Walmart Sustainability

Guidelines for Reporting Your Private Brand Packaging Data

2024 Sustainability Reporting Cycle

Purpose of this document

This guidance document is intended to be used for reference purposes to help guide suppliers through the process of completing the private brand packaging section of Walmart's annual sustainability survey only and is not intended to provide any legal advice concerning packaging or other compliance related requirements.

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Survey Overview

Becoming a Regenerative Company: Walmart's Priority Issues

Our purpose: Helping people save money and live a better life

Through core products and services: Health and wellness, food, apparel and financial services

Opportunity

Good jobs and advancement for associates

Growth for suppliers, sellers and local economies

Equity and inclusion at Walmart and beyond

Sustainability

Climate and renewable energy leadership

Zero waste in operations, products, packaging

Regeneration of natural resources: forests, land, oceans

Dignity of people in supply chains

Sustainable product supply chains

Community

Serving communities

Access to safer, healthier products and services

Disaster preparedness & response

Ethics & Integrity

Highest ethical and compliance standards

Strong corporate governance

Engagement in public policy

Digital citizenship

Respect for human rights

Global Sustainable Packaging Goals

For Private Brands and encouraged for National Brands

	USE LESS PLASTIC	MAKE IT RECYCLABLE	LABEL IT
Private Brand Goals	15% virgin plastic reduction by 2025 (vs. 2020 baseline)	17% post-consumer recycled content globally by 2025	100% packaging recyclable, reusable, or industrially compostable by 2025	100% packaging labeled for recyclability

INNOVATE TOGETHER

2024 Sustainability Survey Season Dates

Timeline

September 9th - November 8th

The opportunity to report is only **once** a year!

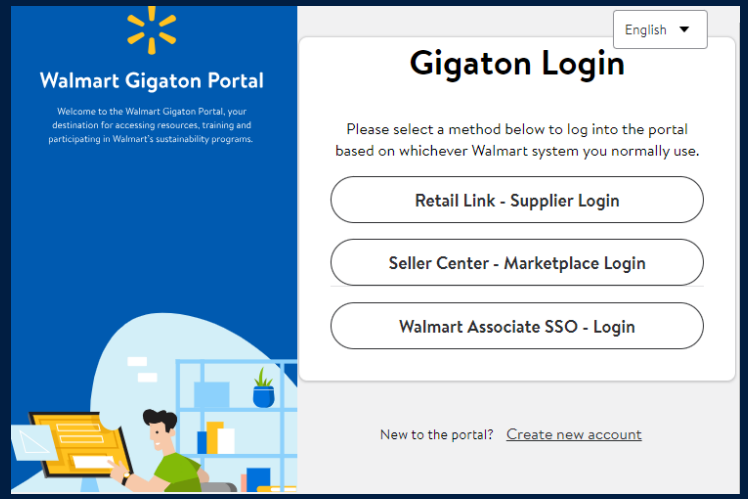
Sections

ProjectGigaton	All Suppliers
Commodity*	Select Suppliers
People**	
Forests	Private Brand Suppliers
Packaging	
Textiles***	

SUPPLIER TRAINING AVAILABLE:

View additional training content on Walmart Sustainability Hub and the Gigaton Learning Hub

Create or login to your company's Sustainability Portal account



* Applicability depends on the commodities in your supply chain.
**Suppliers for select departments (Seafood, Entertainment, Produce, Home, and Apparel Suppliers). Optional for others.
***required for Private Brands suppliers and recommended for National Brands suppliers.

Scope of Packaging Reporting

Primary Packaging – How2Recycle – Food Specific Labeling - Reuse

What is primary packaging:

- Packaging that goes home with the customer

What is NOT primary packaging:

- Products (napkins, cups, plates, cutlery)
- Ecommerce/shipping packaging
- Shelf/retail ready packaging
- PDQ trays
- Small hang tags (<2.5”)
- Stickers
- Hangers

In most cases, all Private Brand products will have primary packaging. Examples of products without primary packaging includes but are not limited to loose produce; apparel with hang tags < 2.5 in. (6.35 cm); General Merchandise product with only a sticker. If this is the case for your packaging, you need to check the box at the beginning of the sustainability survey stating that you do not have products in primary packaging.

NEW

What's new in the 2024 Private Brands Packaging Section?

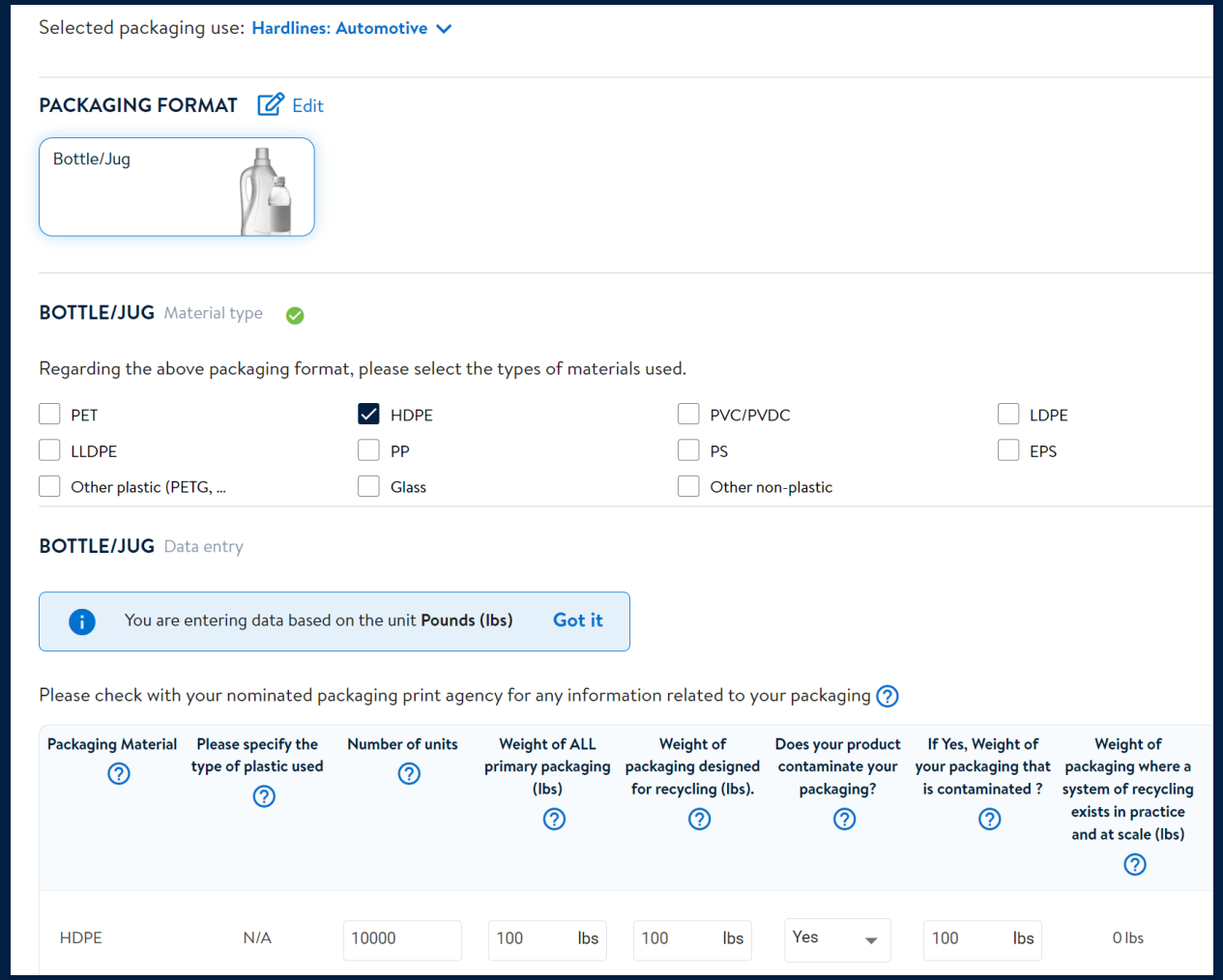
NEW

Product Contamination

The “Product contamination” question is now integrated into the survey to better provide information on designing for recyclability.

Question: Does your product contaminate your packaging?

- Answer yes or no
- If yes, enter the total weight of packaging that is contaminated for the specific format / material
  - Remember: Packaging can still be designed for recycling, despite product contamination
- Product contamination is only applicable for certain products types (e.g., fertilizer in PE bags, fresh meat or food residue in PET clamshells)

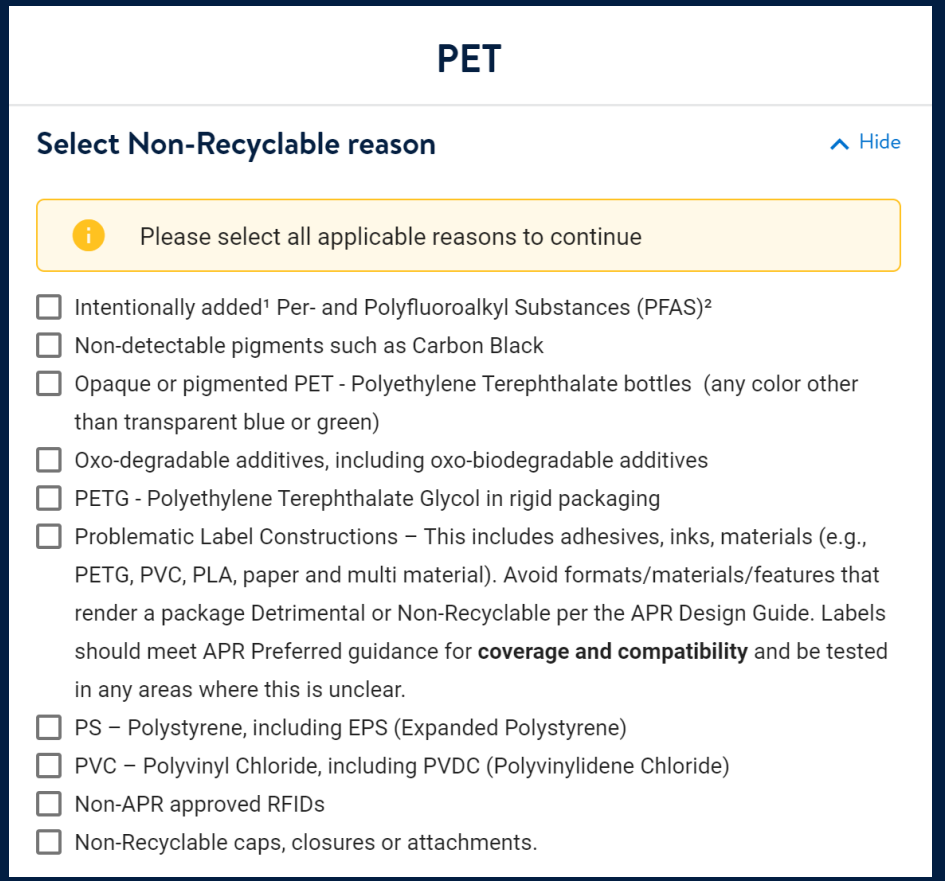


NEW

Update to Non-Recyclable Reasons

Changes made:

- Removed “other”
- Added “non-recyclable caps, closures, or attachments”
- Clarified problematic labels include coverage and compatibility
- Removed product contamination



NEW

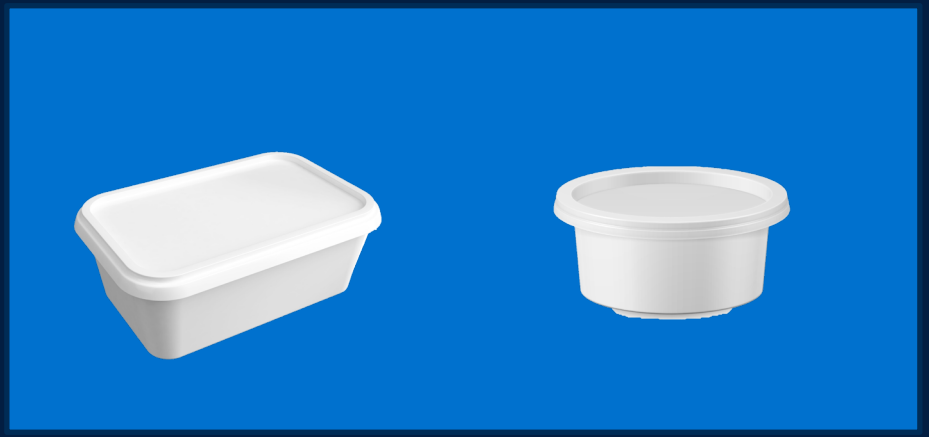
Update to PP packaging

Global

The following PP rigids are now considered recyclable

- Jars, tubs, pails
- Tray / Clamshell / Thermoform / Cup

Be sure to include your weight for PP in design for recycling



Mexico only

PP film can now be considered designed for recycling for Mexico only.

- Bag, Film, Pouch, Sachet

Be sure to include your weight for PP in design for recycling

NEW

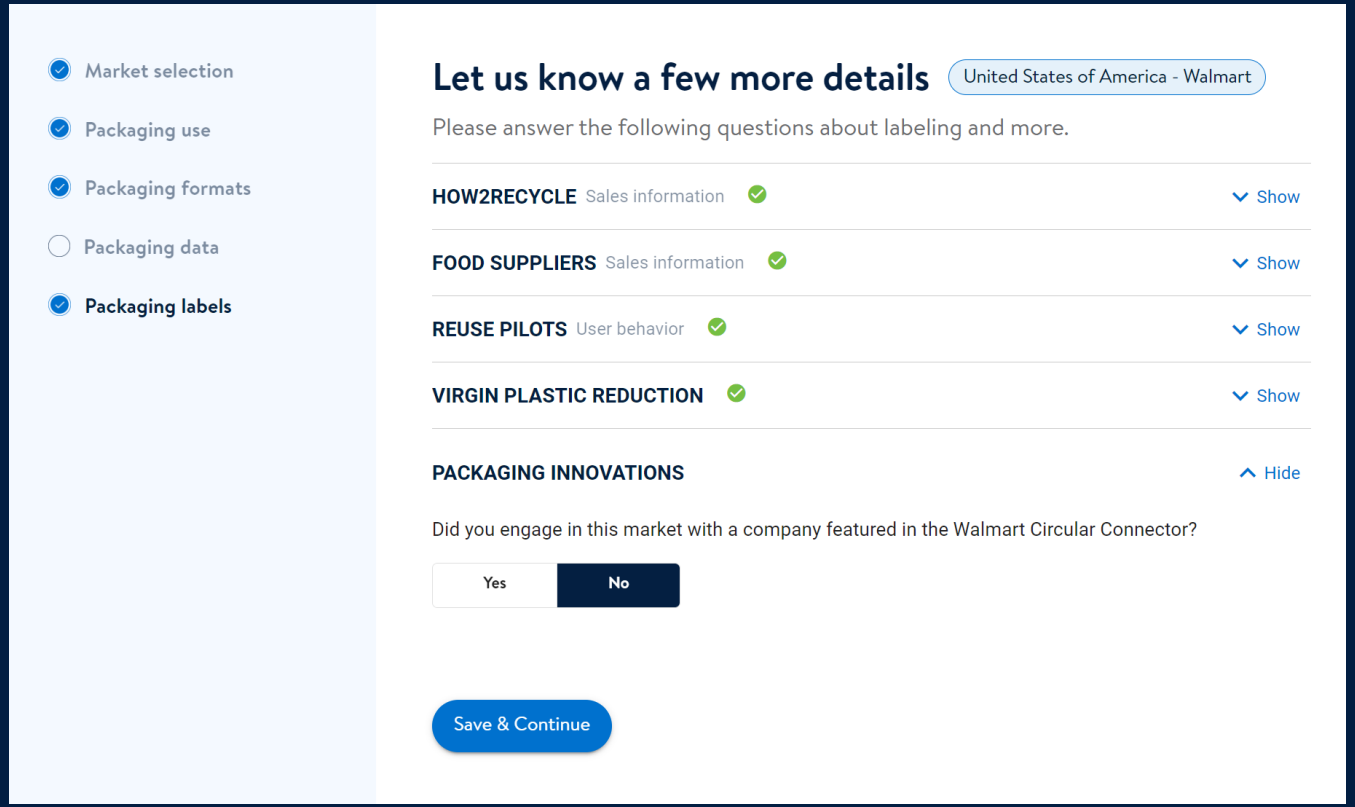
FCHW suppliers using e-halo

Suppliers with 100% of their items approved in e-halo will only be asked to submit their packaging label data.

Those who meet this requirement will be notified and provided their data for confirmation.

If you have questions about this, email corpsu@walmart.com

Cut off date to have all items in e-halo was June 30 – if you did not have them in by that date, you will need to complete the survey



Survey & Calculation guidance

How to prepare for the survey

For each package, answer the following questions

1 Identify Primary Packaging Types & Packaging Uses

A. What type of packaging do you use? A box? A bottle?
   - ➢ Identify all types of packaging

B. What is the packaging used for? Liquid drinks? Fresh food?
   - ➢ Identify all packaging uses

C. What is that package made out of?
   - ➢ Identify the base material

2 Identify if your packaging is designed for recycling

A. Is your packaging designed for recycling?
   - ➢ Refer to guidance in the Walmart Recycling Playbook to learn the materials that will make your package not recyclable

B. Do you use recycled content?
   - ➢ Identify the recycled content in your packaging is post-consumer

3 Do the math (MT, kg, lbs)

A. How much does each package type weigh?
   - ➢ Sum the total volume in your selected unit of measurement (metric tons, kilograms, pounds)

B. Of the total volume, calculate the weight for:
   - ➢ Packaging designed for recycling
   - ➢ Post-consumer recycled content
   - ➢ Packaging certified by Biodegradable Products Institute (BPI) or equivalent for non-US markets
   - ➢ Bio-based

Repeat steps for each type of package

Identify all primary packaging uses

Questions to Answer

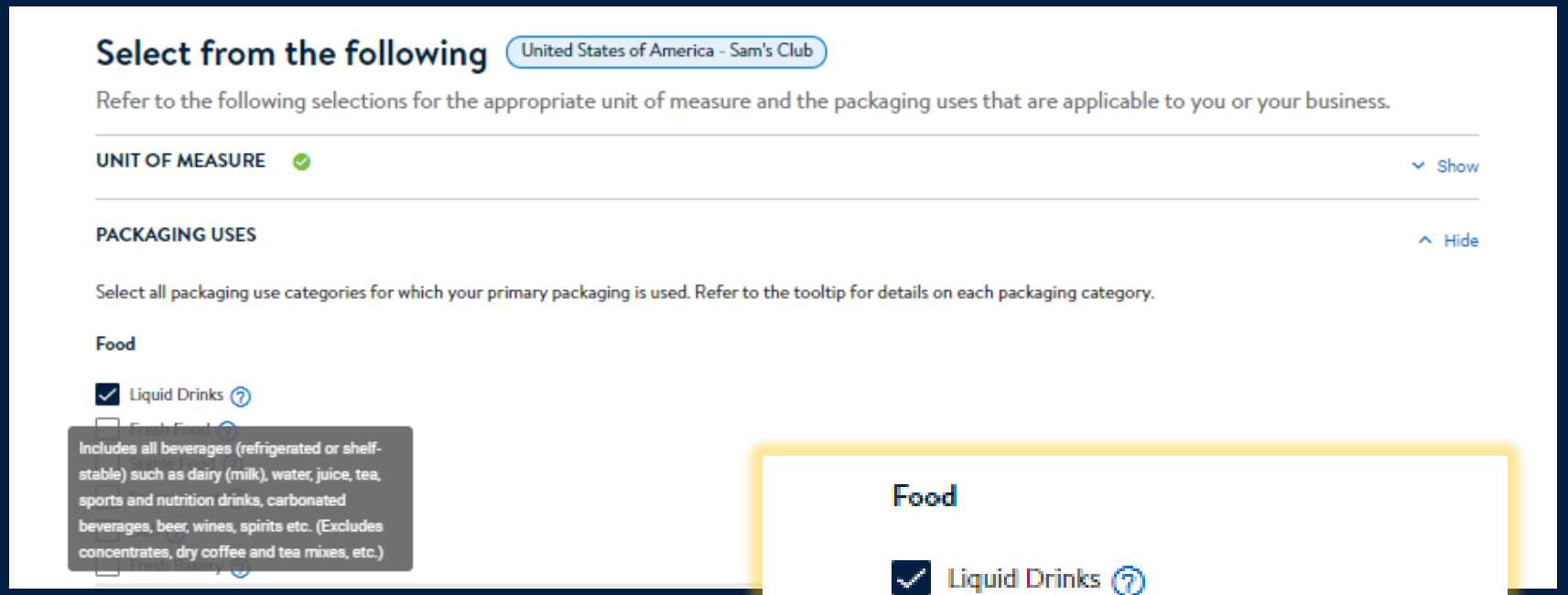
What is your packaging used for? Liquid drinks? Fresh Foods?

Example Uses

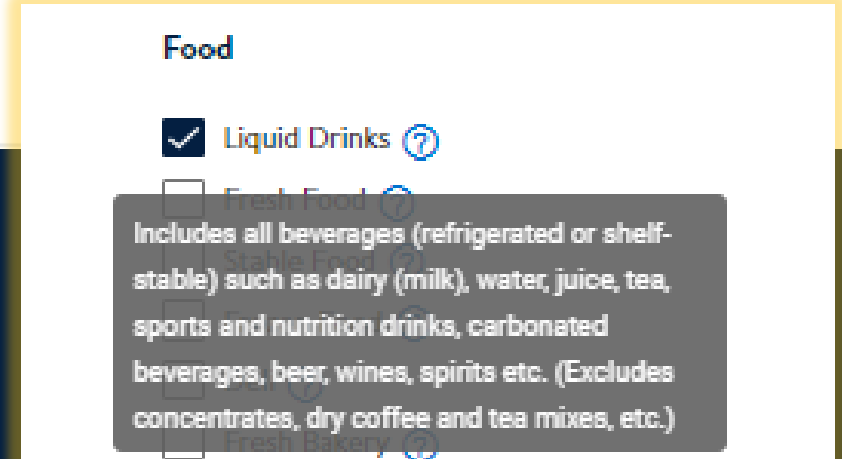
Liquid drinks

Fresh food

Example of Survey Question



WHAT TO DO: select the boxes for the **packaging uses** for your Walmart Private Brand primary packaging. For definitions and example of each packaging use, hover over the tool tips (See example)



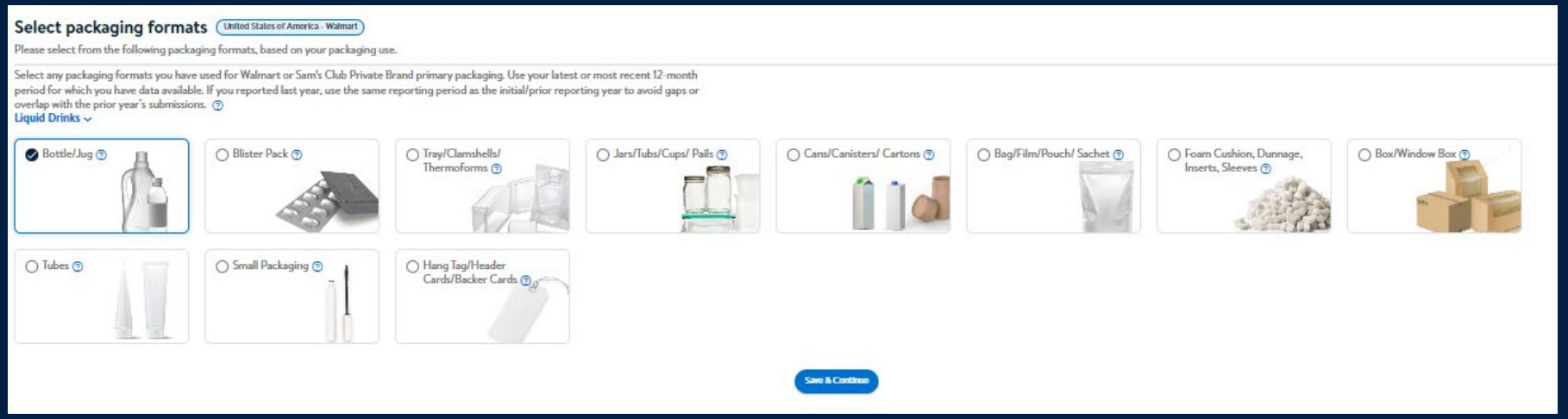
Identify all primary packaging types

Questions to Answer

What type of packaging do you use? A box? A bottle?

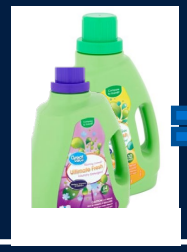
Example Products

Example of Survey Question



WHAT TO DO: select the boxes for the **packaging types** used for Walmart Private Brand primary packaging

Bottle



Jug

Box

Bag
(inner package -inside box)

Notes:

- Ecommerce packaging/shipping packaging are **not considered** primary packaging
- Inner packaging materials (like the plastic bag used to hold the pancake mix or dunnage for General Merchandise packaging) **should be selected**
- The outer wrap for multipack water bottles **should be selected** as bags/films/pouches/sachet

Identify base materials

Questions to Answer

Identify and select the base materials of your package:

- The base material of a PET water bottle is PET
- The base material of a box is paperboard

Example Products

Example of Survey Question

PACKAGING FORMAT Edit

Bottle/Jug

Completed

BOTTLE/JUG Material type

Regarding the above packaging format, please select the types of materials used.

☑ PET	☑ HDPE	☐ PVC	☐ LDPE
☐ LLDPE	☐ PP	☐ PS	☐ EPS
☐ Other plastic (PETG, ...	☐ Glass	☐ Other non-plastic	

WHAT TO DO: Identify the **base material** of the package for each packaging type

= PET

= HDPE

Notes:

- A package can be made out of multiple materials. The "base material" is the material that makes up the majority of the package
  - For example, a PET bottle may have a cap and label made out of another material, but the base material is PET. **Caps / closures are not included as part of the base material.**
- If the products you produce are sold in the *same packaging type* (e.g., bottles/jugs) but are made of out of a *different base material* (e.g., PET and HDPE), *please capture all the base materials used*
  - Different sizes/flavors/scents does not impact how you answer these questions. Cap weight excluded if different than base material.

Enter number of units

Questions to Answer

How many packaging / consumer units do you sell for each packaging format and material?

Example Products

Example of Survey Question

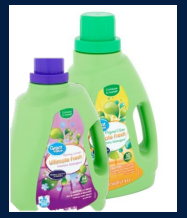
BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg	0 kg	60 kg	0 kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg	0 kg	0 kg

WHAT TO DO:
Identify the **base material** of the package for each packaging type

= PET



= HDPE

Notes:

- Calculate your number of packaging units per packaging format and material.
- A packaging unit is a consumer unit or selling unit (what the customer purchases).
- Example: A case of a 40 pack of bottles **is one consumer unit.**
- Example: One milk jug is **one consumer unit**

Enter weight of packaging

Questions to Answer

What is the sum of primary packaging by material?

Example Products

Example of Survey Question

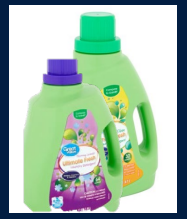
BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg	0 kg	60 kg	0 kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg	0 kg	0 kg

WHAT TO DO: Identify the **base material** of the package for each packaging type

= PET



= HDPE

Notes:

- Aggregate the total weight of primary packaging by material type.
- For example: If you sell PET bottles you would put the total weight of ALL PET bottles **not** the weight of just one bottle.
- Pay close attention to the unit of measurement you are using to ensure accuracy.

Determine if your packaging is designed for recycling

Questions to Answer

Is your package designed for recycling?

Example Products

Example of Survey Question

BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg). i.e., Meets the green pages or applicable yellow pages of the Recycling Playbook or has been reviewed by How2Recycle and given an overall rating of 'optimal', or 'recyclable but needs improvement'	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg		120.00 kg	0 kg	60 kg	0 kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg	0 kg	0 kg

WHAT TO DO: Determine how many of your packages meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material.**

Notes:

- If your packaging is designed for recycling, ensure you input your data. The next column, "weight of packaging where a system of recycling exists in practice and at scale" is auto-calculated based on your entry in the "weight of packaging designed for recycling" column.
- One cannot identify if a package is or isn't designed for recycling by only looking at the packaging type or the base material. Both packaging type + base material must be looked at together
  - E.g., not all bottles are designed for recycling, not all PET is designed for recycling, and not all PET bottles are designed for recycling
- Labels, adhesives, and other design elements may cause a package to be not recyclable.
- Refer to the green or applicable yellow pages in Walmart's Recycling Playbook for more information.

Use the Walmart Recycling Playbook to determine if your packaging is designed for recycling

Questions to Answer

Is your package designed for recycling?

What to do

Check the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material** to verify if your packaging is designed for recycling

Use the Recycling Playbook

Optimize

Recyclable packages

Small issues can be detrimental or make a package not compatible with recycling (e.g., color, labels)

ACTION:
Use this playbook to help design out elements not recyclable and detrimental to recycling

Change

Packages that are not recyclable

These may contaminate high value recycling streams or have feasible replacements

ACTION:
Switch to a recyclable package, see this playbook for ideas

Advance

Packages that are not widely recyclable

Barriers in recycling systems at this time

ACTION:
Invest and engage in the development of a recycling, reuse, take-back, or composting solution

Review weight of packaging where a system of recycling exists in practice and at scale

Questions to Answer

Is your package designed for optimizing and advancing recycling?

Example Products

Example of Survey Question

BOTTLE/JUG Data entry

Hide

Watch this video and then enter data for each packaging format selected above

AUTO-CALCULATED

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg	0 kg	60 kg	0 kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg	0 kg	0 kg

WHAT TO DO: Review the number that is auto-calculated here. This number is based on your data entry in "Weight of packaging designed for optimizing and advancing recycling" and

Notes:

- Walmart utilizes the Ellen MacArthur Foundation's definition for recyclability, and ISO definitions for recycled content, compostability, and reuse for purposes of measuring progress on Walmart's global sustainability goals
  - The definition for each packaging type + base material is geographically agnostic. Each country will use the same definition and criteria to determine if a package is or isn't recyclable, reusable, or industrially compostable
- One cannot identify if a package is or isn't recyclable by only looking at the packaging type or the base material. Both packaging type + base material must be looked at together
  - E.g., not all bottles are recyclable, not all PET is recyclable not all PET bottles are recyclable
- Labels, adhesives, and other design elements may cause a package to be not recyclable. Refer to Walmart's Recycling Playbook

Identify if your packaging is certified industrially compostable

Questions to Answer

Is your package certified industrially compostable?

Example Products

Example of Survey Question

BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg		kg	0 kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg	0 kg	0 kg

(i.e., certified by Biodegradable Products Institute (BPI) or equivalent for non-US markets)

WHAT TO DO: Determine how much of your packaging is certified industrially compostable (i.e., certified by Biodegradable Products Institute (BPI) or equivalent for non-US markets) for each **packaging type + base material.**

Notes:

- Only input data here if your packaging is **certified industrially compostable by BPI or equivalent for non-US markets.**
- Walmart utilizes the Ellen MacArthur Foundation's definition for recyclability, and ISO definitions for recycled content, compostability, and reuse for purposes of measuring progress on Walmart's global sustainability goals
  - The Ellen MacArthur Foundation's definition for each packaging type + base material is geographically agnostic. Each country will use the same definition and criteria to determine if a package is or isn't recyclable, reusable, or industrially compostable

Identify if your packaging uses post-consumer recycled content

Questions to Answer

Do you use post-consumer recycled content?

- Identify if it is post-consumer, pre-consumer or post industrial

Example Products

Example of Survey Question

BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg	0		kg
HDPE	50000	300 kg	300 kg	300.00 kg	0		kg

Post-consumer recycled content (PCR): material generated by households or by commercial, industrial and institutional facilities in their role as end users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain. Note: Pre-consumer recycled and post-industrial content does NOT count as PCR.

WHAT TO DO: Determine the **weight of post-consumer recycled content** used for each **packaging type+ base material**

Notes:

- Walmart utilizes the Ellen MacArthur Foundation's definition for recyclability, and ISO definitions for recycled content, compostability, and reuse for purposes of measuring progress on Walmart's global sustainability goals
  - Recyclable and recycled content are two different definitions – ensure you are using the correct one
  - Post-consumer is not the same as pre-consumer or post-industrial recycled content.
  - **ONLY input post-consumer recycled content data into the survey.** Pre-consumer and post-industrial are **NOT** in-scope.

Identify if your packaging uses **sustainably sourced bio-based content**

Questions to Answer

Does your packaging use sustainability sourced bio-based content?

Example Products

Example of Survey Question

BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg	0 kg		kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg		kg

Bio-Based: Made from renewal resources instead of fossil fuels. Example of renewable carbon resources include corn, potatoes, rice, soy, sugarcane, wheat, and vegetable oil. A biobased plastic can be partly or entirely bio-based. Note: Bio-Based does NOT mean the package is biodegradable, recyclable, or compostable.

WHAT TO DO: Determine the **weight of sustainably sourced bio-based content**

Notes:

- Bio-Based materials are made from renewal resources instead of fossil fuels.
- Examples of renewable carbon resources include corn, potatoes, rice, soy, sugarcane, wheat, and vegetable oil.
- A biobased plastic can be partly or entirely bio-based.
- Bio-Based does NOT mean the package is biodegradable, recyclable, or compostable.

Do the math: packaging weight

Questions to Answer

How many units do you have for each packaging type?
- Sum the total units

How much does each package type weigh?
- Sum the total weight in your selected unit of measurement

Example Products

Example of Survey Question

BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg	0 kg	60 kg	0 kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg	0 kg	0 kg

WHAT TO DO:

1. Identify the TOTAL number of units* and weight of ALL primary packaging For each **packaging type + base material.** (cap weight excluded if different material than the base material)*

2. Enter data on ALL tabs

Notes:
*A packaging unit is a consumer unit or selling unit (what the customer purchases). Example: A case of a 40 pack of bottles is one consumer unit. One milk jug is one consumer unit.

PET BOTTLE/JUG

10,000 units sold

Weight of 1 unit is .012 kg

.012 kg x 10,000 = 120 kg PET bottles

HDPE BOTTLE/JUG

30,000 units sold

Weight of 1 unit is .005 kg

.005 kg x 30,000 = **150 kg HDPE bottles**

20,000 units sold

Weight of 1 unit is .0075 kg

.0075kg x 20,000 = **150 kg HDPE bottles**

Weight of ALL HDPE primary packaging = **300 kg**

*cap weight is excluded if it is a different material than the base material (refer to slide 20 for more information on base materials)

Calculate the weight of packaging designed for recycling for each unit

Questions to Answer

How many tons of packaging are:

- Using bio-based content
- Packaging designed for recycling
- Using post-consumer recycled content
- Certified Industrial Compostable
- Using bio-based content

Example Products

Example of Survey Question

BOTTLE/JUG Data entry — Hide

Watch this video and then enter data for each packaging format selected above

Packaging Material	Number of units	Weight of ALL primary packaging (kg)	Weight of packaging designed for recycling (kg).	Weight of packaging where a system of recycling exists in practice and at scale (kg)	Weight of packaging that is certified compostable (kg)	Post-consumer recycled content weight (kg)	Sum sustainable sourced bio-based weight (kg)
PET	10000	120 kg	120 kg	120.00 kg	0 kg	60 kg	0 kg
HDPE	50000	300 kg	300 kg	300.00 kg	0 kg	0 kg	0 kg

WHAT TO DO: For each **packaging type + base material,** identify the TOTAL weight of ALL packaging

- designed for recycling
- industrially compostable
- using post-consumer recycled content

Enter data for each tab.

PET BOTTLE/JUG

10,000 units sold

Weight of 1 unit is .012 kg - entire bottle is designed for recycling

.012 kg x 10,000 = **120 kg PET bottles designed for recycling**

HDPE BOTTLE/JUG

30,000 units sold

Weight of 1 unit is .005 kg – entire bottle is designed for recycling

.005 kg x 30,000 = **150 kg HDPE bottles designed for recycling**

20,000 units sold

Weight of 1 unit is .0075 kg - entire bottle is designed for recycling

0075kg x 20,000 = **150 kg HDPE bottles designed for recycling**

Weight of ALL HDPE bottles designed for recycling = **300 kg**

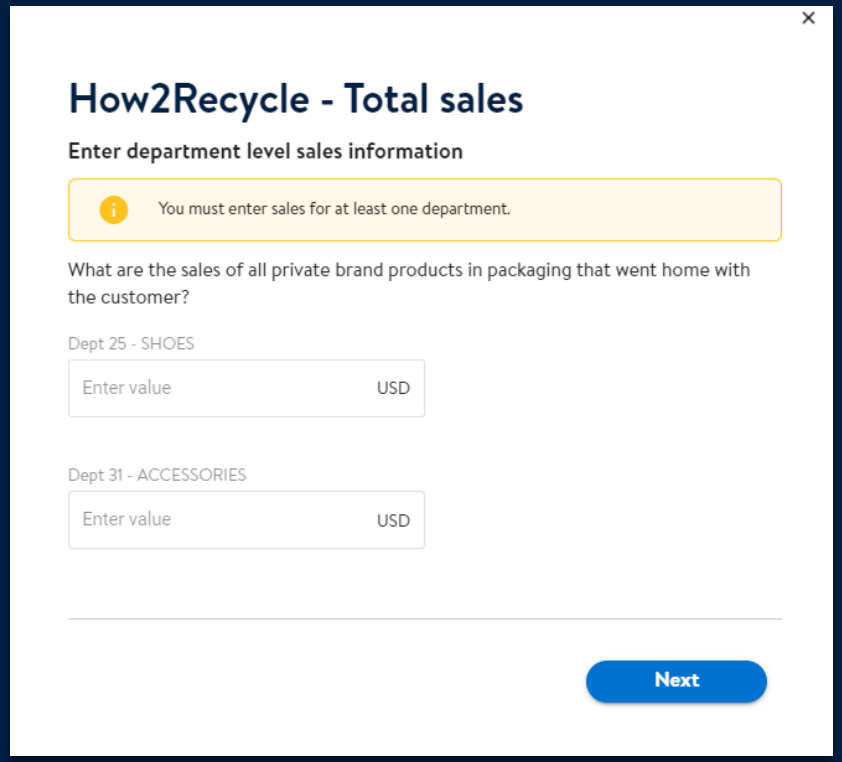
For Private Brand Products sold in Walmart US, Sam's Club US, & Walmart Canada only: How2Recycle sales question

Questions to Answer

Sales of all Private Brand products in packaging that went home with the customer (i.e., primary packaging)

Example Products

Example of Survey Question



WHAT TO DO: Identify the TOTAL POS for all Private Brand products. Subtract the POS for any Private Brand products that do NOT have packaging that goes home with the customer.

All Private Brand products =

POS for ALL Private Brand products = $X + $Y + $Z

Any Private Brand Products without Primary Packaging? = No *(If a company answers yes, please subtract the POS sales of those products that do not use primary packaging)*

Notes:

- In most cases, Private Brand products will have primary packaging
- Examples of products without primary packaging includes, but not limited to:
  - Loose produce
  - Apparel with hang tags < 2.5 in. (6.35 cm)
  - General Merchandise product with only a sticker
- Sales of ALL private brand products = POS

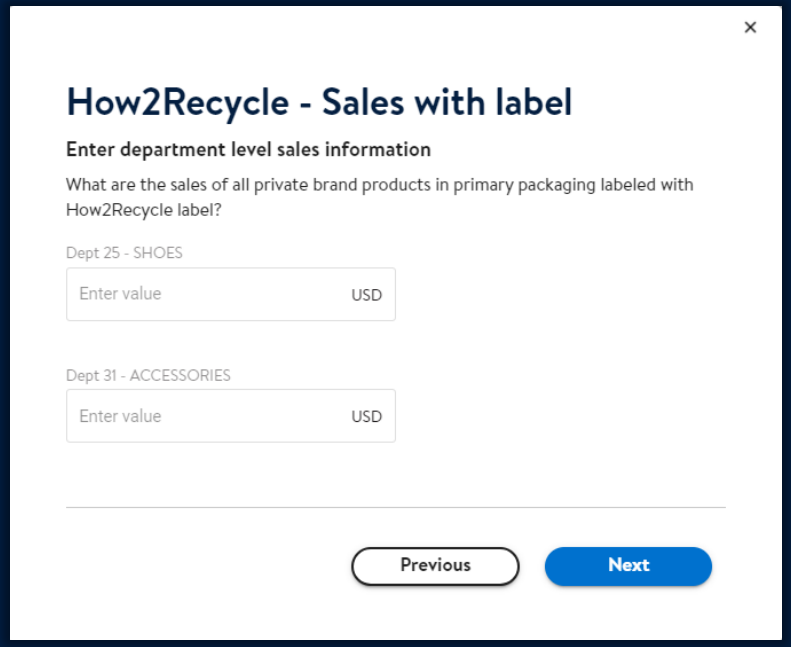
For Private Brand Products sold in Walmart US, Sam's Club US, & Walmart Canada only: How2Recycle sales question

Questions to Answer

Overall use of the How2Recycle label on package, as % of sales

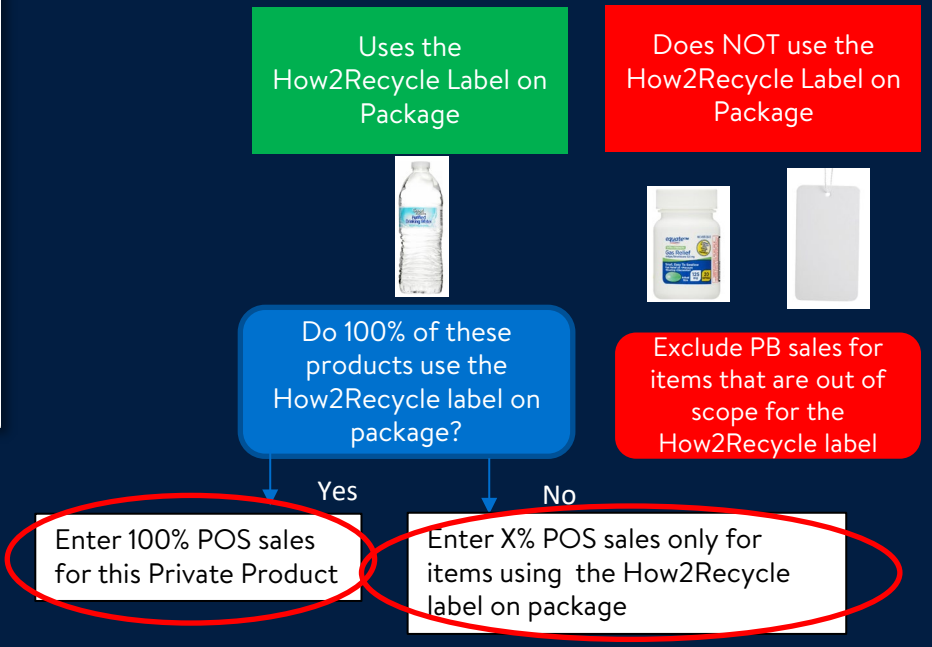
Example Products

Example of Survey Question



WHAT TO DO: Identify which Private Brand products have the How2Recycle label on package*?

** the only packaging out scope for How2Recycle labeling include apparel hangtags and those <2.5 inches, small labeling panels, and items affected by regulatory restrictions*



For Private Brand Products NOT sold in the US & Canada markets:

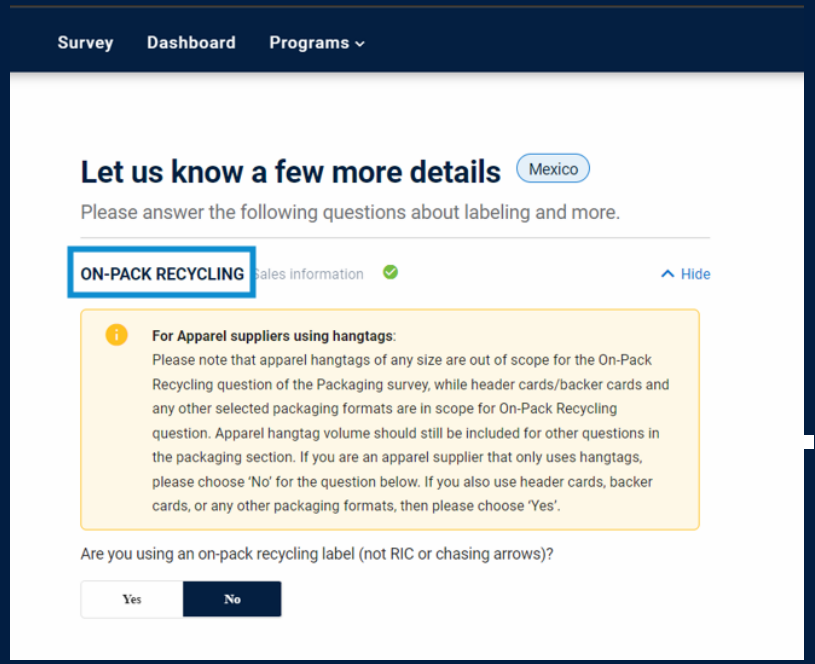
On-Pack Labeling sales question

Questions to Answer

Sales of all Private Brand products in packaging that went home with the customer (i.e., primary packaging)

Example Products

Example of Survey Question



WHAT TO DO: Identify the TOTAL POS for all Private Brand products. Subtract the POS for any Private Brand products that do NOT have packaging that goes home with the customer.

All Private Brand products =

POS for ALL Private Brand products = $X + $Y + $Z

Any Private Brand Products without Primary Packaging? = No

(If a company answers yes, please subtract the POS sales of those products that do not use primary packaging)

Notes:

- In most cases, all Private Brand products will have primary packaging
- Examples of products without primary packaging includes, but not limited to:
  - Loose produce
  - Apparel with hand tags < 2.5 in. (6.35 cm)
  - General Merchandise product with only a sticker
- Sales of ALL private brand products = POS

For Private Brand Products sold in Walmart US, Sam's Club US, & Walmart Canada only: How2Recycle SKU question

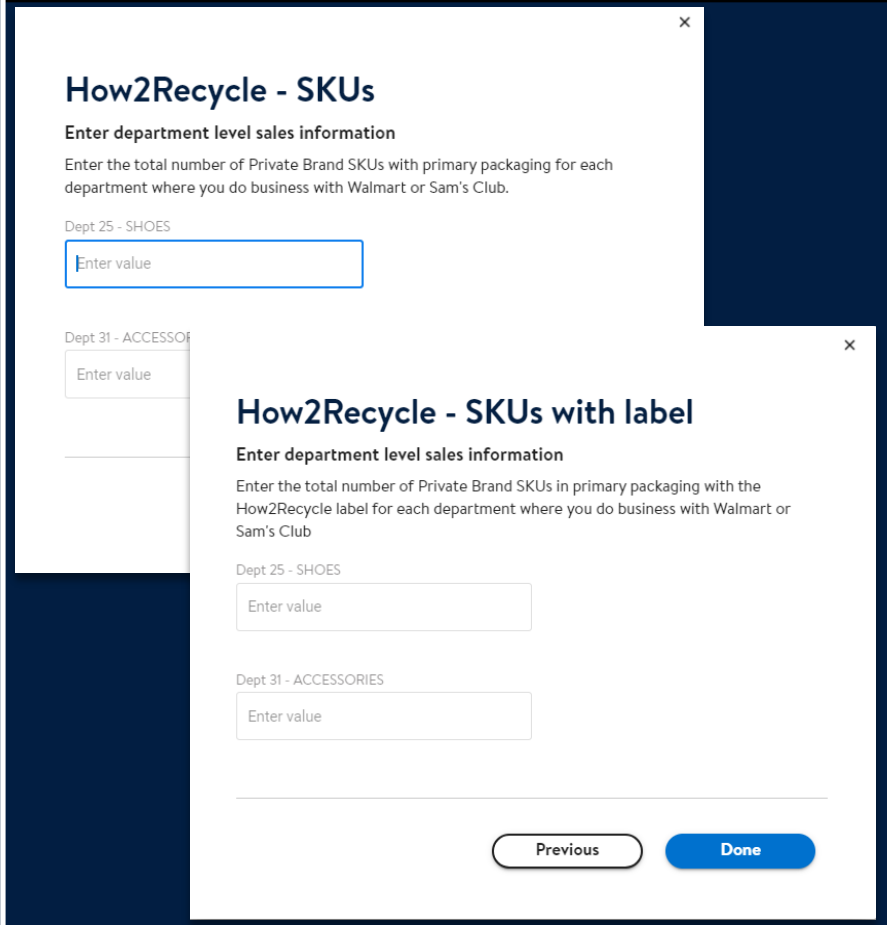
Questions to Answer

Total number of Private Brand SKUs

Total number of Private Brand SKUs with the How2Recycle label

Example Products

Example of Survey Question



WHAT TO DO: Identify the number of all Private Brand SKUs with primary packaging and enter the number.

Remember, a SKU is a unique UPC item. For example, if one of the items you sell is a 24-count pack of water bottles and you sell 1 million 24-count packs, that is only 1 SKU. If you sell a 24-count pack of water bottles and a 6-count pack of flavored water, then you have 2 SKUs.

Do NOT include Private Brand products that do NOT have packaging that goes home with the customer.

Identify which Private Brand SKUs with primary packaging have the How2Recycle label on package and enter the number.

Notes:

- In most cases, all Private Brand products will have primary packaging
- Examples of products without primary packaging includes, but not limited to:
  - Loose produce
  - Apparel with hang tags <2.5 in. (6.35 cm)
  - General Merchandise product with only a sticker

For Private Brand Products NOT sold in the US & Canada markets:

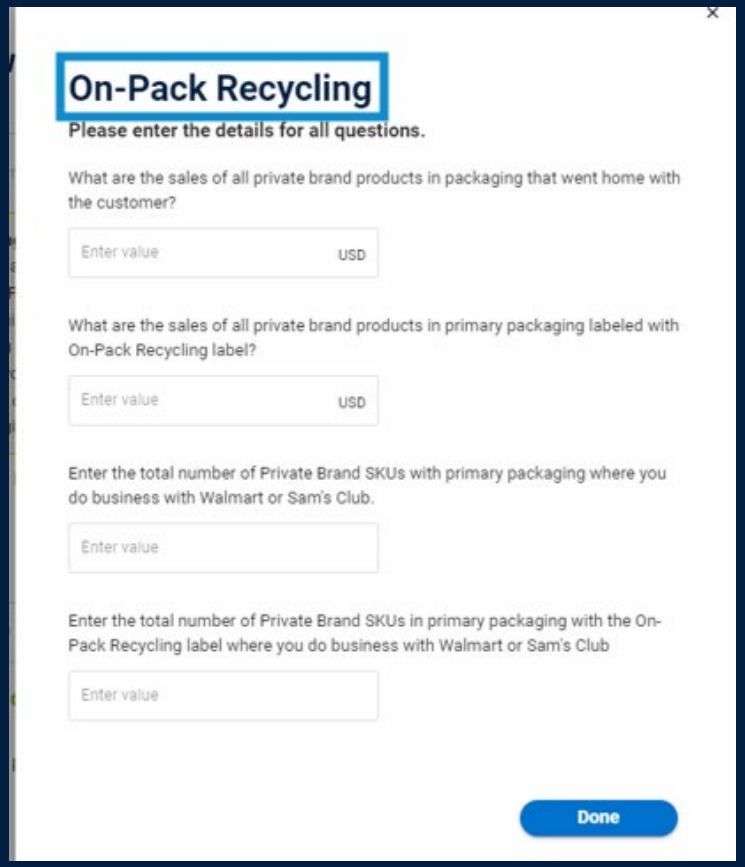
On-Pack Labeling sales question

Questions to Answer

Overall use of labeling on packaging that informs customers what do to with packaging at its end of life, as % of sales.

Example Products

Example of Survey Question



WHAT TO DO: Identify which Private Brand products have on-pack recycling labeling on package? Labeling should:

- Be consumer facing
- **NOT just be the resin identification codes** in the chasing arrows

For Private Brand Products NOT sold in the US & Canada markets:

On-Pack Labeling SKU question

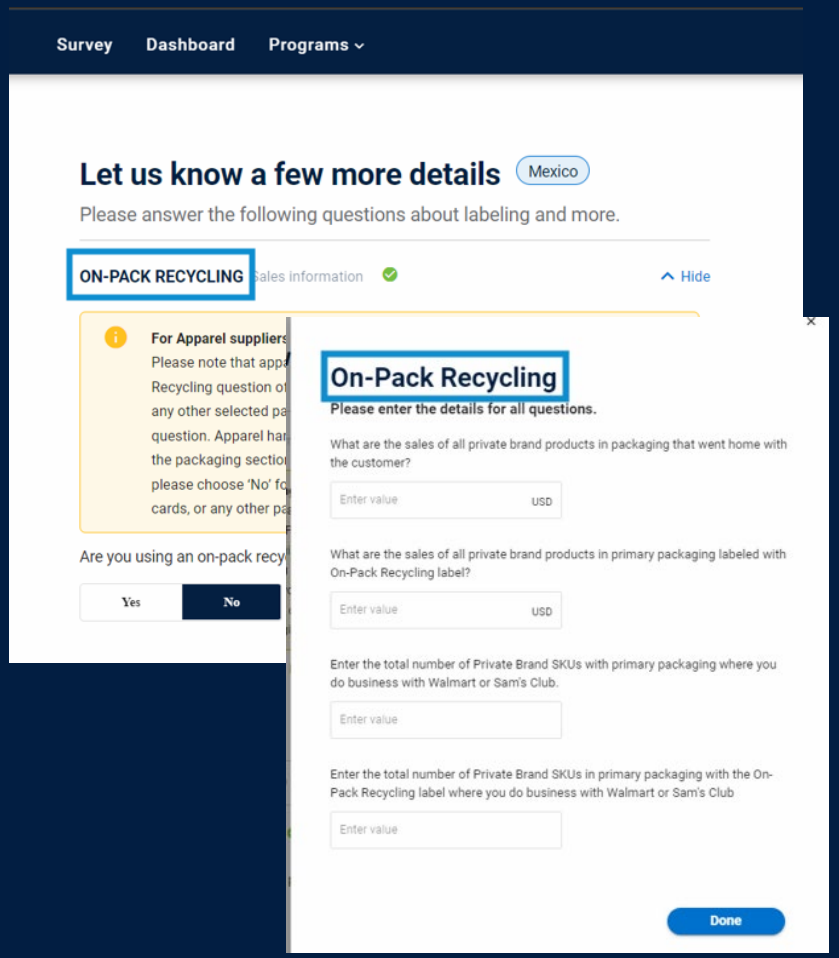
Questions to Answer

Total number of Private Brand SKUs

Total number of Private Brand SKUs with the recycling labeling on packaging

Example Products

Example of Survey Question



WHAT TO DO: Identify the number of all Private Brand SKUs with primary packaging and enter the number.

Remember, a SKU is a unique UPC item. For example, if one of the items you sell is a 24-count pack of water bottles and you sell 1 million 24-count packs, that is only 1 SKU. If you sell a 24-count pack of water bottles and a 6-count pack of flavored water, then you have 2 SKUs.

Do NOT include Private Brand products that do NOT have packaging that goes home with the customer.

Identify which Private Brand SKUs with primary packaging have the recycling labeling on the package and enter the number.

Notes:

- In most cases, all Private Brand products will have primary packaging
- Examples of products without primary packaging includes, but not limited to:
  - Loose produce
  - Apparel with hang tags <2.5 in. (6.35 cm)
  - General Merchandise product with only a sticker

Is Your Packaging Designed for Recycling?

Use The Recycling Playbook to determine if your packaging is designed for recycling

Check the Recycling Playbook to determine if your packaging is designed recycling.

Find the Recycling Playbook here: Walmart Sustainability Hub > Waste > Sustainable Packaging

Optimize

Recyclable packages

Small issues can be detrimental or make a package not compatible with recycling (e.g., color, labels)

ACTION:
Use this playbook to help design out elements not recyclable and detrimental to recycling

Change

Packages that are not recyclable

These may contaminate high value recycling streams or have feasible replacements

ACTION:
Switch to a recyclable package, see this playbook for ideas

Advance

Packages that are not widely recyclable

Barriers in recycling systems at this time

ACTION:
Invest and engage in the development of a recycling, reuse, take-back, or composting solution

Guidance document – bags, films, pouches, sachets

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
BAGS, FILM, POU..	Paper	Yes, proceed to step 2
BAGS, FILM, POU..	PE Plastic (HDPE, MDPE, LDPE, LLDPE)	Yes, proceed to step 2
BAGS, FILM, POU..	PVC / PVDC	No, package is NOT designed for recycling
BAGS, FILM, POU..	Other plastic (Nylon, PP, PLA, PET, multimaterial …)	No, package is NOT designed for recycling
BAGS, FILM, POU..	Other non-plastic	No, package is NOT designed for recycling

STEP TWO

Does your packaging contain any of the following?

The package is NOT designed for recycling if it uses any of the below

PAPER-BASED

- **Color, Layers, or Additives:** Plastic/polymer treatments or layers on fiber-based components, treatments that require plastic/polymers (most holograms, high gloss), wax, UV coatings, metalized films, foils, wet strength additives*, dark colors, fragrances
- **Attachments and Adhesives:** Metal, magnetic closures, electronics, RFIDs, PET, PLA, PP, PS, PVC, hot melt adhesives, stickers and adhesives*
- **Labels:** Metal foil, metalized printing, PET, PLA, PP, PS, PVC

**unless passes Western Michigan University testing*

PE BAGS & FILM

- **Resin:** Non-PE resins mixed in
- **Resin Color or Additives:** Dark colors, PVC, PVDC, metalized layers, fillers that alter the blend density to be greater than 1.0, starch resins, or degradable additives
- **Attachments or closures:** Metal, foils, PET, PLA, PP, PS, PVC, RFIDs
- **Labels:** Metal, foil, metalized printing, paper, PET, PLA, PP, PS, PVC

Refer to the **Bags, Films, and Pouches section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – Bottle & Jug

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

STEP TWO

Does your packaging contain any of the following?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
BOTTLE & JUG	PET	Yes, proceed to step 2
BOTTLE & JUG	HDPE	Yes, proceed to step 2
BOTTLE & JUG	PVC / PVDC	No, package is NOT designed for recycling
BOTTLE & JUG	LDPE	Yes, proceed to step 2
BOTTLE & JUG	LLDPE	Yes, proceed to step 2
BOTTLE & JUG	PP	Yes, proceed to step 2
BOTTLE & JUG	PS	No, package is NOT designed for recycling
BOTTLE & JUG	EPS	No, package is NOT designed for recycling
BOTTLE & JUG	Other plastic (PETG, CPET, PC, multimaterial, or blended resins)	No, package is NOT designed for recycling
BOTTLE & JUG	Other non- plastic	No, package is NOT designed for recycling

The package is NOT designed for recycling if it uses any of the below

PET RIGIDS	HDPE & PP RIGIDS	LDPE RIGIDS
• Opaque or non clear, transparent, light blue or green • PETG bottles • PVC components (including labels) • Degradable additives • Large labels *(that aren't APR approved)* • Metal attachments	• PVC components (including labels) • Degradable additives • Large amounts of heavy fillers • Large labels *(that aren't APR approved)* • Metal attachments	• **Resin Color or Additives:** Dark colors, optical brighteners, degradable additives • **Attachments & Closures:** Metal, foils, PP, PVC, floating silicone polymer, RFIDs • **Labels:** paper, PVC, PLS, PS, metal foils, non-APR preferred labels

Refer to the **Bottles, Jars, Jugs, and Tubs section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – Box / Window Box

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
BOX	Paperboard	Yes, proceed to step 2
BOX	Corrugate	Yes, proceed to step 2
BOX	Molded Pulp/Fiber	Yes, proceed to step 2
BOX	PET	Yes, proceed to step 2
BOX	Other non-plastic	No, package is NOT designed for recycling
BOX	EPS	No, package is NOT designed for recycling
BOX	Paperboard with Plastic	No, package is NOT designed for recycling
BOX	Corrugate with Plastic	No, package is NOT designed for recycling
BOX	PVC / PVDC	No, package is NOT designed for recycling
BOX	Other Plastic ((PET, HDPE, PP…)	No, package is NOT designed for recycling

STEP TWO

Does your packaging contain any of the following?

The package is NOT designed for recycling if it uses any of the below

PAPERBOARD, CORRUGATE, & MOLDED FIBER

- **Color, Layers, or Additives:** Plastic/polymer treatments or layers on fiber-based components, treatments that require plastic/polymers (most holograms, high gloss), wax, UV coatings, metalized films, foils, wet strength additives*, dark colors, fragrances
- **Attachments and Adhesives:** Metal, magnetic closures, electronics, RFIDs, PET, PLA, PP, PS, PVC, hot melt adhesives, stickers and adhesives*
- **Labels:** Metal foil, metalized printing, PET, PLA, PP, PS, PVC
- **Dunnage & Padding:** EPS and other expanded resin materials

**unless passes Western Michigan University testing*

PET

- **Resin:** Foamed/expanded PET (that floats), PETG, or Other resins mixed in Resin Color or Additives
- **Color or Additives**: Transparent colors, opaque colors, dark colors), degradable additives or biodegradability additives, PETG, PS, EPS, PVC, PVDC
- **Attachments/Closures:** RFIDs; Metal, foils, PS, PVC, PLA, PETG
- **Labels and Adhesives** Metal foil, metalized printing, PS, PVC, PLA, PETG, paper labels not APR Preferred or that do not pass APR testing**; label coverage** for containers of 550 ml or less labels that cover more than 55% of the bottle surface area with label, for containers greater than 550 ml labels that covert more than 70% of the bottle surface area with label; **Inks**: Bleeding inks or direct printing that do not pass APR testing, minimize direct printing on the container

Refer to the **Box section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – Cans, canisters, cartons

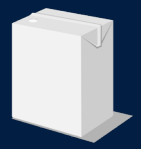
STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
CANS, CANNISTE..	Metal (Aluminum, Steel, tin)	Yes, proceed to step 2
CANS, CANNISTE..	Paper-based w/o metal	Yes, proceed to step 2
CANS, CANNISTE..	Paper-based w/metal	No, package is NOT designed for recycling

STEP TWO

Does your packaging contain any of the following?





The package is NOT designed for recycling if it uses any of the below

METAL CONTAINERS

- **Attachments & Closures**: Plastic, stickers
- **Labels:** Stickers, full body plastic sleeves

PAPER-BASED PACKAGING

- **Color, Layers, or Additives:** Plastic/polymer treatments or layers on fiber-based components, treatments that require plastic/polymers (most holograms, high gloss), wax, UV coatings, metalized films, foils, wet strength additives*, dark colors, fragrances
- **Attachments and Adhesives:** Metal, magnetic closures, electronics, RFIDs, PET, PLA, PP, PS, PVC, hot melt adhesives, stickers and adhesives*
- **Labels:** Metal foil, metalized printing, PET, PLA, PP, PS, PVC
- **Dunnage & Padding:** EPS and other expanded resin materials

**unless passes Western Michigan University testing*

Refer to the **Canisters and Cartons** and **Cans sections of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – Foam cushion, dunnage, inserts

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
FOAM CUSHION..	PE film/pillow	Yes, proceed to step 2
FOAM CUSHION..	EPE	No, package is NOT designed for recycling
FOAM CUSHION..	EPP	No, package is NOT designed for recycling
FOAM CUSHION..	Other plastic film/pillow	No, package is NOT designed for recycling
FOAM CUSHION..	Expanded Polystyrene (EPS)	No, package is NOT designed for recycling
FOAM CUSHION..	Molded Pulp/Fiber	Yes, proceed to step 2
FOAM CUSHION..	Corrugate	Yes, proceed to step 2
FOAM CUSHION..	Paperboard	Yes, proceed to step 2
FOAM CUSHION..	Other non-plastic	No, package is NOT designed for recycling

STEP TWO

Does your packaging contain any of the following?

The package is NOT designed for recycling if it uses any of the below

PE FILM

- **Resin:** Non-PE resins mixed in
- **Resin Color or Additives:** Dark colors, PVC, PVDC, metalized layers, fillers that alter the blend density to be greater than 1.0, starch resins, or degradable additives
- **Attachments or closures:** Metal, foils, PET, PLA, PP, PS, PVC, RFIDs
- **Labels:** Metal, foil, metalized printing, paper, PET, PLA, PP, PS, PVC

FIBER-BASED

- **Color, Layers, or Additives:** Plastic/polymer treatments or layers on fiber-based components, treatments that require plastic/polymers (most holograms, high gloss), wax, UV coatings, metalized films, foils, wet strength additives*, dark colors, fragrances
- **Attachments and Adhesives:** Metal, magnetic closures, electronics, RFIDs, PET, PLA, PP, PS, PVC, hot melt adhesives, stickers and adhesives*
- **Labels:** Metal foil, metalized printing, PET, PLA, PP, PS, PVC
- **Dunnage & Padding:** EPS and other expanded resin materials

**unless passes Western Michigan University testing*

Refer to the **Cushion, Dunnage, & Inserts sections of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – Hang Tags, Backer Cards, Header Cards

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

STEP TWO

Does your packaging contain any of the following?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
HANG TAGS, BACKER	Paperboard	Yes, proceed to step 2
HANG TAGS, BACKER	Paper	Yes, proceed to step 2
HANG TAGS, BACKER	Corrugate	Yes, proceed to step 2
HANG TAGS, BACKER	PE Plastic (HDPE, MDPE, LDPE, LLDPE)	No, package is NOT designed for recycling
HANG TAGS, BACKER	PVC / PVDC	No, package is NOT designed for recycling
HANG TAGS, BACKER	Other plastic	No, package is NOT designed for recycling
HANG TAGS, BACKER	paperboard with plastic	No, package is NOT designed for recycling
HANG TAGS, BACKER	corrugate with plastic	No, package is NOT designed for recycling

The package is NOT designed for recycling if it uses any of the below

PAPER BASED

- <2.5 inches
- **Color, Layers, or Additives:** Plastic/polymer treatments or layers on fiber-based components, treatments that require plastic/polymers (most holograms, high gloss), wax, UV coatings, metalized films, foils, wet strength additives*, dark colors, fragrances
- **Attachments and Adhesives:** Metal, magnetic closures, electronics, RFIDs, PET, PLA, PP, PS, PVC, hot melt adhesives, stickers and adhesives*
- **Labels:** Metal foil, metalized printing, PET, PLA, PP, PS, PVC
- **Dunnage & Padding:** EPS and other expanded resin materials

**unless passes Western Michigan University testing*

Refer to the **Box section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – jars, tubs, pails

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
JARS, TUBS, CUPS,	PET	Yes ,Proceed to step 2
JARS, TUBS, CUPS,	HDPE	Yes ,Proceed to step 2
JARS, TUBS, CUPS,	PVC	No, package is NOT designed for recycling
JARS, TUBS, CUPS,	LDPE	Yes ,Proceed to step 2
JARS, TUBS, CUPS,	LLDPE	Yes ,Proceed to step 2
JARS, TUBS, CUPS,	PP	Yes ,Proceed to step 2
JARS, TUBS, CUPS,	PS	No, package is NOT designed for recycling
JARS, TUBS, CUPS,	EPS	No, package is NOT designed for recycling
JARS, TUBS, CUPS,	Other plastic (PETG, PC, multimaterial, blended resins)	No, package is NOT designed for recycling is NOT recyclable
JARS, TUBS, CUPS,	Glass	Yes, Proceed to Step 2

STEP TWO

Does your packaging contain any of the following?

The package is NOT designed for recycling if it uses any of the below

PET RIGIDS	HDPE & PP RIGIDS	LDPE RIGIDS
• Opaque or non clear, transparent, light blue or green • PETG bottles • PVC components (including labels) • Degradable additives • Large labels *(that aren't APR approved)* • Metal attachments	• PVC components (including labels) • Degradable additives • Large amounts of heavy fillers • Large labels *(that aren't APR approved)* • Metal attachments	• **Resin Color or Additives:** Dark colors, optical brighteners, degradable additives • **Attachments & Closures:** Metal, foils, PP, PVC, floating silicone polymer, RFIDs • **Labels:** paper, PVC, PLS, PS, metal foils, non-APR preferred labels

Refer to the **Bottles, Jars, Jugs, and Tubs section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – tray, clamshell, thermoform, cups

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
TRAY, CLAMSH…	Paperboard	Yes, proceed to step 2
TRAY, CLAMSH…	Molded Fiber	Yes, proceed to step 2
TRAY, CLAMSH…	PET	Yes, proceed to step 2
TRAY, CLAMSH…	HDPE	Yes, proceed to step 2
TRAY, CLAMSH…	PVC / PVDC	No, package is NOT designed for recycling
TRAY, CLAMSH…	LDPE	No, package is NOT designed for recycling
TRAY, CLAMSH…	LLDPE	No, package is NOT designed for recycling
TRAY, CLAMSH…	PP	Yes, proceed to step 2
TRAY, CLAMSH…	PS	No, package is NOT designed for recycling
TRAY, CLAMSH…	EPS	No, package is NOT designed for recycling
TRAY, CLAMSH…	Other plastic (PETG, CPET, PC, multimaterial, or blended resins)	No, package is NOT designed for recycling
TRAY, CLAMSH…	Aluminum	No, package is NOT designed for recycling

STEP TWO

Does your packaging contain any of the following?

The package is NOT designed for recycling if it uses any of the below

PAPER BASED	PET RIGIDS	HDPE & PP RIGIDS
• Metal • Magnetic closures • Radio-frequency identification • Double sided plastic/polymer/resin coatings	• Opaque or non clear, transparent, light blue or green • PETG bottles • PVC components (including labels) • Degradable additives • Large labels *(that aren't APR approved)* • Metal attachments	• PVC components (including labels) • Degradable additives • Large amounts of heavy fillers • Large labels *(that aren't APR approved)* • Metal attachments

Refer to the **Trays, Clamshells, & Thermoforms section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – Blister Pack

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

STEP TWO

Does your packaging contain any of the following?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
BLISTER PACK	PET plastic and fiber	No, package is NOT designed for recycling
BLISTER PACK	PVC plastic and fiber	No, package is NOT designed for recycling
BLISTER PACK	PE plastic and fiber	No, package is NOT designed for recycling
BLISTER PACK	Other	No, package is NOT designed for recycling
BLISTER PACK	Mono-material PE	Yes, package is designed for recycling

At this time, the only blister pack material that is designed for recycling is a mono-material PE blister. No blister packs are considered recyclable according to the Ellen MacArthur Foundation's definition.

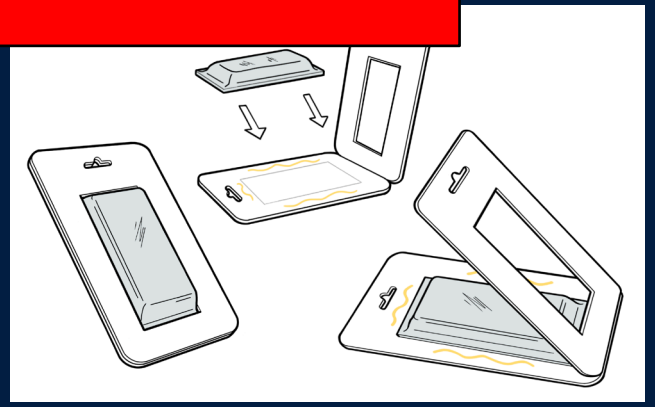
Guidance - Change to:

- A different format with a single material {e.g., paperboard box, PE bag)
- A similar format with materials that are easily separated and recyclable on their own {e.g., PET clamshell or tray with paper insert), or use the acceptable attachments noted in this playbook
- Avoid materials that are detrimental to plastic recycling {e.g., PVC, PETG, foils), including adhesives that remain on the plastic that are not compatible with recycling

Refer to the **Other Packages: Blister Packs section of** the Walmart Recycling Playbook to determine if your package is designed for recycling.

NEW

Guidance document – Trapped Blister



STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

STEP TWO

Does your packaging contain any of the following?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
TRAPPED BILISTER	Paperboard with PET	Yes, proceed to step 2
TRAPPED BILISTER	Corrugate with PET	Yes, proceed to step 2
TRAPPED BILISTER	Paperboard with PP	Yes, proceed to step 2
TRAPPED BILISTER	Corrugate with PP	Yes, proceed to step 2
TRAPPED BILISTER	PVC / PVDC	No, package is NOT designed for recycling
TRAPPED BILISTER	PE	No, package is NOT designed for recycling
TRAPPED BILISTER	Other plastic (PS, multimaterial, etc.)	No, package is NOT designed for recycling

The package is NOT designed for recycling if it uses any of the below

PAPER BASED	PET RIGIDS	PP RIGIDS
• Metal • Magnetic closures • Radio-frequency identification • Double sided plastic/polymer/resin coatings	• Opaque or non clear, transparent, light blue or green • PETG bottles • PVC components (including labels) • Degradable additives • Large labels *(that aren't APR approved)* • Metal attachments	• PVC components (including labels) • Degradable additives • Large amounts of heavy fillers • Large labels *(that aren't APR approved)* • Metal attachments

Refer to the **Trapped Blisters section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – tubes

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
TUBES	PVC / PVDC	No, package is NOT designed for recycling
TUBES	HDPE	Yes ,Proceed to step 2
TUBES	Other plastic	No, package is NOT designed for recycling
TUBES	Aluminum	No, package is NOT designed for recycling

STEP TWO

Does your packaging contain any of the following?

The package is NOT designed for recycling if it uses any of the below.

- Multimaterial
- <2” in more than one dimension

Guidance: Work to advance innovation of recyclable packaging or the development of an appropriate circular economy solution.
Develop package to be recycled in HDPE bottle or other stream

- Use a single plastic material with a recycling stream (e.g., HDPE)
- Colgate Palmolive announced in 2019 that it has a toothpaste tube that is recognized by the Association of Plastic Recyclers (APR) for recyclability, using an HDPE design
- For plastic, use coatings and additives proven to be compatible with recycling to add necessary functionality \
- Consider a different package material and format that is recyclable (e.g., paperboard box, PE bag)

Refer to the **Other Packages: Plastic Tubes with Multiple Materials section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

Guidance document – Small Packaging

STEP ONE

a) Does your packaging meet the green pages or applicable yellow pages of the Recycling Playbook for each **packaging type + base material**?

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
SMALL PACKAGING	PET	Yes ,Proceed to step 2
SMALL PACKAGING	HDPE	Yes ,Proceed to step 2
SMALL PACKAGING	PVC / PVDC	No, package is NOT designed for recycling
SMALL PACKAGING	LDPE	Yes ,Proceed to step 2
SMALL PACKAGING	LLDPE	Yes ,Proceed to step 2
SMALL PACKAGING	PP	Yes ,Proceed to step 2
SMALL PACKAGING	PS	No, package is NOT designed for recycling
SMALL PACKAGING	EPS	No, package is NOT designed for recycling
SMALL PACKAGING	Other plastic (PETG, CPET, PC, multimaterial, or blended resins)	No, package is NOT designed for recycling
SMALL PACKAGING	Glass	Yes ,Proceed to step 2
SMALL PACKAGING	Other non-plastic	No, package is NOT designed for recycling
SMALL PACKAGING	Molded Pulp/Fiber	Yes ,Proceed to step 2
SMALL PACKAGING	Corrugate	Yes ,Proceed to step 2
SMALL PACKAGING	Paperboard	Yes ,Proceed to step 2

STEP TWO

Does your packaging contain any of the following?

The package is NOT designed for recycling if it uses any of the below

PAPERBASED	PET RIGIDS	HDPE & PP RIGIDS	LDPE RIGIDS
• Metal • Magnetic closures • Radio-frequency identification • Double sided plastic/polymer/resin coatings	• Opaque or non clear, transparent, light blue or green • PETG bottles • PVC components (including labels) • Degradable additives • Large labels *(that aren't APR approved)* • Metal attachments	• PVC components (including labels) • Degradable additives • Large amounts of heavy fillers • Large labels *(that aren't APR approved)* • Metal attachments	• **Resin Color or Additives:** Dark colors, optical brighteners, degradable additives • **Attachments & Closures:** Metal, foils, PP, PVC, floating silicone polymer, RFIDs • **Labels:** paper, PVC, PLS, PS, metal foils, non-APR preferred labels

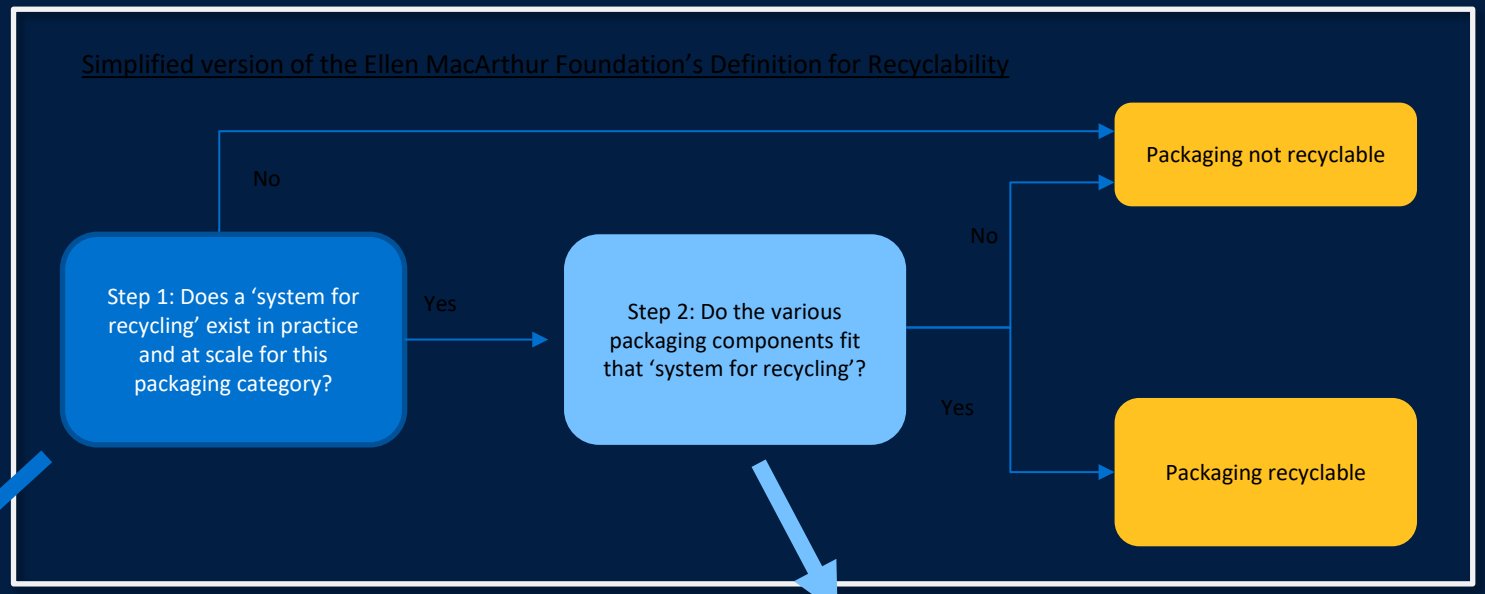
Refer to the **Trays, Clamshells, & Thermoforms section of the** Walmart Recycling Playbook to determine if your package is designed for recycling.

HOW RECYCLABILITY IS DETERMINED & FAQS

How recyclability is captured

Walmart utilizes the Ellen MacArthur Foundation's definition for recyclable, reusable, and industrially compostable packaging

The Ellen MacArthur Foundation's definition for each packaging type + base material is *geographically agnostic*. The system auto calculates this total for you when you enter in your packaging data into the survey . See the diagram below for more information on how recyclability of an item is determined.

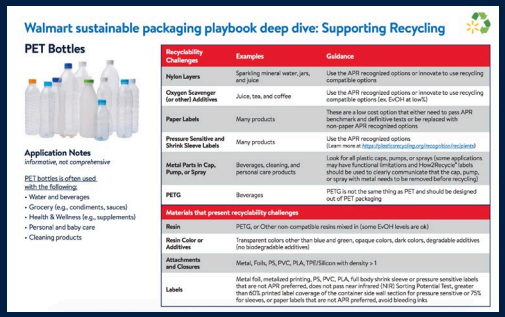


Walmart is referencing the Ellen MacArthur Foundation's guidance document to identify packaging that can proceed to Step 2.

Look for this chart on each guidance page.

PACKAGING TYPE	PACKAGING MATERIAL	STEP ONE: YES OR NO
BOTTLE & JUG	PET	Yes, proceed to step 2
BOTTLE & JUG	HDPE	Yes, proceed to step 2
BOTTLE & JUG	PVC	No, package is NOT recyclable
BOTTLE & JUG	LDPE	No, package is NOT recyclable
BOTTLE & JUG	LLDPE	No, package is NOT recyclable
BOTTLE & JUG	PP	Yes, proceed to step 2
BOTTLE & JUG	PS	No, package is NOT recyclable
BOTTLE & JUG	EPS	No, package is NOT recyclable
BOTTLE & JUG	Other plastic (PETG, CPET, PC, multimaterial, or blended resins)	No, package is NOT recyclable
BOTTLE & JUG	Other non- plastic	No, package is NOT recyclable

Walmart's Recycling Playbook is a resource to answer Step 2 of the Ellen MacArthur Foundation's recyclability definition



Walmart utilizes the Ellen Macarthur Foundation's definitions for recyclability, recycled content, compostability and reuse

Below are Walmart's summarized version of the Ellen MacArthur Foundation's definitions. For the Ellen MacArthur Foundation's full definitions, please visit: https://www.ellenmacarthurfoundation.org/assets/downloads/13319-Global-Commitment-Definitions.pdf

Recyclable

Definition: *If it is successful post-consumer collection, sorting, and recycling is proven to work in practice and at scale (1).*

(1) The suggested test and threshold to assess if the recyclability of a packaging design is proven 'in practice and at scale' is:

- *Does that packaging achieve a 30% post-consumer recycling rate in multiple regions, collectively representing at least 400 million inhabitants?*

The above threshold might be reviewed by EMF over time as more data becomes available.

PCR

Definition: *Proportion, by mass, of post-consumer (1) recycled material in a product or packaging.*

(1) Post-consumer recycled content (PCR) is material generated by households or by commercial, industrial and institutional facilities in their role as end users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.

Compostable

Definition: *If it is in compliance with relevant international compostability standards and if its successful post-consumer collection, (sorting), and composting is proven to work in practice and at scale.*

Bio-based

Definition: *Made from renewable resources instead of fossil fuels. Examples of renewable carbon resources include corn, potatoes, rice, soy, sugarcane, wheat, and vegetable oil. A biobased plastic can be partly or entirely biobased.*

*Note that just because a plastic product is biobased **does not** necessarily mean the product is biodegradable, recyclable or compostable.*

Reuse

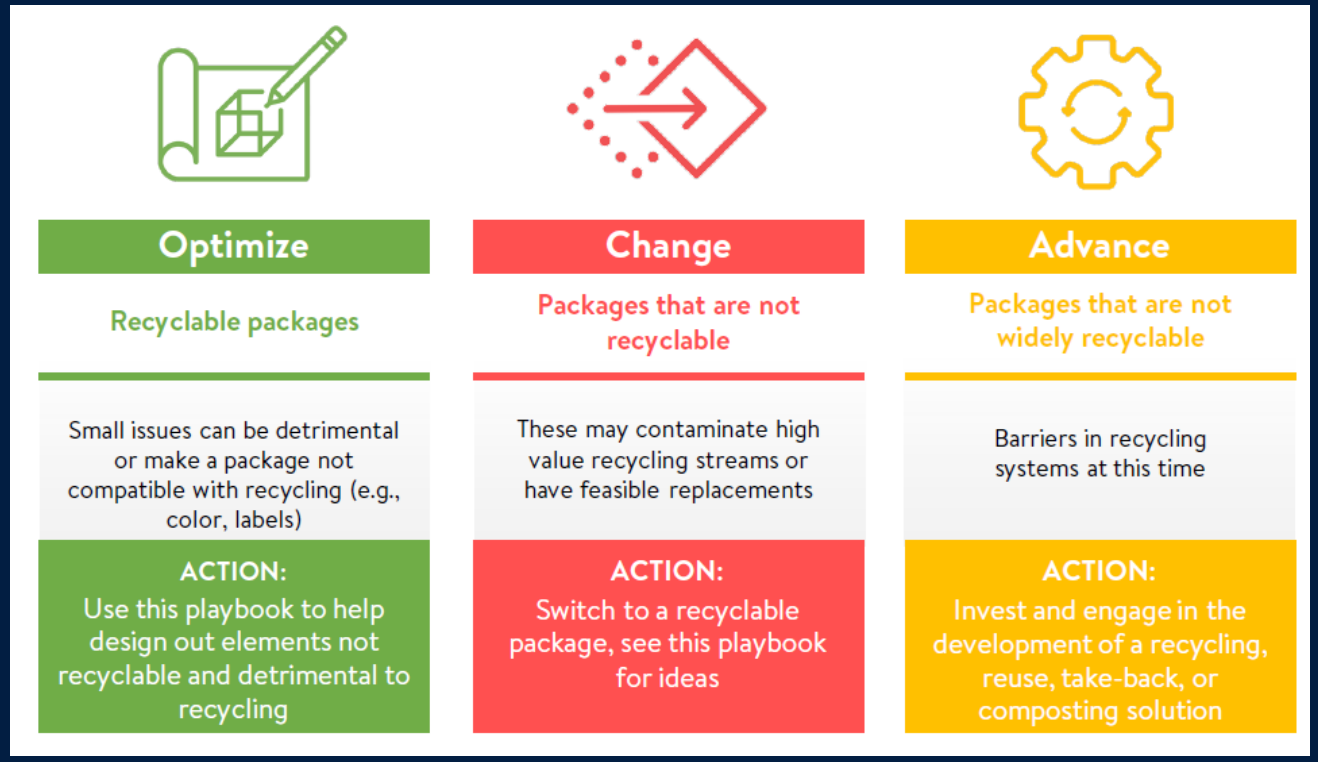
Definition: *Operation by which packaging is refilled or used for the same purpose for which it was conceived,*
with or without the support of auxiliary products present on the market, enabling the packaging to
be refilled.

Reusable packaging is packaging which has been designed to accomplish or proves its ability to accomplish a minimum number of trips or rotations in a system for reuse.

Packaging that does NOT meet the Ellen Macarthur Foundation's threshold for in-practice & at scale

NO packaging in the **red** or **yellow** pages of the Recycling Playbook meets the Ellen MacArthur Foundation's threshold for in-practice and at scale. This includes:

- Bottles made with PVC, LDPE, LLDPE, PS, EPS, Other plastic
- Blister packs
- Any non-HDPE tray, clamshell, thermoform, jar, tub, cup, or pail
- Tubes
- Paper based with metal cans, canisters, or cartons
- Plastic bags, films, pouches or sachets
- Plastic foam cushion, dunnage, inserts
- Plastic boxes or hang tags, backer or header cards
- Small packaging



Frequently asked questions

- **What is a primary package?**
  - Packaging that goes home with the customer *(this excludes: ecommerce/shipping packaging, shelf/retail ready packaging, PDQ trays, small hang tags (<2.5"), stickers)*
- **Why are some packaging type + base material listed as *not recyclable* in the survey, but identified as *recyclable* in the Walmart Recycling Playbook?**
  - Ellen MacArthur Foundation's definition of recyclability has two steps:

    Step One: Does a "system for recycling" exist in practice and at scale? and

    Step Two: Do the components fit the "system for recycling"?

  - Walmart's Recycling Playbook focuses on Step 2 and is founded on APR's guidance documents