



🏠 **Locality:** Santana de Caldas (Caldas-MG)  
📅 **Data:** 26/03/2024  
👤 **Farmer coffee:** Edenilson Aparecido de Carvalho

# MÃE PROVIDÊNCIA PETITE ESTATE

## VISIT REPORT




Caldas is a Brazilian municipality in the interior of the state of Minas Gerais, located in the Immediate Geographic Region of Poços de Caldas, in the Southern part of Minas. It spans a total area of 712 km<sup>2</sup>, with an average altitude of 1270 meters. The terrain is predominantly hilly to mountainous, with a mild climate almost year-round. Its coffee plantation, covering 1311 hectares, has significantly developed over the past 8 years and is primarily known for family-owned producers and the production of specialty coffees.

Mr. Edenilson and his family own a property situated in the locality of Santana de Caldas, with 3.2 hectares of coffee already in production. They lack post-harvest infrastructure and rely on assistance from neighbors and family members for farm management.



Coffee farmers receive guidance from various professionals. Technical support is provided by Acácio from Cooxupé, management assistance is offered through the ATeG project by SENAR MG,



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sustainability initiatives are supported by Livia from Cooxupé's Gerações Project, and quality and post-harvest management are overseen by Felipe from SMC. The close relationship with Cooxupé is significant, as they reportedly sell 100% of their production to the cooperative, either through the common platform or through SMC (dedicated exclusively to specialty coffees).

In terms of technical aspects, the plantations exhibit good health and adequate nutrition. The producer conducts annual foliar and soil analyses, and weed control is solely through manual mowing. Among modern soil conservation practices, the use of a seed mix of non-commercial plants beneficial for nutrient recycling, soil protection, increased green mass, and attraction and protection of natural enemies of pests is recommended between rows.

The producer already utilizes biological products, enhancing a more sustainable management approach. The use of biological products in agriculture contributes to the balance of agricultural systems and facilitates, for example, the preservation of insects of interest such as natural enemies of pests and bees - currently threatened in various regions of the planet.

Organic fertilizers include the return of coffee husks to the plantation, and the use of organomineral fertilizers, which enhance agricultural sustainability by reducing chemical fertilizer usage by up to 30%. Additionally, they contribute to carbon replenishment in the soil, with a cumulative effect over the years as the farmer adds carbon to the soil, improving fertility levels and the presence of beneficial microorganisms.

The producer also mentioned that as they renew their plantations, they opt for more productive and disease-resistant cultivars, optimizing land and resource use. This reduces the need for chemical inputs, increasing profitability on the same area and minimizing the necessity for opening new areas, which can instead be directed towards fauna, flora, water, and soil conservation.

There are no permanently protected areas (PPAs) designated due to the property being below 4 fiscal modules, which is the minimum area required for conservation. However, the family is concerned with conserving hilltops and water sources.

In conclusion, among the various attributes required in the sustainability report, a significant portion is satisfactorily addressed, although constant attention and adaptation to the ever-changing technical, environmental, and social aspects of agriculture in our country are necessary. Below are some images that illustrate our visit and the attributes addressed.



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## MÃE PROVIDÊNCIA PETITE ESTATE



Lavador - separador de café



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Properly labeled pesticide

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