

Textile processing made more eco-friendly



World Congress on Organic Cotton
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Interlaken, Switzerland

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Huntsman Textile Effects

Global textile production & chemical consumption (per annum)

54 million tons



1 million tons dyes and
7 million tons chemicals

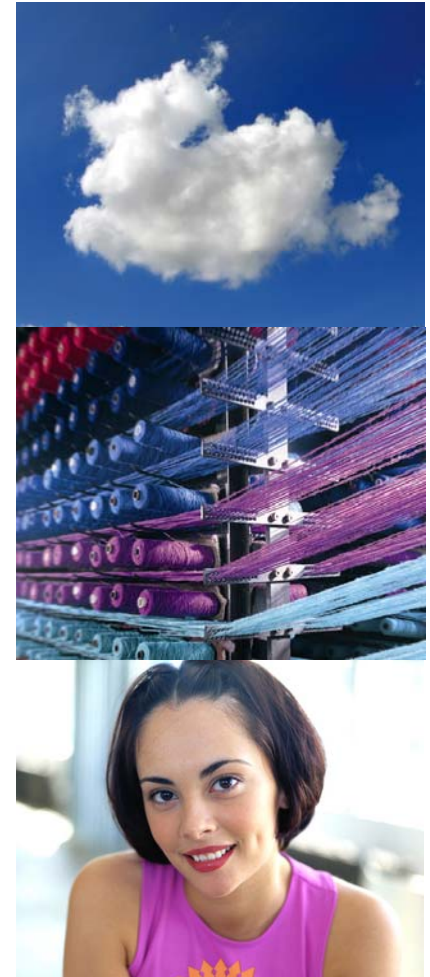


Chemicals give textiles the colour and performance that the customer expects

3 stages

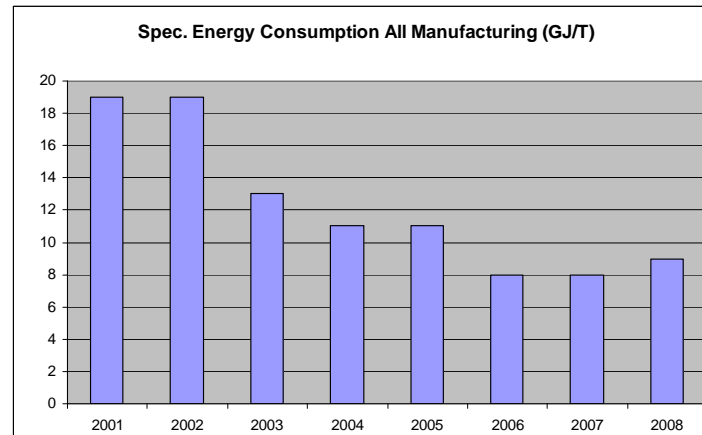
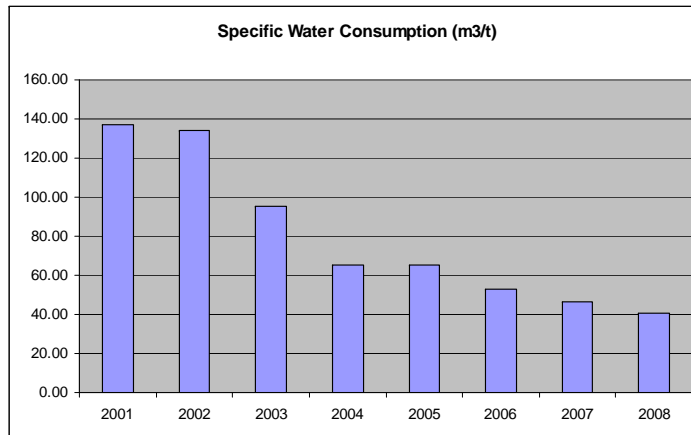
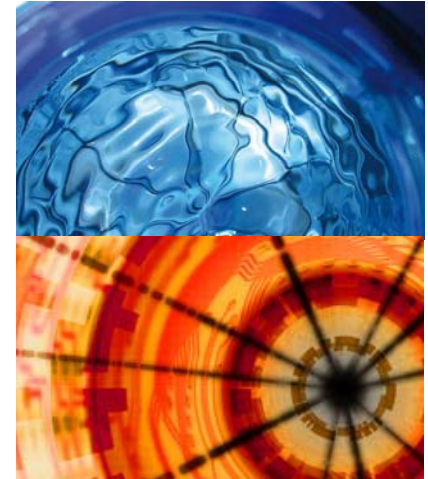
- **Dye and chemical production**
- **Using best available technology**
- **Care by consumer**

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Huntsman Textile Effects

- **Globally present**
- **Dyes and chemicals for all fibers and processes**
- **bluesign[®] supporter**



Are 'synthetic' chemicals sustainable?



- **Performance, pollution, energy and water savings**
- **Using arable land for non-food crops, enzymes from GMOs, politics and emotions.**

Comparing average and best practice

- **Production**
about **20%** of the energy in cotton article's life
- Water is already a scarce resource

Target

- More efficient processing
 - **Save water, energy, time, chemicals**



Sustainable Innovation: Gentle Power Bleach™

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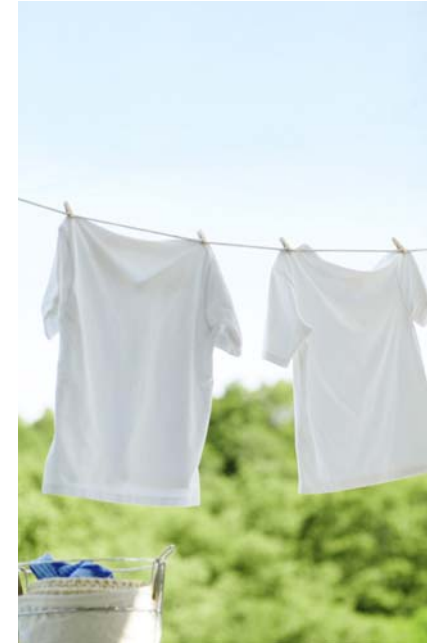
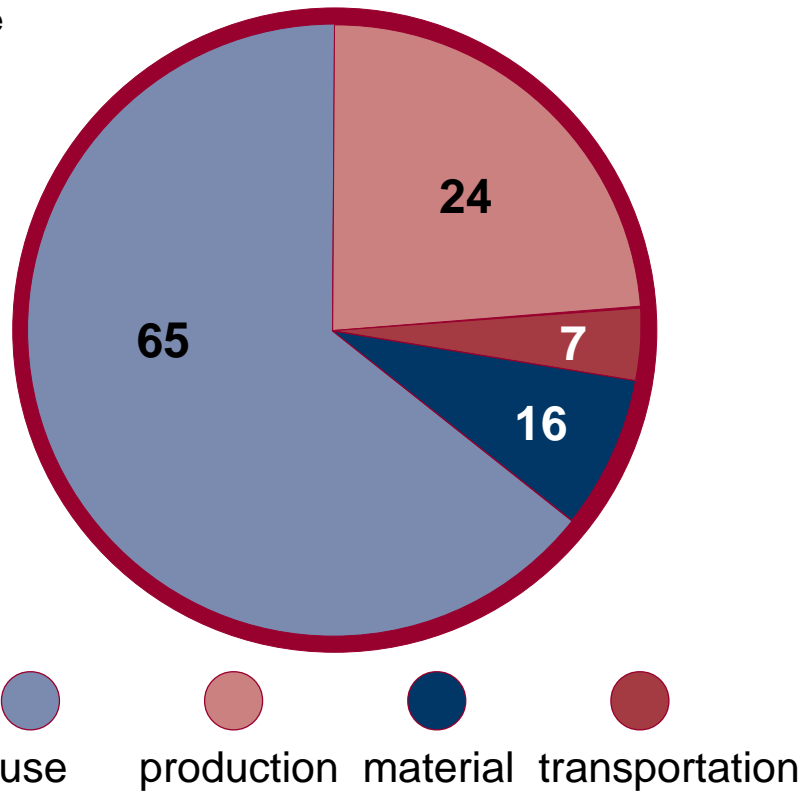
- **Perfect preparation**
- **Enhanced quality**
- **Responsible technology**



Consumer

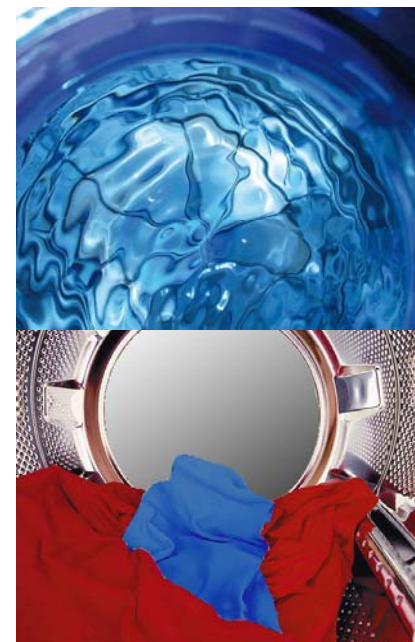
Primary energy profile

MJ per article



Laundry

24-52 litre/kg wash!!!



All factors are important

- **Dyes and chemicals:**
no more than 3% of the costs
- **BAT and good products** halve
water and energy consumption

25 m tons cotton (all articles)= savings of
2000 billion litres water, per year
Meets WHO recommendation of China, India, Pakistan

- **Domestic laundry**



Costs

- Mills are tempted to select 'cheap' dyes & chemicals, ***but ignore the real costs of energy, water, time, re-works etc.***
- ***What are the real costs?***
- ***Retailer messages?***

