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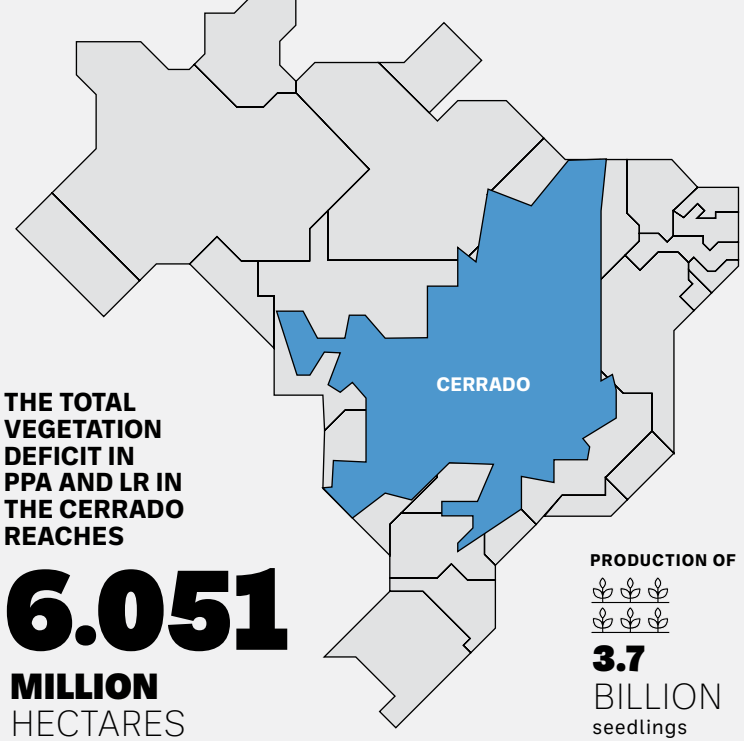
HOW MUCH INVESTMENT DOES BRAZIL NEED TO RESTORE THE CERRADO?

Brazil entered the Paris Agreement in 2015[1], committing itself to the goal of restoring 12 million hectares of native vegetation until the year 2030[2]. About half of this area lies in the Cerrado, with a vegetation shortage exceeding six million hectares in Permanent Preservation Areas (PPA) and Legal Reserves (LR).

To restore the biome slashed by deforestation – considered as being "the country´s water tank" for hosting rivers that supply major hydrographic basins – it is paramount for Brazil to demonstrate that the country is taking the assumed goal seriously. In the year when the Climate Conference (Cop 30) is to be chaired and hosted in Belém (PA), Instituto Escolhas shows how much needs to be invested and what benefits can result from the recovery of the Brazilian Cerrado[3]. Check out below.



THE TOTAL VEGETATION DEFICIT IN PPA AND LR IN THE CERRADO REACHES

6.051 MILLION HECTARES

PRODUCTION OF

3.7 BILLION
seedlings

TO RESTORE THIS AREA REQUIRES INVESTMENTS OF AROUND

USD **22.6 BILLION**[4]

Once this is done, the projected figures are:

NET REVENUE OF

USD **134.1 BILLION**[5]

GENERATION OF
1.8 MILLION
new jobs[6]

REMOVAL OF
2.38 BILLION
tons of C02 from the atmosphere[7]

942 MILLION
m³ of timber

26.6 MILLION
tons of food

TOTAL DEFICIT

DEFICIT IN LARGE AND MEDIUM-SIZED PROPERTIES LOCATED IN LEGAR RESERVES[8]

3.83 MILLION HECTARES

TOTAL INVESTMENT REQUIRED
USD 17.9 BILLION

NET REVENUE **USD 126.8 BILLION**

7x the amount invested

ANNUAL NET REVENUE
USD 4.2 BILLION

Restoration using timber production systems (TPS) can produce
942 MILLION m³ of timber

2.04 MILLION HECTARES
in PPAs on medium-sized and large properties should be recovered using the ecological restoration method.

DEFICIT IN SMALL PROPERTIES LOCATED IN PPAS[9]

172.1 MILLION HECTARES

TOTAL INVESTMENT REQUIRED
USD 3.159 BI

NET REVENUE **USD 7.3 BI**

2.3x the amount invested

Restoration with the use of timber production systems (TPS) can result in the production of
26.6 MILLION tons of food

VALUE CONVERSION USD 1 = BRL 5,82 (Source: Brazilian Central Bank, 02/27/2025).

1. The global treaty, adopted by signatory countries of the United Nations Framework Convention on Climate Change (UNFCCC), during the 21st Conference of the Parties (COP21). **2**. This goal was recorded in Decree nº 8.972/2017. **3**. The study proposes three restoration methods. For small properties In PPAs, it is possible to implement agroforestry systems (a model in which trees and shrubs are cultivated in intercropping with agricultural crops in the same area). For medium and large properties it is possible to: (i) in LRs, implement timber production systems (planting of forest species, which are managed for timber production in different cutting cycles); and, (ii) restore PPAs through ecological restoration (intentional human activity that aims to contribute initiation or acceleration the recovery of an ecosystem in relation to its health, integrity and sustainability). **4**. The data presented consider the results of restoration projects along a 30-years span. **5**. For calculation of the net revenue, we updated the area to be considered for restoration of LRs in the Cerrado, which increases the potential for timber production as compared to the areas considered in the study "How much must Brazil invest to recover 12 million hectares of forests?", published by Instituto Escolhas in 2023. **6**. Considering the activities for implementation and initial maintenance of the different proposed recovery methods, seedling production and continuous management of the Agroforestry Areas (AGFs). **7**. cording to data from the Greenhouse Gas Emissions and Removals Estimates System (SEEG), Brazil released the equivalent of 2.3 billion tons of carbon dioxide in 2023. **8**. Above 4 fiscal modules. Art. 67 of Law 12.651/2012 exempts the restoring, compensation, or regeneration of the LR on small rural properties. **9**. Areas of up to four fiscal modules, according to art. 2, V of Law 12.651/2012. On small properties, the Forest Code authorizes the restoration of permanent preservation areas through agroforestry systems.

TECHNICAL EXECUTION
BIODENDRO

REALIZATION
INSTITUTO ESCOLHAS