



Natural fibers from the Amazon

A history of success in the Amazon bioeconomy.

Next

1. Our **History**
2. Our **Fibers**
3. Our **Footprint**
4. Our **People**
5. Our **Certifications**
6. Our **Invitation**



1 Our History

sustainable since 1966

Example of circular economy in the Amazon



We are Companhia Têxtil de Castanhal - CTC, or just Castanhal, and we are extremely proud of having been manufacturing textile products made from natural fibers from the Amazon since 1966.

With a factory in the city of Castanhal (PA) and branches in Manacapuru (AM) and in the city of São Paulo (SP), **we have been prioritizing the production of natural fiber integrated with the Amazon biome, delivering a value-added product entirely produced in the region**, encouraging economic development connected to environmental preservation and acting as an income generator for thousands of people in the heart of the Amazon.

The malva and jute plantations that supply our raw material are grown in river floodplains, respecting the natural water cycle, with no deforestation and using no fertilizers.



2 Our Fibers

from seed to final product

Malva and jute are the two plants that generate our natural fibers

From seed to final product, we operate throughout the production chain. Learn from this entire journey in the following pages.



Seed

The seeds are cultivated and selected by a team of agronomists from Castanhal and delivered to producers in several regions of the states of Pará and Amazonas.

Planting

The entire planting is a natural process, carried out in the floodplains of Amazonian rivers such as Solimões and Amazonas, at the beginning of the ebbtide, with fertilization by the humus accumulated during the river floods.



Harvest

The plant reaches a height of three to four meters approximately, four months after being sown, when it is ready for harvest. The fiber is found between the bark and the inner stalk.



Washing and drying



The plants are cut and dipped into rivers for a few days. After this process, the bundles are removed, the fiber is separated and placed to be dried on clotheslines.



Bales and logistics

The dry fiber is classified and then sent to the factory in bales, organized according to its type.

Final product

At the factory, the fibers are processed only with organic and vegetable additives.

From here come agricultural hessian bags, shopping bags, yarns for crafts, yarns for the footwear, tobacco, decoration, fashion, and many other industries.

3 Our Footprint

ecological and carbon one

*We have captured
18 thousand tons of CO₂
from the atmosphere
in 10 years*

In 2022, in partnership with the Chemical and Textile Industry Technology Center (CETIQT) of the National Industrial Learning Service (SENAI), **Castanhal carried out a study that proved our activity as a carbon fixer, from seed to manufactured product.**

The natural fiber hessian bag is the only one that fixes carbon

Throughout the analyses carried out by SENAI CETIQT, the performance of hessian bags made from malva, and jute fiber were compared with those made from paper and other synthetic materials,
and it was proven that Castanhal product is the only one which is capable of carbon fixation.



At Castanhal, everything is reused

Pieces of surplus fabric are transformed into eco bags

made by over 300 artisans trained by Castanhal in partnership with the government of Pará in the socio-environmental project *Usinas da Paz*, one of the most important ones in Brazil.

Larger scraps become packaging

for bales and bobbins.

Smaller scraps are transformed into felt

for the automobile industry, which uses it in parts such as trunk lids to replace synthetic materials.





Nature and biodiversity conservation

Since it is carried out on river floodplains, **malva and jute cultivation does not cause deforestation or changes to the region's biome.** It is a natural irrigation process, by the rain and river water.

Clean and renewable energy

Castanhal prioritizes the use of solar energy, in addition to contracting the energy load required for the operation of its factory and branches directly from the free market, from environmentally sustainable power plants.



4 Our People

our strength is our people

Castanhal believes that human beings and nature are a single organism

and that it is its responsibility as a company to consider the economic, social, and environmental aspects in all its business decisions.

**This philosophy is reflected in our
production chain.**





Seed producers

Castanhal Seed Project trains farming families to become seed producers, **transforming an extractive activity into a professionalized culture** with investment in knowledge, technology, and innovation.



Farmers

Those responsible for growing our fibers receive technical support in the selection of seeds, in addition to a 100% harvest purchasing guarantee and fair compensation, helping to secure these workers and their families on their own land, working in an activity that generates income in regions with few economic alternatives.



Collaborators

There are over 1,100 direct collaborators undergoing constant training and development including workers, safety technicians, administrators, agronomists, and several other functions.

5 Our Certifications

who certifies our actions

Who certifies our actions

Currently, we have got important seals and partnerships that assure our sustainable practices. Moreover, we have always been attentive to the market, looking for new certifications to keep on being recognized in our operations.





IBD APPROVED INPUTS

Our products are certified as an approved input for organic production by one of the major certifiers in Latin America,

adapting us to the requirements of the main international markets such as the USA, European Union, and Japan.



CERTIFIED FAIR TRADE

Our commercial relationships are fair and responsible, certified by the Fair-Trade Sustainability Alliance, a certifier that connects quality products from producers to a global network of ethically minded buyers.



CHILD-FRIENDLY COMPANY SEAL

Our commitment against child labor is recognized by Abrinq Foundation, which has been certifying companies committed to guaranteeing the rights of children and teenagers since 1995.



GLOBAL COFFEE PLATFORM

We are members of the international association that promotes sustainability throughout the coffee production chain, including actions that ensure good living conditions for farmers and workers, while protecting natural resources.

6 *Our Invitation*

all we need is you

*Castanhal invites you to join
the Amazon bioeconomy*

A great sustainability history for your business

Having products made from malva and jute in your portfolio means being able to tell your consumer that **your brand supports the sustainable development of the Amazon.**

This bioeconomy history of success may be part of your communication on social media, in the press and in advertising campaigns.

Count on us to expand our partnership or make us your industry supplier of products such as hessian bags, fabrics, and yarns for different purposes, in addition to helping your company develop new products made from natural fibers from the Amazon.



A true way for you to engage with sustainable development

When you introduce more malva and jute products into your life, in addition to consuming quality and durability, **you also join an economic circle that respects the Amazon.**

When purchasing a bag, footwear, hat, or other products made from natural fibers from the Amazon, **you are generating income for thousands of rural producers and workers in the region.**

Having malva and jute in your home is an attitude that helps **make a difference in the sustainable development of the largest biome on the planet.**





Come and join this sustainability history that started from 1966.