil+* will not need to emptied daily. Our machine will notify when it needs to be removed.

ecosoil+ can be removed to an Ecobia bin for free collection.



Our Products



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HB0020

895mm (L) x 545mm (D)

x825mm (H) 20kg per day

Single Phase 220v

20-25 kg/day

9000kgs per year

APPLICATIONS

Small Restaurants

Small Supermarkets

Delicatessen

O ices

HB0050

1200mm (L) x 710mm (D)

x 960mm (H) Single Phase

220v 50 kg/day 18000kgs

per year APPLICATIONS

Large Restaurants Large

Supermarkets

Delicatessen O ices

Blocks

And many more...



HB00100

2050mm (L) x 1200mm (D)

x1425mm (H)

Three Phase 380v

100kg per day

100 kg/day

36,000kgs per year

APPLICATIONS

Large Restaurants

Hotels

Large Supermarkets

Hospitals

Nursing Homes

Large O ices Blocks



Our Products



HBO200

2400mm (L) x 1665mm (D)
x1820mm (H)
Three Phase 380v
200 kg/day
72,000kgs per year

APPLICATIONS

Large Restaurants
Large Hotels
Large Supermarkets
Hospitals
Colleges
Nursing Homes
Large O ices Blocks



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