

Taking responsibility for ecological performance



ecolaboration™
more, together

NESPRESSO®

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AT A GLANCE

- Nespresso uses a scientific approach called life cycle assessment (LCA) to measure and understand our environmental impact.
- The main focus has been to optimise carbon dioxide and other greenhouse gases emissions that contribute to climate change, from every part of the business.
- In 2009, Nespresso made the commitment to reduce the carbon footprint of each cup of Nespresso coffee by 20 % by 2013.
- Nespresso is already working towards a better understanding of its broader environmental impacts, including biodiversity and water.

ACTIONS & RESULTS

IMPROVING OUR ENVIRONMENTAL FOOTPRINT FROM THE CHERRY TO THE CUP

Since 2005 we have used an approach called life cycle assessment to understand our environmental impacts. We are taking action to improve our environmental impact across our entire business, from the coffee cherry to the cup:

- Helping around 40,000 farmers who are part of the AAA Sustainable Quality™ Program to become more environmentally responsible, through training, technical assistance and direct investment.
- Building environmental efficiencies into our Production Centres and logistics networks. For example, in Avenches, our new coffee roasters save the same amount of energy as the one used by 90 homes during a year. And nearly 7,300 cubic metres of rain water, equivalent to two and a half Olympic swimming pools, have been collected from the roof and used for various activities, including flushing the toilets and watering the green areas.

- Designing ever more innovative, high-performing and greener machines for our Club Members. Like Pixie, our latest innovation, which automatically switches off after nine minutes of inactivity, consuming 40 % less energy than A-ranked machines in FEA/CECED's measuring methodology.
- Supporting the development of schemes to recover and recycle small size aluminium packaging, including Nespresso capsules. So far, we have installed around 7,000 dedicated collection points around the world.



To find out more about the environment initiatives we have implemented, read the factsheet "Improving our environmental impact, from the cherry to the cup."

WHY WE TAKE THE LIFE CYCLE APPROACH

We know that sustainability issues are central to the future prosperity of our communities. It is therefore essential that we make sustainability core to every part of our business.

We are committed to reducing carbon emissions across the entire Nespresso business, from the cherry to the cup. We are also optimising our overall environmental footprint by improving the sustainability of our operations.



Recycling process in Moudon, Switzerland

OUR APPROACH

UNDERSTANDING THE IMPACT OF EVERY ASPECT OF OUR BUSINESS

At *Nespresso*, our approach is to sustainably manage natural and renewable resources efficiently, wherever possible and continuously work towards reducing the amount of waste we produce.

Life cycle assessment enables us to understand the environmental impacts of every aspect of our business against five key measures: climate change, water, biodiversity, energy and human health. Our focus has been on optimising our carbon dioxide and other greenhouse gases emissions that contribute to climate change, from every aspect of our business, cherry to the cup. In their analysis of the carbon footprint of a cup of *Nespresso* coffee, specialist environmental consultants Quantis found that the biggest impacts happen in machine use and coffee growing. That is why a key focus for us is to reduce the carbon emissions from coffee cultivation and machine use. To find out more about the life cycle assessment approach and results, read the factsheet "Life cycle assessment: understanding our environmental impact."

We have brought together a network of experts focused on designing ever more innovative, high-performing and greener machines for our Club Members. The network aims to continually improving the energy consumption, carbon emissions and recyclability of each range of *Nespresso* machines. Since 2009, all new *Nespresso* models have been equipped with an energy-saving mode, and from 2011, all our machines will have an automatic power-off function. *Pixie*, our latest innovation, automatically switches off after nine minutes of inactivity, consuming 40% less energy than previous models.

Supporting coffee farmers to become more environmentally responsible is one of the three fundamental principles of the AAA Sustainable Quality™ Program. For example, *Nespresso* has supported the recent launch of a Climate Friendly farming module in Guatemala. This education program was developed by our partners including Rainforest Alliance and the Sustainable Agriculture Network (SAN), our sourcing partner EFICO and others. The module includes voluntary guidelines to help farmers go above

and beyond the SAN standards to further mitigate their own greenhouse gas emissions and better prepare for the new challenges that climate change is already bringing to coffee growing regions.

PLANNING FOR THE FUTURE

Our efforts to improve our environmental sustainability can only be successful if we have a deeper understanding of our impacts, across our entire business. While we have robust measuring and reporting systems in place for our own operations, like our Production Centres, the impacts of coffee growing are not so well understood. That is why we are investing in a solid, integrated and long-term measuring and reporting program for our sustainability performance, particularly in the coffee countries of origin.

- Launching a AAA Sustainable Quality™ database to gather, analyse and share information about sustainability with coffee farmers, to help them plan for the future.
- Investing in new water treatment systems on farms and training farmers on preserving their water resources, including around 10,000 sun driers, 5,000 fermentation tanks and 8,000 water treatment units in Cauca and Narino, Colombia.
- Developing a long-term partnership with International Union for Conservation of Nature (IUCN) to better understand the biodiversity impacts of our operations.

WHAT THE EXPERTS SAY

"Like any system, portion coffee has advantages and disadvantages. The production of the capsule has some impacts. However, the benefit of a portion system is actually to reduce waste of brewed coffee and reduces the amount of green coffee to produce by ensuring a better extraction. This means that depending on the different scenarios (for example, how much prepared coffee is wasted in a traditional system as well as if the capsule is recycled and an economic machine is used), a Nespresso coffee can have a lower impact than a traditional one."

Yves Loerincik,
CEO, Quantis



Water management, a main focus of the program

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Production Centre, Avenches, Switzerland