



Reducing Food Waste Collection Costs - Biolan 500



Handling an estimated 4½ tonnes of food and garden waste per year

Our Solution

To process all of the Centre's food and garden waste onsite we suggested the **Biolan 500 Litre Insulated Hot Composter**.

The unit was quick to install and was even placed on a slight backwards incline to allow the nutrient-rich liquid fertiliser to be collected from the rear drain. It is compact, fully enclosed and also provides a robust, rodent-proof solution for the Centre's busy café and community environment.

Unlike traditional, single wall compost bins, the Biolan 500L uses a patented internal air ducting system to maintain rapid aerobic composting without the need for regular turning of the mass. Its insulated construction retains heat throughout the year, allowing food waste to break down quickly while eliminating unpleasant odours, and producing nutrient-rich compost for use across the site's gardens and community nursery. The level of air intake can be easily adjusted and the internal heat monitored via the front-mounted temperature gauge. With internal temperatures typically ranging from 40° to 60° C the garden centre soon learned that the unit was also able to rapidly destroy invasive perennial weeds and thistles.

The high composting temperatures generated by the unit have even inspired plans to investigate heating the centre's greenhouse during the winter months.

TESTIMONIAL

Chrissie Storry, CEO, Ardagh

"The Biolan Hot Composter has completely turned the tide on our waste management, and we believe it has returned our investment within 6 months alone, by cutting out commercial collection costs."



"Rustic" food collection bins



Emptying compost - inbuilt hatch



Nutrient-rich compost



Compost used on site

Scope of Project & Location

With hundreds of weekly visitors, the Ardagh Centre's busy café and event schedules generate substantial amounts of food waste - including such items as pastries, cakes, and vegetable peelings, lots of vegetable peelings!

Project Challenge

With a busy café, forest school and regular community events, Ardagh Community Centre generated large volumes of food waste every week. Although the site was using an older composter, it was inefficient and unable to process the volume of material being produced, meaning around 50% of the Centre's food waste still required costly commercial collection.

Traditional composting methods (open plan or poorly sealed) also presented concerns around rodents and pests, prompting the centre to look for a faster, fully enclosed composting solution that could safely process all of its food waste onsite.

Equipment Provided

- 500 litre Biolan Insulated Hot Composter

Interested to learn more? Please contact us using the details below ↓