

# Brazil

## Fazenda da Lagoa

InterAmerican  
**COFFEE**

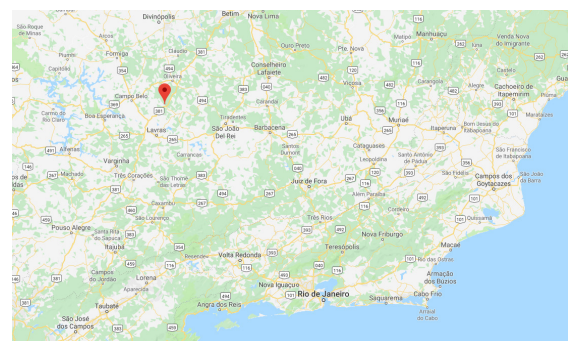


## Farm information

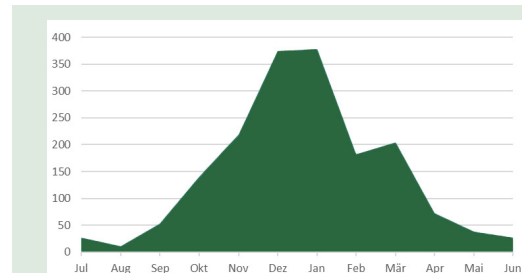
Fazenda da Lagoa is located in the Municipality of Santo Antonio do Amparo in the state of Minas Gerais at 400 km from São Paulo, 170 km from Belo Horizonte and 470 km from Rio de Janeiro. The farm is accessible from Sao Paulo airport over the Fernão Dias highway, which crosses the farm. The gross area of the farm is 3713ha of which 779ha are in a sparate block at about 8km from the main farm. 1857ha are under coffee cultivation and the farm ´s altitude is 1100 meter above sea level. The region features soft undulating hills and it ´s main agricultural activities are coffee, cattle grazing and eucalyptus, apart from minor maize and sugar cane production. It is thus a region of intensive agriculture. Acquisition of Fazenda da Lagpa took place in February 2003, which, over time, was followed by several acquisitions of adjacent land as well as the 779ha separate blocks. Da Lagoa has 260 permanent employees plus 200 – 300 pickers during harvest. The farm is largely mechanized and runs on an unshaded, intensive cultivation model.

## Climate and biosphere

Climate in the farm's region is formed by a warm rainy season between October and April and a cold, dry winter between May and September, which is also the harvest season. Fazenda da Lagoa is in a region that was originally covered by Atlantic rainforest, which gradually disappeared over past centuries due to the extension of agriculture. However, there are remaining patches in the region, of which some good stand are on the farm. As can be seen in the table on the right, the farm includes a considerable, accumulative area of 1408ha of forest, bush and wetlands. This wilderness is found in large forest patches but also around and along numerous springs and streams, all creating an inter-linked ecological system of high value. Shortly after the acquisition of the farm in 2003, these areas were demarcated and permanently protected from any human and domestic animal interference. This has not only led to a remarkable recovery of the flora but also a suspected increase of wildlife population.



### Rainfall



### Farm land structure

Definition	Hectares	Percentage
Gross Area	3713	100
Gross Coffee Area	1857	50
Registered legal reserve	732	19,7
Native Forest	225	6
Preservation areas along waterways	365	9,9
Other zones of compensation	86	2,3
Pasture	220	5,9
Woodlots	83	2,2
Roads, Buildings	145	7

## Special environmental work and collaborations

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Fazenda da Lagoa invests a lot into special environmental work and many research establishments support them with their work.

In 2008 a scientific study on the composition of ecological corridors was carried out in the area called Engenho and resulted in the findings of "Da Lagoa Composition Ecological Corridor". The Da Lagoa comprehensive flora and fauna study 2009 (containing 106 pages) for the identification of flora and fauna was carried out in the reserve area Mato Fial, whose composition is representative for other reserve areas on Fazenda da Lagoa. In 2009 - 2010 a scientific study on the use of an ecological corridor by small mammals was carried out, listing all the locally living small mammals.

There also exists a list of wildlife observed by farm community. The reforestation projects of recent years, used indigenous species of the biome Mata Atlantica in partnership with the SOS Mata Atlantica organization. Clickavore and Floresta do Futuro are sub-organization of SOS Mata Atlantica, which provides the planting material and Fazenda da Lagoa ensures planting & care until maturity. There also is a cooperation agreement with Universidade Federal de Lavras (UFLA) on scientific and technical research on community of medium to large mammals in agricultural landscapes in southern Minas Gerais. The currently ongoing research is led by Professor Marcelo Passamani, Ecology department, on the occurrence of medium to big size mammals in agricultural areas in the south of Minas Gerais with a 12 months duration in 2017.

## Outlook and challenges

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Fazenda da Lagoa is planning to introduce old, rare fruit species from Brazil that once were common in the region but over time have become nearly forgotten. Additionally an educational path or garden with protected tree species and instructive signs on local fauna and flora. There is supposed to be an installation of cameras in reserve areas for wild animals' registration and an installation of perches or similar for wild birds as an incentive for natural seed propagation. Raising consciousness of farm community for wildlife protection by, for example, establishing a library with books and DVD for farm workers and habitants on environmental subjects, day visits to wildlife centres, e.g. Zoo Varginha in Belo Horizonte, or creating a medicinal garden near the nursery with native herbs that grow on Lagoa and once were commonly used for healing, are outlooks as well. Last but not least, Fazenda da Lagoa will start native tree planting with bigger seedlings along some roads, corridors and as a reinforcement of restauration areas.

### Tropical Farm Management



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