

PUT WASTE TO WORK™

NOVEMBER 9, 2022

EMBRACING COMPOSTABLE
SERVICeware



vegware™ 


PRODUCTS®
A NOVOLEX BRAND

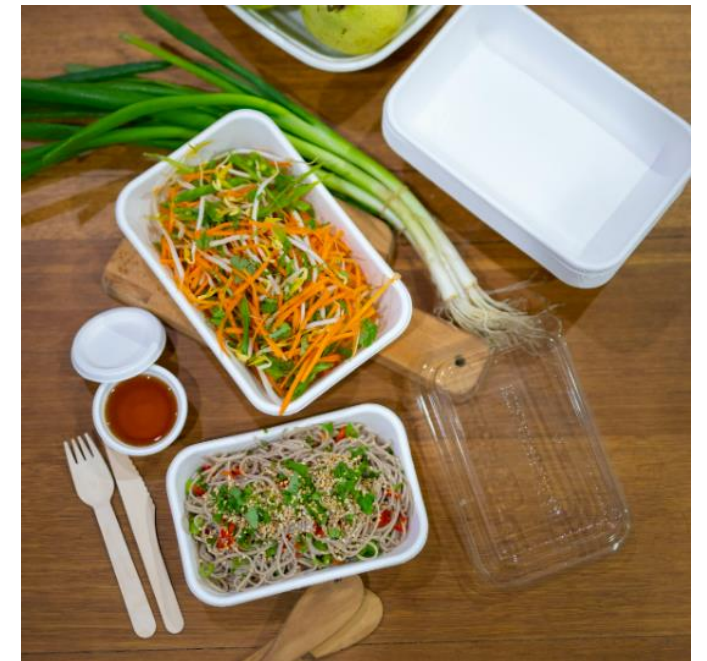
Our Vision & Mission

VISION:

Eco-Products will be in the vanguard of our Zero Waste future.

MISSION:

At Eco-Products, we understand the connection between the health of the planet and the impacts of disposable packaging. Every day we work to advance Zero Waste systems, and help our customers be better stewards of the environment.



Certified



Corporation[®]

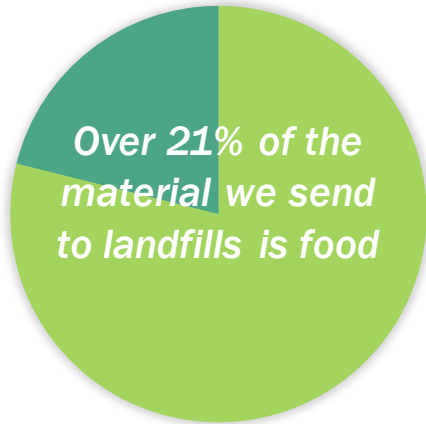


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Certified Compostable Packaging Gets Food to Piles

Not without Challenges and Opportunities:



<https://www.hsph.harvard.edu/nutritionsource/sustainability/food-waste/>

- Contamination
- Legislation
- Access to composting
- Variety of Processing Systems
- Home Compostability
- Cost
 - Upfront
 - Handling & Processing
- Awareness, Education, and Understanding
 - Certifications
 - Knowledge of Materials and Performance
 - Quality of finished product



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What is a Product & Zero Waste Specialist?

We measure our success by cups diverted from landfills as much as by total cups sold. To that end, we have created regional **Product & Zero Waste Specialists** who work with end users, haulers, composters, and recyclers to create meaningful Zero Waste success stories.

What do our PZW Specialists focus on?

- Keeping up to speed on local legislation, policy, and composting infrastructure.
- Supporting broker and distributor reps with any key operator opportunities.
- Gatekeeping database and analytics specific to our network of composters and haulers in their marketplace.
- Assisting in the advancement of waste-diverting operators by offering both marketing and training support.



Jenny

*Pacific
Northwest,
Northern CA*



Jamie

Midwest



Elly

*New
England,
New York
Ohio River
Valley*



Wayne

*South,
Southeast*



Meghan

*Southern CA,
Southwest*

Strategies for Better Separation at the Source

- Choosing the right products
- Making it easy
- Education and training
- Strong hauler relationship
- Collaborating with the composter



Choosing the Right Products



**Venue
Procurement**

Complete Bundle of Disposables:

Procurement can rely on
broad assortment of
certified compostable
products



- BPI certified? CMA approved?
- ASTM compliant?
- Locally accepted as compostable?
- Compliant with legislation?



Compostable



PLANT-BASED
PLASTIC (PLA)



PLANT STARCH



WHEAT STRAW



SUGARCANE



SUGARCANE &
BAMBOO BLEND

What's cool:

- Made from renewable plant materials that can be grown again and again
- Not made from oil like traditional plastics
- The vast majority of GreenStripe® products are compliant with ASTM standards for compostability and many are BPI certified compostable, which means they can return to the soil to help plants grow

What to consider:

- Compostable GreenStripe products are:
- Compostable in commercial facilities only, which may not exist in your area.
 - Not suitable for backyard composting.

Recycled Content/Virgin



POST-CONSUMER
RECYCLED FIBER
(PCF)



POST-CONSUMER
RECYCLED
POLYSTYRENE (RPS)



POST-CONSUMER
RECYCLED PLASTIC
(RPET)

What's cool:

- Made from consumer recycled materials that have been used, recycled, and repurposed, meaning fewer virgin resources are required and less landfill waste is created
- Making recycled products from recycled materials helps drive recycling markets and infrastructure

What to consider:

- Not recyclable in all communities.



Make it Easy to do the Right Thing



Guests

Easy Disposal:
Guests don't have to separate food from packaging or make hard decisions at bins



- Triple bin system – landfill bin is strongly suggested
- Comprehensive signage – use images of actual items
- Use all compostable items – “the food, fork and plate”



Educate and Train



Facility Operators & Employees

Easy Cleaning:
Facility staff have less sorting to do and can easily identify compostable products



- Custodial staff and employees **MUST** be trained about source separation
- Use videos, handouts, sorting activities, in-person
- Can be done by the facility, the hauler or composter
- Tell **WHY**, not just **HOW**



The Hauler is Key!



- Connects waste diverters to composters
- Knows what is and is not acceptable in a program
- First set of eyes on source separation
- Should reject contaminated loads

Easy Identification:
Haulers can easily identify compliant product in loads.



Source Separated Organics In, High Quality Compost Out



**Reliable
Degradation:**
Composters can
identify and rely on
our product to
perform



- Composters should vet all customers
 - Invite them to your site before beginning as well as when loads are tipped
 - Establish what is and is not accepted – ‘Your house, your rules!’
 - Labelled vs Unmarked
 - Substrates
 - Certifications
- Consider fines and/or rejecting contaminated loads

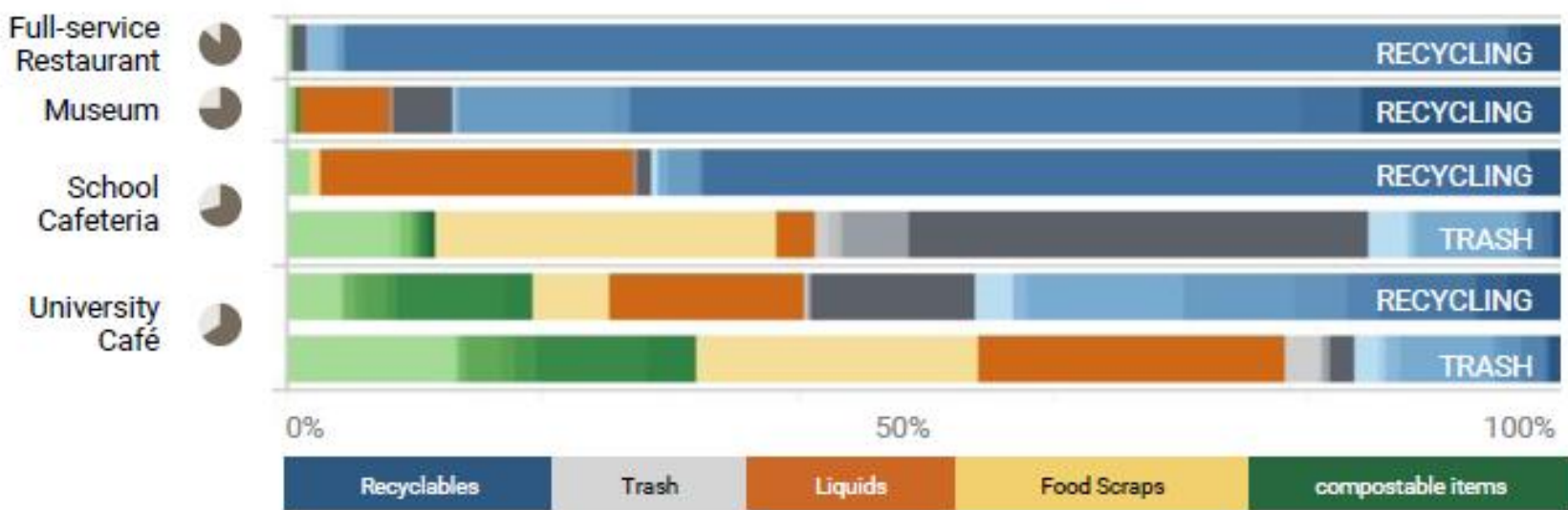


The Best Solution = Systems Solution

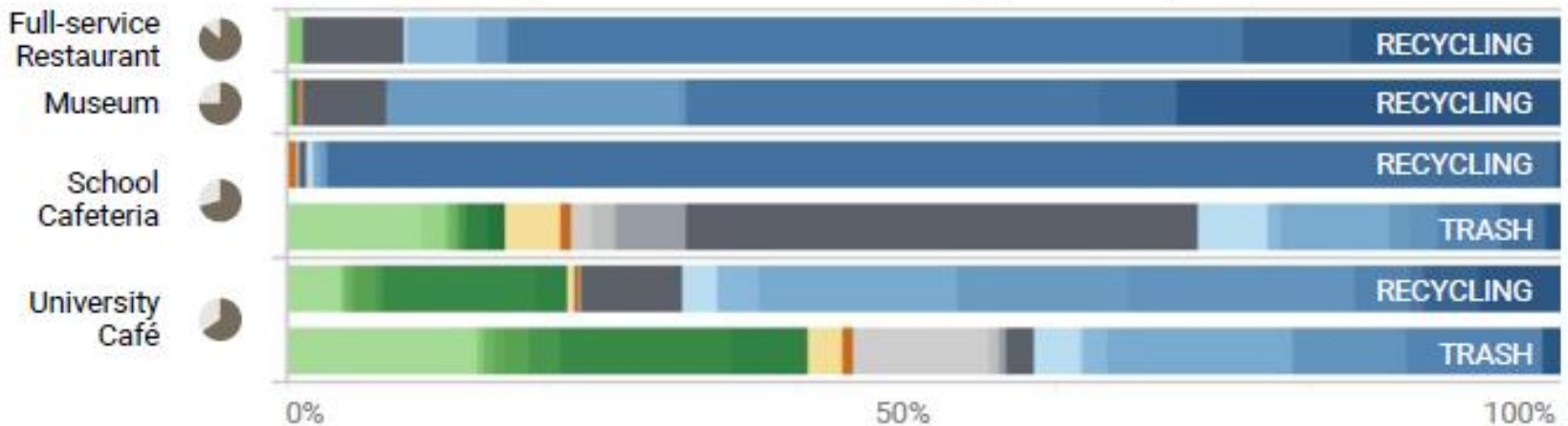


CompostABLE Chicago – Sept 2022

Percent Composition of FOH Stream (by Weight)



Percent Composition of FOH Stream (by Volume)



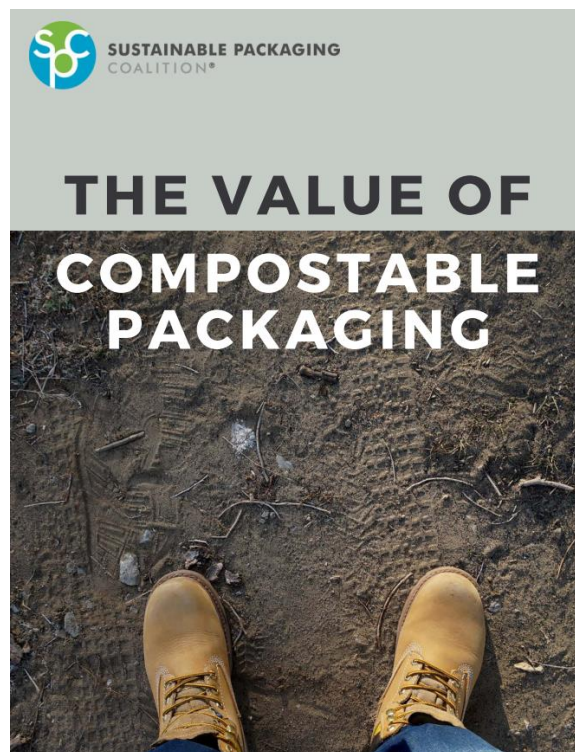
Third-party studies demonstrating the value of compostable packaging are stacking up

NOVEMBER 14, 2018 | GENERAL

Value Of Compostable Packaging As “Feedstock”



Field trials at two composting facilities evaluated compostable foodservice packaging as a composting feedstock.

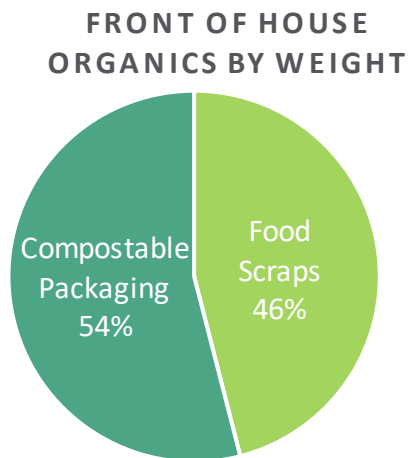
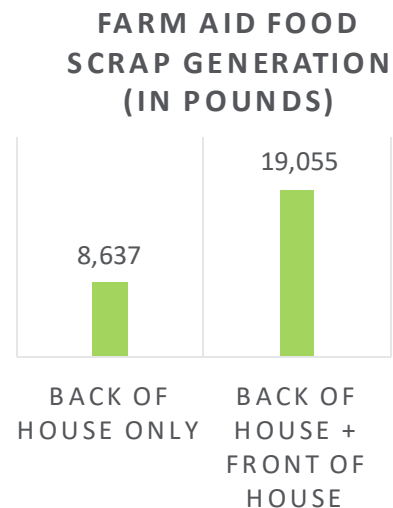


Biodegradable Products Institute and Foodservice Packaging Institute Feedstock Study

"Compostable packaging is an effective feedstock in compost piles, just like wood chips or yard trimmings."



Study by Sustainable Packaging Institute: Farm Aid Concert 2016



*Received **122%** more food scraps because front-of-house stream was accepted (vs back-of-house food scraps only)*



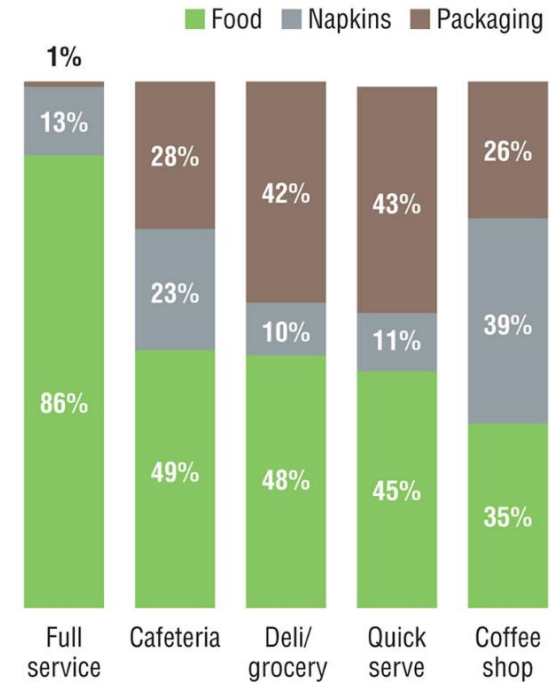
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Eco-Cycle Restaurant Study

*The majority of the compostable materials collected was food scraps and napkins, rather than packaging – **at least 56%** of FOH organics bin contents by weight*



Figure 1. Quantity of food scraps, napkins and packaging in FOH organics bins (by weight)



No Cost Testing Programs



Home » Advocacy » Overs Testing

Overs Testing

In an effort to support composters and address barriers to accepting certified compostable products, BPI offers testing of "overs" screened out of the finished compost that haven't broken down to determine if they are compostable or not. This free service is available to composters who are located in the United States and Canada. (Testing for facilities located outside of the US or Canada may be considered on a case-by-case basis.)

To get started, please fill out the form below and hold on to the sample(s) you've collected. Once you have submitted the form, BPI will contact you with any questions and to coordinate mailing the samples to a testing lab.

The test results will be shared with the composter. If the sample turns out to be non-compostable, BPI will help identify the possible sources of contamination and talk with the local/regional government about ordinances that could help. If the sample is compostable, BPI will discuss field testing options, with possible funding support.

BPI Overs Testing Submission

Please complete all fields and click "submit."

Facility name *

Address *

Street Address

Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

Contact name *

First

Last

https://www.bpiworld.org/overs_testing



Compost
Research &
Education Foundation

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Join the Compostable Field Testing Program

Whenever food waste becomes your feedstock, the question of accepting compostable foodware and packaging is bound to come up. While lab certification is a good place to start, performing in-field disintegration testing is the next level to determine how well products do and don't break down in your specific facility.

The Compostable Field Testing Program, or CFTP, is an international non-profit research platform to bring field testing to composters across North America and beyond. Operating since 2016, the CFTP provides a standard test kit and a customizable protocol for the common 'mesh bag method'. When participating facilities share back their results, this data is collected by the CFTP, aggregated and anonymized for eventual public release in an online database. This will provide comprehensive baseline data correlating composting conditions with the disintegration of common compostable products and packaging, allowing CREF, the public, composting industry, compostable products industry and academics to develop tools for composters wanting to understand best practices for processing these feedstocks.

Program goals and benefits

- Helps composters identify which compostable product types which break down in their systems, and which do not
- Creates an open source database of disintegration results for the industry across North America
- Continues development of a standardized test protocol developed through real-world testing
- Provides a platform for spin-off research, such as new field testing methods and additional microbiological analysis

Donate Now!
Support the Compost Research and Education Foundation with a donation.

Composter Training Program
40-hr, 5-day course includes lectures, hands-on activities and field trips

Compost Sampling Videos
A visual set of references aimed to improve one's compost sampling technique.

Partnering with

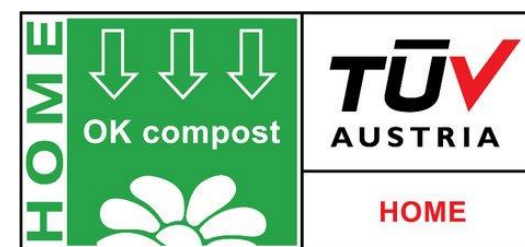
<https://www.compostfoundation.org/FieldTesting>

Third Party Certifications for Transparency

Product Certifications



ASTM INTERNATIONAL



Compost Certifications



LET'S GET TO WORK.

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