

# Greenco Environmental, LLC



Food Waste Composting

# Greenco Environmental

- Greenco Environmental aspires to become the premier organic recycling company for the Southeast Region of the United States, utilizing food waste, agricultural waste, yard waste, and wood waste to create high quality compost and other landscaping products.
- Greenco will be the first commercial food waste composting operation in the state of Georgia.

# What is Compost?

Compost, by definition, is an organic soil conditioner that

- has been stabilized,
- is free of viable human and plant pathogens and plant seeds,
- does not attract insects or vectors,
- can be handled and stored without nuisance,
- is beneficial to the growth of plants

(Haug, 1993).

# How is compost utilized?

- Improvement of soil texture
- Promotion of new plant growth
- Suppression of some plant diseases
- Prevention of soil erosion when used as cover for seeded grasses

The background is a solid green color with a pattern of stylized, overlapping leaf shapes in a slightly darker shade of green. The leaves are arranged in a way that creates a sense of depth and texture.

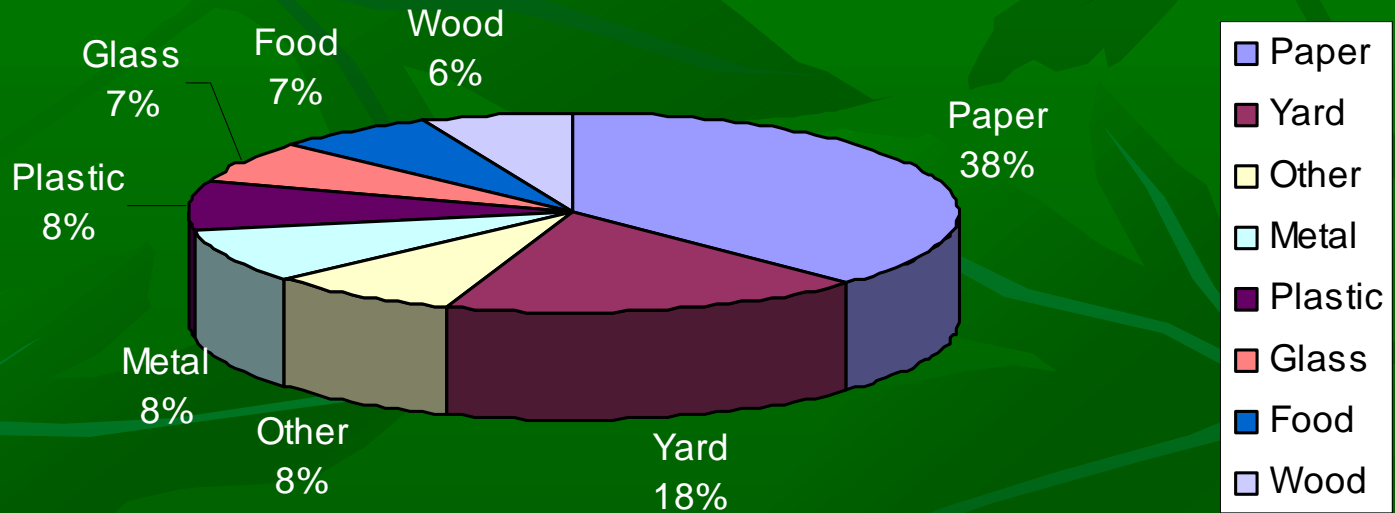
# **Market Profile**

# State of Garbage in America

## BioCycle 2004 Georgia Data

- 8,142,378 tons of waste (MSW only)
- 1.1% Waste to Energy
- 8.3 % Recycled (44 out of 50)
- 90.6% MSW Landfill

# US Landfill Data



# Food Waste Generators

- **Food processing industries**
- **Meat and seafood industries**
- **Fruit and vegetable industries**
- **Bakeries**
- **Animal feed industry**
- **Mixed food industry**
- **Supermarkets**
- **Food services industry**
- **Hospitals**
- **Military installations**
- **Nursing homes**
- **Prisons**
- **Restaurants**
- **Schools, Universities, and colleges**
- **Residential**





# Types of Food Waste

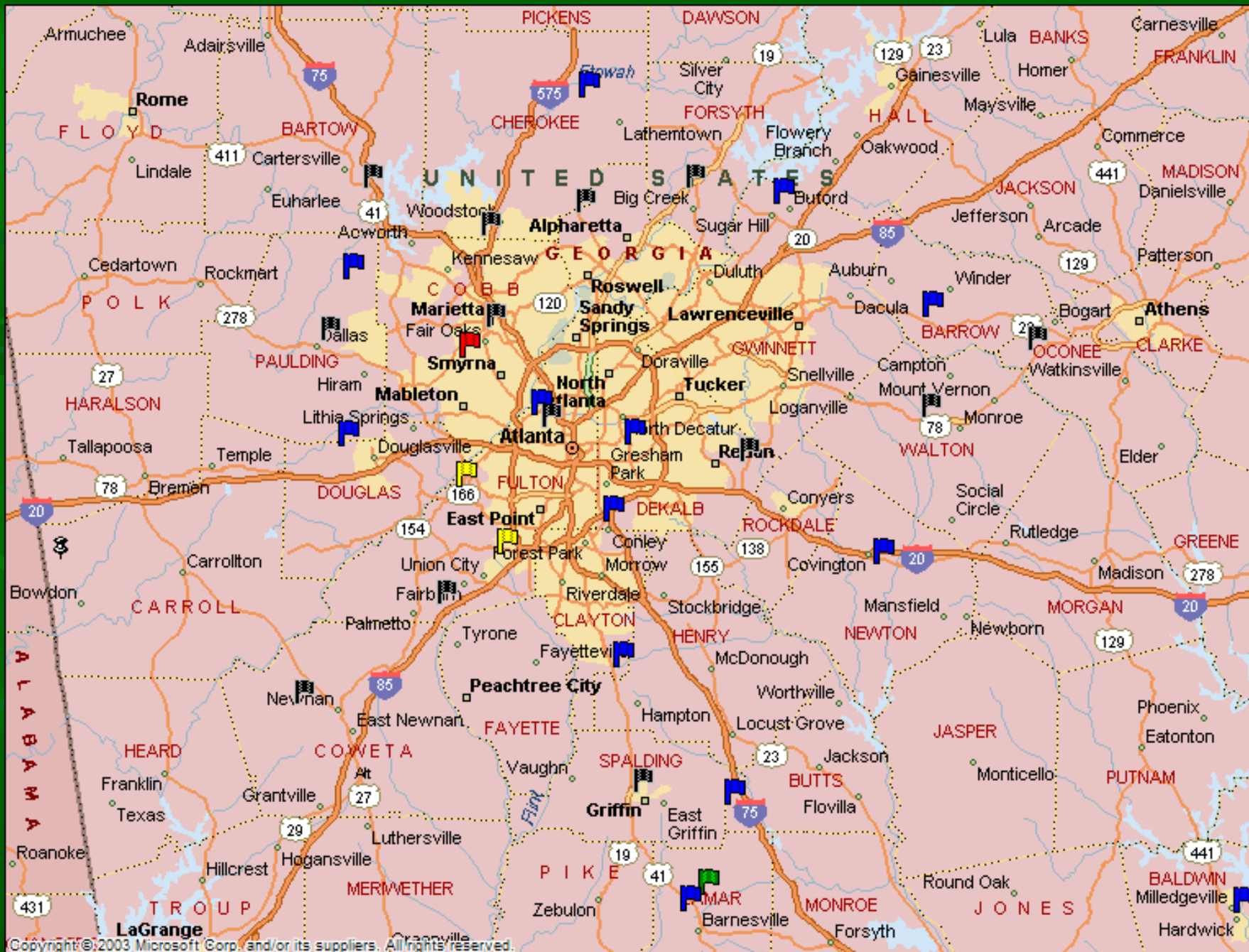
- **Pre-Consumer vs. Post-Consumer Food Waste**
  - **Pre-consumer** food waste is the easiest to compost. This food waste is generally already separated from the rest of the waste stream generated (no contaminant).
  - **Post-consumer** food waste is more challenging because of separation issues (food scrap/with contaminant).

# Yard and Wood Waste Generators

- Landscape Companies
- Counties
- Municipalities
- Residential
- Land Clearing operations
- Wood Processing

The background is a solid green color with a pattern of stylized, overlapping leaf shapes in a slightly darker shade of green. The leaves are arranged in a way that creates a sense of depth and texture.

# Operation Plan



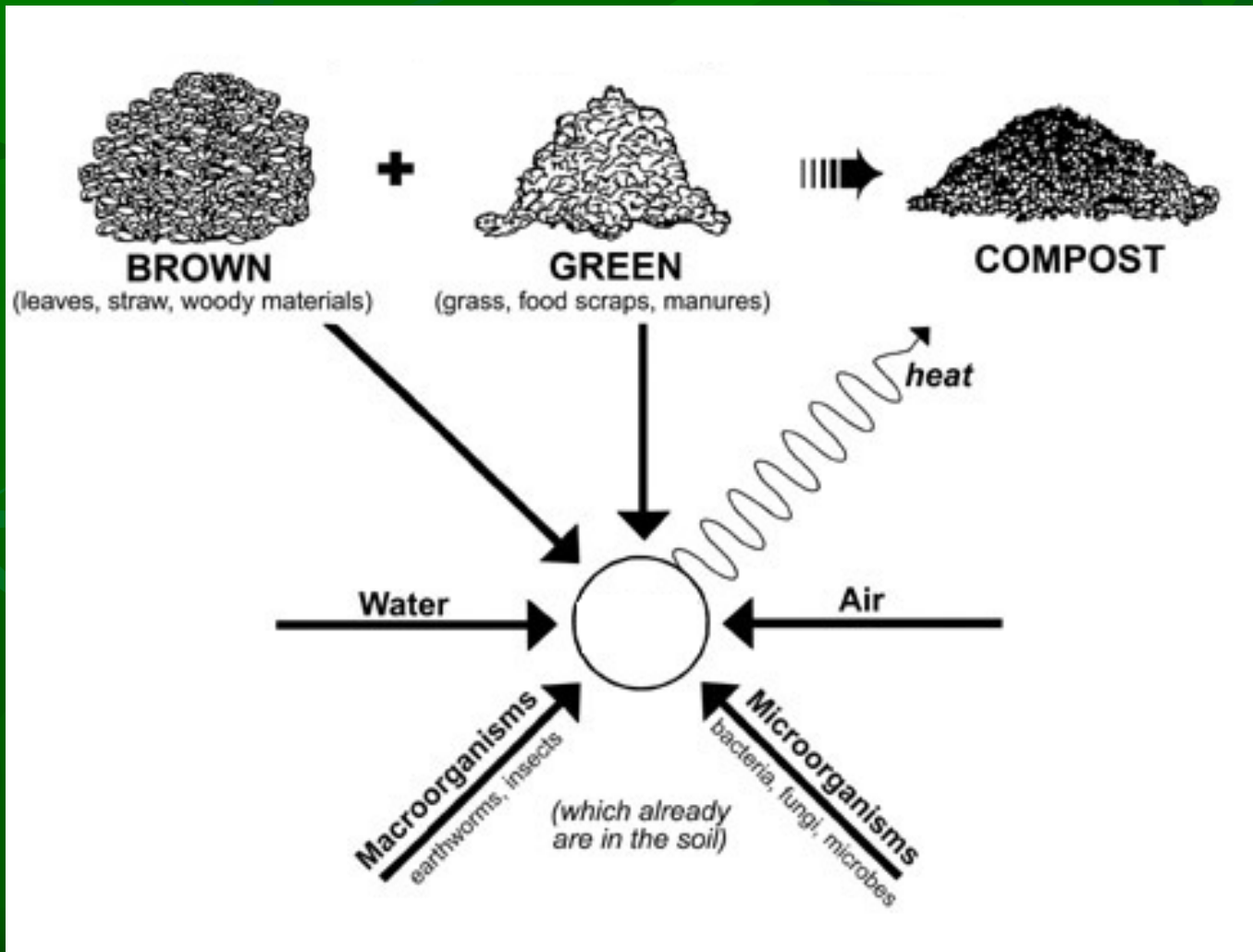
# Collections

- Collect food waste from large volume food waste generators
- Collect yard and wood waste from landscape companies and other similar waste generators

# Receipt and Disposal\*

- Receive food waste from local and regional haulers servicing food waste generators
- Receive yard waste and wood waste from local government entities as well as local and regional haulers and generators of yard waste and wood waste

# Processing & Manufacturing

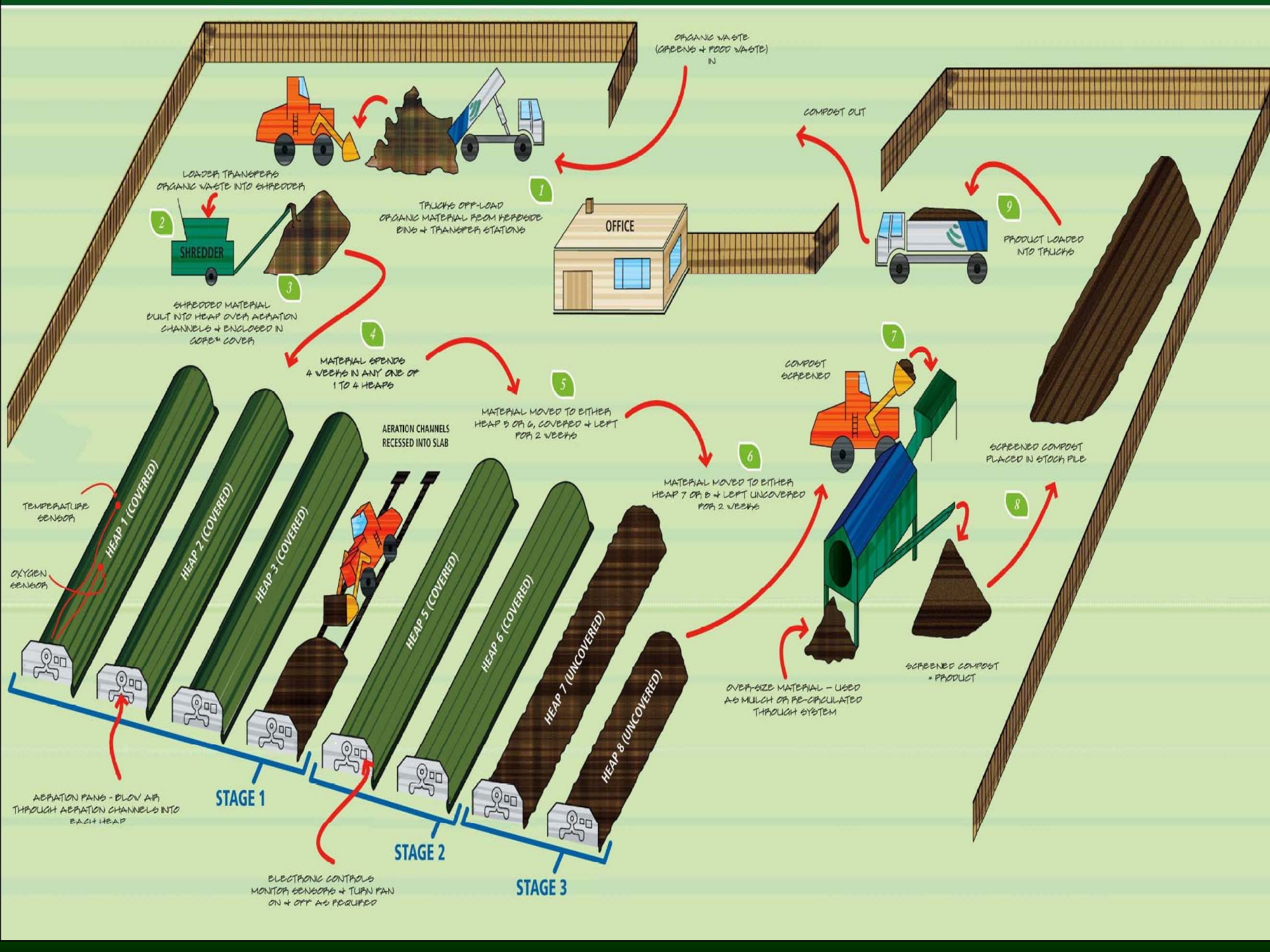


# Blending of raw materials

- Ground yard waste and wood waste mixed with food waste as it arrives
- Blended material assembled into 'windrows'

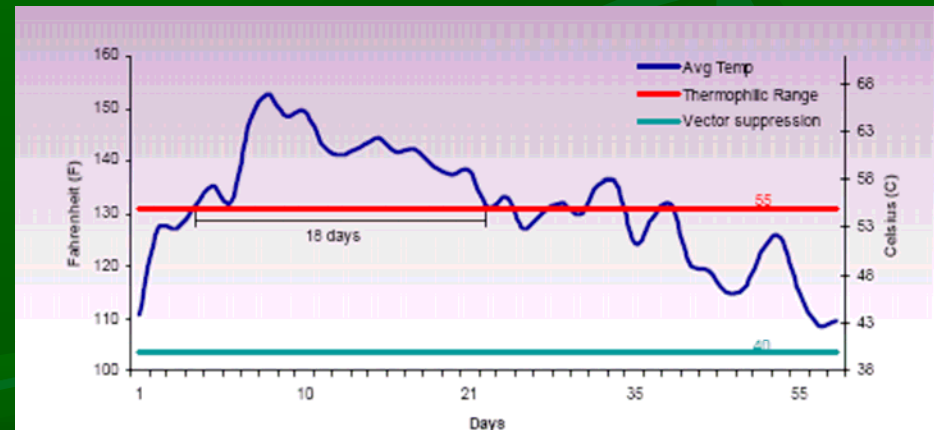






# Monitor Temperature

- Windrow temperatures will be managed for 60 days to exceed industry quality standards





# Permitting Process

- Local Permitting
  - Zoning
  - Statement of consistency
- Solid Waste Processing (EPD)
  - Site Suitability
    - Phase I
    - Phase II
    - Geological and Ground Water
  - Design and Operation
  - Facility Narrative
  - Financial Assurance
  - Site Visit

# Design and Operation Cont'

- Clear Land (20 acres)
- Level Land (1-3% Slope)
- Storm water retention pond
- Treat and Compact pad
- Office and Scales

# Construction

- Construction will commence upon approval from GA EPD
- Construction will take approximately 4 months
- Production of compost will begin immediately following construction completion

The background is a solid green color with a pattern of stylized, overlapping leaf shapes in a slightly darker shade of green. The leaves are arranged in a way that creates a sense of depth and texture.

# **Sales of Compost**

# Finished Compost

Compost will be sold

- Wholesale
- Landscape companies and landscape supply companies
- Agricultural
- Erosion control
- Nursery growers



# Compost & Potting Soil



## INGREDIENTS

This product is regionally formulated with organic materials (derived from one or more of the following: peat, forest products, aged rice hulls or compost), sphagnum peat moss, a wetting agent and fertilizer (see below).

In California and Texas, this product is formulated with forest products compost, compost, sphagnum peat moss, a wetting agent and fertilizer (see below).

NET WEIGHT 25 lb (11.34 kg)

Scotts Premium Garden Soil 0.08-0.05-0.05





greenenco