

## Benefits of Cured Compost:

1. Increase the soil's structure and ability to hold water and nutrients
2. Can reduce the need for pesticides by increasing the soil's biological activity
3. Offsets use of natural resources (e.g., peat moss) for mulch
4. Diverts valuable organic materials from landfills
5. Adds organic matter and nutrients to soil, reducing the need for chemical fertilizers
6. Encourages slow release of nitrogen and lowers the carbon to nitrogen ration, making nitrogen more available to plants
7. Kills pathogens and weed seeds
8. Prevents soil erosion



## Clean Green Composting

Our In-vessel composters come in 5 foot sections. You can get the length needed for your farming needs. Each section consist of a 5 foot stainless steel drum sitting on sealed bearings with steel rollers mounted to a steel I-Beam frame. The machine is driven from the front and rolls on the rollers.

Inside the drum are stainless steel flighting and baffles to move the material down the drum. There is a temperature probe inside for monitoring the heat to make sure it's getting the desired temperature.

Also, inside you will find an air injection system that pushes the air from the intake end. Pushing air through the material will speed up the composting time.



# Clean Green Composting

## Simplified Solutions for Animal Mortality



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## Why Composting is a Good Choice

### Bio-secure

Composting allows immediate year-round disposal of carcasses so that disease is not spread. There is no entry of off-farm vehicles that can bring disease onto the farm from other operations, and the high temperatures in the compost pile kill pathogens.

### Environmentally sound

A properly functioning compost pile gives off little odor and does not harm or affect ground water. Composting turns a waste into a beneficial fertilizer and soil amendment, resulting in on farm nutrient recycling.

### Cost effective

Composting has low to moderate startup costs and minimal operating costs.

### Easy to accomplish

Composting requires only good management and minimal training. It utilizes readily available organic materials.

## Changes in Materials During Composting

By the time composting is complete; the material becomes more uniform and less active biologically. The material (humus) becomes dark brown to black in color. The particles reduce in size and become consistent and soil-like in texture. The volume and weight of materials are reduced due to loss of carbon dioxide and water to the atmosphere and to bulky raw materials changing into crumbly, fine-textured compost.



Compost Discharge Cone



Control Panel

## In-Vessel Composting

A process in which compostable material is enclosed in a drum, silo, bin, tunnel, reactor, or other container for the purpose of producing compost, maintained under uniform conditions of temperature and moisture where air-borne emissions are controlled. In-Vessel composters use a forced aeration and/or mechanical agitation to control conditions and promote rapid composting.



Side view of 20 ft Clean Green Composter