





CO2 EMISSIONS OFFSET

AT THE LAVAZZA GROUP, WE WORK EVERY DAY TO REDUCE OUR CARBON FOOTPRINT.

Aware that not all emissions can be reduced, we have embarked on an offsetting strategy by supporting projects that contribute to sustainable development and to the containment of greenhouse gas emissions.

In 2020, we began our journey by offsetting Scope 1 and 2 emissions, i.e., direct greenhouse gas emissions (due, for example, to the burning of methane for heating) or those deriving from the generation of electricity that is then consumed.

In 2022, we intend to continue this process by offsetting the carbon footprint of Lavazza FIRMA capsules.

The "CO2 EMISSIONS OFFSET" claim stems from this commitment.

Kariba

"offsetting" mean?

Offsetting the greenhouse gas emissions generated by a given activity consists of financing projects that absorb an equivalent amount of CO2.

These projects are often reforestation initiatives, but may also relate to energy savings, for example.

Offsetting the greenhouse gas emissions generated makes it possible to declare the products and services involved by this type of activity to be CO2 neutral.

For 2022 FIRMA capsules offsetting has reached

32,978

tonnes of CO2 eq

Madre de Dios

Guanarè

Chile Run of River

BY SUPPORTING:

reforestation, sustainable agriculture and renewable energy projects in developing countries, outside our supply chain, which are able to generate carbon credits of a quality that meets the highest international standards (VCS, CCBA, CDM)

Carbon footprint

This is an indicator that quantifies the greenhouse gases emitted during a product's entire life cycle.

Carbon footprint is expressed in kilograms of carbon dioxide equivalent (kg CO2 eq).

Greenhouse effect

This is the phenomenon caused by the concentration in the atmosphere of what are known as "greenhouses gases", which retain the infra-red radiation emitted by the Earth's surface and atmosphere, allowing our planet to have a suitable temperature for life. The greenhouse effect due to human activity is added to the natural greenhouse effect, further raising the temperature and endangering the balance of the ecosystems and biosphere.



FIRMA capsules carbon footprint

To assess the carbon footprint of the FIRMA capsules, we used the LCA (Life Cycle Assessment) methodology and followed the international reference standard on product carbon footprint (ISO 14067).

The LCA methodology analyses a product's environmental impact through all the steps of its life cycle, from raw materials to production, transportation, use and discharge. The life cycle of FIRMA capsules includes the phases described in the following scheme:

COFFEE LIFE CYCLE and

SOLUBLE BEVERAGES



PACKAGING LIFE CYCLE

- Extraction and transport of raw materials
- Production of packaging components
- · Packaging end of life

DISTRIBUTION



USE

Water and energy consumption to brew a cup



w materials other than coffee are processed by Lavazza suppliers and are therefore transported to the Lavazza plant. As soluble beverages dissolve completely, they do not generate waste.

impact offset









Measurement

In December 2021, we calculated the carbon footprint of an average capsule sold in 2021.

Validation

In that same year, we had the calculation of the carbon footprint of an average capsule sold in 2021 verified and validated by the certification authority CSOA.

We multiplied the impact of one average piece sold in 2021 by the 2022 sales forecast, thus obtaining an estimate of the carbon footprint of the FIRMA capsules sold in 2022.

Offsetting

We offset the entire carbon footprint of the capsules we expect to sell in 2022.

Check

We want to be sure we have offset the right amount of greenhouse gas emissions. Accordingly, when the data regarding 2022 becomes available, we will repeat the calculation and verify that there are no discrepancies between the forecast and actual amounts. If there are, we commit to offsetting any difference.

Packaging life cycle

Carbon footprint

Reduction activity

Lavazza is committed to defining and implementing reduction plans at corporate level and to product ecodesign. FIRMA capsules benefit from emission reduction and process efficiency activities in accordance with the plans adopted at the corporate level, with the aim of increasing energy efficiency, using renewable energy sources and optimising packaging and the logistics chain. The 2022 benefits in terms of environmental impact reduction with regard to FIRMA capsules will be reported during the year-end assessment.



To learn more read the full report

In accordance with Article L229-68 (1) in Article 12 of French Law No. 2021-1104, for each typology of beverage the balance of direct and indirect emissions is reported (as defined by ISO 14064-1:2019 standard), with regard to 2022 sales estimates and based on the carbon footprint of 1 average piece of product: coffee 1% direct emissions (393 t CO2 eq) and 99% indirect emissions (31,757 t CO2 eq); ginseng 0% direct emissions and 100% indirect emissions (455 t CO2 eq); barley 0% direct emissions and 100% indirect emissions (158 t CO2 eq); tea 0% direct emissions and 100% indirect emissions (215 t CO2 eq).