

Sustainable Food Packaging Scorecard

A tool for evaluating the sustainable performance of foodware and food packaging

October 23, 2020



Origins of the Sustainable Food Packaging Scorecard

The Sustainable Food Packaging Scorecard is initiative led by The Lexicon, a California-based NGO that uses evidence-based story telling, strategy and mobilization to build movements tackling our food system's great challenges.

The Scorecard was created through two six-month “Accelerator” sprints using Silicon Valley principles to build consensus among multiple stakeholders and rapidly prototype a new tool.

We work pre-competitively.

We are committed to releasing a final work product under a Creative Commons license for public use.

Current participants include leading food service companies,
NGOs and experts



Scope 3

sustainability consulting, research, and software



Food
Packaging
Forum



COMPASS
GROUP



AVENDRA



Recology

svgroup



Footprint®



CHEM
FORWARD
know better chemistry



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SUSTAINABLE PURCHASING LEADERSHIP COUNCIL

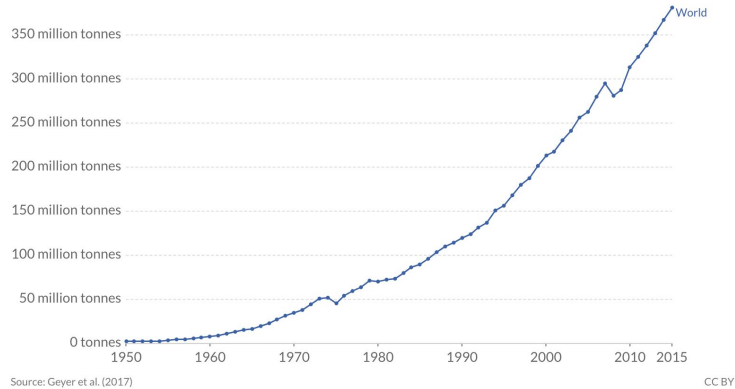


Environmental Health Sciences

The challenge posed by single use plastic is greater than ever

Global plastics production

Annual global polymer resin and fiber production (plastic production), measured in metric tonnes per year.



EDITORS' PICK | 6,384 views | Apr 25, 2020, 01:58pm EDT

The Amount Of Plastic Waste Is Surging Because Of The Coronavirus Pandemic



Laura Tenenbaum Contributor @
Science



At the beginning of the second week of the UK's Coronavirus lockdown and in accordance with ... [+] IN PICTURES VIA GETTY IMAGES

**WE ARE TEMPORARILY PAUSING THE
USE OF REUSABLE CUPS IN CARE OF
OUR CUSTOMERS AND PARTNERS.**

In addition to sanitizing procedures in all our stores, this is one more step we can all take to prevent the spread of Coronavirus (COVID-19).

Our commitment to sustainability remains unchanged. Learn more at Starbucks.com.

Thank you.

Making sustainable foodware and packaging choices isn't easy

What's better for our
carbon footprint?

Is compostable
better?

Are reusables
really better?

Is it really
recyclable?

Biodegradable?

If it's recyclable, then
I'm good?

Is more
bio-content good?

Are certifications
worth it?

How much
recycled content
do I want?

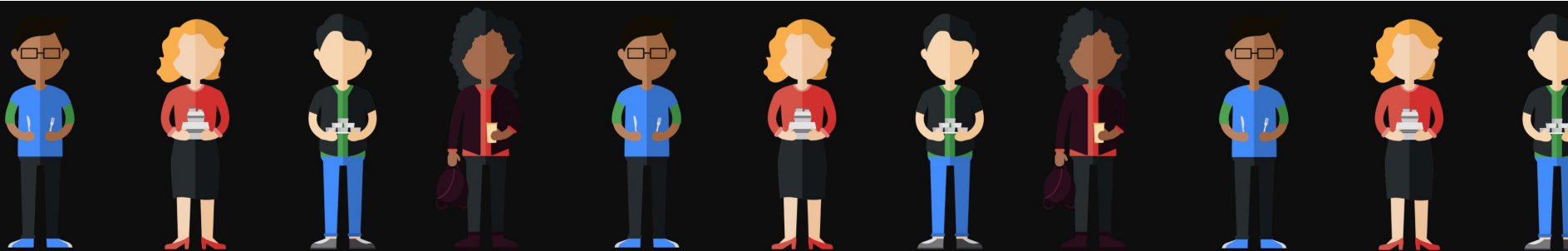
Does washing reusables
use more water than
disposables?

Is my container leaching
toxic chemicals?

So we're building a scorecard to make it easier

Our goals:

- Create a common yardstick to measure all the options
- Make it free and easy to use
- Educate the food industry about the impacts of disposables; show how reusable alternatives compare



Sustainable Food Packaging Scorecard Metrics

Climate

CO2e per
liter
packaged

Water

Fresh
water
consumed
per liter
packaged

Sustainable sourcing

- % recycled content
- Sustainable certification for biomass products

Recoverability

- Reused
- Recyclability
- Compostability

Plastic pollution

Mass of
plastic
leakage per
liter packaged

Possible chemicals of concern

Number of
hazardous
materials that
could be in
container

Chemicals of Concern Metric

Chemicals of Concern Avoided	
Tier 0	No chemicals avoided
Tier 1	Environmental Defense Fund (EDF) list avoided
Tier 2	Tier 1 and Food Safety Alliance for Packaging (FSAP) lists avoided
Tier 3	Tier 1, 2 and Food Packaging Forum's (FPF) Food Contact Chemical Database lists avoided

Integrity of claim	
Tier 0	No information available
Tier 1	Claim is self-reported
Tier 2	Written declaration from authorized company officer
Tier 3	Claim is third-party verified

EDF list:

Ortho-phthalates
PFAS
Perchlorate
Benzophenone
BPA and related
Toluene
Ethyl glycol (2-ethoxy ethanol)
Methyl glycol
(2-methoxyethanol)
N-Methyl-2-pyrrolidone (NMP)
Lead
Arsenic
Cadmium
Chromium VI
Mercury

Making the right choice for people and the planet.

Scorecard Tool

Finally a tool that allows you to take the most commonly used food packaging and understand their impact on your health and the environment.

Search by Container Type



Cold Cups

Customize Composting and Recycling

Add Custom Container



Container Type	Climate 	Chemicals of Concern 	Water 	Recoverability 	Plastic Pollution 	Sustainable Sourcing 	Summary Score 	
Reusable	100 g	#70	30 L		800 g		
Bio PET Rigid	200 g	#70	10 L		800 g		
CPLA	300 g	#70	10 L		800 g		
EPS Foam	100 g	#70	10 L		800 g		
Paper	500 g	#70	10 L		800 g		
Plastic	800 g	#70	10 L		800 g		
Glass	100 g	#70	10 L		800 g		
Foam	800 g	#70	10 L		800 g		

Use Default Data



Use Custom Data

Customize: Reusable Cold Cup

Name of Container

Distance from Supplier to User

Post Consumer Recycled Content

Is this a reusable container?

Yes ☒ No

Reuses

#

Sustainable Certifications

Choose all that apply.

- ☐ Bonsucro
- ☐ Forest Stewardship Council
- ☐ Sustainable Forestry Initiative
- ☐ CMA Commercially Accepted Products list
- ☐ RSB
- ☐ BPI

Optimized for Recycling

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Yes ☒ No

Free from List - Chemicals of Concern

[View list of Chemicals](#)

Check boxes that apply

- ☐ Product contains no chemicals from Tier 1
- ☐ Product contains no chemicals from Tier 2
- ☐ Product contains no chemicals from Tier 3

Chemical declaration is:

Self Declared

Supported by written declaration

Third Party Tested

List of chemicals of concern

[Print](#)

Tier 1

Tier 2

Tier 3

Local Recycling and Composting Availability

Do you have commercial composting available that includes food packaging as acceptable materials?

Yes ☒ No

If yes, does your commercial composting accept and compost compostable plastics?

Yes ☒ No

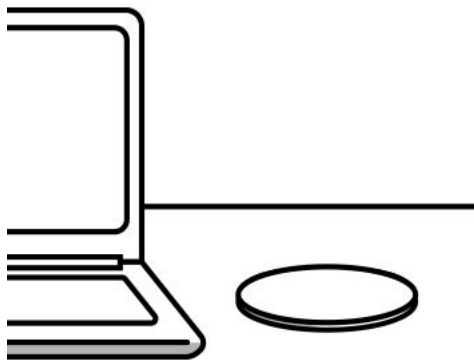
Collection and Recycling

Check box for materials that are accepted by recycling facility and also recycled by them - you will likely need to call them to find these answers.

Acrylic Rigid	Yes <input checked="" type="checkbox"/> No	CPLA	Yes <input checked="" type="checkbox"/> No	PET film	Yes <input checked="" type="checkbox"/> No	PVDC film	Yes <input checked="" type="checkbox"/> No
Aluminum Bottles	Yes <input checked="" type="checkbox"/> No	EPS Foam	Yes <input checked="" type="checkbox"/> No	PET foam	Yes <input checked="" type="checkbox"/> No	Steel bottles and cans	Yes <input checked="" type="checkbox"/> No
Aluminum Foil	Yes <input checked="" type="checkbox"/> No	Glass	Yes <input checked="" type="checkbox"/> No	PET rigid	Yes <input checked="" type="checkbox"/> No	Steel foil	Yes <input checked="" type="checkbox"/> No
APET Rigid	Yes <input checked="" type="checkbox"/> No	HDPE bottles	Yes <input checked="" type="checkbox"/> No	PETG rigid	Yes <input checked="" type="checkbox"/> No	Wood	Yes <input checked="" type="checkbox"/> No
Bamboo	Yes <input checked="" type="checkbox"/> No	HDPE rigid	Yes <input checked="" type="checkbox"/> No	PLA	Yes <input checked="" type="checkbox"/> No		
bio PET bottles	Yes <input checked="" type="checkbox"/> No	LDPE rigid	Yes <input checked="" type="checkbox"/> No	PP Film	Yes <input checked="" type="checkbox"/> No		
Bio PET rigid	Yes <input checked="" type="checkbox"/> No	Molded fiber	Yes <input checked="" type="checkbox"/> No	PP foam	Yes <input checked="" type="checkbox"/> No		
Blister pack	Yes <input checked="" type="checkbox"/> No	Nylon film, foam	Yes <input checked="" type="checkbox"/> No	PP rigid	Yes <input checked="" type="checkbox"/> No		
Cartocans	Yes <input checked="" type="checkbox"/> No	Plastic Foams	Yes <input checked="" type="checkbox"/> No	PS rigid	Yes <input checked="" type="checkbox"/> No		
Cartons	Yes <input checked="" type="checkbox"/> No	Paper	Yes <input checked="" type="checkbox"/> No	PVC film	Yes <input checked="" type="checkbox"/> No		
Corrugated board	Yes <input checked="" type="checkbox"/> No	PE Bags	Yes <input checked="" type="checkbox"/> No	PVC foam	Yes <input checked="" type="checkbox"/> No		
Composite cans	Yes <input checked="" type="checkbox"/> No	PET bottles	Yes <input checked="" type="checkbox"/> No	PVC rigid	Yes <input checked="" type="checkbox"/> No		

Save

Thank you!



Please send questions or feedback to
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