

Compostable Packaging 1,2,3...

24th September, 2018

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A UK Manufacturer's perspective

- We have the products to successfully pack a wide range of food and non-food products
- Consumer and market interest has never been higher
- Promoting our products is fun! But complex
- 2 big themes reoccur all the time...
 - Proving green credentials
 - Infrastructure

Spot the difference...

Selling conventional Plastic film	Selling NatureFlex™ (& other biomaterials)
What does it do?	What does it do?
How much does it cost?	How much does it cost?
	How do you measure renewability?
	Is your wood-pulp sustainable?
	What is the difference between biodegradable and compostable?
	Is it Industrial compostable?
	Is it home compostable
	Does it biodegrade in the sea?
	Are you encouraging litter?
	How do I know your green claims are real?

Spot the difference...

Plastic film	Selling NatureFlex™ (& other biomaterials)	The brief answer
What does it do?	What does it do?	Flexible film with properties closest to oPET film
How much does it cost?	How much does it cost?	Depends on grade type, width etc, but let's be clear, all biomaterials are more expensive than commodity plastics
	How do you measure renewability?	ASTM D6866
	Is your wood-pulp sustainable?	Yes, FSC™ and PEFC™ certified sources only
	What is the difference between biodegradable and compostable?	Biodegradable is a technical term with no set standard. Compostable is a waste management method with set standards to meet.
	Is it Industrial compostable?	Yes, BS EN13432
	Is it home compostable	Yes, Ok Compost Home
	Does it biodegrade in the sea?	Yes, Passed ASTM D7081, but further testing ongoing
	Are you encouraging litter?	No, we are encouraging viable organic waste management
	How do I know your green claims are real?	Independent verification wherever it exists

Compostable Packaging 1,2,3



Our industry's vision

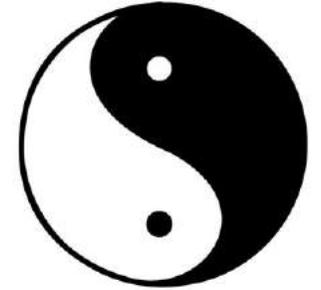
1 big reason

2 big myths

3 valid challenges

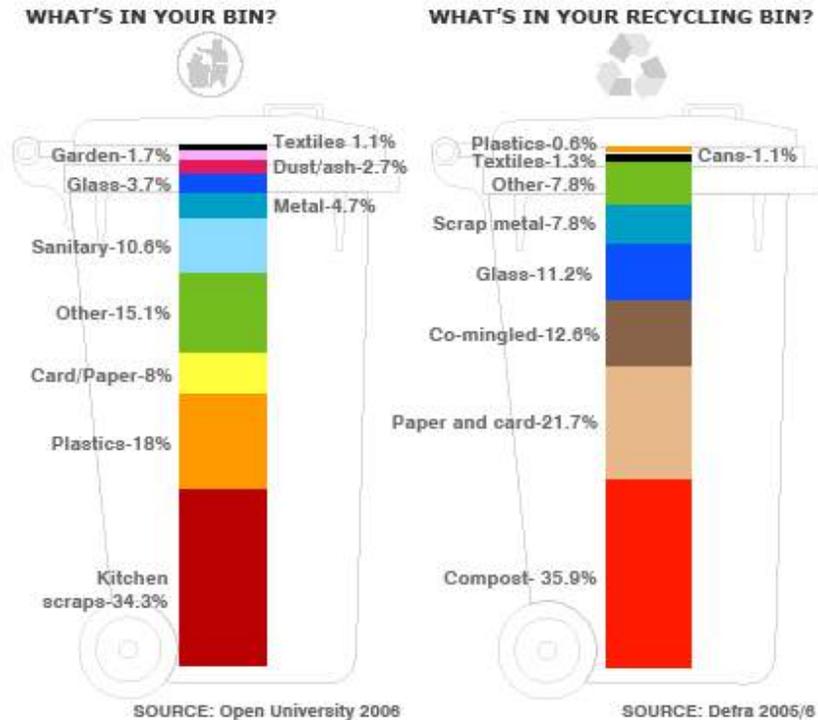
Our vision

- Compostable packaging materials complement all other readily recyclable materials
- We volunteer not to go where good recycling systems already exist
 - E.g. bottle recycling
- We offer a valid waste management solution where other materials cannot be effective
 - E.g. food-waste contaminated packaging

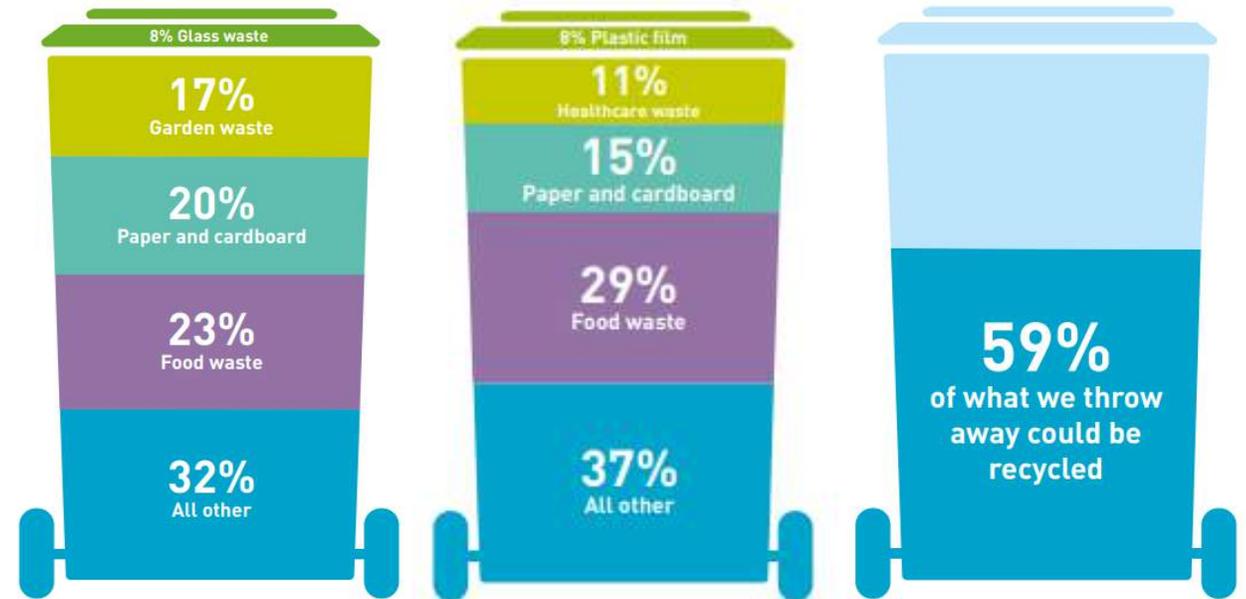


1 big reason – Organic waste is a big issue (or opportunity)

UK-wide statistics



Scotland statistics



The composition of **all household waste** collected at the kerbside in 2014-15, with the four largest waste types, and thirteen other waste types combined into 'All other' category.'

The composition of **household residual waste** collected at the kerbside in 2014-15, with the four largest waste types, and thirteen other waste types combined into 'All other' category.'

2 classic myths of Compostable packaging

- *“There’s no infrastructure for composting in the UK”*
 - Oh yes there is!
 - There are over 50 potentially suitable organic recycling facilities here
 - Emily & Charlies’ presentations will focus on this
- *“Compostables ruin plastics recycling”*
 - No they don’t !
 - They aim to avoid applications where plastics recycling is effective (e.g. bottles)
 - Harsh reality is only ~16% of plastics are recycled in the UK (Recoup UK Household Plastics collection survey 2017)
 - The goal is to operate in areas where conventional recycling is impractical
 - (food-contaminated waste, closed loop collections, mixed non-recyclable flexibles...)

3 valid challenges for Compostable packaging

- Consumers (and waste management processors) cannot effectively recognise compostable packaging
- (Industrial) compostable packaging isn't reaching the compost facilities effectively enough
- The plastics & packaging industry are confused by compostables

BBIA will set out its own definitions, usage of terms, standards and marking (Organic Model)

1

Agree the universal definition and usage of terms such as biodegradable and compostable

2

Agree a universal set of standards and criteria that all materials must conform to, including independent governance and certification mechanism and sustainability factors.

3

Agree product labelling and marking

4

Obtain buy-in and sign-off by MRFs/PRFs, Composters, DEFRA

Our vision for the future of recycling

Vision: All households and businesses in the UK have two recycling bins:

1. Conventional Packaging

(paid for by EPR)

Collected

Sorted

Reprocessed

2. Biowaste

(incl. food and EN13432 packaging)

Also financed via EPR

Collected

Composted

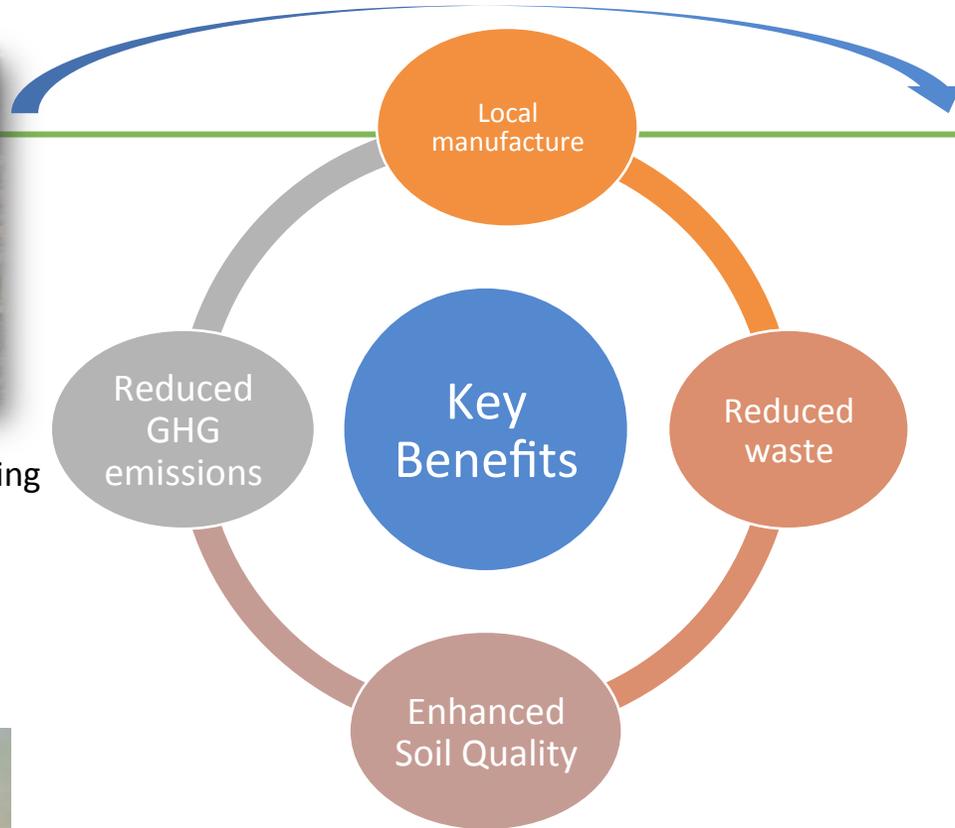
How to accelerate this vision?

We are working with key experts to create a powerful movement that is united around this common vision, with the authority and ability to galvanise the government into fast tracking universal packaging and biowaste collections across the UK.

Joining it all up



Opportunity: A plastic free aisle.
Clearly identified compostables replacing
the non-recyclable plastics



Compostable packaging-
easy to recycle, made locally



Collected with food waste



Returns organic carbon and
nutrients to soil; resilient
farming to produce food



Is industrially composted locally
Can produce renewable biogas