

Clean Green Composting



Simplified Solutions for Animal Mortality



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.



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.



Compost Discharge Cone



Control Panel



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 available to plants.
7. Kills pathogens and weed seeds.
8. Prevents soil erosion.



Clean Green Composting

Our In-vessel composter comes in 5 foot sections and can be extended to ensure you are able to get the correct length for your operation. Each section consists of a 5 foot stainless steel drum sitting on two 6" vulcanized rollers on a constructed steel frame. The rollers slowly turn the drum with a gear-reduction motor.

Inside the drum is 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 find a snorkel system that pulls the air from the discharge end. Pulling air through the material will speed up the composing time.



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