

# Backyard Composting

## Nature's Way of Recycling



A guide to backyard composting in Bergen County



**F**or millions of years nature has recycled its own organic waste through a process known as composting. One walk through the woods and this dynamic process can be seen in action. The leaves that have fallen during the autumn and have accumulated are slowly composting into the soil that nourishes the plants and trees that grow from the forest floor. Composting is nature's way of recycling.

Bergen County homeowners are already recycling materials such as newspaper, plastic, glass and aluminum. However, many residents don't realize that leaves, grass clippings, and other yard wastes can also be recycled.

In 1987, New Jersey passed the Mandatory Source Separation and Recycling Act. Among other initiatives, this act prohibited the disposal of leaves at any solid waste facility in New Jersey. As a result, many municipalities collect leaves from residents and compost them at their own municipal compost facilities or ship them to private compost facilities, all at a high cost to the taxpayer. However, there's an easier and more economical way—BACKYARD COMPOSTING.

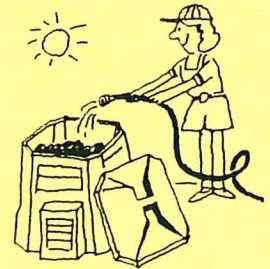
By composting leaves and other vegetative and organic waste in your own backyard, you can help your municipality save money and create a rich compost that can be used for potting soil, humus and other garden applications. This guide was created to familiarize you with the methods and procedures of backyard composting so you can begin to compost on your own.

### Why Compost?

- ◆ Composting is the most practical and convenient way to handle your yard wastes.
- ◆ Compost improves your soil and the plants growing in it.
- ◆ If you have a garden, a lawn, trees, shrubs, or even planter boxes, you have a use for compost.

### How Do I Compost?

Composting your leaves, grass, yard waste and other organic material is easy. The Bergen County Utilities Authority, as well as many garden centers and hardware stores sell ready-made compost bins made from plastic or wood. However if you don't want to buy a compost bin, one can be made easily.



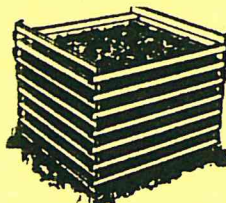
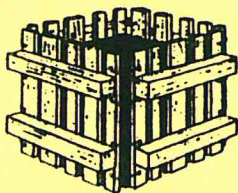
Ready-made compost bin

A homemade compost bin can be fashioned from chicken wire, snow fence, wood pallets, or scrap wood.

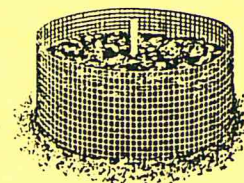
### How Does Composting Work?

Composting is the biological degradation of organic matter. All organic matter has certain bacteria, fungi, and other living critters that live on and around it. These organisms eat the organic matter and break it down to a material called compost. This process happens to all organic material. However, the process can take place at a slow or fast rate, depending upon how the organic material is prepared for composting.

Homemade compost bin made from wood pallets



Homemade compost bin made from wood scraps



Homemade compost bin made from chicken wire, snow fence, or chain link fence.



## A Recipe for Composting



The types of material you use in your compost bin will determine the quality of the finished product. The following recipes

will ensure that your composting process will produce the highest quality compost.




### Ingredients

#### Brown Material

-  Leaves
-  Twigs
-  Sawdust

**DO NOT USE:**  
MEAT SCRAPS, CHEESE,  
BONES, FAT OR SAUCES

#### Green Material

-  Fresh Grass Clippings
-  Flowers
-  Vegetable and Fruit Peelings

### *Slow Compost Recipe*

Ready in 6-18 months

#### Ingredients

Brown Material  
Green Material  
Water

Compost can be made simply by adding layers of available "fresh" yard waste to a bin over a period of several months or even years.

#### **Directions:**

1. Set the compost bin where it is sure to get rained on. (Remember to leave the bin uncovered.) You can also water it like you would a plant. Be careful not to oversaturate it. Keep pile as wet as a well wrung sponge.
2. Put your BROWN and GREEN material in your bin. In 6 -18 months, the material at the bottom and center of the pile should be composted.
3. Remove the finished compost. Use the uncomposted material to start a new batch.

### *Fast Compost Recipe*

Ready in 5-15 weeks

#### Ingredients

Brown Material  
Green Material  
Water

The fastest way to make compost is to build a "hot" pile in a heap, or compost bin. This method requires frequent turning of the pile.

#### **Directions:**

1. Put your BROWN and GREEN material in your bin and add water.
2. Turn the pile twice a week. Be sure to keep pile moist.
3. Any material not decomposed after 5-15 weeks can be used to start a new cycle.

## Trouble Shooting

Symptom	Problem	Solution
Rotten Odor	excess moisture material tightly packed	turn pile, or add dry, porous material; turn pile, or make pile smaller
Ammonia Odor	too much nitrogen	add high carbon material, such as sawdust, wood chips, or straw.
Pile is dry	not enough water; too much woody material	turn and moisten; add fresh green waste
Pile is wet but not composting	lack of nitrogen	add fresh green waste

**BCUA Environmental Programs Hotline**  
**201-807-5825**

## Compost Uses

**MULCH:** Spread compost around annual plantings, trees, shrubs, and exposed slopes. This will smother weeds, protect soil, and keep roots moist.

**SOIL CONDITIONER:** Mix several inches of compost into garden beds or soil surrounding new trees and shrubs before planting.

**POTTING SOIL:** Make your own potting soil mix by using equal parts of compost and sand or soil.

The BCUA offers residents the opportunity to purchase backyard compost bins (EARTH MACHINES) at a reduced rate throughout the year. Call the BCUA Environmental Programs Hotline at 201-807-5825 and schedule an appointment.

