



Locality: Andradas-MG

Data: 13/03/2024

Coffee farmer: BRAULIO STIVANIN JUNIOR

FORQUILHAS REUNIDAS PETITE ESTATE

VISIT REPORT

Andradas is a Brazilian municipality in the state of Minas Gerais, located in the microregion of Poços de Caldas. It covers an area of 469 km² with an average altitude of 1231 meters. The terrain is hilly to mountainous, with a mild climate almost all year round. Its coffee plantation spans 9481 hectares with an average production of 250 thousand sacks annually. Andradas ranks as the 19th largest producer of processed coffee in the state (in quantity) and is among the top 35 national producers (in profitability).

The property is managed by the couple Bráulio and Adriana, who prioritize specialty coffee and sustainability in their production. They are part of the "Generations" project by Cooxupé and are at level 4, the highest level of the program, which encourages cooperatives to adopt sustainable practices. Although not born on a farm, they are passionate about coffee culture and fully engaged in the activity.

During our visit to the plantations, we observed good health and adequate nutrition. The producer conducts annual foliar and soil analyses, weed control is primarily done through mechanized mowing and rarely with chemical herbicides. To enhance soil conservation between rows, farmers use a seed mix, which, once established, protects the soil, increases green mass, and attracts and protects natural enemies of pests.

Organic coffee husks are returned to the plantation, and the use of organomineral fertilizers promotes greater agricultural production sustainability by reducing chemical fertilizer use by up to 30%. Additionally, they contribute to carbon replenishment in the soil over the years, improving fertility levels and the presence of beneficial microorganisms.

When renewing their plantations, they opt for cultivars that enhance beverage quality, productivity, and disease resistance/tolerance. This optimizes resource use, reducing chemical





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inputs and increasing profitability while minimizing the need for opening new areas, which can be directed towards fauna, flora, water, and soil conservation.

To ensure coffee quality, the producer uses a washer/separator and maintains extreme cleanliness on the paved terrace to avoid any negative impact on beverage quality.

There is a legally protected permanent preservation area (APPs) where over 400 native tree seedlings were planted in the past, in addition to a forest reserve that exceeds 30% of the property area.

In conclusion, among the various attributes required in the sustainability report, we can consider it satisfactory, with most aspects addressed, but always requiring attention and adaptation to the constant changes in technical, environmental, and social aspects of agriculture in our country. Below are points to be observed and actions to be taken:

ENVIRONMENTAL PILLAR

Windbreak Use: During coffee plantation renewals, include windbreak planting to reduce wind impact on coffee plant leaves, hail impact, fungal diseases, and increase revenue through intercropping with crops like avocado and banana.

Biological Products Use: Intensify the use of biological products, such as bioinsecticides, bionematicides, and phosphorus solubilizers, contributing to agricultural system balance and preserving insects like natural enemies of pests and bees, which are threatened in various regions.

Pesticide Depot: Expand the depot, ensuring space compatible with the maximum volume of products to be stored and allowing circulation of people. Implement a ventilation system to ensure internal air renewal, either naturally, mechanically, forced, or mixed, according to legal requirements. Ensure good lighting in the environment for easy reading of labels and product identification. Installation of an emergency shower and eye wash station near the pesticide storage area for easy access by operators, ensuring that no splashes reach the stock.

SOCIAL PILLAR

Sanitary and Comfort Conditions in Rural Work: Despite the property's small size and the proximity of the plantations to the headquarters, it is essential to provide easily accessible structures for employees, providing potable water for meals, rest, and personal hygiene (bathrooms). These areas are extremely important for the well-being and comfort of workers.

Below are some images that illustrate our visit.



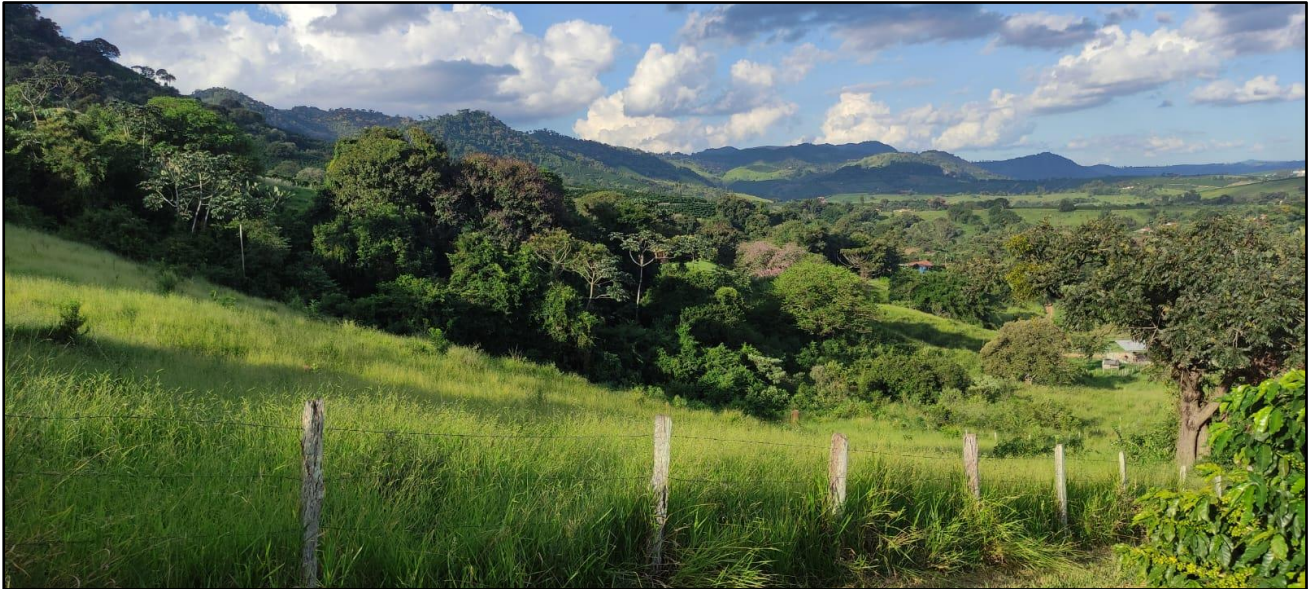
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Biodiversity and Conservation





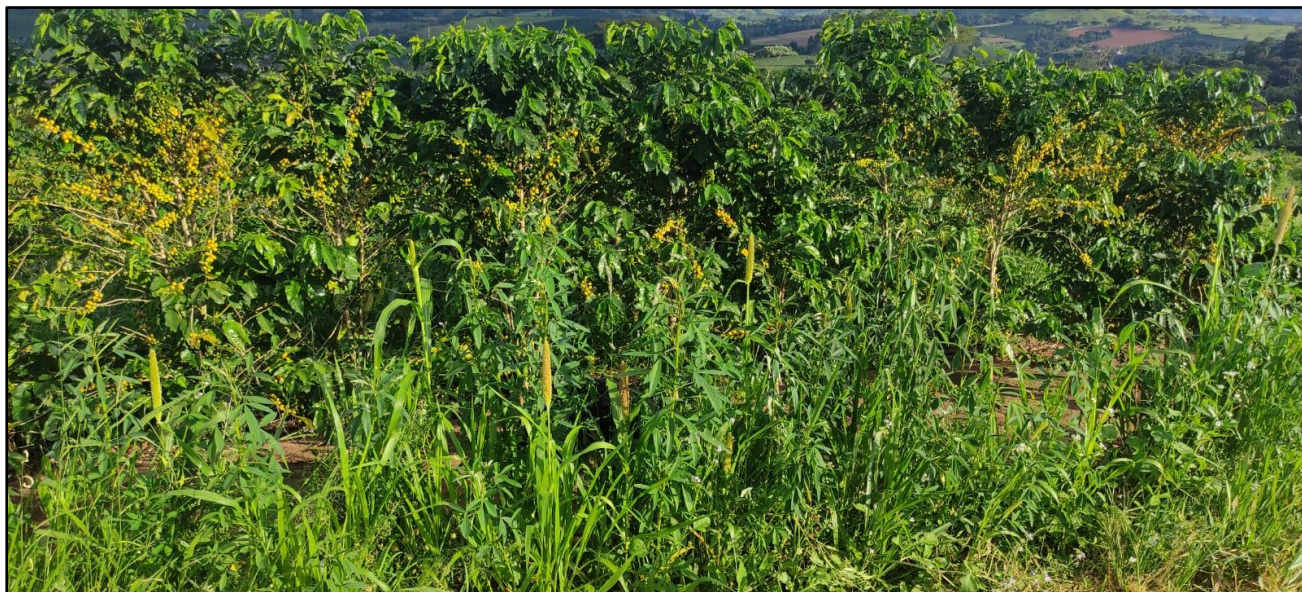
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Soil and Nutrient Management





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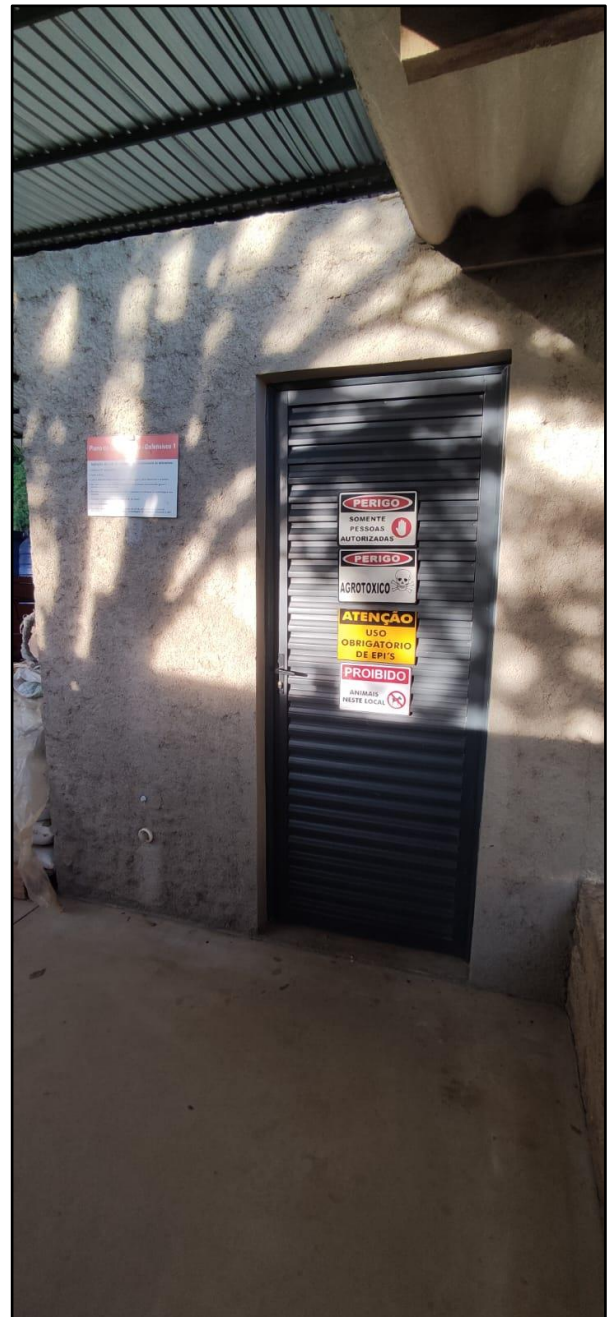
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Agrochemicals





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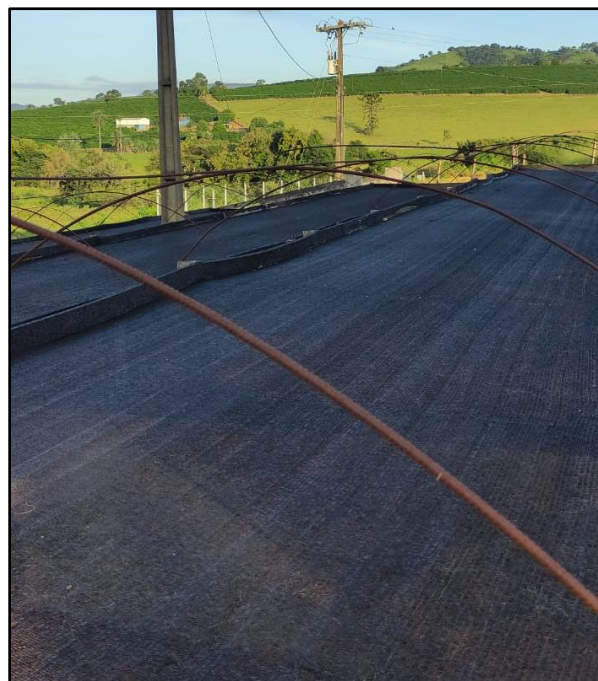
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Waste Management



Coffee Processing Area





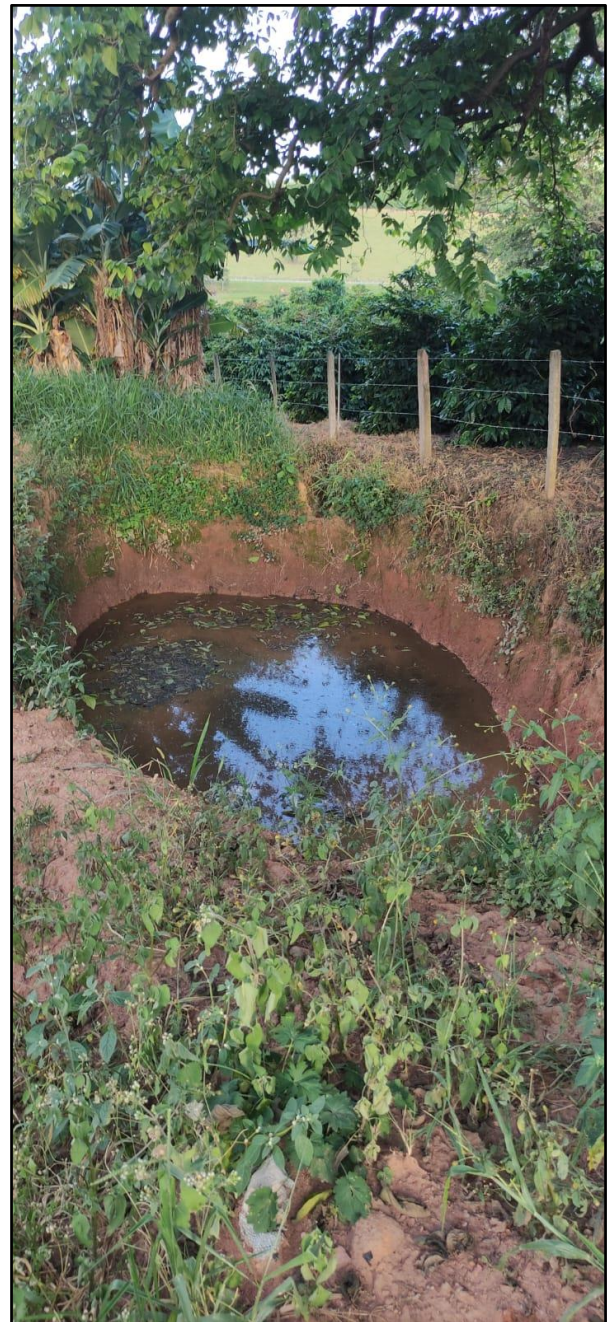
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Soil Conservation Strategies





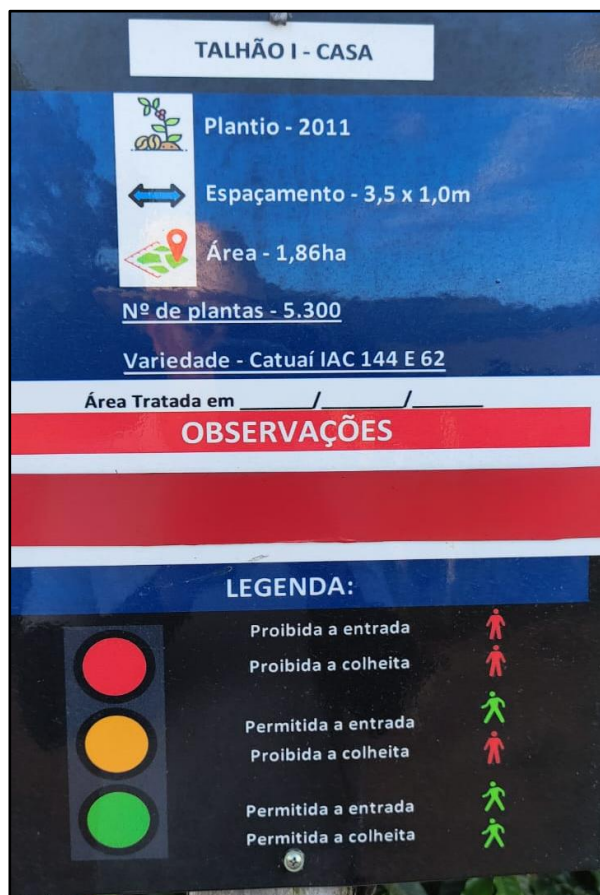
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Informational Signs





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