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Daterra Coffee

2022 Pledge Implementation Progress Report

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Daterra Coffee

Tree_llion Project

Reporting period

January 2020 – December 2022

Pledge status

Fully on track

Intervention location

Brazil

Progress summary

Daterra is a coffee farm in Brazil, and our coffee production is already carbon negative but we want to do more. We are committed to planting 20 million trees by 2030, to further increase our carbon sequestration.

With our partners, we have already planted trees on our farms as well as on public roads in Patrocínio and close to springs and watersheds that are important for our region. The approximate number of seedlings planted to date is 135,145.

Daterra is now working to restore 44.2 hectares within and adjacent to our coffee operations, with 1,500 trees per acre.

Our greatest achievements have been the engagement of our customers and the partnerships we have established, such as that with Cerrado das Águas, thereby uniting those who have the resources to invest in the environment and those who have the technology and knowledge necessary to carry out restoration actions efficiently.

Also highly important is the increase in the production capacity of native seedlings in our nursery, which went from 80 thousand to one million, which will be planted and managed over 10 years.

We are testing different coffee farm/plantation models and also mapping our lands to understand where we can scale up our actions and restore more effectively.

Implementation method

- On-the-ground restoration through own supply chains

- Financial support to restoration initiatives such as Consórcio Cerrado das Águas

Ecosystems and restoration interventions concerned

Forests and woodlands

- Planting/seeding/natural regeneration of buffers (mixed stands of native species)

- Planting/seeding corridors of mixed stands of native species

- Artificial regeneration (through planting of seedlings or seeds in mixtures)

- Reconnecting fragmented forests by planting mixed stands of native species

- Planting on steep slopes and along waterways to avoid or recover from erosion

- Replacing non-native species with native species to increase diversity

- Transformation (continuous cover, gap creation and natural regeneration or underplanting)

- Post-fire reforestation via erosion control, mulching, planting, etc.

- Windbreaks to mitigate wind impact while increasing crop yields

- Enrichment planting or underplanting

- Watershed protection and erosion control

- Invasive/problematic species control

Grasslands, shrublands and savannahs

- Reintroduction of native species

- Reseeding with native species

- Shrub planting

- Corridor re-creation and/or establishment

Rivers, streams, lakes

- Passive natural regeneration

- Invasive/problematic species control

- Channel management, such as stabilisation through vegetation

- Land/water protection

Policies and strategies

We have partnered with ESALQ (Sao Paulo State University – Luiz de Queiroz) and created Daterra's first environmental standards – the Program for Environmental Adequacy to regenerate the Cerrado ecosystem, within and around Daterra farms. Over the years, this learning experience has made it possible for us to become the first Rainforest Alliance certified and ISO 14001 certified coffee farm in Brazil. We have subsequently added UTZ Kapeh certification, and for a small organic portion of our farm, IBD Organic certification.

"Growing Relationship Coffee" is our slogan and philosophy – because our relationship with the soil, the water, workers, community and everything that surrounds us, is just as important as our relationship with our clients around the world.

We strive to have partners with the same values and purpose, and to engage with them to buy areas for planting and to attract financial resources:

•   **Customers and collaborators**

•   **Community**

•   **Public authorities**

•   **Other companies**

•   **Non-governmental organisations**

These policies and strategies have resulted in us being awarded several certifications and recognitions:

•   **First Rainforest Alliance Certified™ farm in Brazil**

•   **Sustainable farm model by Illy in 2008**

•   **First climate-friendly farm verified to meet the Sustainable Agriculture Network's Climate Module.**

•   **Winner of the prize "Prêmio Fazenda Sustentável 2015" by Globo Rural, Brazil's major agricultural magazine, as the most sustainable farm in the country.**

Supporting documentation

•   What is carbon-negative coffee?

•   Climate-positive farm Daterra takes up public commitment to increase Carbon Sequestration

•   Sustainability – Daterra Coffee

•   Daterra Atividades Rurais – Certified B Corporation – B Lab Global

Technical planning

All aspects of our project were designed with the objective of contributing to mitigating the impacts of climate change and promoting improvements in ecosystem services. Therefore, our decisions are focused on developing projects in an efficient way with a stable source of financial resources, monitoring for success and engaging with trusted partners.

Internal engineers were responsible for choosing the first planting areas for the project, which we will expand in the coming years. Of the total number of trees currently planted, 30,000 are in external areas. External plantings are carried out in partnership with Cerrado das Águas (https://www.cerradodasaguas.org.br/), who works with restorations adjacent to important Cerrado Mineiro lakes and rivers.

Activities include
- Cultivation of native seedlings
- Mapping of internal areas (vegetation index, erosion areas, waterways)
- Planting in the rainy season
- Correct use of organic matter, fertilisers, limestone
- Internal management for 10 years, with partners report on the plantations carried out in their areas
- Acquisition of machinery and supplies
- Registration of nurseries

Ecosystem restoration principles considered

1 Contribute to the UN Sustainable Development Goals and the goals of the Rio Conventions.

2 Promote inclusive and participatory governance, social fairness and equity from the start and throughout the process and outcomes.

3 Include a continuum of restorative activities.

4 Aim to achieve the highest level of recovery for biodiversity, ecosystem health and integrity, and human well-being.

5 Address the direct and indirect causes of ecosystem degradation.

6 Incorporate all types of knowledge and promote their exchange and integration throughout the process.

7 Build on well-defined short-, medium- and long-term ecological, cultural and socio-economic objectives and goals.

8 Tailor to the local ecological, cultural and socioeconomic contexts, while considering the larger landscape or seascape.

9 Include monitoring, evaluation and adaptive management throughout and beyond the lifetime of the project or programme.

10 Build on policies and measures that promote its long-term progress, fostering replication and scaling-up.

Supporting documentation

- Information compiled by company staff

Area of land

44.2 hectares under restoration

The interventions are helping to recover the ecosystem services of the selected areas, mainly in carbon sequestration, in addition to encouraging the presence of fauna.

Our coffee farms/plantations are densely packed, with around 5,000 plants per hectare, based on technical expertise provided for the area. In areas where there are some remaining individuals, they are being managed for better growth.

Since we started our activities, we have planted native trees connected to the environmental adaptation programme developed with ESALQ. This model was developed so that we could insert ourselves in that space, respecting the local characteristics. Therefore, we already had a collection of ideal species and we expanded this by collecting seeds in our areas.

All seedlings produced so far come from seeds collected from matrices located inside the Daterra farm. The species produced with their respective scientific names can be found HERE.

Supporting documentation

• Information compiled by company staff

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