

BIG BENEFITS IN SMALL PACKAGING . . . Unilever's strategy for sustainable packaging



Humberto Garcia

Packaging Manager for Environmental Sustainability, Unilever

PRESENTED BY:







Packaging as part of the overall sustainability strategy

Packaging Summit – May 14th, 2008 Humberto Garcia



Unilever

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\$55 Billion 400 brands 174,000 employees

160 million times a day, someone somewhere is buying a Unilever brand



Our Mission

Unilever's mission is to add vitality to life.. We meet everyday needs for nutrition, hygiene and personal care with brands that help people feel good, look good and get more out of life.

Social responsibility and environmental sustainability are core business competencies – opportunities for innovation and product development.



Framework for Action

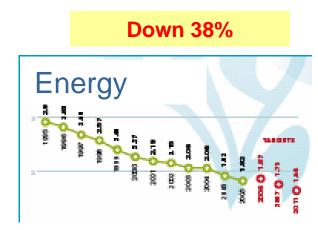


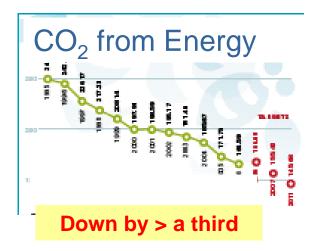


Eco-Efficiency Improvements

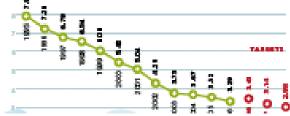
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1995 - 2006





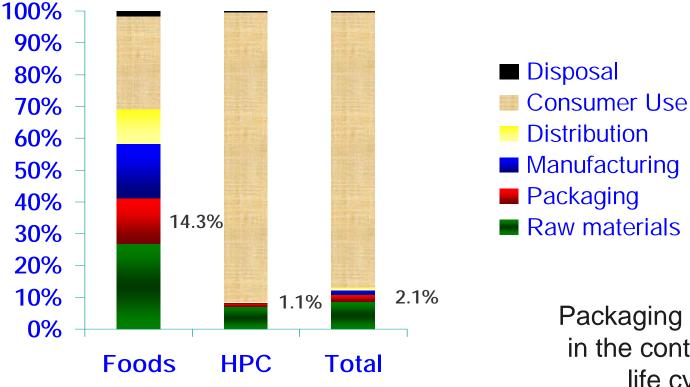






Unilever Greenhouse Gases

We have estimated Unilever's total emissions of greenhouse gases. Depending on the assumptions, the consumer use phase can account for 30-80% of the total, while packaging represents 2.1%



Manufacturing Raw materials

Packaging evaluated in the context of full life cycle.

Packaging which, as part of a whole product system, minimizes the environmental impact of our products



CREATE MORE SOCIAL VALUE, WITH LESS ENVIRONMENTAL IMPACT

Packaging Approach

CREATE MORE SOCIAL VALUE, WITH LESS ENVIRONMENTAL IMPACT

Packaging must be functional and attractive, while keeping the impact on the environment as minimal as possible.

Packaging must be evaluated with life cycle in mind.

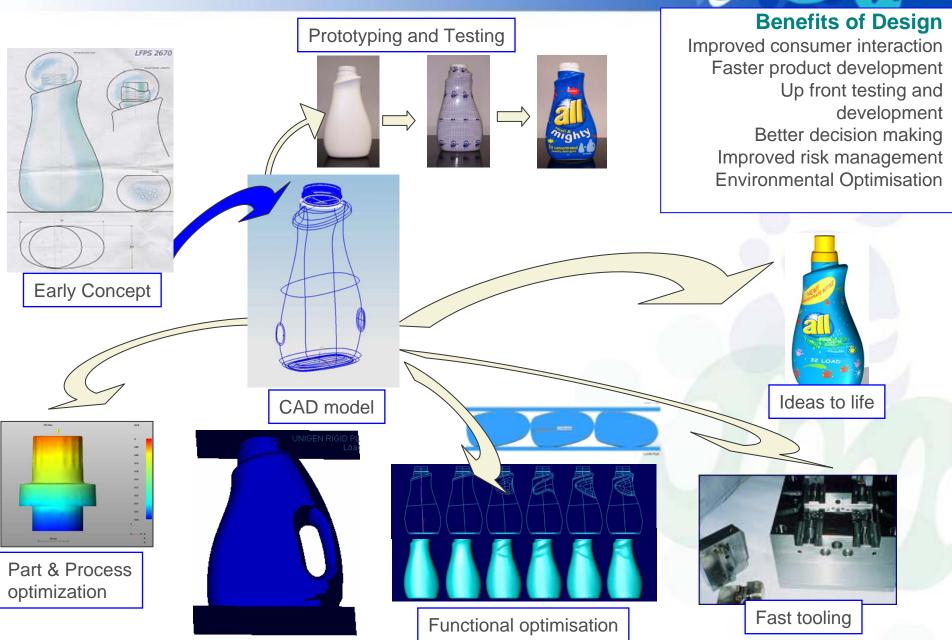
The Unilever Responsible Packaging Steering Team leads development and delivery of strategies for responsible packaging

Packaging Approach

- <u>Remove</u> where possible, **unnecessary layers of packaging** such as outer cartons and shrink-wrap film
- <u>Reduce packages</u> to the optimal size and weight through the use of best in class technologies and product innovation.
- **<u>Reuse packaging</u>** from the materials we receive at our factories.
- <u>Recycle:</u> Increase the use of recycled, recyclable and single-material components in packaging for easy sorting and recycling at the end of its use.
- <u>Renew:</u> Maximize the proportion of packaging from sustainable resources sourced responsibly.

Always applying life-cycle thinking to minimize the environmental impact of the product in all phases.

Packaging Design Tools



Packaging Reduction





Wish-Bone Salad dressing Shipper redesign to Tray/Shrink 2,100 tons fewer corrugated 11,000 fewer pallets almost 500 fewer truck loads







 Knorr Recipe Mix Replace pouch/carton with pouch 50% reduction!

Material reduction in metric tons

Packaging Reduction



Rexona Roll-on

15% weight reduction (1260 fewer metric tons of resin globally)40% cycle time reduction (Reduction of ~6MM of kWh globally)10x Top load (Reduce outer packaging and increase stack height)

Packaging Reduction





Suave Naturals Shampoo

Bottle: 16% weight reduction Closure 12% weight reduction 607 tons of resin annual savings Increased top load strength And a consumer preferred design! Equivalent to 16 million bottles not entering the waste stream



Hellmann's Mayonnaise glass to plastic

44,300 tons weight reduction2,442 fewer pallets (cube efficiency)1,700 fewer truck loadsLess breakage

Material reduction in metric tons

Unilever is leading the conversion of liquid laundry detergents around the world from dilute formulations to concentrated formulations



Gallons of water saved in production:	24 million (70%)	
Gallons of diesel saved:	1.3 million (66%)	
Reduced # of trucks:	6,000 (66%)	
Plastic resin reduction:	10 million lbs	
Reduced # of out of stocks:	50%	



Argentina

Canada



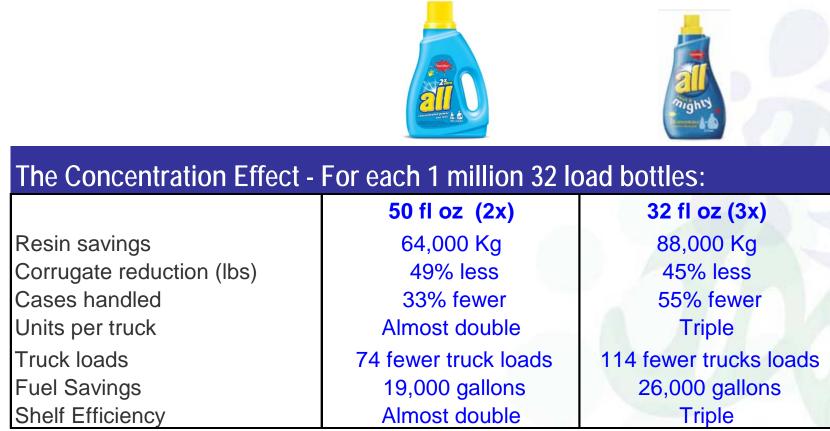
UK

Annual savings 3x - US only

France

In the US, Unilever markets 3x and 2x concentrates.

3x concentrates offer more benefits for business, for consumers and for the environment.



When comparing to dilute 32 loads bottle

A new packaging format for pasta sauce

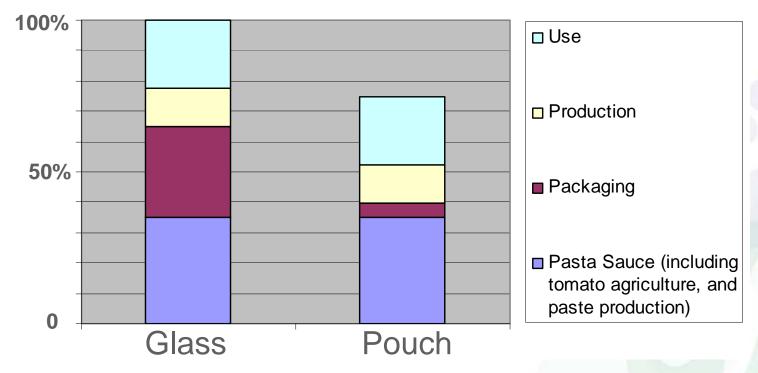


Pouch



	Glass jar 26oz	Pouch 13.5oz
Weight of primary packaging	376 g	8.8 g
Weight of secondary packaging	124 g	304 g
Units per case	12	6
Total packaging weight per unit	386.3 g	59.5 g
Packaging / oz of product	14.9 g	4.4 g
		70% reduction

As it relates to energy use, packaging represents ~30% of the full life cycle of the pasta sauce in glass, compared to ~6% of the full life cycle of the pasta sauce in pouch



The over-riding issue is what happens to the glass and pouch at the end of life – increasing recycling for the glass jar would have a positive contribution, although several recycle loops would have to be performed to arrive at parity with the pouch.



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Packaging which, as part of a whole product system, minimizes the environmental impact of our products

Packaging must be evaluated with life cycle in mind.

We have made progress in terms of packaging reduction, reducing the overall impact.

Carbon Disclosure Project

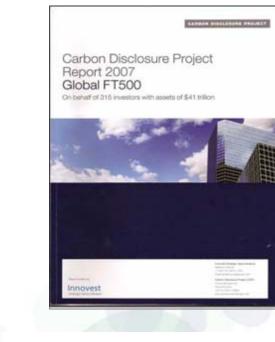
 Rated Best in Class in Climate Change Disclosure

• Dow Jones Sustainability Indexes

Rated #1 in the Food & Beverage
Sector for the 9th consecutive year

•Wal-Mart

 Supplier of the Year for Sustainable Engagement









Thank You