

Reporting from food business operators

Global Examples

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**Product Development
and Delivery Manager**



WRAP is a not-for-profit organisation working with partners in 20 countries





Canada:

- LFHW licences
- Food waste measurement pilots in partnership with WRI and funded by CEC
- British Columbia is part of PCC

USA:

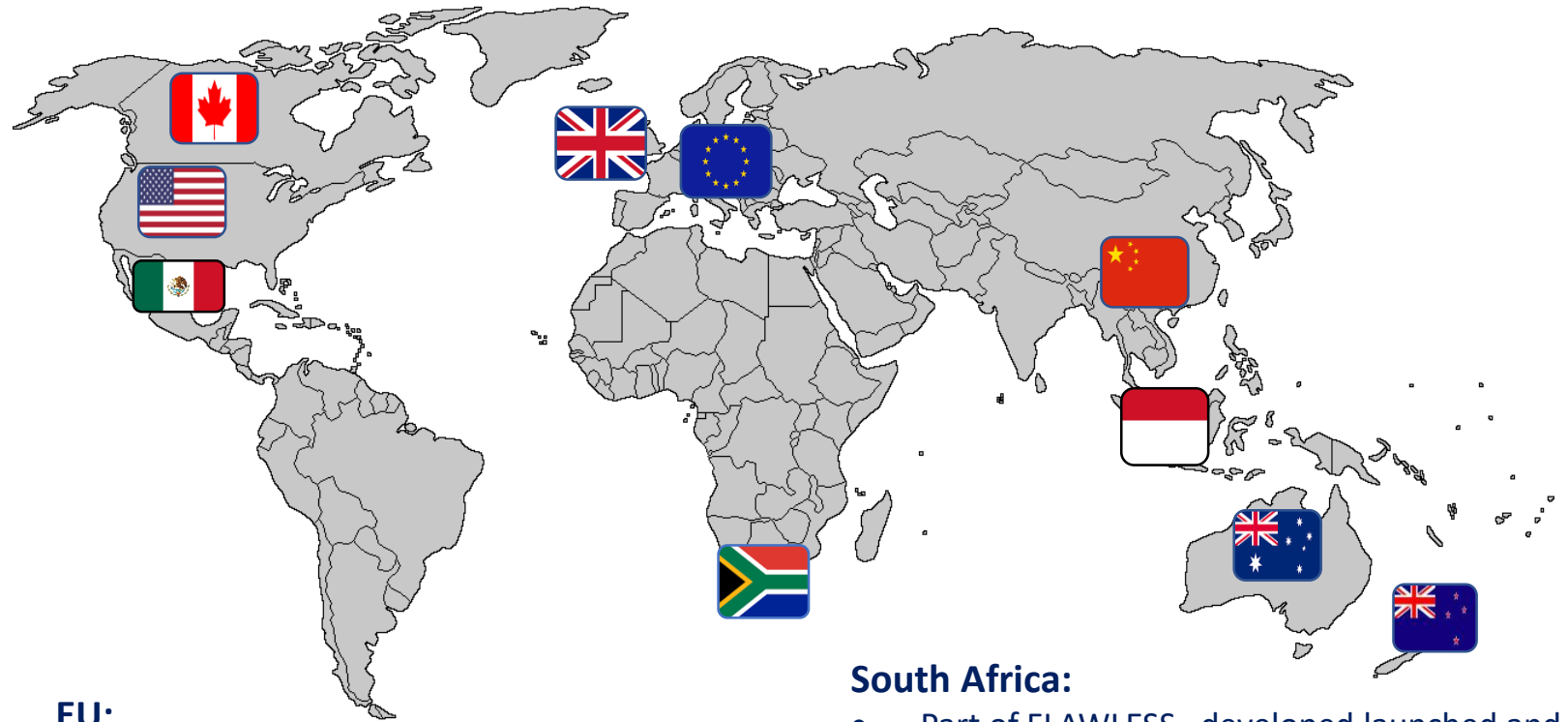
- Delivery partner for the PCC Food Waste VA
- An original member of the Food Waste Alliance, a collaboration of ReFed, WRI, WRAP and WWF to encourage global, measurement and reporting in the line with the Food Loss and Waste Reporting protocol.
- Food waste measurement pilots in partnership with WRI and funded by CEC

Mexico:

- Developing a food waste VA for Mexico city
- Part for FLAWLESS - Scaling up the VA to cover all of Mexico
- Food waste measurement pilots in partnership with WRI and funded by CEC

New Zealand:

- LFHW licence



EU:

- Supporting the development of a food waste VA for the retail and wholesale
- Supporting the development of a food waste VA for the HaFS
- Supporting the development of a food waste VA in Denmark
- Supported the developed of a food waste VA in Hungry, Sweden
- Eire - National review of food waste reduction policies
- Eastern Europe – LFHW licence
- Key partner in Refresh

South Africa:

- Part of FLAWLESS, developed launched and supporting of Food Waste VA

Indonesia:

- Part of FLAWLESS developing of Food Waste VA

Australia:

- LFHW licence
- National review of food waste reduction policies
- Developing a food waste VA for Australia

China:

- A non-funded partner of Refresh

Delivering SDG 12.3 'Connected and Aligned'



WORLD
RESOURCES
INSTITUTE



LOVE
FOOD
hate waste



The Food Loss and Waste (FLW) reporting protocol: Target. Measure. Act.



- The FLW standard is used in many initiatives focusing on measuring and reducing food loss and waste
- Enables countries, companies and other organisations to report FLW in a credible and internationally consistent manner
- Consistent data and inventories reporting conform with the FLW Standard enables aggregation of data and benchmarking
- Increasing use of reporting templates
- Reduce reporting burden for businesses – One template for multiple FLW reduction initiatives

Data Capture Sheet: Basic information & scope

FLW Data Capture Sheet



Note: This document is a global version of the Food Surplus and Waste Data Capture Sheet used for U.K. Food Surplus and Waste Commitments. See Guidance Tab for additional details.

PLEASE REFER TO SUPPORTING GUIDANCE TABS FOR DEFINITIONS AND CLARIFICATIONS ON WHAT TO REPORT

Information entered into this sheet will automatically pre-populate the Reporting Template tab, which can be pasted into a Word document if needed

Company Information

Company name	
Name of person submitting this datasheet	
Contact email of person completing this report	
Submission date	

Scope of the FLW Inventory

Start date of inventory period (12 month period required)	
End date of inventory period (12 month period required)	
Material type included	Please select from drop-down menu
Food category included (Optional: further breakdown e.g. apples, carrots etc. can be included in the comments section BELOW)	Please select from drop-down menu
Continent (or Multiple for multiple continents) (additional information can be included in the comments/notes section BELOW [Row 109])	Please select from drop-down menu
Country (or Multiple for multiple countries) (additional information can be included in the comments/notes section BELOW[Row 109])	Please select from drop-down menu
Business sector (e.g. Retailer, Producer/Manufacturer, Primary producer):	Please select from drop-down menu
Lifecycle stage included e.g. direct operations (manufacturing, warehouses). Specify if any operations you own or control are excluded.	
Total number of sites / facilities operated by your business in geographical area of this report	
Number of sites / facilities covered by this report (if some sites are excluded)	
Number of sites / facilities directly contributing data to this report (e.g. if some sites are covered by extrapolation)	
Tonnes of food produced / purchased and sold as intended (Placed on market; PoM) during the report period (see note if data not available)	
If you cannot provide tonnes of product produced & sold as intended, please provide units sold, sales value, or similar	[Text - please provide units and explanation]
Is packaging weight excluded from the values below? (please exclude weight of packaging if possible)	
(If reporting on farm-level operations) - are losses of crops not yet ready for harvest excluded from the values below?	

Data Summary

Sum of FLW sent to the following destinations*	Do you send FLW to this destination?	Quantity	Units**	Notes
Anaerobic digestion / codigestion			TONNES	
Composting / aerobic processes			TONNES	
Incineration / controlled combustion [includes cat. 1 rendering for meat sector]			TONNES	
Land application			TONNES	
Landfill			TONNES	
Sewer / wastewater treatment			TONNES	
Not harvested / ploughed in			TONNES	
Other (including the production of biofuel products e.g. biodiesel, fuel pellets) (see rows 55 - 58 before completing)			TONNES	
Refuse/discards/litter, (including dumping, or unmanaged disposal)			TONNES	
Not known (if destinations are known but not how much to each destination, please specify in notes)			TONNES	
Total FLW		-	TONNES	
FLW as a proportion of food handled		No PoM data	%	Calculated automatically: total FLW ÷ (product sold as intended+FLW+other destinations)

* The term 'FLW' as used in this document is equivalent to 'food waste' used by WRAP, IGD, the European Commission, and the UK Governments

** If additional data has been requested (e.g. the UK Dairy Processing Sector Guidance recommends reporting in both tonnes AND milk-equivalents) please use the notes field for the additional data

Estimate of food vs inedible parts in FLW (leave blank if unknown)	Tonnes	% of food handled
Tonnes of FLW estimated to be 'inedible parts'		No PoM data
Tonnes of FLW estimated to be food (edible parts)		No PoM data

Estimate equals total FLW

Sum of material sent to other destinations***	Do you send material to this destination?	Quantity	Units	Notes
Redistribution for human consumption****			TONNES	
Sent for animal feed			TONNES	
Bio-based materials / biochemical processing [includes cat. 3 rendering for meat sector]			TONNES	
Not known (if destinations are known but not how much to each destination, please specify in notes)			TONNES	
Total food sent to other destinations		0.00	TONNES	
Food sent to other destinations as a proportion of food handled		No POM data	%	Calculated automatically: Other destinations ÷ (production & sales+FLW+other destinations)

*** Programs focused on the U.K. refer to these destinations as 'food surplus'

**** It is important only to include here food that would have become waste if it had not been redistributed. Food that is produced or provided expressly for donation should be excluded

Estimate of food vs inedible parts sent to other destinations (leave blank if unknown)	Tonnes	% of food handled
Tonnes of food to other destinations estimated to be 'inedible parts'		No PoM data
Tonnes of food to other destinations estimated to be food (edible parts)		No PoM data

Estimate equals total FLW

Data upload to the Food Loss and Waste Atlas*

Please select one of the following options from the drop down menu

I give permission to allow the above data submitted through this document to be included on the Food Loss and Waste Atlas including my company name.

*For more information on the Food Loss and Waste Atlas please visit: www.thefoodwasteatlas.org

Data Capture Sheet: ADDITIONAL QUALITATIVE INFORMATION

Quantification Methods & Uncertainty

Data sources used in compiling inventory	[Text] - please list (e.g. waste management company data, purchase records, water company data, EPOS data)
Guidance documents, or published data sources referred to when compiling your inventory	[Text] - please list (e.g. WRAP sector-specific guidance) and provide weblinks
Accounting for water addition / removal	[Text] - if relevant - please describe how water addition/removal has been accounted for in your inventory
Sampling & scaling of data, or other means of gap filling	[Text] - please describe the approaches used
Summary of any significant exclusions within this data set	[Text] - please list any exclusions from the inventory
Summary of reasons for data exclusions	[Text] - please give reasons for any exclusions from the inventory
Summary of data uncertainties	[Text]- please provide a qualitative description and/or quantitative assessment of the uncertainty around food surplus and waste inventory results

Targets and Actions: Narrative (best practice)

Use this section to describe:

Your FLW hotspots (e.g. compositional split of FLW tonnage by key product category)	[Text]
Company FLW reduction targets - Please provide your baseline year	[Text]
Company FLW reduction targets - Please provide target year	[Text]
Company FLW reduction targets - Please provide your % reduction target	[Text]
Actions that you are taking to reduce your operational FLW	[Text]
Progress to date in reducing FLW and any factors (e.g. changes in supply & demand) that have significantly affected your results	[Text]
Actions that you are taking to work in partnership with suppliers to reduce FLW	[Text] - e.g. number of whole chain Food Waste Reduction Plans in place*
What actions have you taken consumers to reduce FLW	[Text] - e.g. adopting known best practices for food date labelling and storage advice; helping test new innovations; awareness raising*

* See the U.K.'s Food Waste Reduction Roadmap Toolkit for a checklist of what should be included in a good Whole Chain Food Waste Reduction plan and a checklist of key actions for businesses to help reduce consumer food waste

Assurance & Declaration

Has this inventory been formally audited, 3rd party reviewed or subject to any internal data checking procedures (optional)?	Please select from drop-down menu
Provide details, and an assurance statement where available	[Text] - If possible, please provide an assurance statement]
Please confirm that this report is based on the FLW Standard principles of Relevance, Completeness, Consistency, Transparency, and Accuracy?	Please select from drop-down menu

[See here for the FLWS principles](#)

Additional Comments/Notes

[Text]

ReFED Food Waste Calculator

[INTRO](#)[REQUIRED INPUTS](#)[CONFIGURATION](#)[GUIDANCE](#)[DASHBOARD](#)[REPORTING](#)

U.S. GROCERY RETAIL FOOD LOSS AND WASTE CALCULATOR

INTRODUCTION

About ReFED

ReFED is a multi-stakeholder nonprofit that takes a data-driven approach to move the food system from acting on instinct, to insights to solve the U.S. food waste problem. Our vision is to eliminate food waste in order to increase food security, spur economic growth, and protect the environment. We do that through identifying and accelerating solutions through economics and data.

About this Calculator

In an effort to simplify food waste measurement and reporting for grocery retailers, ReFED has developed this calculator that intakes data that most retailers have readily available and automatically calculates food waste metrics and populates reporting templates from multiple organizations, including ReFED, the Food Waste Atlas from WRAP and World Resources Institute, and the U.S. EPA Food Recovery Challenge.

Once you input the data requested on the REQUIRED INPUTS tab, the subsequent reporting template tabs will be automatically populated, making it easy for your business to report to any one of these platforms. For a more accurate report, you can override the default values listed in the CUSTOM CONFIGURATION tab. The data you input to the REQUIRED INPUTS and CUSTOM CONFIGURATION tabs will NOT be shared with anyone. It will stay on your computer. The only data that will be shared is the data in the reporting templates.

[Outline](#)[INTRODUCTION](#)[REQUIRED INPUTS](#)[CUSTOM CONFIGURATION](#)[GUIDANCE](#)[RESULTS DASHBOARD](#)[REPORTING TEMPLATES](#)[ReFED Insights Engine](#)[WRAP/WRI Food Waste Atlas](#)[U.S. EPA Food Recovery Challenge](#)

Reporting Template: output based on data capture sheet (sample)

User note: this sheet is locked and cannot be edited. Please enter data in the "Data capture sheet" tab.

Food Loss and Waste (FLW) Reporting Template



Company name: Fruit Ltd
 Name of person completing the report: Mockup@email.com
 Date completed: 2/22/2021

Summary

Reporting period (start date): 1/1/2019
 Reporting period (end date): 12/31/2019
 Overall FLW in tonnes: 2,200.00
 FLW as a % food produced / purchase and sold as intended by your organisation*: 1.18%
 (Optional) Percentage of inedible parts included in total FLW tonnage: 0.11%

* this should be tonnes FLW ÷ tonnes (food product produced or sold as intended + FLW + food sent to other destinations).
 If food tonnes cannot be measured, provide an alternative metric, such as % by value, and explain the method used.

Destinations for FLW (tonnes or %)*:	Quantity	Unit	Notes
Anaerobic digestion / codigestion	1,819.00	TONNES	
Composting / aerobic processes	381.00	TONNES	
Incineration / controlled combustion	0.00	TONNES	
Land application	0.00	TONNES	
Landfill	0.00	TONNES	
Sewer / wastewater treatment	0.00	TONNES	
Not harvested / ploughed in	0.00	TONNES	
Other (including the production of biofuel products e.g. biodiesel, fuel pellets)	0.00	TONNES	
Refuse/discards/litter (including dumping, or unmanaged disposal)	0.00	TONNES	
Not known (if destinations are known but not how much to each destination)	0.00	TONNES	

Other destinations (tonnes):	Quantity	Unit	Notes
Redistribution for human consumption*	76.00	TONNES	
Animal feed	0.00	TONNES	
Bio-based materials / biochemical processing	20.00	TONNES	
Not known	0.00	TONNES	

* It is important only to include here food that would have become waste if it had not been redistributed. Other donations to charities or sale to secondary markets should be excluded

Reporting Template: output based on data capture sheet (sample)

Scope of the FLW inventory

[Insert your scope diagram. A template is available here](#)

Material type included	Both food and associated inedible parts included in the inventory
Food category included	Fruits
Geography covered (countries)	United Kingdom
Geography covered (continent)	Europe
Business sector e.g. Retailer, Producer/Manufacturer, Primary producer:	Producer/Manufacturer
Lifecycle stage (business operations included):	Direct Operations (Storage, packaging, distribution)
Total number of sites / facilities operated in geographical area of this report	3
Number of sites / facilities covered by this report (if some sites are excluded)	2

Accounting for water addition / removal:

N/A

Sampling & scaling of data, or other means of gap filling:

N/A

Summary of any significant exclusions within this data set:

Report is for only 2 facilities

Summary of reasons for data exclusions:

Data only available for 2 of 3 operations in this geographic region

Summary of data uncertainties:

Data is based on records, which are subject to uncertainty where estimates were made versus direct measurements

Assurance and declaration

Has this inventory been formally audited, 3rd party reviewed or subject to any internal data checking procedures?

Yes

Assurance statement:

Not available

Guidance

Data capture sheet

FLWS_principles

Definitions

Reporting Template

Tracking global food waste

Helping organizations to play their part in creating a sustainable food system for all.



Align your measurement with international standards, and share data transparently



Access global data to help develop baselines and appropriate targets

Search for
food waste records

[See an example](#)

REGION

Any country or city...

e.g. United States or New York

FOOD

Any food type or group...

e.g. Apples or Fruit and Veg

Search

[Advanced Search](#)

Target. Measure. Act.

The Food Waste Atlas allows governments and companies to understand how food loss and waste is occurring, helping them play their part in creating a sustainable food system.



Gain insights on food loss and waste by product, by region, and by country, to take action on reducing food waste

Tracking global food waste

Helping organizations to play their part in creating a sustainable food system for all.



Search for food waste records

[See an example](#)

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e.g. United States or New York

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[Advanced Search](#)

Target. Measure. Act.

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< Search

All food waste

 United Kingdom

RECORDED LOST OR WASTED BY
United Kingdom: Inventory



TIMEFRAME

1 year

FROM

1 JAN 2015

TO

31 DEC 2015

DATA SOURCE

WRAP

Total FLW



TOTAL WEIGHT

10,200,000 tonnes

FOOD WEIGHT

6,960,000 tonnes

INEDIBLE WEIGHT

3,220,000 tonnes

LIFECYCLE STAGE

Entire Supply Chain



VALUE

£4,200,000

COVERS

£-----

TURNOVER

£-----



DESTINATIONS

RECOVERY

4862348 tonnes

DISPOSAL

3476174 tonnes

RECYCLING

1892478 tonnes

ADDITIONAL INFO

Recycling destinations covered by the UK data are anaerobic digestion and composting (home or in vessel). Recovery destinations are energy from waste and landspreading, and disposal destinations are sewer and landfill. N/B data for disposal to sewer are only available for the household sector.

< Search

Reporting time frame

Link to where the data has come from

Food Waste Index Report



Tracking Progress on SDG 12.3

Custodians of 12.3 indicators:
FAO & UNEP



Food Loss Index- focus on supply

“By 2030, ...



“...reduce **food losses** along **production and supply chains**, including post-harvest losses.”



“...halve per capita global **food waste** at the **retail and consumer levels**.”



Food Waste Index- focus on demand

Embargo being lifted at 4pm CET today

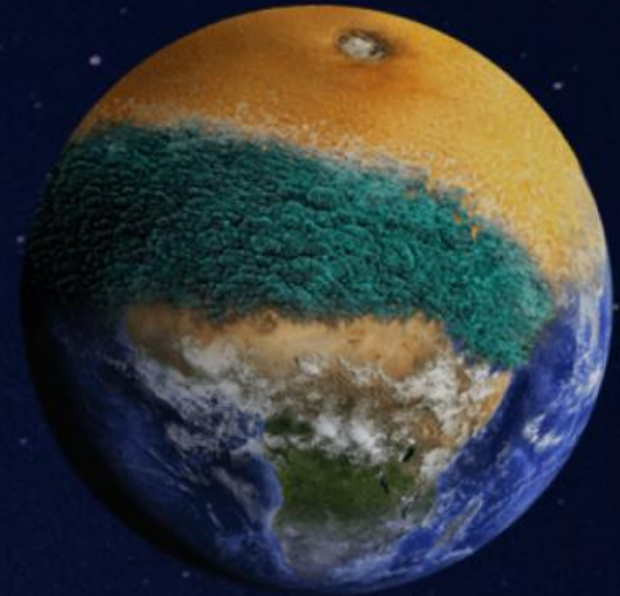
It contains estimates of food waste and guidance for countries to measure food waste

Will be available from WRAP's website - <https://wrap.org.uk/>

Monday, 1 March through Sunday, 7 March

Food Waste Action Week

[Find out more](#)



WRAP's [Love Food Hate Waste](#) brand is dedicating an entire week to **raising awareness of the environmental consequences of wasting food, and promoting activities that will help make wasting food a thing of the past**

The UK's first ever [Food Waste Action Week](#) will bring together citizens and organisations from retail, manufacturing, local government, hospitality and across industry to **demonstrate the impact of wasted food on people, on business, and on the planet.**

Thank you

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and Delivery Manager**

