

## A sector illuminating the way towards the bioeconomy

The planted tree sector is responsible for providing society with over 5,000 bio-based products like paper packaging, fabric, books, diapers, laminate flooring, and wooden furniture, and is known worldwide for sustainability and economic viability.

Caring for the environment is a central strategy for this sector that plants, harvests, and replants, often in areas that were previously degraded. There are currently 9.93 million hectares of productive areas and over 6.05 million preserved hectares containing native vegetation; between Private Natural Heritage Areas, Permanent Protection Areas, and Legal Reserves, this area is larger than the state of Rio de Janeiro.

This industry has a portfolio of investments that have been announced or are already underway in Brazil that total R\$ 54.2 billion (2023–2028), directed toward forests, R&D, operations, modernizing factories, or adding new units. The strength of this industry can be seen in the fact that one new plant has opened each year, on average, over the past decade.

The planted tree sector is present in over one thousand towns and cities in Brazil, driving local economies and bringing development, especially for regions far from large urban centers. Between direct and indirect jobs and the income effect, it generates 2.8 million employment opportunities across the country.



## Providing Bioproducts

Sustainable



From renewable sources



Essentials



Recyclable



Innovative



today and tomorrow...



brazilian tree industry

LEARN MORE ABOUT  
**the planted tree industry**



The planted tree industry uses land intelligently, caring for people and respecting nature.

Drives the economy



US\$11.8 billion in exports

R\$244.6 billion in gross revenues (2021)

Take care of the environment



9.9 million hectares of planted trees

6.0 million hectares of natural vegetation

Generates jobs



2.0 million farmers benefited by outgrower programs

2.8 million people employed

# The future is in planted trees

Conscious of its commitment to provide environmentally friendly everyday products that offer alternatives of those from fossil sources, the planted tree sector has strived to make sustainability part of every step in the production process

In the field, using a management technique known as forest mosaics, the sector combines production and conservation areas; together these areas store 4.45 billion tons of CO<sub>2</sub>eq, demonstrating their potential to help mitigate climate change. This intelligent work with the land also helps regulate water flows improving soil fertility and protecting biodiversity.


For over 20 years, certification systems like the Forest Stewardship Council (FSC) and Programme for the Endorsement of Forest Certification (PEFC) seals attest to the sustainable management applied in the planted tree sector.

In this sector, investments in technology, training, and productivity ensure advances that benefit the environment. Clean energy, which is essential for our planet to reach decarbonization, is already a reality for forest-based companies; today, 88% of the energy produced in manufacturing units comes from renewable sources.


Through innovation, the industry already offers society alternatives beyond the bioproducts that are currently available in the market, with new uses for plant fibers.

Nanocellulose, for example, makes it possible to produce textile fibers with less water and chemicals. Using cellulose as a barrier to replace layers of plastic or aluminum will make shelf-stable liquid packaging even more recyclable and biodegradable.

This sector is always looking for green solutions for a sustainable future.

 **88%** of the renewable energy used in this industry comes from biomass and black liquor

 **+ R\$54 billion** in investments up through 2028

 **+ 5,000** bioproducts (from renewable sources, store carbon, recyclable and biodegradable)



 **8,000** species protected (flora and fauna)

 **2.8 million** employed people (direct and indirect jobs and income effect)

 **66.7%** of paper is recycled in Brazil (one of the highest recycling rates in the world)