

Voedselverspilling & verpakkingen

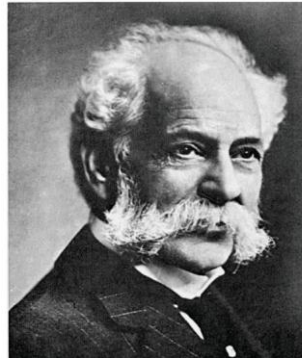


Masterclass voedselverspilling
13 januari 2015

- 1. Introductie**
- 2. Voedselverspilling**
- 3. Hoe verpakkingen helpen**
- 4. Relevante trends & ontwikkelingen**

Marcel J.Q. Keuenhof
packaging technologist,
waste reductionist,
father of three,
global citizen,
consumer





#1 : Waste not, want not



Innova Market Insights' Top 10 trends for 2014

“Roughly **one-third** of the edible parts of food produced for human consumption, gets lost or wasted globally, which is about 1.3 billion ton per year.” (FAO 2011, Global Food Losses and Food Waste)

The production of food that is wasted uses up to 1.4 billion hectares of land (**28%** of the world’s agricultural area) (FAO, 2013, Food Wastage Footprint: Impacts on Natural Resources)

ROTTING FOOD
IN LANDFILLS MAKES UP
23%
OF
**METHANE
EMISSIONS**
IN THE USA
METHANE IS AT LEAST 25X
MORE POWERFUL THAN CO²

the Netherlands

579 kg/p, p/a !



Source: BCFN elaboration of Eurostat data, 2010.

Greece
44 kg/p, p/a

➤ Food waste

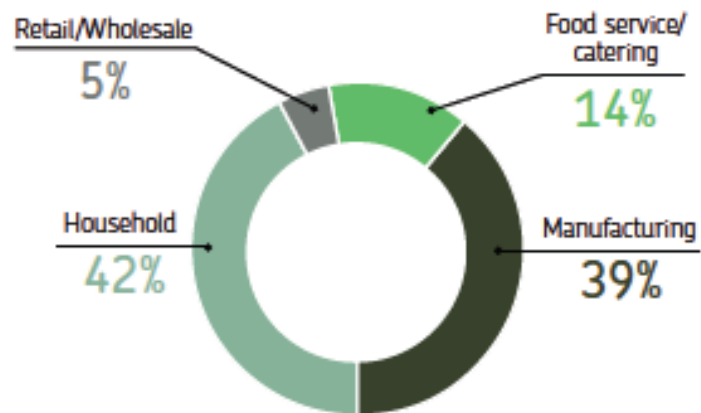


➤ Food loss





Source: WRAP UK, 2009/10 data. Percentages denote amounts of food wasted as a proportion of that produced for UK consumption.



Source: BCFN elaboration from DG Environment, European Commission, 2010.



of



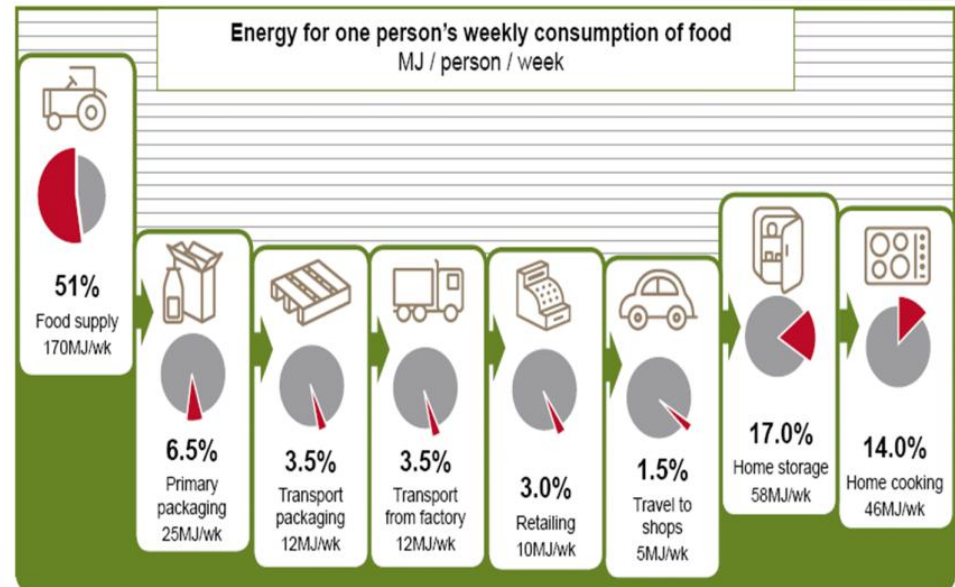
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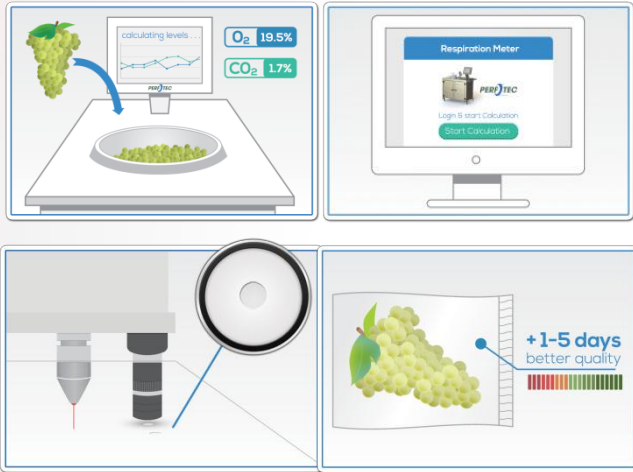
?

89% of grocery shoppers think packaging material is more harmful to the environment than discarded food.

Food products with intelligently designed packaging to keep food fresher for longer is less likely to be seen as environmentally friendly.



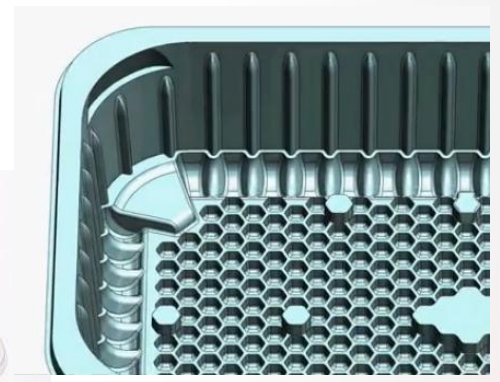




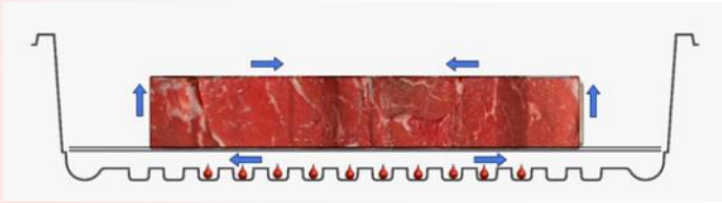
SCA packaging: corrugated box / tray with integrated ethylene absorbing capacity



TenderPac



BeeMagicTray





Pure-Pak®
Sense





'Fridge door' pack



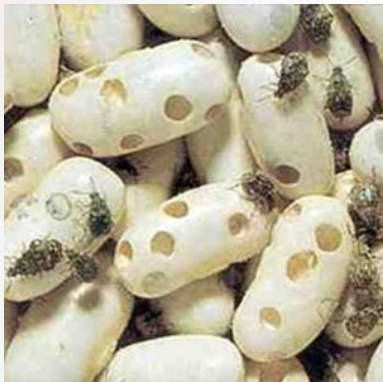
Oud



Nieuw

SUDPACK

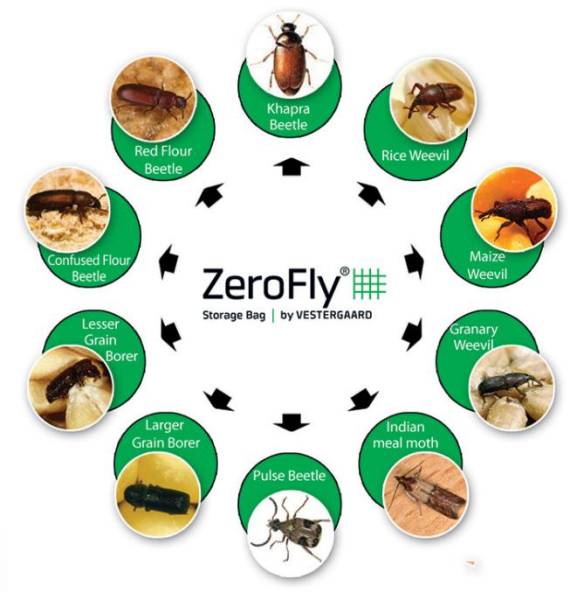
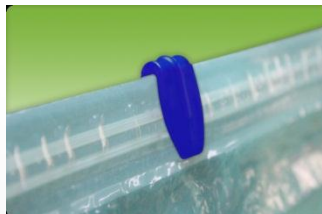




PURDUE UNIVERSITY

P erdue I mproved C rop S torage

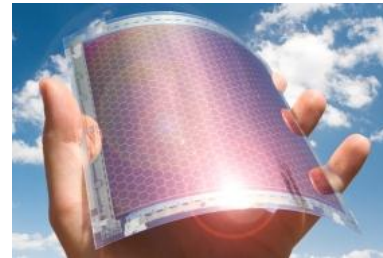
IRRI Super Bags



ZeroFly[®] by VESTERGAARD



RipeSense

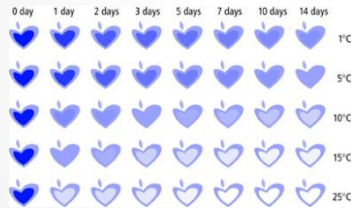


OnVu™ SMART PERISHABLES



OnVu™ uses state of the art, proven technology to bolster confidence in the safety of perishable foods.

A brand of **BIZERBA**

“Bump mark”



To-Genkyo Freshness detector

Relevante trends & ontwikkelingen

Maß-Greißlerei (Austria)

LUNZERS
Maß-Greißlerei

Hier gibt's
alles nach
Maß und Ziel.

All unsere Lebensmittel werden unverpackt
und nach deinem Maß angeboten.
So vermeiden wir sinnlosen Verpackungsmüll.



ORIGINAL UNVERPACKT (Germany)

Robuust

The zero waste shop

(Belgium)

La Bottega
F

effecorta (Italy)

FILIERA CORTA E PRODOTTI ALLA SPINA



(Germany)

unverpackt-einkaufen

VERPACKUNGSFREIE LÖSUNGEN FÜR DEN EINZELHANDEL

Unpackaged (London)



www.bagandbuy.nl

Granel (Spain)





Most desirable ↑
↓
Least desirable

Reduce



lightweighting

Reuse



Recycle



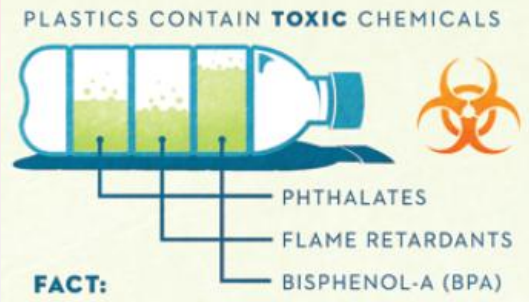
Renew



Landfill / incinerate







BPA Free Packaging

You may have read about BPA in the news. If so, you know the news is a little scary. And looking for products that don't use BPA in their packaging can be a full-time job.

With Lifeway products, you can relax. It's not an issue. Our Lifeway Kefir bottles, Helios bottles and ProBugs pouches are BPA-free, so give them to your loved ones, and drink up. All is well.

What Wikipedia says about BPA

Bisphenol A is a hormone-mimicking chemical used in polycarbonate plastics (PC or identified as #7 recycling code) and

ZERO PLASTIC WEEK UNLIKE PLASTIC - LIKE NATURE

HOME • WHY? • ACTION • WHO ARE WE? • TIPS & TRICKS

SIGN UP

AANTAL AANMELDINGEN: 1478 NUMBER OF PARTICIPANTS

HET IS ZOVER. HET IS ZERO PLASTIC WEEK

Vanaf 11 juni 00:00 uur tot en met 17 juni 23:59 uur 2012 gaan we met z'n allen plastic vrij shoppen! Geen nieuw plastic dus, een week lang. Plastic dat je in huis hebt mag je gewoon gebruiken, zoals je tandenborstel, je E6 oranje toer, boterhamzakjes en je bodyscrub, maar als het op is sta je voor een uitdaging.

Dit geldt natuurlijk ook voor voedingsmiddelen die in plastic verpakt zitten. Zelf maken, een weekje zonder of een niet-in-plastic-verpakt alternatief biedt een oplossing. Wees dus creatief en creëer plastic vrije situaties.

Deel foto's, filmpjes, tips en trucs op facebook en twitter om anderen te laten zien wat een ontzettende Zero Plastic Held jij bent.

UNLIKE PLASTIC, LIKE NATURE!

click the SIGN UP - button and get our Newsletter!

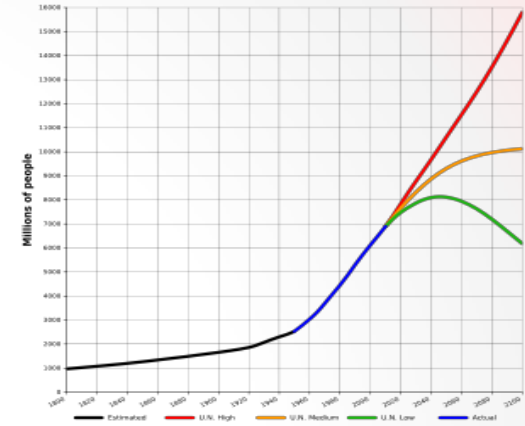
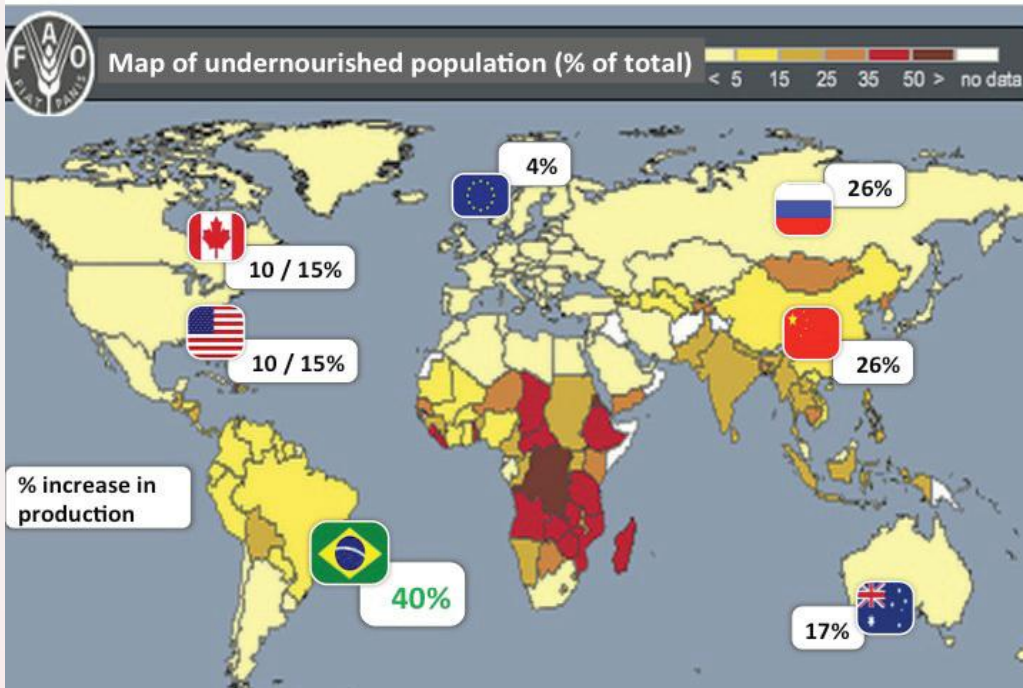


S O U P

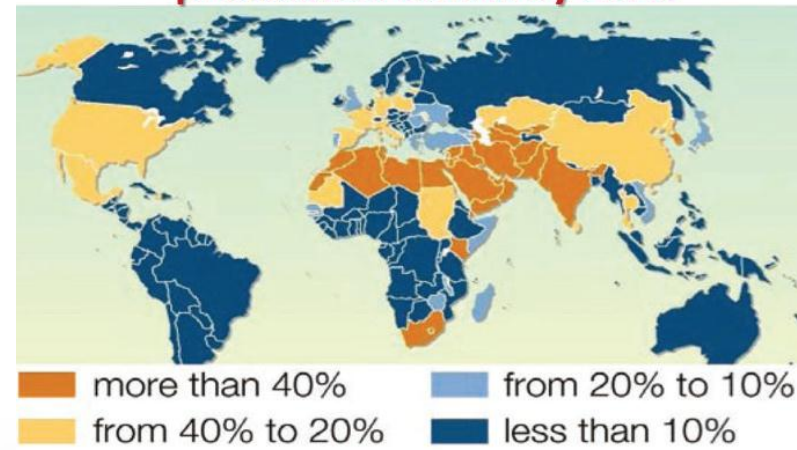


How to feed 10 billion of us by 2050?

OECD - projection of food production by 2020



Water availability : 30% of crop production at risk by 2025



Source: World Economic Forum, 2010

How to feed 10 billion of us by 2050?

- Significant increase of efficiency
- More / multi-layer greenhouses
- Reduce food waste & food loss !
- Climate Smart Agriculture
- etc.







Zijn er vragen?

**Any
questions?**