



Food Waste and Composting

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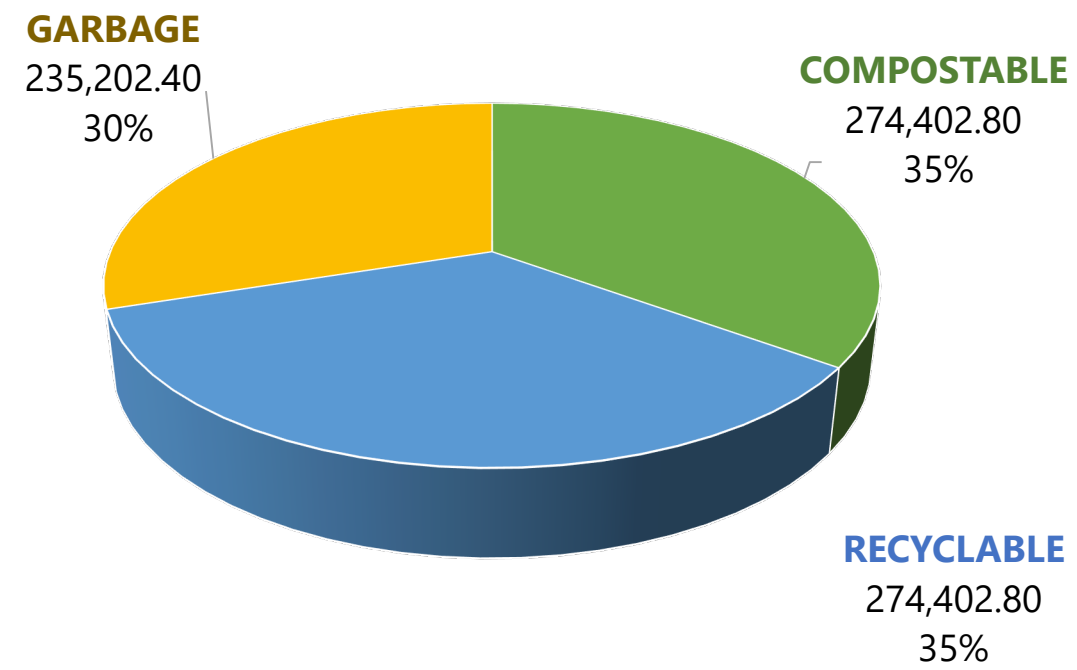


Fort Worth Food Waste

2014, Audited Landfill:
20+% is pure food waste
35% is compostable

2017, Finalized CSWMP:
Fort Worth Landfill filling rapidly

2018, China & National Sword:
↑ Cost of Recycling
↓ Value of Recyclables



Food loss vs. food waste

Food loss is edible food that goes uneaten at any stage, including:

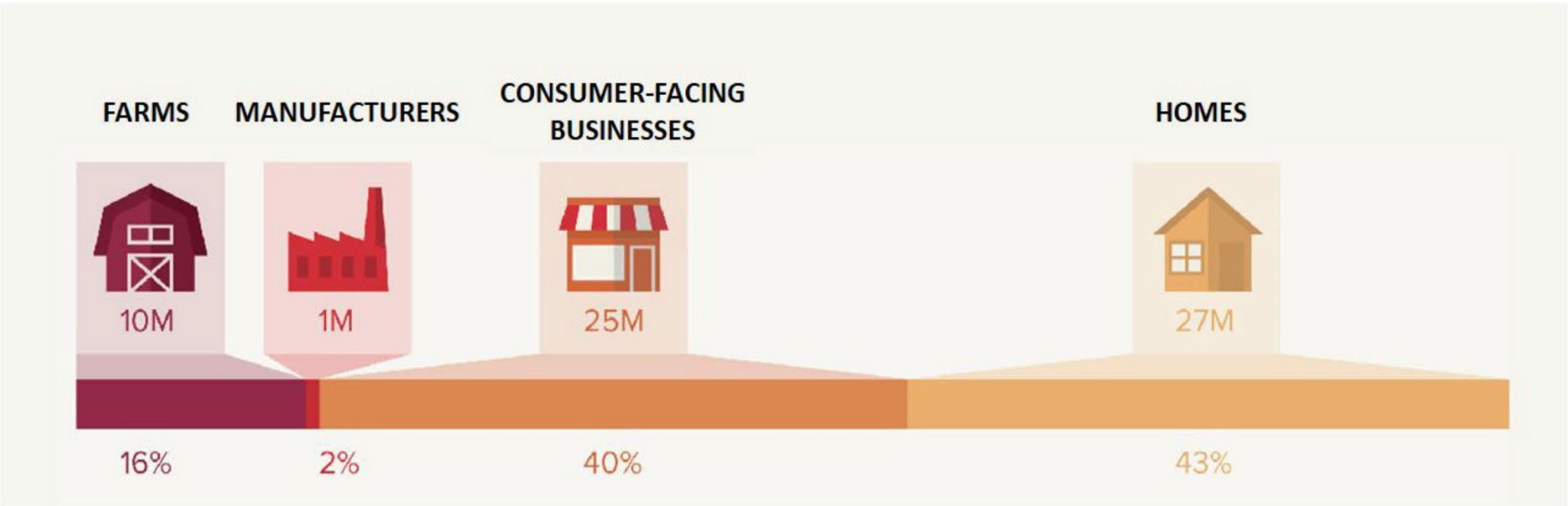
- Food uneaten in homes and stores
- Crops left in the field
- Food that spoils in transportation
- Food that doesn't make it to a store

Food waste is a specific piece of food loss, including:

- Food discarded by retailers
- Plate waste by consumers
- Half-eaten meal left on plate
- Food scraps from meal preparation



30% of US Food Goes from Farm to Table to Landfill



Food Wasted by Weight

30% of US Food Goes from Farm to Table to Landfill



Source: Foodprint.org

Main Causes:

Overbuying: cost/convenience

Poor planning: lack of meal plans or lists

Food spoilage: misjudged food needs

Date label confusion: sell by/use by/best by

Over-preparing: cooking/serving too much

Impact of Food Waste

Economic:

\$2.3+ billion spent each year to put
6,300,000,000 tomatoes in US landfills
(31% of fresh tomatoes bought by U.S. households)

\$1800 (21% of food bought)
How much the average person loses
each year from wasting food

\$300,000,000
How much Fort Worth residents spend
each year on wasted food



Impact of Food Waste



Environmental:

Methane

Traffic & transport pollution

Cardboard and plastic packaging

Loss of nutrients & microbial stability

25% of global fresh water use

What can we do?

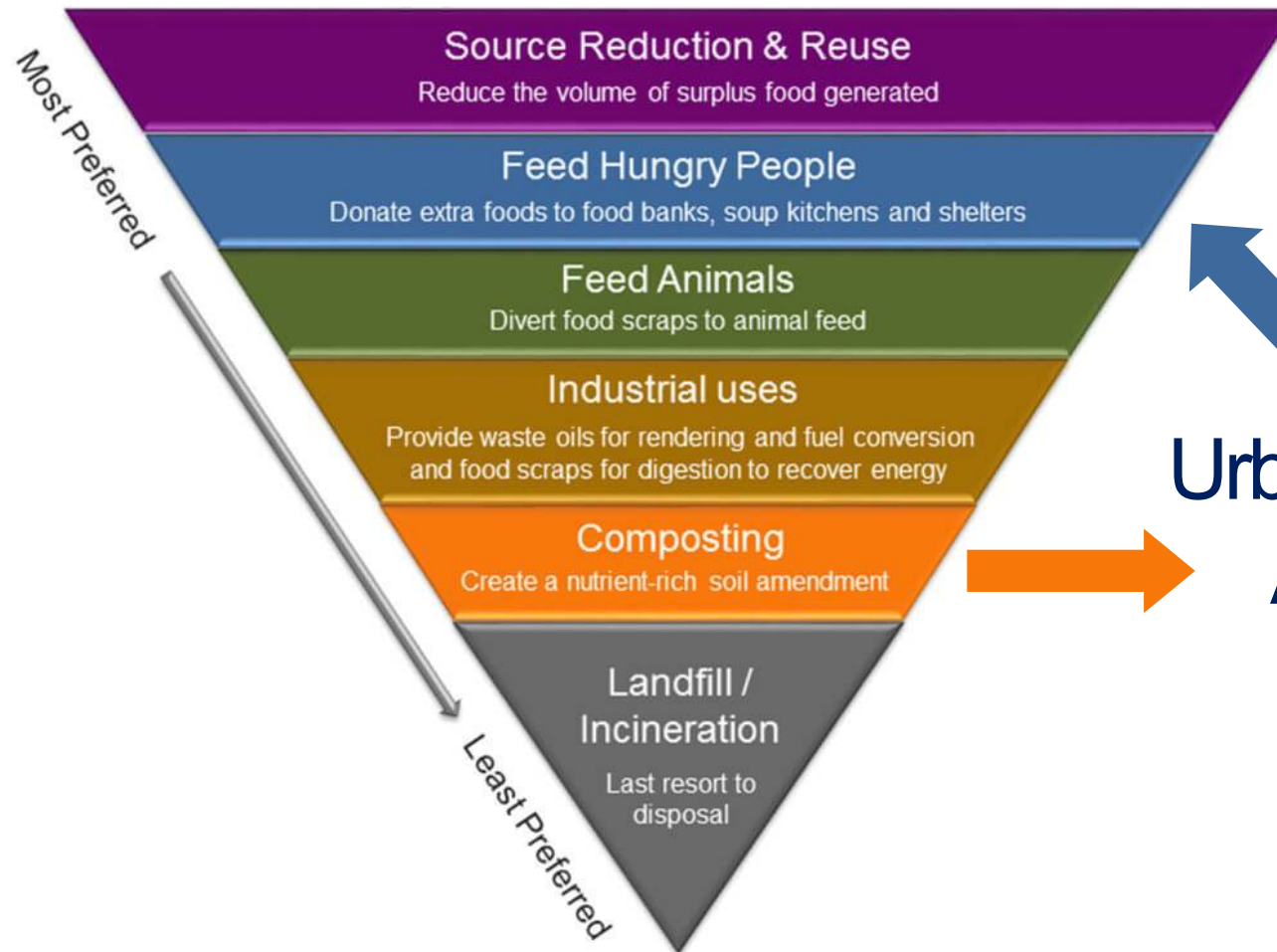
By making **small shifts** in how we **shop, store and prepare food**, we can keep the valuable resources used to produce and distribute food from going to waste

If we **reduce** the amount of food we buy, we will also reduce the amount of food produced and **wasted**.

Process food scraps and spoiled food into **compost**, a rich soil nutrient



Food Recovery Hierarchy



Urban and Small
Agriculture

What is compost?

“Composting” is beneficial rot; it’s the process of mixing and maintaining decaying organic matter until it has fully decomposed into soil.

When composted, food waste is diverted from your garbage cart and helps extend the life of the City’s landfill.



Benefits of composting food scraps

Better food, better gardens, and a greener Fort Worth!

- Compost creates naturally rich soil and delivers nutrients in a form that plants can use
- Brings depleted or dead soil to life by feeding it
- It reduces need for fertilizer, and lowers water usage

Breathe healthier air

- Prevent excessive methane greenhouse gas emissions into our air, from the decomposing food scraps at the landfill. Methane is 20 times more potent and harmful than carbon dioxide



Benefits of composting food scraps

Saves valuable nutrients from the landfill

- By composting nutrients back into the soil, we capture them rather than wasting them and using up space in the landfill
- Food scraps produce a valuable compost product and our local economy can also reap benefits
- The longer a city can go without the need for a new landfill, the longer it can maintain lower costs for the taxpayer



Residential Food Scraps Composting Pilot Program



Developed

as an extension of the Master Composter program, according to the CFW 2017 Comprehensive Solid Waste Management Plan

First

program of its kind in North Texas, will be a benchmark for other DFW municipalities

Designed

based on a similar program in Minneapolis

Launched

Mid-April 2019



Funded

through a grant from the Texas Commission on Environmental Quality

Prepared

in cooperation with the North Central Texas Council of Governments



Making a Difference

2 years running

Over 1,500 households subscribed

Over 126 tons (252,000 lbs.) collected

Total contamination: 1.1%

Goal: Maximum landfill diversion of compostable items
and future recommendation for city-wide
food scraps curbside collection



What Can I Compost?

¿Qué puedo compostar?



Cassava root
(Cassava cocoté)



Banana peels and grounds
(Banana de cometa y café)



Eggshells and banana peels
(Cáscaras de huevo y banana)



Banana peels
(Productos bananeros)



Coffee grounds and eggshells
(Fécula de café y cáscaras)



Banana peels
(Banana de té)



Fruits and vegetables (Fruits and vegetables)
Residues of dishes (Chukra de cocina)



Food waste
(Residuos de alimentos)



Fruit and vegetable scraps
(Residuos de frutas y verduras)

TOP 10 UNACCEPTABLE ITEMS

LOS PRINCIPALES RESIDUOS INACEPTABLES



Plastic bottles
(Botellas de plástico)



Glass bottles
(Botellas de vidrio)



Metal cans
(Latas de aluminio)



Plastic bags, bags or
bags of organic waste
(Bolsas de plástico, bolsas
de residuos orgánicos)

For more learn: www.FuerzaFuerza.com/que-puedo-compostar



Fuerza Fuerza
MAKING
GREEN



Eco World



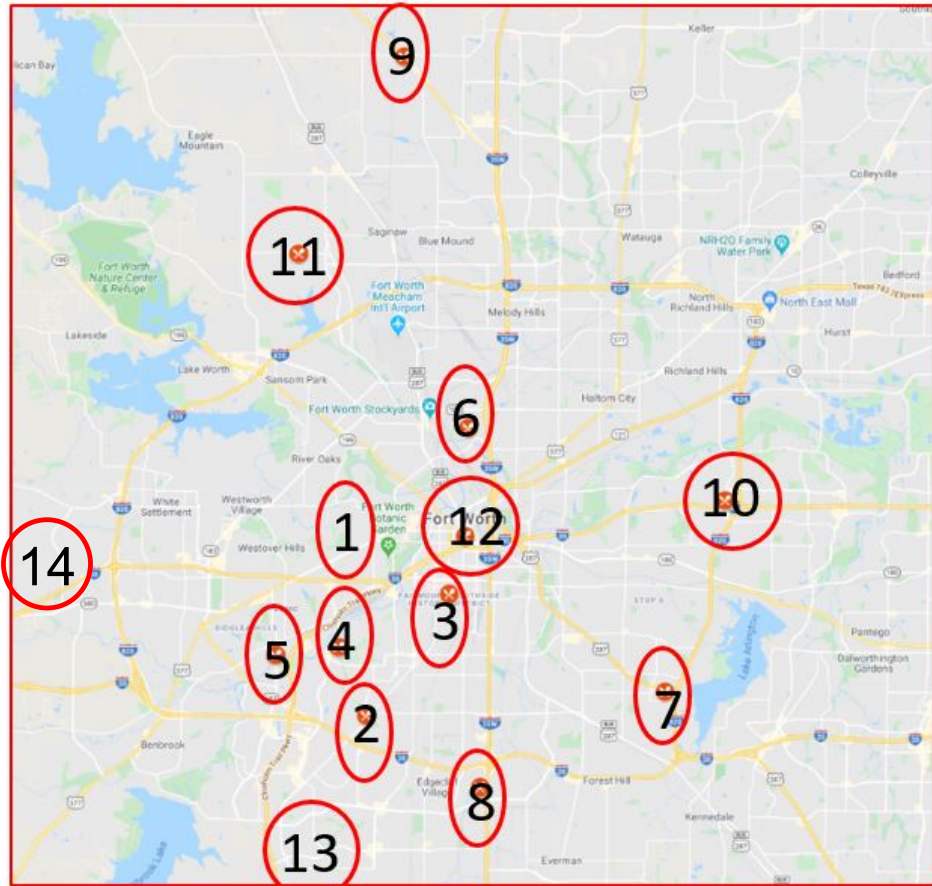
Collection sites

PUBLIC COLLECTION SITES FOR FOOD SCRAPS ONLY :

- COMPOST-1. FW Botanic Garden (3220 Botanic Garden Blvd, 76107)
- COMPOST-2. Foster Park (4398 Trail Lake Dr., 76109)
- COMPOST-3. Fairmount Park (1501 5th Ave, 76104)
- COMPOST-4. Hartwood Park Tennis Courts (4300 Hartwood Dr., 76109)
- COMPOST-5. River Park (3100 Bryant Irvin Road, 76109)
- COMPOST-11. Northwest Library (6228 Crystal Lake Dr., 76179)
- COMPOST-12. City Hall (200 Texas St, 76102)
- COMPOST-13. Chisholm Trail Park (4680 McPherson Blvd, 76123)
- COMPOST-14. Walsh Community Garden (13749 Makers Way, 76008)

FOOD SCRAPS COLLECTION ALSO AVAILABLE AT EACH OF THE CITY OF FORT WORTH DROP-OFF STATIONS:

- COMPOST-6. Brennan DOS (2400 Brennan Avenue, 76106)
- COMPOST-7. Southeast DOS (5150 Martin Luther King Freeway, 76119)
- COMPOST-8. Old Hemphill DOS (6260 Old Hemphill Road, 76134)
- COMPOST-9. Hillshire DOS (301 Hillshire Drive, Haslet 76052)
- COMPOST-10. CFW Environmental Collection Center (6400 Bridge St, 76112)



How do residents sign up?

- Click on the sign-up button from the City's website:

www.FortWorthTexas.gov/solidwaste/compost

- Links to Eventbrite for online sign up form and payment of the \$20 subscription fee.
- This fee covers full participation in the Pilot Program, and includes program starter kit.
- All fees collected by our Residential Food Scraps Pilot Program are donated to the advancement of the Keep Fort Worth Beautiful Program.



Commercial Aspect

- Our residential program has raised awareness and generated interest for commercial composting options and helped build infrastructure for commercial diversion of organic materials, expanding its reach beyond residential organic diversion.
- Our Materials Management Team has helped facilitate partnerships between local composting vendors/haulers and local businesses/facilities who were looking to divert commercial food/organic waste.
- For more information on how we can help you divert your food waste, please contact mmp@fortworthtexas.gov

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Thank you

