

On Site Composting Systems

Collection Strategies for Source
Separated Organics

On-Site Composting Systems

Collection Strategies for Source Separated Organics

Order of Presentation

- Carts
- BiobiNs
- Earth Tubs
- Earth Bins
- Rocket Composters
- Brome Composters
- Big Hanna Composters
- Q & A



Food Scraps Container to the Cart

Cart/Garbage Truck Collection Systems

- Most common system: cart collection 35 to 65 gallon capacity
- Collection twice weekly, three times in summer
- Requires regular cleaning



Onsite Commercial Food Waste Management Options: Food Waste Collection Carts





Cart Collection at Restaurants

Onsite Commercial Food Waste Management Options:

Food Waste Collection Carts



Introducing: The BiobiN[®]

- G-PET Funded Niche Recycling for Technical Assistance
- Niche Recycling compiled information for commercialization for the product
- PENN provided matching support for purchase and installation



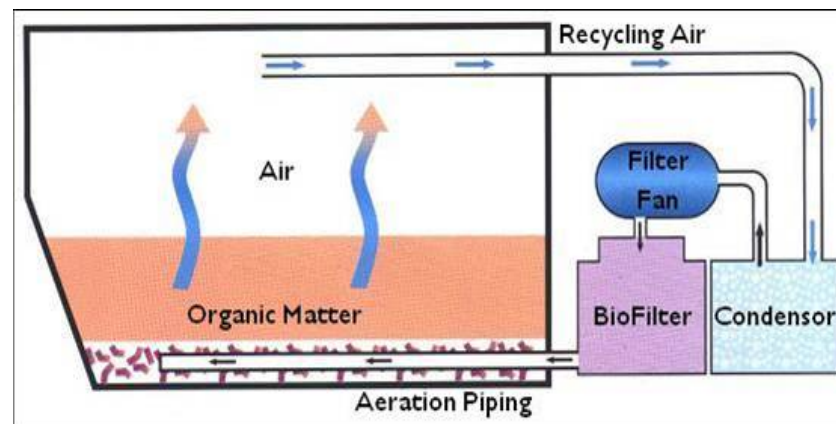
BiobiN: Ideal for Shared Tenant Use

- Bulk food waste collection for off site processing
- Designed to control odors and vermin
- Operation compatible with property management procedures
- GPET Grant provided pilot opportunity; success would be replicated on-campus

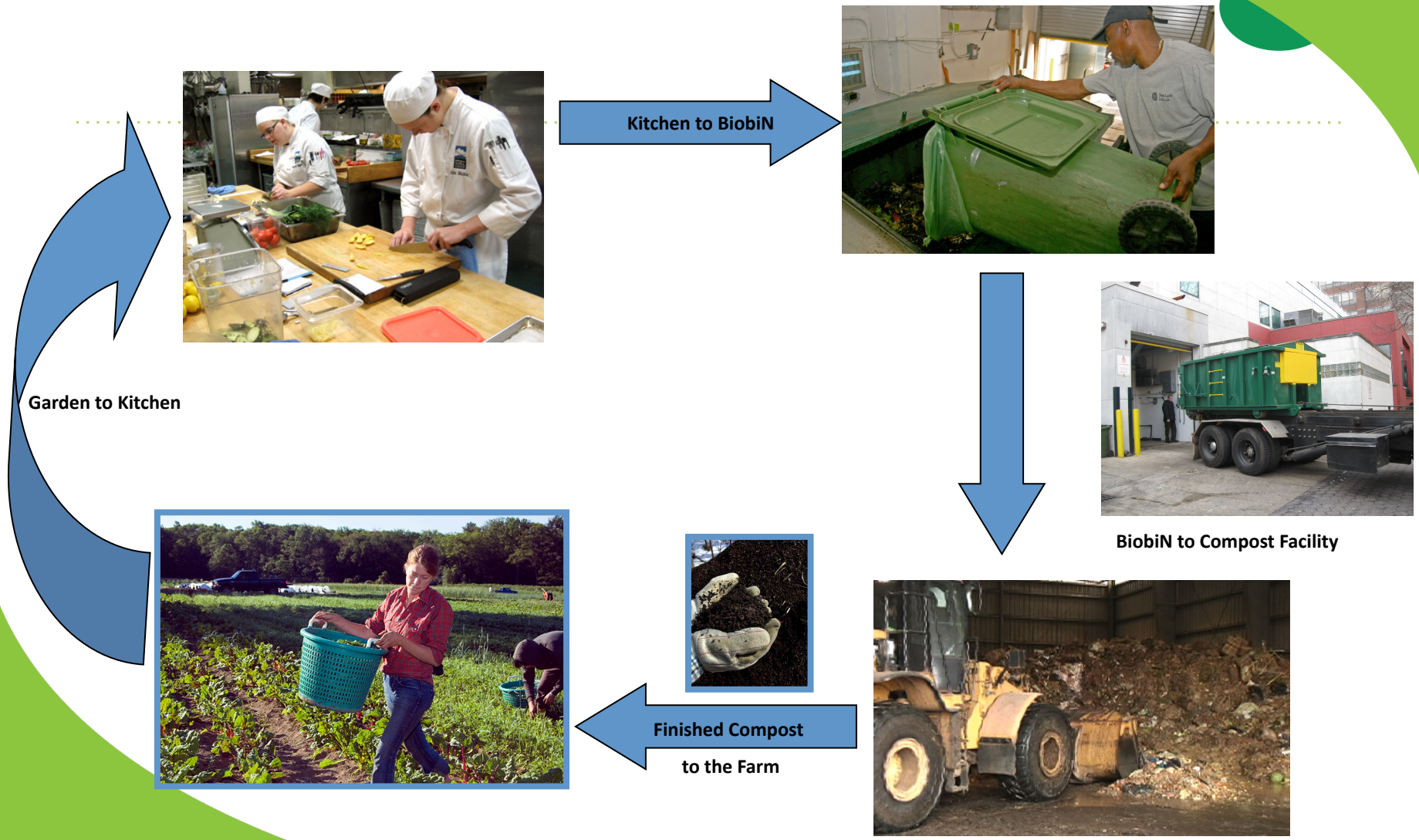


The BiobiN[®]: How it Works

- Biofilter circulates air through food waste, wood chips, and condenser in closed loop filtration system.
- Air tight design promotes aerobic conditions that control odor
- Organic material stored up to six weeks before delivery to a compost facility



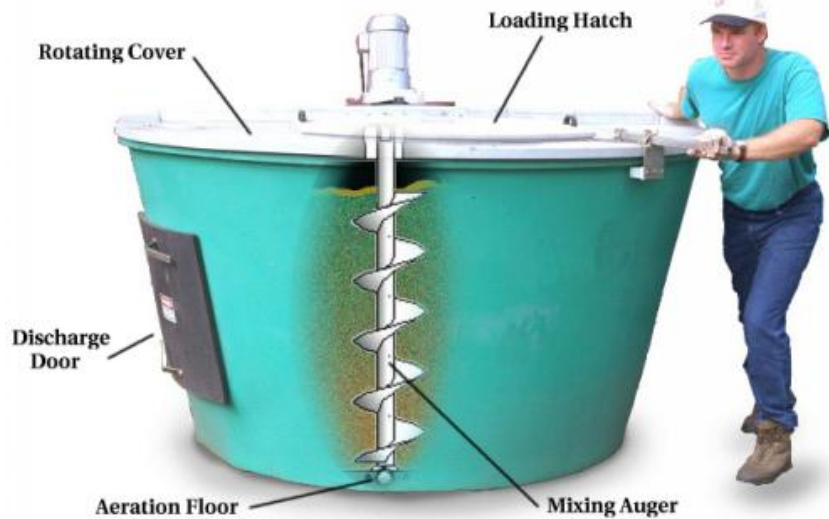
Moravian Court –Second Generation Composting The BiobiN



Biobin at WAWA



Onsite Commercial Food Waste Management Options: Earth Tub In-Vessel Composting System



Green Mountain Technologies, Inc.
The Organic Recycling Company

Niche Recycling, Inc.

Onsite Commercial Food Waste Management Options: In-vessel Composting – Earth Tub

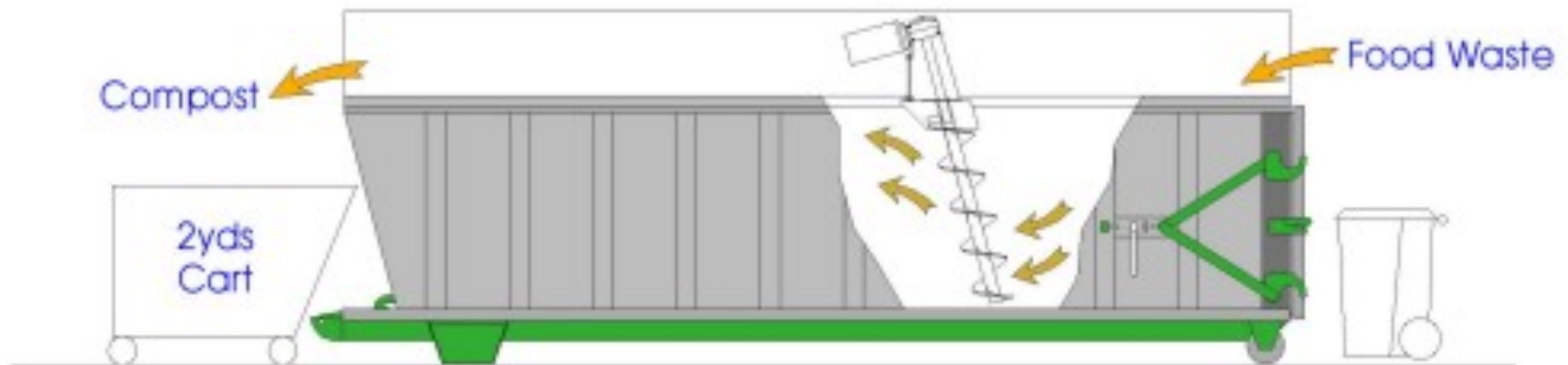




The Earth Bin

Green Mountain Technologies Next Generation Product

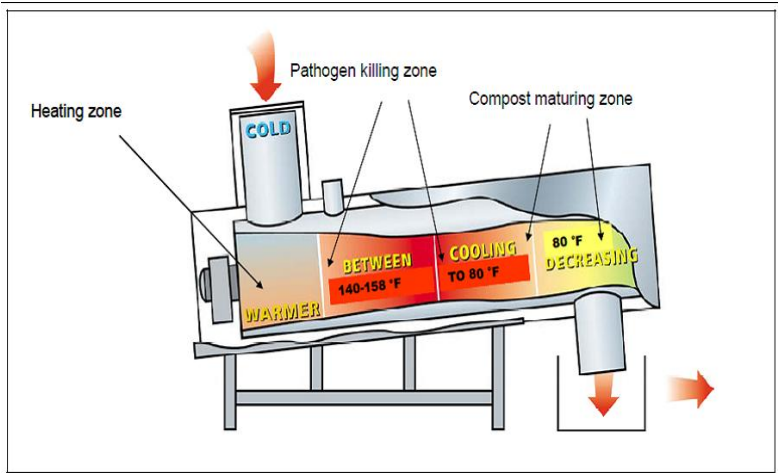
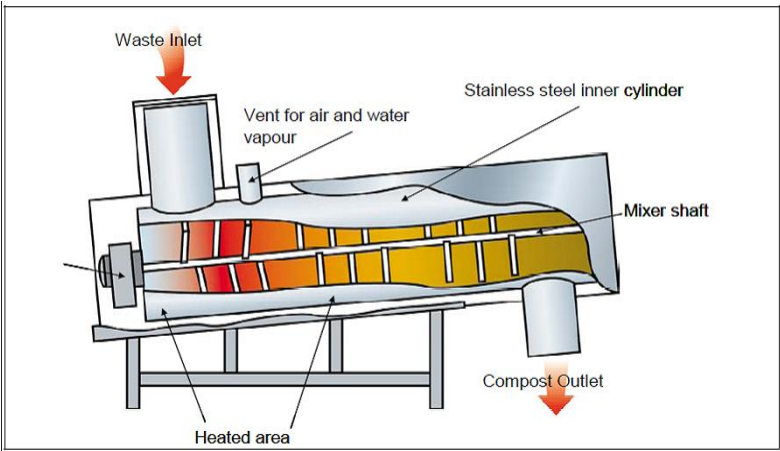
- In-vessel, automated, continuous feed
- Up to 2 tons/day
- Cure compost off-site



West Irondequoit School District's Earth Bin



Onsite Commercial Food Waste Management Options: Rocket Composter

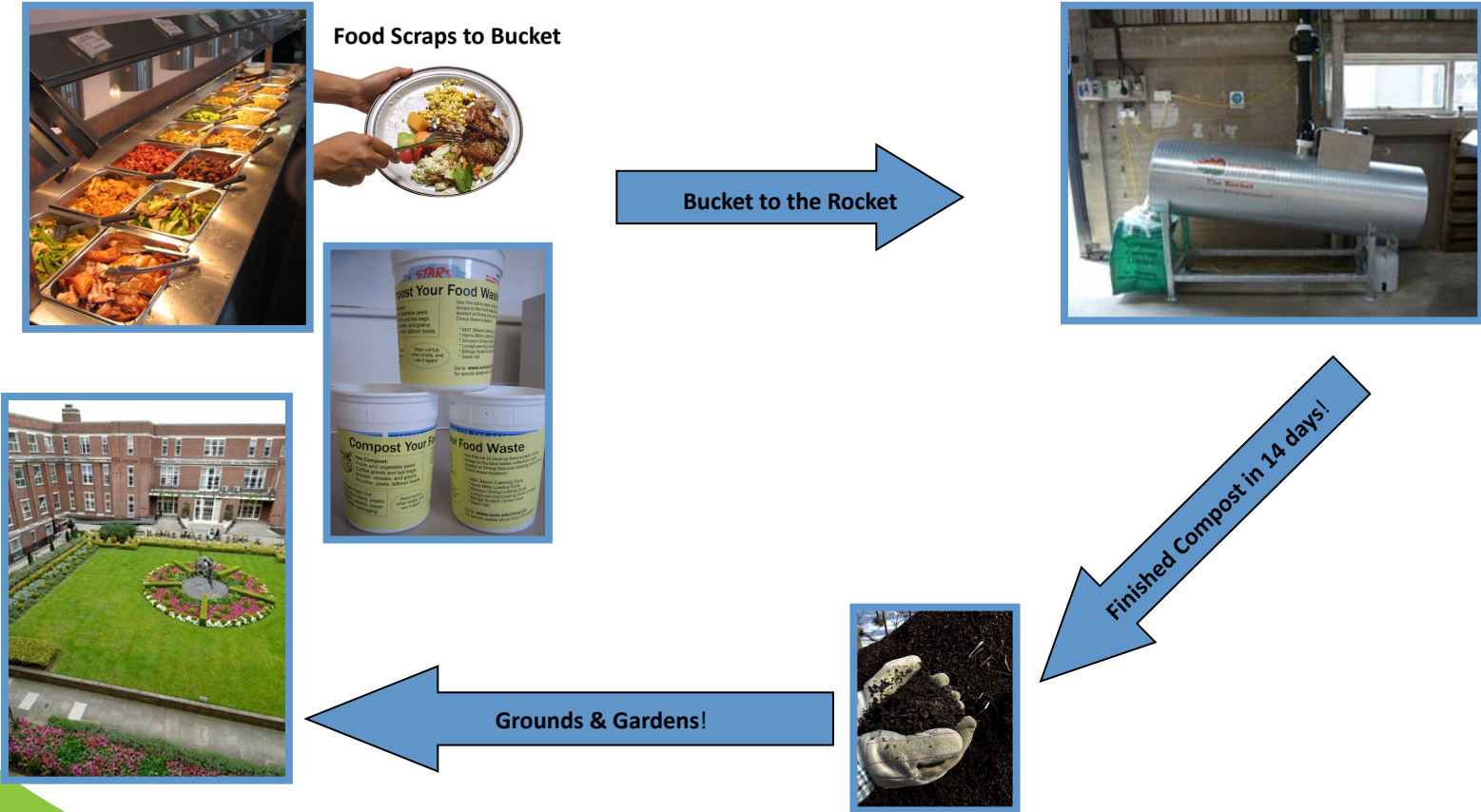


Onsite Commercial Food Waste Management Options: Rocket Composter at Regents College



Central London UK

Onsite Commercial Food Waste Management Options: Rocket Composter



Brome Composter

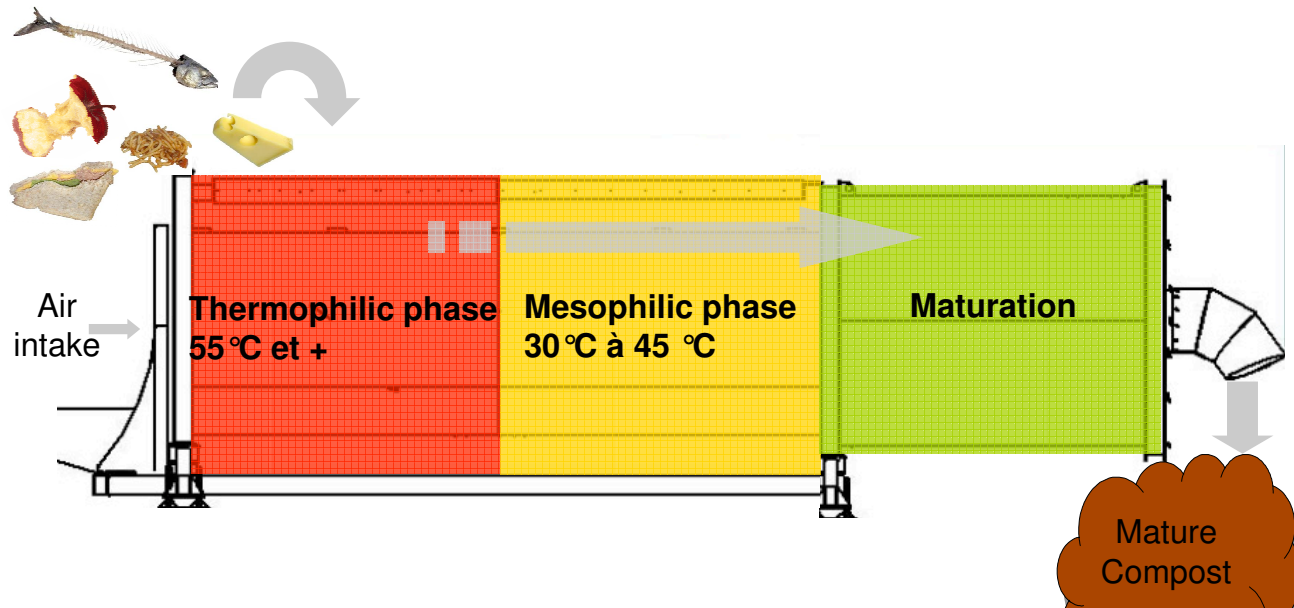


Brome Composter



Brome Composter: How it Works

How the Brome composter is working
Maturation inside the composter*



*The compost should mature 1 month outside the composter before use

Big Hanna In-vessel Composter



Big Hanna In-vessel Composter

Ladysmith Junior School

Devon, UK



Big Hanna Composter:

How it Works

