

Municipal Organics Programs in Franklin County, MA

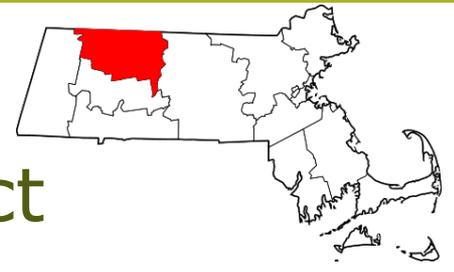


Bernardston, MA

Amy Donovan

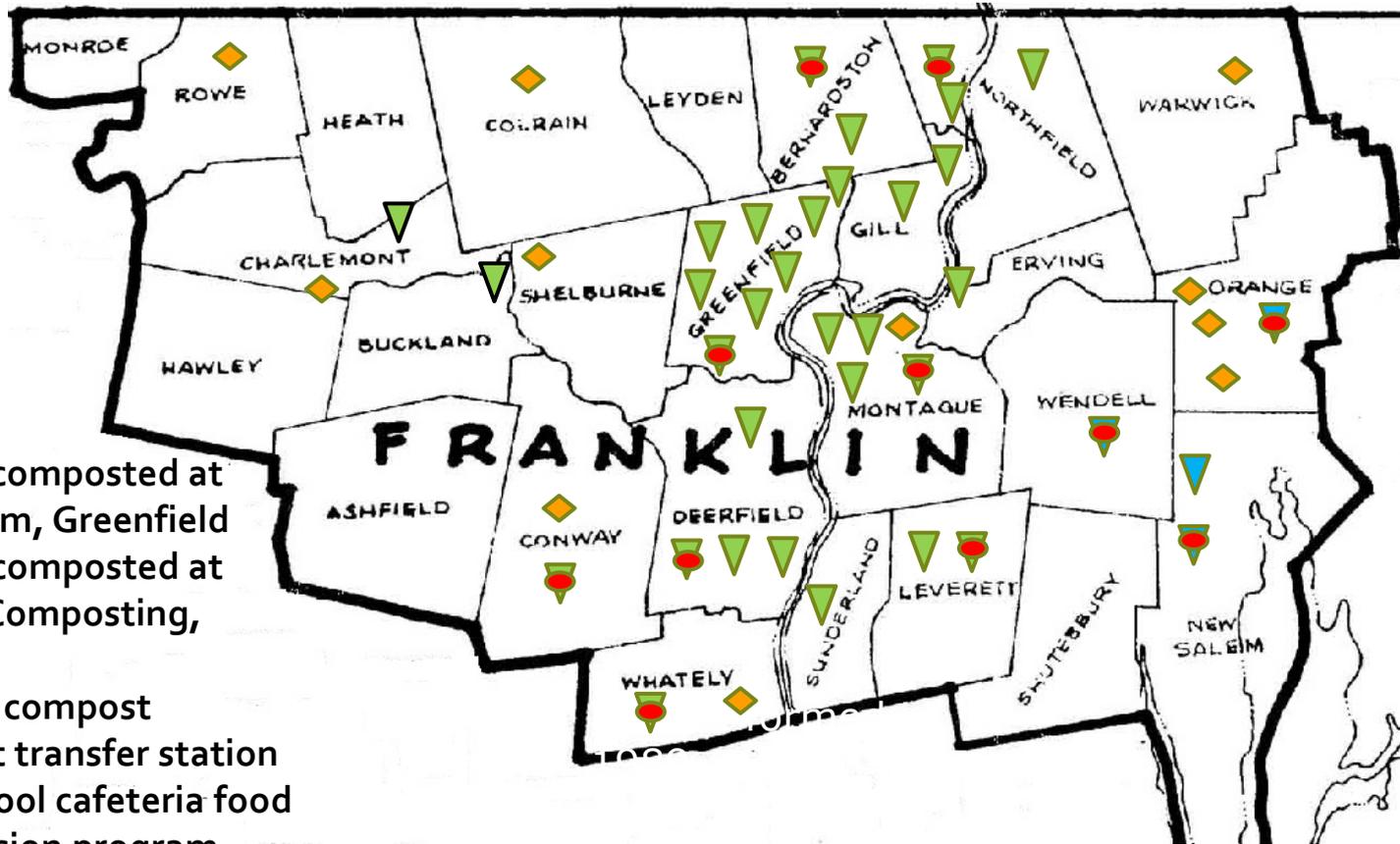
Program Director, Franklin County Solid Waste District

NERC Webinar: Strategies for Collecting Residential Food Waste - February 3, 21



Franklin County Solid Waste District

Organics Programs at Schools and Transfer Stations



Key:

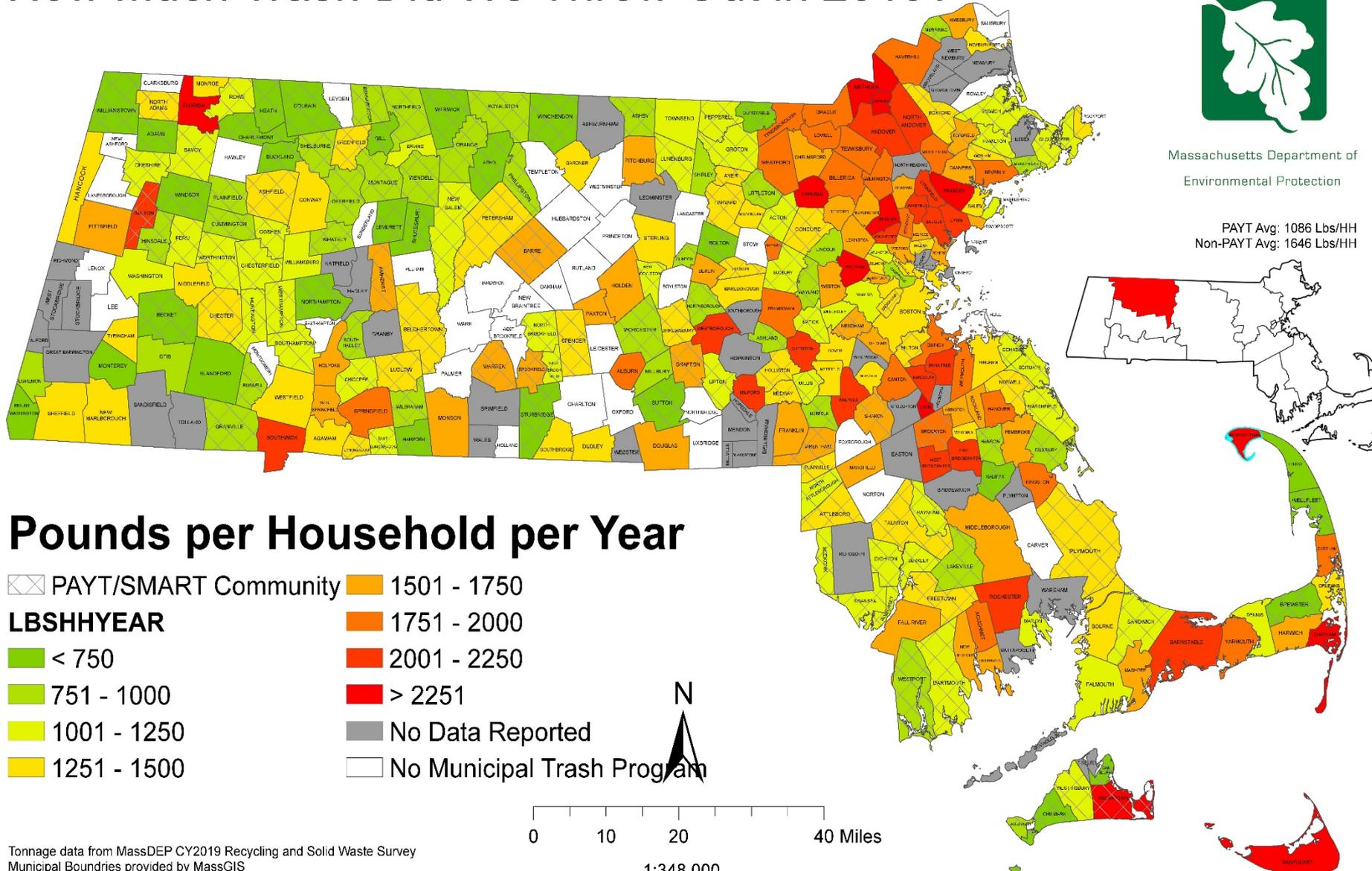
- ▼ Materials composted at Martin's Farm, Greenfield
- ▼ Materials composted at Clear View Composting, Orange
- Municipal compost collection at transfer station
- ◆ Other school cafeteria food waste diversion program (major on-site composting, animal feed, etc.)

How Much Trash Did We Throw Out in 2019?



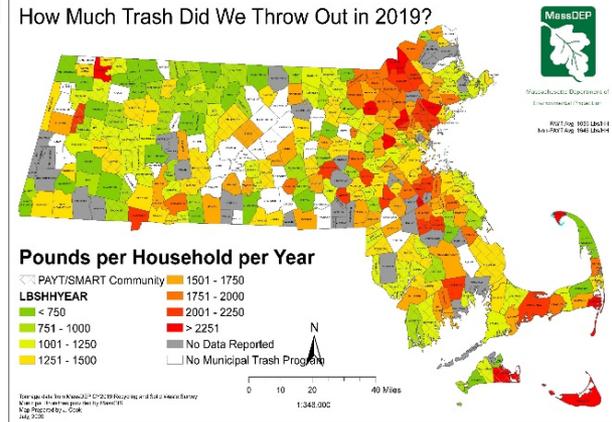
Massachusetts Department of
Environmental Protection

PAYT Avg: 1086 Lbs/HH
Non-PAYT Avg: 1646 Lbs/HH



Tonnage data from MassDEP CY2019 Recycling and Solid Waste Survey
Municipal Boundaries provided by MassGIS
Map Prepared by J. Cook
July, 2020

Pounds of trash disposed per household per year



State Average

- PAYT Avg: 1,086 Lbs/HH
- Non-PAYT Avg: 1,646 Lbs/HH

Map key:

- Dark Green: < 750 Lbs/HH
- Lighter Green: 751 – 1000
- Yellow: 1001 – 1250 Lbs/HH
- Light Orange: 1,251 - 1500 Lbs/HH
- Dark Orange: 1,501-1,750 Lbs/HH

FC Compost Towns, 2019*

- Leverett: 460 Lbs/HH
- Wendell: 900 Lbs/HH
- Orange, MA: 900 Lbs/HH
- Northfield: 940 Lbs/HH

- Conway, MA: 1,360 Lbs/HH (Non-PAYT, 2020)

* Calculations based on # of HH that use transfer station, which may not be a perfect representation.

**FCSWMD towns have PAYT, except Conway.

Windrows at Martin's Farm
Greenfield, MA



Windrow turner at Martin's Farm
Compost thermometer in windrow shows 140°

Municipal Drop- Off Compost Programs

10 FC towns: Bernardston, Conway, Deerfield, Greenfield, Leverett, New Salem, Northfield, Orange, Wendell, Whately (Starting 3/3/21: Montague/Turners Falls)



Northfield Transfer Station



Conway Transfer Station

Conway Transfer Station

- Conway program launched Nov. 2019
- Started w/ 2 cubic yard TTT dumpster
- 10 months later, switched haulers
- Compost Cooperative hauls to Martin's Farm
- *Estimated 42 tons/year*
- 2010 population: 1,864
- Permit holders: 879



The Compost Cooperative rinses totes between uses and provides compostable liner bags.

www.thecompostcooperative.com

The Compost Cooperative

Conway TS, plus residential and commercial in
Greenfield, Turners Falls



- Residential pickups (pails)
- Commercial pickups (toters)
- Municipal pickup- Conway TS (64-gal toters)
- Worker owned Co-Op providing jobs for the formerly incarcerated
- Hauls to Martin's Farm, Just Roots

Deerfield Transfer Station

- Program launched 5/19
- Started w/ 2 cubic yard dumpster (pictured)
- 6 months later, went up to 4 cubic yard
- Energy Committee vols. assisted program launch
- *Estimated 83 tons/year*
- 2010 population: 5,125
- Permit holders: 1,294
- 820 Lbs MSW/HH in 2020



Six (soon to be 7) FC transfer stations are serviced weekly by Triple T Trucking. ttvt.com

Slide for Deerfield Town Meeting

FOOD & PAPER WASTE COMPOSTING

FREE*! At Deerfield Transfer Station



Commercial /Municipal Composting reduces household trash!

Accepts ALL types of food (no liquids), plus compostable paper products
(paper towels, paper napkins, more...)

Starts May 2, 2019!

Northfield Transfer Station

- Northfield program launched in 2008
- Started w/ 2 cubic yard dumpster, now 3 yard
- *Estimated* 63 tons/year
- 2010 population: 3,000
- Permit holders: 825
- 940 Lbs MSW/HH/year



Greenfield Transfer Station

- Program launched 2014
- 4 cubic yard dumpster
- Also has curbside pickup of MSW, recycling
- Accepts organics, recyclables from non-residents
- Small events and businesses also use this dumpster
- 2010 population: 17,000



Orange Transfer Station

Serviced by Clear View Composting

Lockable bins, also at New Salem and Wendell TS

- Orange program launched in 2011
- Smaller program: 7 tons/year
- 2010 population: 8,000
- Permit holders: 1,157
- 900 Lbs MSW/HH/year



- Bottom picture:
New Salem TS, since 2009
www.facebook.com/Clear-View-Composting-2191492011122394



Best Management Practices

- Weekly pickup
- Resident education
- Signage
- Trash can next to organics collection for plastic bags, mistakes
- Provide pails
- Report on success



COMPOST
FOOD + PAPER

NO PLASTIC

 Funded by a grant from MassDEP

Sure-Close kitchen compost collection pails

- FCSWMD coordinates large regional orders
- FCSWMD sells to residents for \$5
- Towns buy w/ RDP funds
- 35% PCW recycled content (green)
- Filter in lid, but lid closes tight
- www.sure-close.com



MassDEP's Recycling Dividends Program (RDP)



(WhatelyTS above)

- MassDEP: 2 RDP points (\$) for municipal drop-off organics program.
- To earn the 2 points, the DEP requires the town to also subsidize home compost bin purchases for their residents. FCSWMD towns contribute \$25 per bin to match \$25 from the resident.
- The subsidized bin payments can come from the town's RDP funding.
- FCSWMD sells "Earth Machine" compost bins to residents and invoices towns for the subsidy.
- RDP funds can now be used to pay for the entire program: hauling, compost pails, compost bins, program signage, handouts...
...all at no cost to the municipality!

(Most haulers charge less than \$200/mo.)



Home composting



FCSWMD sells Earth Machines

- 4 locations
- MA state contract: \$49.50 each
- Non-compost towns \$50
- Compost towns \$25 (RDP)

YES: compost fruit, veggies, bread, grains, eggshells, coffee grounds/filters

Leaves, grass clippings, yard waste

NO: animal products -
meat, bones, cheese, protein!

www.orbiscorporation.com

Kids love composting!

Contact and Links

Amy Donovan

Program Director,

Franklin County Solid Waste District

amy@franklincountywastedistrict.org

www.franklincountywastedistrict.org

www.facebook.com/FranklinCountySolidWasteDistrict



"Area Composters Make Good Use of Food Waste" Greenfield Recorder, March 2017

"Composting program comes to Bernardston and Leyden" Greenfield Recorder, June 2018

"Waste not, want not - Deerfield plans to start transfer station composting" March 2019

(Deerfield now has a 4 cubic yard dumpster, which changes the economics in the article.)