

Weekly Newsletter
from Agresource Inc.
for turning waste into
opportunity

Commercial Composting

Commercial composting is a large-scale process that transforms organic waste into nutrient-rich compost using controlled conditions. It is faster and more efficient than home composting due to optimized temperature, aeration, and microbial activity.

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"The environment is where we all meet; where we all have a mutual interest; it is the one thing all of us share." — Lady Bird Johnson

Three common commercial composting methods

Composting Methods

There are three common commercial composting techniques:

A. Windrow Composting

- Organic material is piled into long rows ("windrows").
- These rows are turned regularly to maintain aeration and even decomposition.

B. Aerated Static Pile (ASP) Composting

- Organic waste is piled into large stacks with perforated pipes underneath.
- Air is actively pumped through the piles, reducing the need for manual turning.

C. In-Vessel Composting

- Waste is enclosed in a drum, silo, or container.
- Temperature, moisture, and aeration are tightly controlled for rapid decomposition.

Benefits of Commercial Composting

Standard commercial composting techniques are essential for efficiently managing organic waste, reducing landfill use, and lowering greenhouse gas emissions.

By controlling temperature, moisture, and aeration, these methods accelerate decomposition, ensuring the production of high-quality compost that enriches soil and supports sustainable agriculture.

Additionally, commercial composting helps recycle food scraps, yard waste, biosolids and biodegradable materials on a large scale, reducing environmental pollution and promoting a circular economy.

