



🏠 Locality: Poços de Caldas -MG  
📅 Data: 13/03/2024  
👤 Coffee farmer: WEBER MARCOS DIAS

## SANTA TEREZINHA PETITE ESTATE

### VISIT REPORT

Poços de Caldas is a Brazilian municipality in the interior of the state of Minas Gerais, located in the southern region of Minas. It covers an area of 547.059 km<sup>2</sup>, with an average altitude of 1244 meters. Its terrain is predominantly mountainous, with a mild climate practically all year round. Its coffee plantation covers about 3,600 hectares and is mainly known to produce specialty coffees.



Mr. Weber's properties are located close to each other, with the highlight being Fazenda Santa Terezinha, situated at approximately 1100 meters above sea level. It spans about 15 hectares in total, with 7 hectares dedicated to coffee, spread across 2 cultivars: Arara and Catucaí. These cultivars are productive, produce good quality beans, and are disease-tolerant. Currently, the average productivity of the crops is 40 sacks per hectare, but the trend is for this average to increase even more, as some crops have not yet reached their maximum productivity.

The coffee farmer manages the plantations with the help of his two sons, Wallison and Wenison, and his wife Edivana, who assists in decision-making and during the coffee processing, especially during harvest time. They receive assistance from various professionals, including technical advice from Gabriel from Cooxupé, management support from Charles from the ATeG project of SENAR MG, sustainability guidance from Julia from the Gerações project of Cooxupé, and quality and post-harvest advice from Felipe from SMC.

During our visit to the plantations, we observed that they are in good health and well-nourished. The farmer regularly conducts leaf and soil analysis, and weed control is carried out using herbicides and mechanical mowing. It's worth noting that he also uses Brachiaria grass



🏠 Locality: Poços de Caldas -MG  
📅 Data: 13/03/2024  
👤 Coffee farmer: WEBER MARCOS DIAS

## SANTA TEREZINHA PETITE ESTATE

between the rows, which protects the soil from erosion, promotes nutrient recycling, and facilitates weed control.

The farmer already uses biological products in his plantations, employing *Beauveria bassiana* to control coffee borer, a pest that causes significant damage to both production and quality. The use of biological products in agriculture contributes to the balance of agricultural systems and helps preserve insects of interest, such as natural enemies of pests and bees, which are currently threatened in various regions of the planet.

Organic fertilizers are supplied by returning coffee husks to the plantation. While mineral fertilizers are still used, we recommend including organomineral fertilizers in the management plan, as they provide greater sustainability to agricultural production by reducing the use of



chemical fertilizers by up to 30%. Additionally, they contribute to carbon replenishment in the soil, resulting in cumulative effects over the years, improving fertility levels and the presence of beneficial microorganisms.

Since the establishment and now in the renovation of their plantations, they have opted for more productive and disease-resistant cultivars, optimizing the use of area and resources, thus reducing the use of chemical inputs and bringing greater profitability to the same area. They employ zero-harvest management and corrective pruning to maximize the potential of the crop and optimize labor during harvesting.

There are permanent preservation areas (APPs) and legal reserves, exceeding the minimum area required, always observing concern for the conservation of hilltops and springs.

In conclusion, among the various attributes required in the sustainability report, we can consider it satisfactory, as a significant portion is met, always requiring attention and adaptation to the constant changes in the technical, environmental, and social aspects of agriculture in our country.

Below are some images that illustrate our visit and the attributes addressed specialis.



🏠 Locality: Poços de Caldas -MG  
📅 Data: 13/03/2024  
👤 Coffee farmer: WEBER MARCOS DIAS

## SANTA TEREZINHA PETITE ESTATE



Detail of informational signs about cultivars and other details of the plot."



Detail of informational signs about cultivars and other details of the plot."



🏠 Locality: Poços de Caldas -MG  
📅 Data: 13/03/2024  
👤 Coffee farmer: WEBER MARCOS DIAS

## SANTA TEREZINHA PETITE ESTATE



Cover crop planted between coffee rows.



Cover crop between coffee rows after mowing.



🏠 Locality: Poços de Caldas -MG  
📅 Data: 13/03/2024  
👤 Coffee farmer: WEBER MARCOS DIAS

## SANTA TEREZINHA PETITE ESTATE



Agronomic Overview, Demonstrating its Planting on Contour Lines.



Coffee drying patio, still made of soil.



🏠 Locality: Poços de Caldas -MG  
📅 Data: 13/03/2024  
👤 Coffee farmer: WEBER MARCOS DIAS

## SANTA TEREZINHA PETITE ESTATE



Suspended coffee drying patio



Pesticide storage facility



🏠 Locality: Poços de Caldas -MG  
📅 Data: 13/03/2024  
👤 Coffee farmer: WEBER MARCOS DIAS

## SANTA TEREZINHA PETITE ESTATE



Informational sign



Detalhe de uma placa informativa

Flávio Meneses Soares  
Responsible Agricultural Engineer  
CREA: 14946D