

# Sustainability Report

2022/2023 Harvest



central açucareira  
santo antonio s.a.



# About this Report



This is the first Annual Sustainability Report of Central Açucareira Santo Antônio S.A., a privately held company with Central Energética Jitituba as an affiliate.

The report encompasses the timeframe spanning from April 1, 2022 to March 31, 2023, aligning with the sugarcane harvest season, which is the reference for all its production. It was prepared with the support of Peterson Consultoria, based on the standards and guidelines of the latest GRI (Global Reporting Initiative) version. The highest governance body of the company oversaw and approved all of the information presented here; it did not go through an external verification process.

If you have any questions or suggestions, please contact us at: [esg@usinasantoantonio.com.br](mailto:esg@usinasantoantonio.com.br).





# Index

## Santo Antônio Group

- 07 History
  - 10 Highlights
  - 11 Outlook for the Next Cycle
  - 12 Materiality
- 

## Our businesses

- 20 Sugar
- 23 Ethanol
- 27 Energy
- 29 Responsible Agricultural Production
- 34 Financial Performance

## Governance

- 36 Corporate Culture
  - 37 Strategy
  - 38 Board and Management
  - 39 Risk Management and Compliance
  - 40 Quality and Certifications
  - 45 Traceability
- 

## Personnel Management

- 47 Human Resources
- 49 Training
- 52 Safety
- 54 Health
- 55 Young Apprentices

## Environment

- 57 Waste
  - 61 Water
  - 63 Preservation Areas
  - 65 Climate Change
- 

## Social

- 67 Stakeholder Engagement
  - 69 Communities
- 

## Annex





# Message from the Management Board

## Santo Antônio Group



On the north coast of Alagoas, the Santo Antônio Group has been producing sugarcane and its derivative products responsibly for decades. It is a traditional crop in the region, pursued by several generations of a family that has constantly sought to optimize its processes to maximize its impact through the transformation of customs, the reduction of inequalities and the preservation of native vegetation. We have seen generations run the company in turn, and it is our goal to ensure

that future generations have access to the same resources, ensuring the continuity and sustainability of our activities and those of all who will live on these lands.

Accountable for the activities of Central Açucareira Santo Antônio S.A., which controls and operates the Santo Antônio and Camaragibe mills, producers of VHP sugar (for export), crystal (for the domestic market), fuel alcohol and extra neutral alcohol (the latter for use in beverages and

cosmetics), as well as renewable electricity, over the last 65 years we have become a reference among sugarcane producers and processors in the Northeast.

We employ approximately 7,000 people while cultivating some 40,000 hectares of sugarcane fields, purchasing the products of hundreds of mostly small agricultural suppliers and generating positive effects on the economies of more than ten municipalities across the state.



**"We have seen generations run the company in turn, and it is our goal to ensure that future generations have access to the same resources, ensuring the continuity and sustainability of our activities and those of all who will live on these lands."**

**José Carlos Maranhão,**  
Diretor of the Santo Antônio Mill





The harvest cycle of 2022/2023 can be described as evolutionary. Numerous internal improvements have been made to processes, human resources and corporate guidelines. These are necessary instruments and the result of our systematic observations focused on continuous progress and risk management. They are initiatives that are increasingly supporting a strong, secure and resolute Group.

The last few years have introduced external challenges that have had a direct impact on the business: atypical weather conditions, rising input costs and other factors that we do not control but that are reflected in projected results. These adversities demonstrated how resilient we are, how far we have progressed, and how well-prepared we are to overcome challenges.

We preserve large swaths of native vegetation, protect local biodiversity and promote environmental awareness through various initiatives. We are very concerned with implementing good cultivation methods such as fertirrigation and bio-inputs, reducing the use of chemical products, and striving for

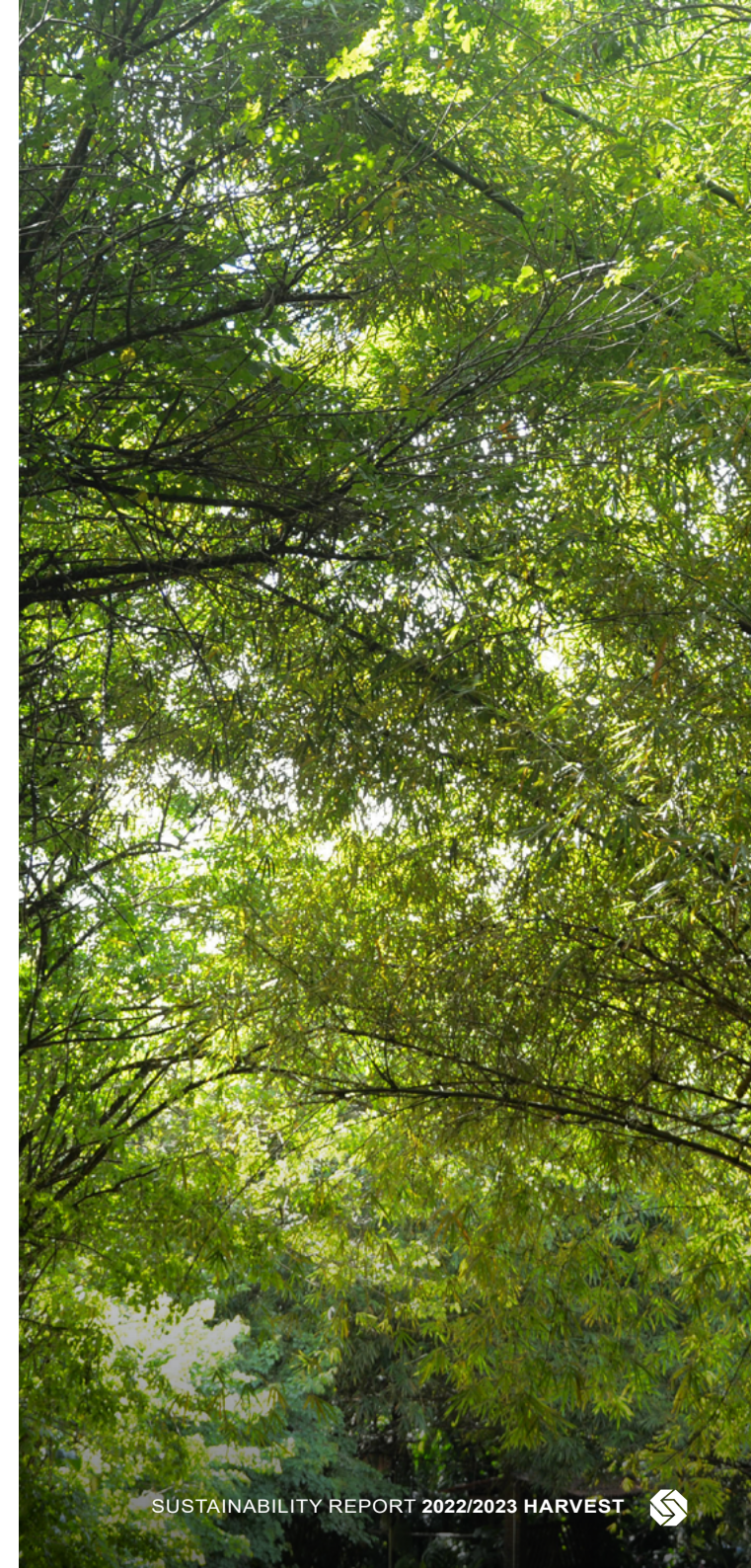
higher productivity, which ensures the long-term sustainability of this entire value chain.

We have a special approach to people, seeking to offer the best working conditions with continuous upgrading of facilities and benefits. We are aware that everything we accomplish is a result of the many individual efforts that build our overall strength. We are active in the communities surrounding us, supporting and developing initiatives that encourage income generation and partnerships to offer a better quality of life in these regions.

We strive for continuous evolution, to stay current with market changes and apply best practices. We rely on consulting firms and specialized professionals to help us improve our processes and thus advance the ESG agenda.

Our first sustainability report has been released to the public, and we can say with certainty that we are making progress toward our goals.

**José Carlos Maranhão,**  
Director of the Santo Antônio Sugarcane Mill







# Santo Antônio Group





# History



Ernesto Gomes Maranhão was born on April 1, 1913, in the municipality of Aliança, located in the north of Pernambuco. His family is descended from Portuguese settlers who arrived in Brazil in the 16th century.

The cultivation of sugarcane and its processing in the Banguê mills dominated the activities of practically all the members of the successive generations of the Maranhão family until the 20th century.

After graduating from high school in Recife, Ernesto plunged into the sugarcane fields of Engenho Titara.

There he worked and lived with his family. Ernesto's hard work and entrepreneurial spirit led him to take a big business step in August 1957, when he sold his properties in Pernambuco and purchased the Santo Antônio Mill in Alagoas.

He insisted, accompanied by his wife, Leticia Maranhão, that his children, José Carlos, Luiz Carlos, Luiz Ernesto, Severino Carlos, and Maria das Graças, stay in Recife to finish their university educations, something he had not been able to do. The three oldest children studied engineering, Severino Carlos went into agronomy, and Maria das

Graças majored in social sciences. While his children were studying, Ernesto struggled to cope with the many technical and economic problems the mills were facing. As the family patriarch, he taught his descendants how to cultivate sugarcane and how to treat the teams. An example of pioneering spirit, development and progress, he always prioritized environmental responsibility and valuing and caring for every employee.

Beginning in the 1960s, the children joined their father in the company's management. The second generation of the family boosted the business, increasing the milling and production capacity, and elevating it to the level of the second largest sugarcane mill in the Northeast.

In 1970, the Maranhão family suffered the premature loss of its greatest

example of pioneering spirit and dedication to work. Ernesto died at the age of 56, leaving his children to carry on the family business.

In 1980, they acquired the Camaragibe Mill. Today, the Santo Antônio Group operates along almost the entirety of Alagoas' northern coast, with a focus on the municipalities of São Lus do Quitunde, Matriz de Camaragibe, and Passo de Camaragibe.

The facts show that, even though his life was cut short, Ernesto Gomes Maranhão rendered valuable service to Alagoas, his adopted state.

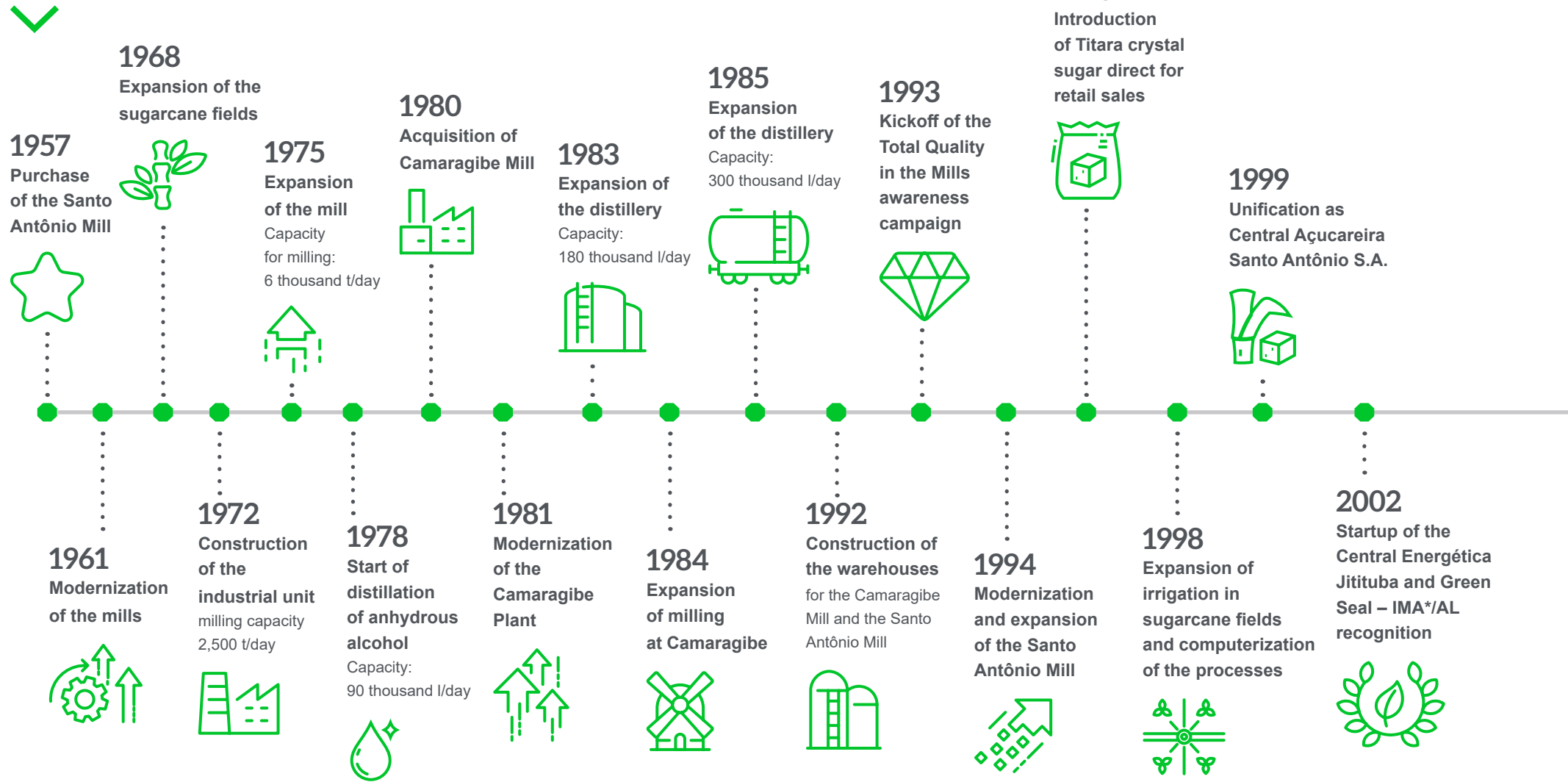
Today, the third generation of the family together with professionals selected from the market head up the company's governance, joining forces so that the business continues to grow.

**Mr. Ernesto Maranhão, in August 1957, sold his properties and acquired the Santo Antônio sugarcane mill in Alagoas**





# Timeline





2004

Modernization of the Jitituba Power Plant and contract with Eletrobrás



Start of production of extra neutral alcohol  
Recognition of the Serra d'Água Reserve and Garabú Subposto as an Atlantic Forest Biosphere Reserve

2008

Start of power supply to the public electricity grid by Central Energética Jitituba



2011

Expansion of the sugarcane suppliers network and creation of the Santo Antônio Ecological Reserve



Cana Invest Award

2013

FSSC 22000 Certification - Food Safety Crystal Sugar



2017

Serra d'Água and Garabú Reserves recognized as RPPNs\*\*



2019

Bonsucro and RenovaBio Certification



2021

Substantial investments in modernization



2023

Corporate Sustainability Policy



2003

Implementation of the ERP system and start of production of high-quality alcohol



Creation of Serra d'Água Ecological Reserve

2006

ISO 9001 Certification Distillery Laboratory - alcohol



2009

ISO 9001 Certification VHP sugar



2012

ISO 9001 Certification Factory for sugar and alcohol



2014

Environmental Highlight Award – IMA/AL



2018

Modernization for the production of brandy and cachaça Capacity: 140 thousand l/day



2020

Modernization to boost ethanol production by 50%



2022

Group's Materiality Process



Expansion of fertirrigation and start of localized vinasse application





# Highlights

## 2022/2023 harvest



2<sup>nd</sup> place Bonsucro, world level



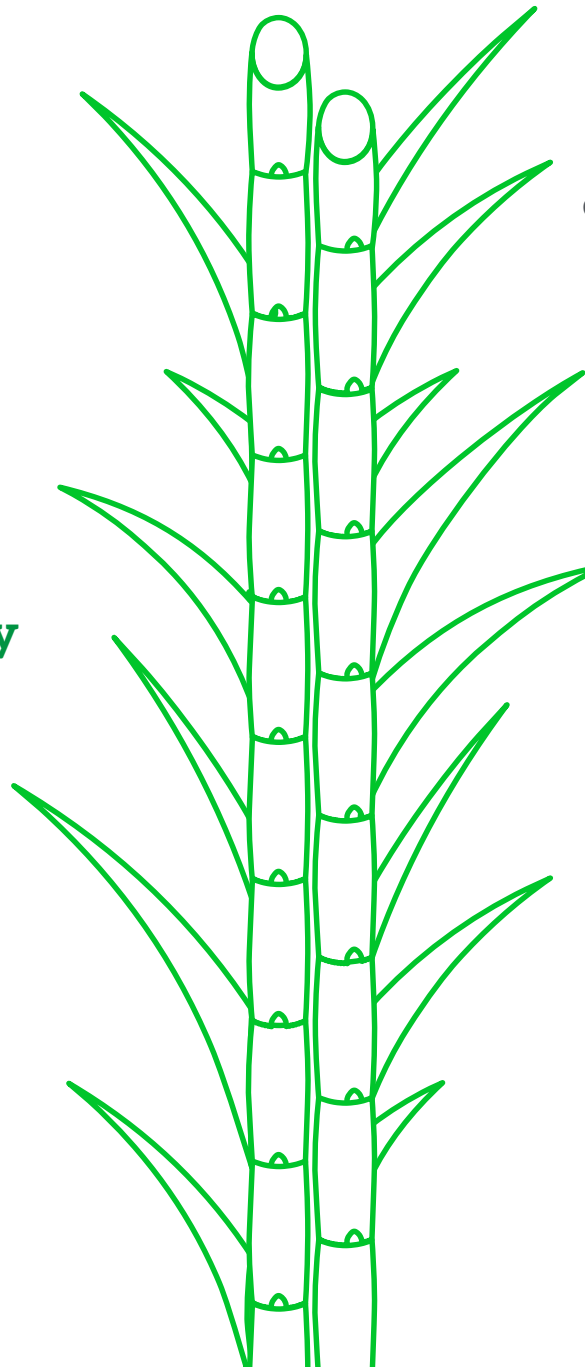
Formalization of the corporate **Sustainability Policy**



Definition of the Group's **Material Topics**



Increased use of **macro and microbiologicals**



**Reduction of accidents** during harvest cutting in the fields



Increase in **production capacity** of the Ethanol Distillery



Increase of **FSSC 22000** scope for raw sugar



Authorization from the ANP\* to **increase the production** of anhydrous ethanol and hydrated ethanol



Publication of the Group's **1<sup>st</sup> Sustainability Report**



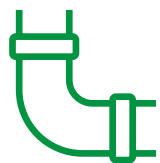
\*ANP: National Oil Agency



# Outlook for the next cycle



Structuring and functioning of **the bio-input plants**



Operation of the sugarcane and vinasse **scrubbing water pipeline**



Implementation of **vinasse enrichment** for fertirrigation





# Materiality



Central Açucareira Santo Antônio S.A. conducted the process of defining the company's Material Topics in 2022 with the support of Peterson Consultoria. Through a robust process of analysis of ESG Environmental, Social and Governance documents, it was possible to assess the company's institutional performance in each of these pillars. A benchmarking process with reference companies in the sector and, later, a broad

discussion with the board, led to a careful evaluation of opportunities for improvement and evolution in the management of performance and indicators.

The methodology used to determine the Materiality Matrix was prepared in accordance with the standards of the Global Reporting Initiative (GRI) and, initially included a review of the corporate

documentation through which the management system, the commitments made by the Corporate Policies and possible opportunities for improvement can be evaluated. With the study of the sector, it was possible to recognize challenges, solutions and trends common to companies in the market and the needs of their stakeholders. Following this phase of analysis, 18 topics of high relevance were identified.



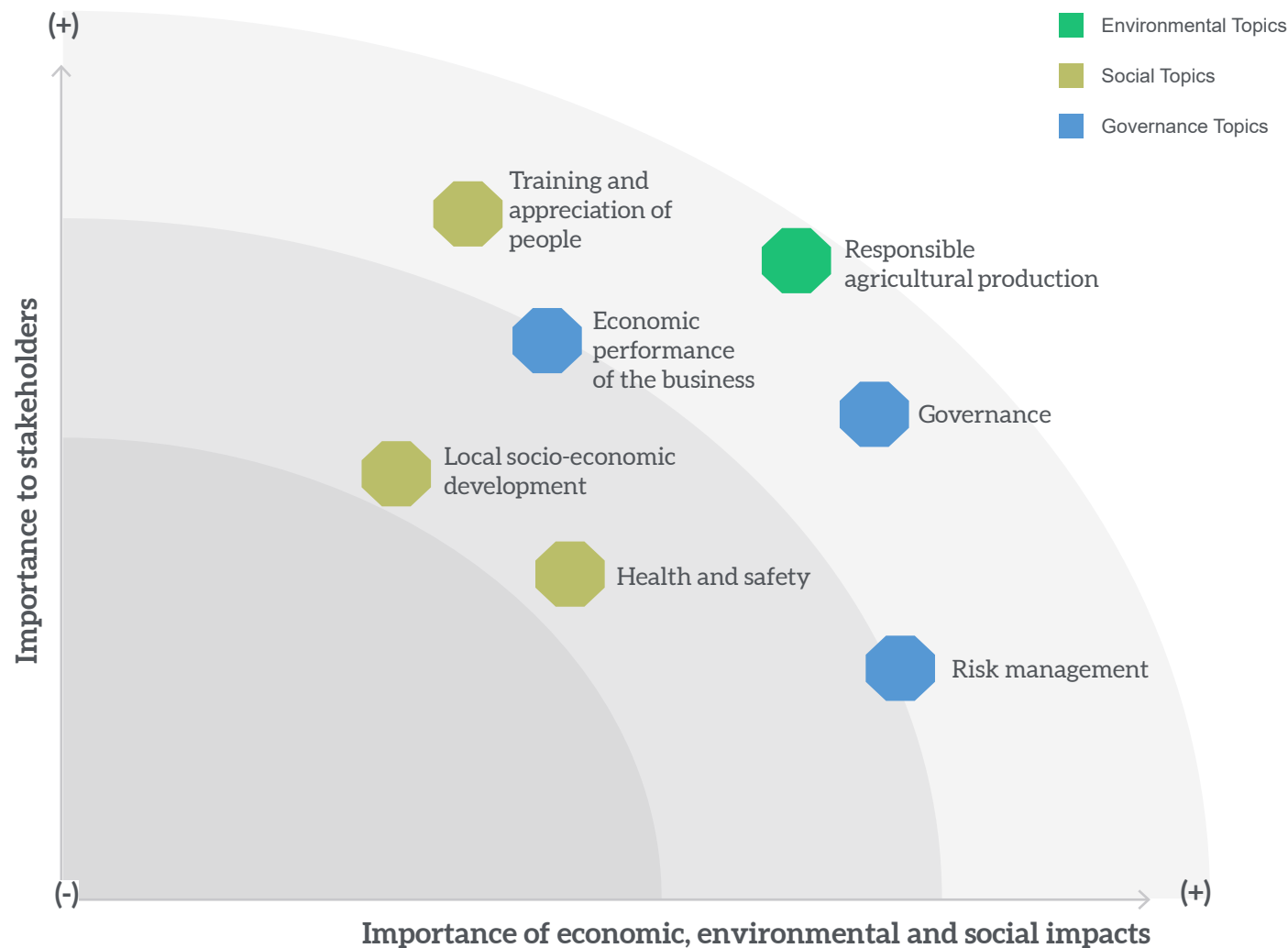
Material topics	Topic definition
1. Responsible agricultural production	Implementing good agricultural production practices (such as precision agriculture, integrated pest management, biological controls, proper use of pesticides, fertirrigation, soil conservation and fertility; reducing water consumption and managing fires, among others) that promote operational efficiency and the proper use of resources.
2. Biodiversity protection	Conservation of natural resources and maintenance of Permanent Preservation Areas (APPs), legal reserve and other protected areas. Promote reforestation and combat deforestation.
3. Water management	Follow standards and regulations on water use, value the conservation of water resources and practice responsible consumption.
4. Climate change and decarbonization	Have strategies to mitigate greenhouse gas emissions and implement climate-friendly technology.
5. Waste management and circularity	Reduce the generation of waste from operations, promote recycling and correct disposal of waste by taking advantage of by-products and establish their circularity.
6. Energy efficiency and energy production	Promote energy self-efficiency through the use of sugarcane waste and other initiatives to promote clean energy.
7. Health and safety	Ensure labor rights and promote health and safety for employees, service providers and suppliers.
8. Local socio-economic development	Continuously engage with the communities in which the company operates, create, whenever possible, opportunities for the local population and partner with other organizations to support socio-economic development initiatives.
9. Food safety	Ensure the quality of the food that is marketed, from the handling and preparation stages to its consumption.
10. Training and valuing people	Operate an inclusive work environment with employee development, talent retention and creation of training opportunities and professional advancement for all.
11. Human rights	Develop strategies to prevent child labor, slave-like labor, discrimination, violence at work, harassment or abuse in company operations.
12. Stakeholder relations	Map and develop stakeholder relationship strategies, provide opportunities for active listening, promote effective communication, set up communication channels, organize communication actions (events, sending emails/releases/bulletins), publish a sustainability report, foster good practices in the value chain (meetings, training).
13. Economic performance of the business	Seek good economic performance and profitable and sustainable growth. Align internal policies with good market practices, bringing prosperity to the business responsibly.
14. Production innovation and technology	Ensure safe, reliable and high-quality products, in accordance with national and international standards. Conduct physical, chemical and biological risk assessments related to consumer health to continuously improve products in terms of sustainability.
15. Recognition and economic appreciation of sustainable practices by society	Recognize that all practices aimed at business sustainability provide benefits to society and the various stakeholders involved, and thus merit the use of investments, energy, and dissemination.
16. Social and environmental impacts of the operations	Evaluate the possible environmental and social impacts of the company, in order to assess alternatives and plan appropriate mitigation, management and monitoring measures for these impacts.
17. Risk management	Improve risk mapping, analysis, and management to better prepare for decision-making situations, taking into account financial, compliance, environmental, and social factors, as well as ensuring good relationships with partners.
18. Governance	Promote ethical, reliable, transparent governance and ensure compliance with laws.





With the definition of these 18 preliminary topics, the stakeholder engagement process got underway. Some 26 interviews were conducted with representatives of the internal and external publics. Added to this was a questionnaire made available to employees that received 82 answers. This step aimed to assess each stakeholder's perspective on the selected issues.

As a result of the engagement, the impact of the topics on society and the company's business is evaluated. These data points were used to make a comparison between the responses received, considering information examples and quality as opposed to the assessed impact for each topic. This analytical approach produced a matrix indicating which topics were most materially important for the organization based on the engagement of its stakeholders.





Responsible Agricultural Production	Implementing good agricultural production practices (such as precision agriculture, integrated pest management, biological controls, proper use of pesticides, fertirrigation, soil conservation and fertility; reducing water consumption and managing fires, among others) that promote operational efficiency and the proper use of resources.
Training and appreciation of people	Operate an inclusive work environment with employee development, talent retention and creation of training opportunities and professional advancement for all.
Local Socio-economic Development	Continuously engage with the communities in which the company operates, create, whenever possible, opportunities for the local population and partner with other organizations to support socio-economic development initiatives.
Health and Safety	Ensure labor rights and promote health and safety for employees, service providers and suppliers.
Economic Performance of the Business	Seek good economic performance and profitable and sustainable growth. Align internal policies with good market practices, bringing prosperity to the business responsibly.
Governance	Promote ethical, reliable, transparent governance and ensure compliance with laws.
Risk Management	Improve risk mapping, analysis, and management to better prepare for decision-making situations, considering financial, compliance, environmental, and social factors, including the entire supply chain and ensuring good relations with partners.

■ Environmental Topics   
 ■ Social Topics   
 ■ Governance Topics

The Management Board participated in this process at two different moments: the first, for engagement interviews, and in the second, for the review and approval of the definition of Materiality. The company's senior management was also continuously involved in developing and approving the content of the Sustainability Report.

After determining the prioritized Material Topics, they were analyzed and correlated with the UN's Sustainable Development Goals (SDGs). This process enables us to visualize how the company's initiatives contribute to the achievement of the objectives that comprise this international agenda.





# Sustainable Development Goals



In the Group, responsible agricultural production has always been a priority. It has always adopted and promoted best practices in the field, helping to ensure the wise use of water resources, protect numerous hectares of native forest and its diverse wildlife, and ultimately help to achieve the larger goal of having responsible consumption and production patterns.

A foundational idea passed down from generation to generation is to view its in-house public carefully and attentively. The family business has always provided decent and equal working conditions and, with this, helps to reduce inequalities, poverty and promote local economic development. The Group's contribution goes further: it provides training and access to decent, quality educational resources, promoting the growth of its employees, who, better trained, contribute to more effective and innovative processes.

The attention paid to managing the risks involved in the business guarantees the soundness of an upright and responsible governance, which values both the performance of its results and the health and safety of its teams, which are essential to the business.







# Our Businesses





Central Açucareira Santo Antônio S.A. is comprised of two industrial units, in São Luís do Quitunde and the Camaragibe Headquarters, and an administrative office in Maceió, all in the state of Alagoas. In total, there are more than 100 own and leased sugarcane-producing farms, totaling a sugarcane area of approximately 40,000 hectares. All operating units have the documentation required for legal compliance, with regard to property and land use rights, operating licenses and grants for the use of water resources.

The Santo Antônio Group is inserted in the entire production sugar and alcohol sector production chain. From the planting of sugarcane to the sale of the final product. Each step is processed distinctly. The Group's operating units are equipped for the processing of sugarcane into sugar, ethanol and energy.



Brazil has become a major food provider to the world in the last 40 years, thanks to the expansion of Brazilian agribusiness, which has been driven by public policies and agricultural incentives. Given this opportunity, the company has been investing over the years in technologies that boost the productivity of its sugarcane plantations in order to meet demand from countries where sugar production is scarce or absent.

The Santo Antônio Group produces about 80% of the sugarcane used in its production process, with the other 20% supplied by producers in the region.

Production	Unit	Municipality	Market
Crystal sugar	Santo Antônio Mill	São Luís do Quitunde	Internal
VHP sugar			External
Extra neutral ethanol			Internal and external
Anhydrous ethanol			Internal (NE)
Hydrous ethanol			Internal (NE)
Energy cogeneration			Internal (NE)
VHP sugar	Camaragibe Mill	Camaragibe Headquarters	External

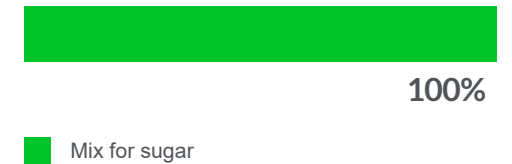
NE refers Nordeste

As seen above, the production mix of the Santo Antônio unit is extensive and may vary according to the market. The production of the Camaragibe unit is 100% VHP sugar for export.

### Santo Antônio Mill

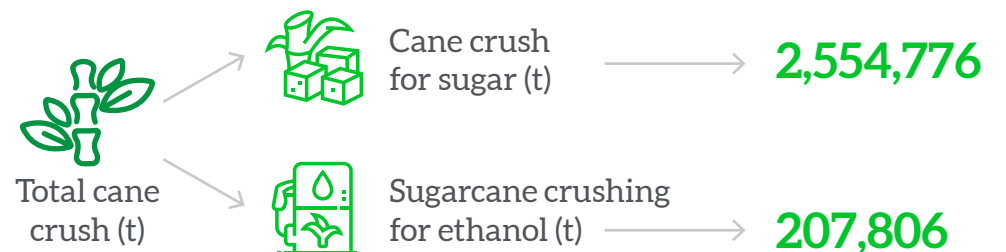


### Camaragibe Mill



\*The results presented above refer to the production of ethanol and sugarcane from 4/1/2022 to 4/30/2023.

The 2022/2023 harvest was one of many challenges. Strongly influenced by the weather, it presented a historical rainfall volume, well above average. The storms damaged roads, hindered access, flooded areas, required extra effort to control drainage channels and prevented crop management at the right time, inevitably impacting the quality of the harvest. However, the Group has over half a century of expertise in sugarcane plantations and a prepared team that was able to respond to the phenomenon and guarantee the harvest. While it can interfere with processes, water is also the main resource for guaranteeing the growth of our raw materials. Precisely because of this, the volume of production in this harvest met all expectations.





# Sugar

The largest portion of the sugarcane harvest of Central Açucareira Santo Antônio S.A. is destined for the production of sugar, in different variations.

## Crystal Sugar

It is white sugar, produced from sugarcane syrup. It is formed through a light refining process. Crystal sugar is obtained through a type of crystallization of treated cane juice that requires a slightly more demanding clarification process, with the use of chemical additives such as liming and sulphuration. As a result, fine and regular crystals are obtained, with high gloss and a minimum purity of 99.5%.

## Demerara Sugar

It is raw sugar, which has not yet undergone refining. The crystals contain molasses and residual honey from the sugarcane itself. Featuring a firm texture, it does not dissolve easily. Due to its centrifugation process, its water content, i.e. its humidity, is in the range of 0.5 to 2%.

## VHP Sugar (Very High Polarization)

It is raw sugar, Brazil's most exported product. It is clearer, with a higher sucrose content than demerara and presents yellowish crystals. It is used as a raw material in refineries for the production of other types of sugar and industrialization processes.

## Titara Sugar

This is Central Açucareira Santo Antônio S.A.'s own brand of white crystal sugar. It is sold in 1kg packs and is aimed at the end consumer.



## 2022/2023 Harvest



### Santo Antônio Mill

<b>Total Cane Crush (t)</b>	<b>2,053,030</b>
Cane crush for sugar (t)	1,845,224
Total VHP sugar production (sc) - raw sugar	3,149,746
Total VHP sugar production (t) - raw sugar	157,487

### Camargibe Mill

<b>Total Cane Crush (t)</b>	<b>709,542</b>
Cane crush for sugar (t)	709,542
Total VHP sugar production (sc) - raw sugar	1,078,049
Total VHP sugar production (t) - raw sugar	53,902

**100%**  
of VHP sugar is exported

Due to the VHP sugar contracts, signed at the beginning of the 2022/2023 Harvest, and the large volume committed in this cycle, it was not possible to produce crystal sugar, intended for industries, packaged both in *big bags*, as well as 50kg bags, and in 1kg packages of Titara sugar for the end consumer. The definition of the type of sugar to be produced is determined by the Commercial Sector, which analyzes the market demand conditions and guides the operation so that it is produced in order to meet the contracts signed and to be negotiated.

All VHP sugar is destined for export, through trading companies, to the world market.

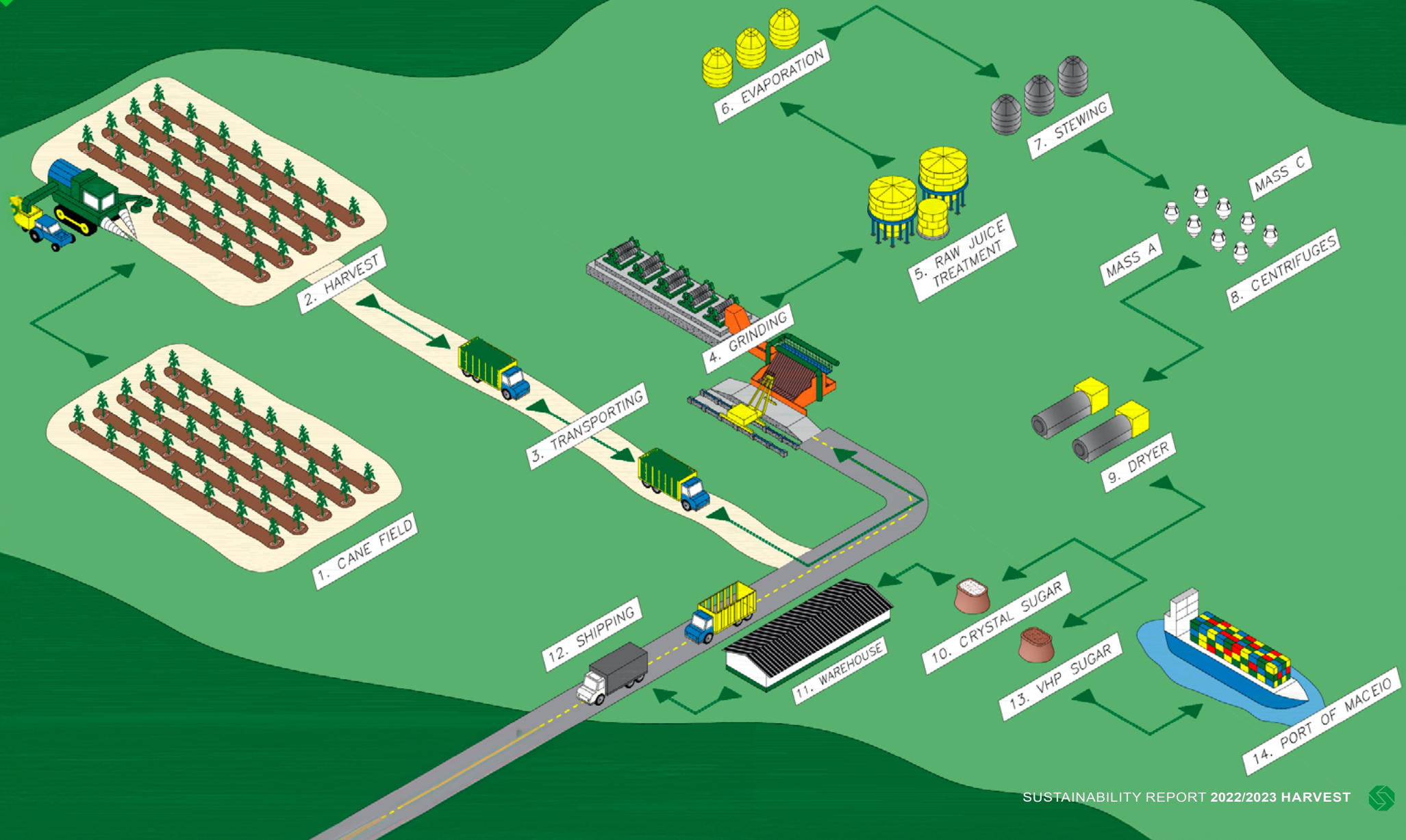
As they are food products, there is a strict quality process in place to ensure the safety of their consumers and meet the export criteria. To learn more about these processes, visit the [Quality and Certifications](#) chapter.

The expertise of Central Açucareira Santo Antônio S.A. authorizes it as a Sugar Classifier, regulated by MAPA (Ministry of Agriculture, Livestock and Supply). As a result, the company is qualified to categorize both its domestic product and that produced in other companies, and the classifications can even be in the types of sugar that its mills do not manufacture, such as refined, for example.





# Sugar production



# Ethanol



After crushing, the sugarcane juice is treated, filtered, fermented, centrifuged and distilled. This leads to ethanol, which can be hydrated (fuel or extra neutral) or anhydrous, which undergoes a dehydration process in which the water is removed and a minimum concentration of ethanol is obtained of 99.3% in mass.

Considered a renewable fuel, since it derives from sugarcane that can be replanted, it is less polluting, as it reduces the emission of greenhouse gases during production and consumption, compared to fossil fuel. In addition, as a plant, it supports the capture and storage of CO<sub>2</sub> (Carbon Dioxide), due to the photosynthesis function.

## Hydrated Ethanol Fuel (EHC)

Intended for direct use in internal combustion engines, it does not require mixing. Sold to fuel distributors or directly to service stations. Regulatory Agency: ANP - National Agency of Petroleum, Natural Gas and Biofuels.

## Ethanol Anhydrous Fuel (EAC)

Used in blending with gasoline for vehicle fueling. Sold to fuel distributors. Regulatory Agency: ANP - National Agency of Petroleum, Natural Gas and Biofuels.

## Extra Neutral Hydrated Ethanol

Extra neutral ethyl alcohol is used as a raw material for a wide variety of sectors as it is free of impurities, which leads to a smooth and pleasant odor. Widely used to produce beverages, food, cosmetics, perfumery, medicines and pharmaceuticals, it is the purest alcohol and does not interfere with the aromas and flavors of the products. Extra neutral ethanol is exported and sold locally, while anhydrous and hydrated ethanol are mainly marketed in the northeastern region of the country.





## Total Ethanol Production 2022/2023 Harvest

<b>Total Cane Crush (t)</b>	<b>2,053,030</b>
Sugarcane crushing for ethanol (t)	207,806
Total ethanol produced (m <sup>3</sup> )	53,303
Total hydrated ethanol fuel (m <sup>3</sup> )	4,505
Total extra neutral hydrated ethanol (m <sup>3</sup> )	9,655
Total anhydrous ethanol (m <sup>3</sup> )	39,143

## Ethanol Fuel Production 2022/2023 Harvest

<b>Total ethanol produced (m<sup>3</sup>)</b>	<b>43,648</b>
Total hydrated ethanol fuel (m <sup>3</sup> )	4,505
Total anhydrous ethanol (m <sup>3</sup> )	39,143

**81.89%**  
of the ethanol  
produced is earmarked  
for the biofuels market

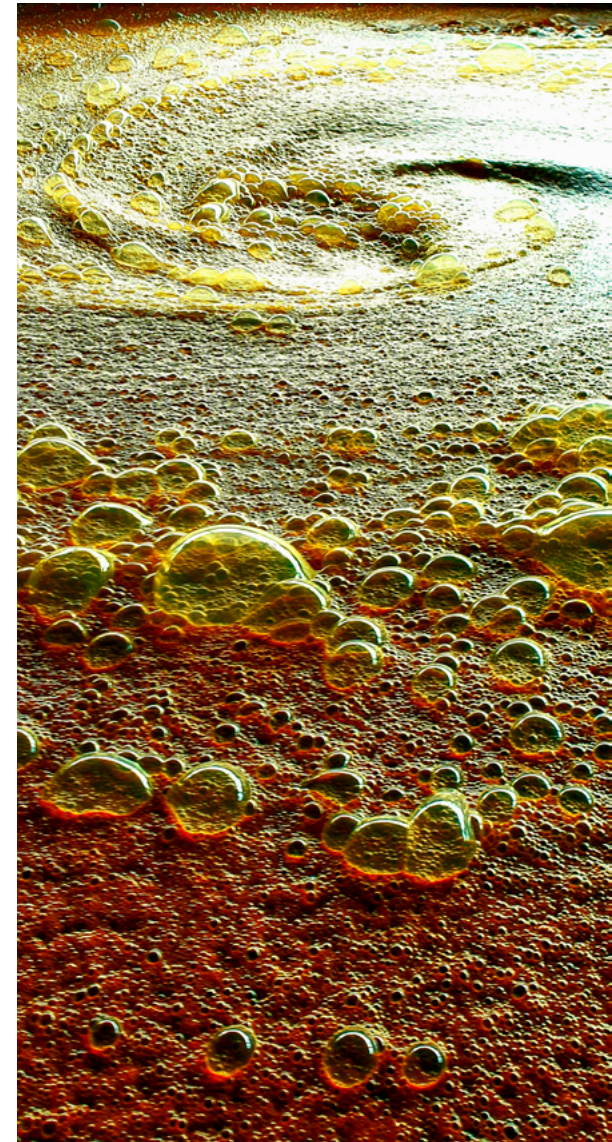
In this last cycle corresponding to the 2022/2023 Harvest, the Santo Antônio Mill Distillery obtained the authorization of the ANP Fuel Production Superintendency, where its production capacity was increased from 325m<sup>3</sup>/d to 505m<sup>3</sup>/d of hydrated ethanol and from 180m<sup>3</sup>/d to 310m<sup>3</sup>/d of anhydrous ethanol. This expansion of the production capacity of the Santo Antônio Mill will provide the market with significant volumes of renewable fuels in the Brazilian energy matrix. In addition to anhydrous, hydrated and extra neutral ethanol, the Santo Antônio distillery also has the expertise and is authorized by MAPA (Ministry of Agriculture, Livestock and Supply) to produce sugarcane spirits and cachaça.

### Sugarcane Spirits

It is a beverage with an alcoholic content of 38% to 54% by volume at 20°C, obtained from the simple alcoholic distillate of sugarcane or by the distillation of fermented must from sugarcane juice, which is intended to be sold to the alcoholic beverage industries.

### Cachaça

It is the typical and exclusive name of sugarcane spirit produced in Brazil, with an alcoholic grade of 38% to 48% by volume at 20°C, obtained by distilling the fermented must of sugarcane juice with peculiar sensory characteristics and which is intended to be marketed to the alcoholic beverage industries.



# RenovaBio



RenovaBio is the National Biofuels Policy, established by Law No. 13.576/2017. The regulation seeks to stimulate the production of this type of fuel in the national energy matrix, aiming to increase supply and minimize environmental impacts through the consumption of energy from clean, renewable, and sustainable sources, while also contributing to the country's fulfillment of its Paris Agreement-related decarbonization commitments.

RenovaBio establishes annual national decarbonization targets for the fuel sector, thereby encouraging the incorporation of biofuels into the nation's transportation energy matrix. The rules define compulsory individual targets for fuel distributors, according to their share of the fossil fuel market, which must be offset through the purchase of Decarbonization Credits (CBIOs).

These bonds are marketed by biofuel producers who, through a certification of their production, receive an Energy-Environmental Efficiency Note that indicates their share of greenhouse

gas mitigation in relation to their fossil substitute (in terms of tons of CO<sub>2</sub> equivalent). Through this certification, involving independent audits, biofuel producers can then issue their CBIOs.

CBIOs - Hydrated Ethanol			
Parameters	2021/2022 Harvest	2022/2023 Harvest	
		Sold through 4/30/23	CBIOs to bill
Production of hydrated ethanol (L)	17,424,466	2,561,078	1,943,871
CBIOs (tCO <sub>2</sub> eq)	16,438	2,416	1,848
Total CBIOs (tCO <sub>2</sub> eq)	16,438	4,264	

Factor for CBIO emission (tCO<sub>2</sub>eq/L): 0.0009433958

Total CBIOs - Anhydrous Ethanol + Hydrated Ethanol			
Parameters	2021/2022 Harvest	2022/2023 Harvest	
		Billed to 4/30/2023	CBIOs to bill
CBIOs total (tCO <sub>2</sub> eq)	37,324	37,904	5,293
Total CBIOs (tCO <sub>2</sub> eq)	37,324	43,197	

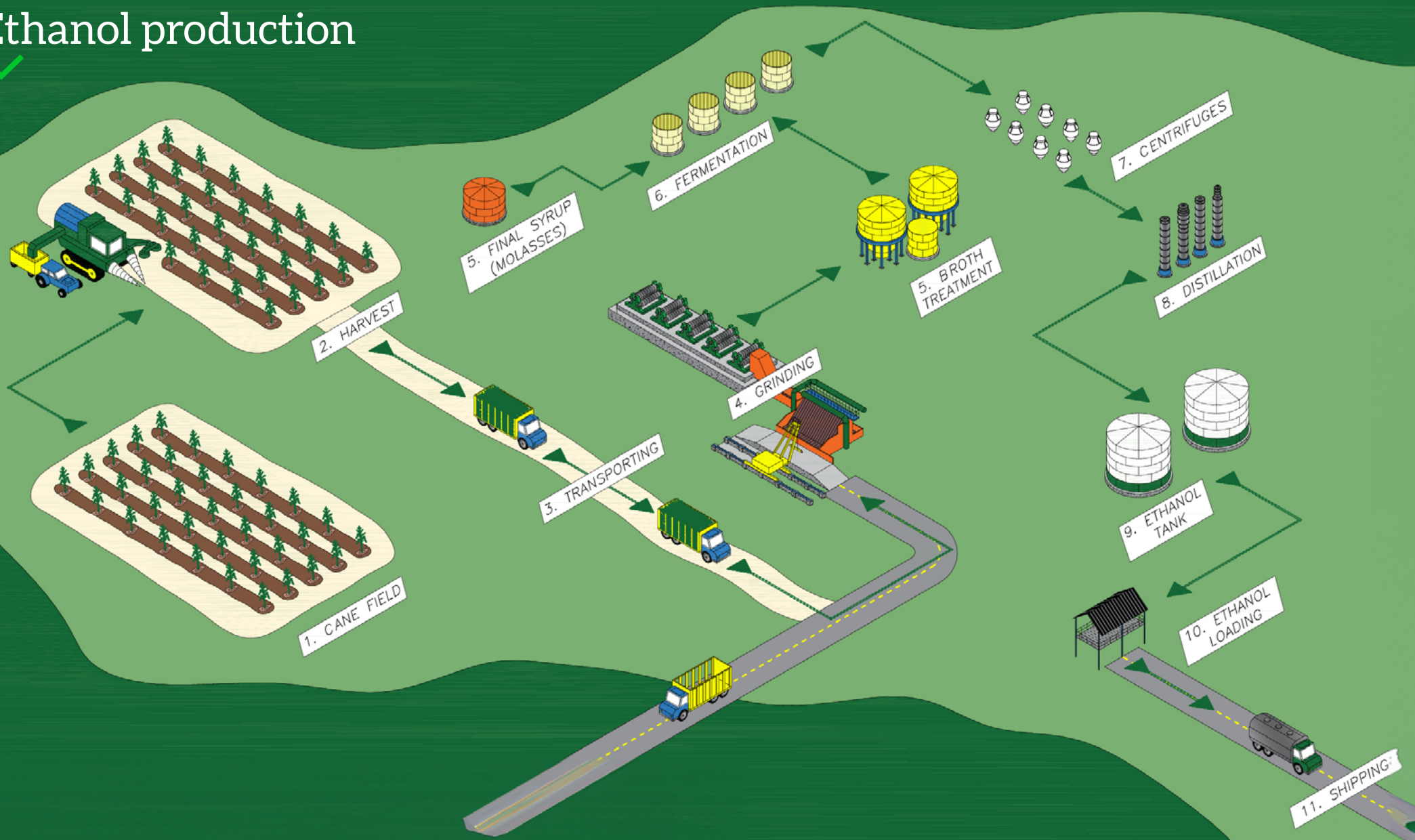
CBIOs - Anhydrous Ethanol			
Parameters	2021/2022 Harvest	2022/2023 Harvest	
		Billed to 4/30/2023	CBIOs to bill
Production of anhydrous ethanol (L)	21,002,249	35,686,145	3,456,877
CBIOs (tCO <sub>2</sub> eq)	20,885	35,488	3,446
Total CBIOs (tCO <sub>2</sub> eq)	20,885	38,933	

Factor for CBIO emission (tCO<sub>2</sub>eq/L): 0.0009944356





# Ethanol production



# Energy



In 2002, the Central Energética Jitituba began producing energy in an experimental phase. As of September 2007, it began to produce and sell energy on a large scale. In November 2007, it was authorized by the National Electric Energy Agency (ANEEL) to operate as a thermoelectric plant.

Because it generates energy from biomass, it is considered a clean, renewable, and therefore sustainable energy, as well as solving another

environmental problem: the disposal of a large volume of waste derived from the industrial production process. The generation of this type of energy avoids expenses with the purchase of the resource, costs with the disposal of organic waste, generates revenue from the surplus. It also avoids pollution, as it emits fewer greenhouse gases compared to the use of fossil fuels.

In the face of crises and fluctuations in the sector, the energy produced is

an important supply alternative for the national energy matrix. Companies in the sugar-energy market are currently important developers of clean technology due to the production of ethanol and electricity.

The Group's own consumption does not match its production capacity, so the surplus is exported. Some 15 municipalities benefit from the electricity generated from sugarcane biomass at the unit.

The energy is produced by burning sugarcane bagasse. The bagasse from the mill is transported to the boilers, where it is burned to generate steam. Part of the steam generated is sent to the production processes and another portion to the turbogenerators, which produce enough electricity to supply



all the electrical needs of the Santo Antônio Group's operations, with a surplus remaining.

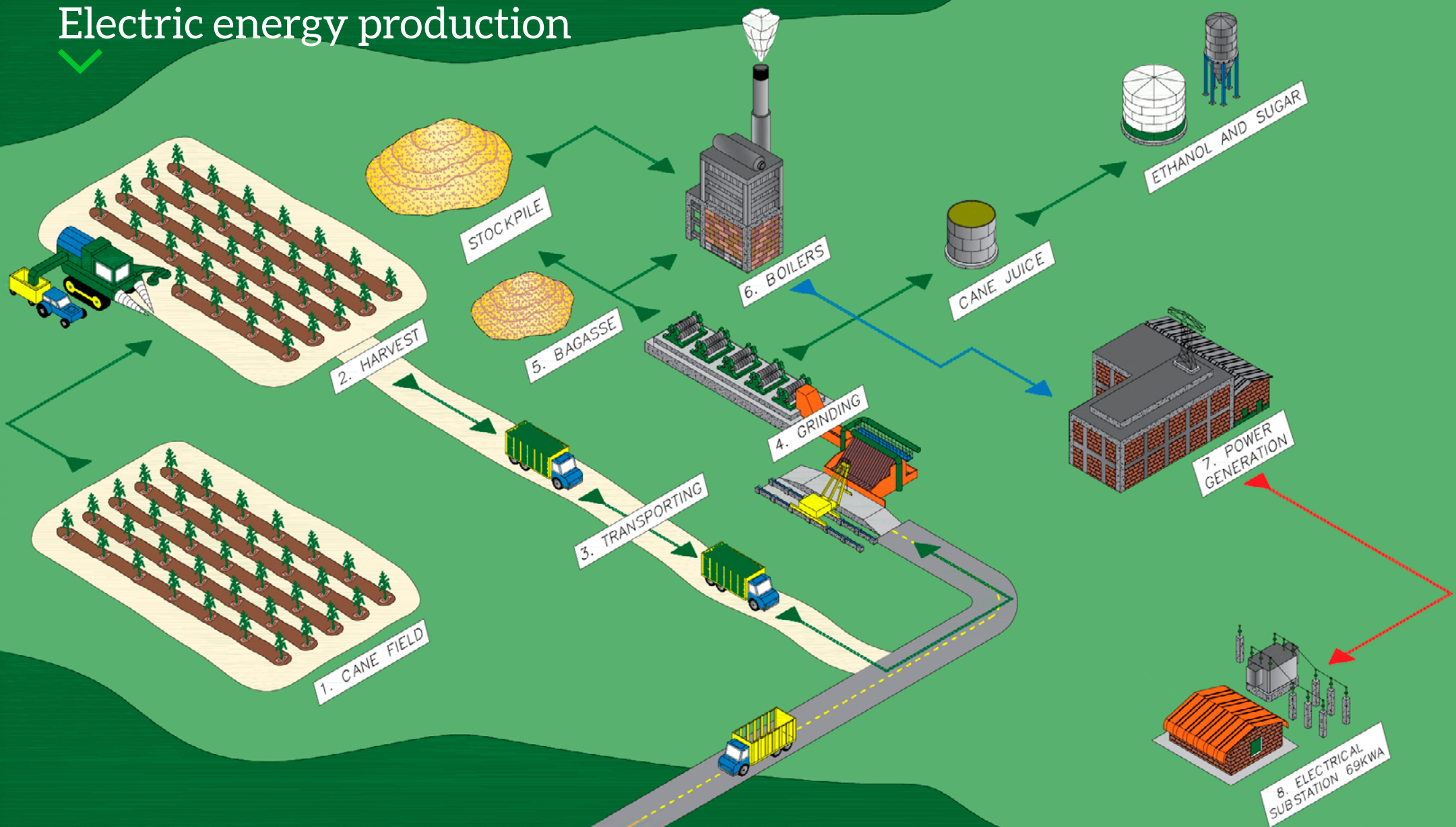
With the input (bagasse), the company achieves its energy self-sufficiency, and the surplus production is exported and sold to ELETROBRÁS, as regulated by ANEEL.

**We have the installed capacity to export up to 50,000 MW/year, enough to supply approximately 80,000 inhabitants**





# Electric energy production



# Responsible Agricultural Production



For the Santo Antônio Group, implementing good agricultural production practices entails developing the best social responsibility practices, preserving product quality, and minimizing waste while reducing environmental impacts.

In this regard, there is also a lot of focus on processes to map failures, lack of control, or insufficient monitoring, as well as on the reuse of waste or industrial byproducts. Such initiatives seek to mitigate potential negative impacts and/or maximize opportunities that could yield greater profitability or improvements.

The initial phase of all Central Açucareira Santo Antônio S.A.'s processes occurs in the fields, with sugarcane cultivation. The company's premise is to adopt and guide its employees and supplier network in the use of Responsible Agricultural Practices, ensuring safe and sustainable production.

Stages of the agricultural production:



**Soil preparation and correction**



**Planting**



**Fertilization**



**Fertirrigation**



**Pest, disease and weed control**



During this report's production cycle, the organization developed its Sustainability Policy. The document is a formal commitment, accepted and approved by the full management and the areas responsible, through which the entire company commits to improving its performance, seeking innovations for its processes, monitoring the proposed developments and periodically reporting on the results achieved. Many of the document's expectations revolve around the development of increasingly sustainable and regenerative agriculture in the pursuit of production that strikes a balance between productivity, soil health and the preservation of local biodiversity.





# Commitments

of the Sustainability Policy, published in 2023:



Focus on **continuous improvement** and the efficient use of resources



Monitor and invest in **innovation**



Increase the **reutilization** of by-products



Increase the use of **macro and microorganisms**



Expand the scope of **Risk Management**



Promotion of the **Health and Safety** and Corporate cultures



Invest more in **training and capacities**



Increase **dialogue and engagement** with stakeholders



Promote, through support actions, the **sustainable development of communities**



Publish, annually, the **Sustainability Report**



In addition to the corporate commitment, there is a complete network of guidelines regarding best practices in the field and the treatment of potentially hazardous or polluting waste. The company is constantly investing in research and has been gradually transitioning to the use of less aggressive biological products. There is a special concern for its employees, ensuring their well-being and safety, and monitoring the use of protective equipment so that they can perform their duties safely.

Central Açucareira Santo Antônio S.A.'s practice is to renew its sugarcane plantations by an average of 12-15% every year. To increase productivity, the

methodology used allows for vertical expansion, a fully integrated method that does not necessitate expanding cultivation into new areas. Currently, 100% of its production is deforestation-free on its own and leased lands, with control secured through the use of georeferencing tools.

To ensure and prevent invasions or irregular conversions of conservation areas, the company has a private surveillance team and collaborates with the Environmental Battalion and the Environment Institute, the state of Alagoas' environmental agency. Since 2008, there has been no expansion of cultivated areas or conversion of

natural ecosystems; on the contrary, numerous efforts have been made to protect them. Learn more in [Preservation Areas](#).

**Central Açucareira Santo Antônio S.A.'s practice is to renew its cane fields by an average of 12-15%, annually**





# Precision Agriculture



Central Açucareira Santo Antônio S.A.'s soil management plan is based on two systems: the first, used during the rainy season, consists of minimal soil preparation and control through herbicides. This technique uses the harvested and discarded sugarcane itself as a cover plant, protecting the soil from the impacts of raindrops, surface runoff and wind erosion losses. Preparing the soil for new planting avoids disturbing the surface layers, inhibiting the breakdown of particles and losses to erosion.

The second system is conventional planting, which involves turning over the soil's surface layers with machinery and agricultural implements to prepare

it for new planting. This system is used in periods of low rainfall and requires irrigation. Regardless, the two management models employed do not pose any threat to soil health.

To reduce the impact of rising input costs on harvest results, management must be highly efficient in its processes, utilizing these agricultural products correctly and precisely. The Santo Antônio Group employs sprinkler irrigation, defined on a per-hectare basis, and also uses its processing by-products, such as filter cake and vinasse.

These materials are enriched with macro- and micro-nutrients and

bio-inputs and applied in a single operation. All other treatment complements are recommended based on soil analysis and the extraction of nutrients from the crop in the previous cycle.

The applications of any type of herbicides, insecticides and fungicides strictly follow the recommendations of the prescription as specified by the manufacturers. The applicator equipment is rigged with flow controllers and GPS to avoid overlap and waste and thus increase accuracy in agricultural operations.

The Santo Antônio Group uses mineral and organic fertilizers (vinasse and

filter cake), which are important to recover the physical properties of the soil, stimulate plant defense mechanisms, correct the pH of the soil and the availability of some nutrients, increase the microbial population, raise the water retention power and improve the soil's physical structure.

It is necessary to emphasize that supplemental agricultural inputs are also relevant, as they enhance productivity, improve the final quality of products and combat pests and diseases. All applications follow good practices for precision agriculture and aim at the rational use of water, organic materials and inputs to help preserve energy.



## Pest Control



In addition to being concerned with the precise use of inputs, the company bases its pest control management on Integrated Pest Management (IPM) principles, wherein the use of control tactics takes into account cost and benefit as well as the interest and impact on producers, society, and the environment. In order to achieve this objective, the company has increased its investments in the development

and use of control agents and biological products that significantly reduce the environmental impact of synthetic chemicals.

All management actions aimed at pest and disease control are monitored through indicators. These include targets that include minimizing attacks and maintaining the pest population below the

level of economic damage. The anticipation of preventive operations complements this scheme with monitoring, the use of resistant varieties and products with a short residual effect. The team undergoes extensive instruction to become aware of and comprehend the evolution of mechanisms in the field, and they are continuously trained in best practices.

The Mill also employs an on farm multiplication process through a biofactory for microbiological control agents (entomopathogenic bacteria and fungi, for example).

Assisted reproduction of vectors that attack crop pests is a sustainable, renewable and natural method of rebalancing biodiversity in the fields.

**The biological control laboratory at the Santo Antônio mill was the subject of an article in the Gazeta Rural newspaper. The report followed a visit by students from IFAL (Federal Institute of Alagoas) who were interested in learning about this type of laboratory. It presented the mass production of natural enemies of the sugarcane borer, *Cotesia flavipes* and *Tetrastichus howardi*, for the purpose of biological control of *Diatraea impersonatella***

Here's the full report





# Financial Performance



The sugar-energy production sector has faced many challenging moments in recent years. In addition to weather variations, swings in foreign markets combined with pressure from the exchange rate have had a major impact on our business. Added to these factors, the escalation of input prices, responsible for the large increase in production costs in the sector, results in lower margins for our businesses.

Since the Economic Performance of the Business is one of the material topics prioritized in the 2022 materiality study, the Governance area monitors the matter even more closely than it would otherwise. Senior management is resolute in its dedication to solid economic performance and profitable, sustainable business growth, a responsibility that it has also agreed to with its investors.

The purpose of all investment initiatives and the formalization of guiding principles through the Corporate Policies is to demonstrate the dedication of the organization's full team to evolve, seek continuous improvement and align with the best market practices. The company systematically analyzes risks and opportunities, along with their effects on business and society, through its Risk Management area. To learn more about this topic, go to: [Risk Management and Compliance](#).

It was through these analyses that the Santo Antônio Mill identified a niche market opportunity that it could exploit. As a consequence, its Distillery was expanded, allowing for an increase in the production capacity of anhydrous ethanol and hydrated ethanol, one of the great achievements of 2022.

## Amounts per Harvest

Consolidated Amounts (R\$ thousand)*	2020/2021	2021/2022	2022/2023
<b>Total assets</b>	938,781	1,035,824	1,074,487
<b>Net debt</b>	315,169	344,779	433,041
<b>Net debt / EBITDA</b>	1.37	2.36	1.91
<b>Investment (cash flow)</b>	107,932	67,971	112,420
<b>Shareholders' equity</b>	158,946	248,726	254,077
<b>Net revenue</b>	566,828	582,071	752,500
<b>Consolidated net income (loss)</b>	89,148	32,106	32,266
<b>Operating cash generation (EBITDA)</b>	230,463	146,287	226,923
<b>EBITDA Margin</b>	41%	25%	30%

\*Amounts taken from Audited Financial Statements

The company does not release a public financial report, only sharing the consolidated results with some strategic stakeholders. The financial statements have been audited by HLB Audilink Consulting. Our financial statements are audited annually, both for the 12 months of the year ending December 31 and for the harvest cycle, corresponding to the 12 months ending March 31.



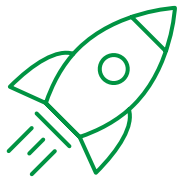




# Governance

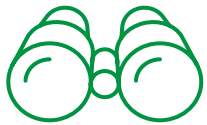


# Corporate Culture



## Mission

To produce sugar, ethanol and bioenergy through sugarcane, with efficiency, quality and socio-environmental responsibility.



## Vision

To be a competitive and profitable company worldwide in the production and commercialization of sugarcane by-products.

## Values



Ethics



Transparency



Partnership with the suppliers



Respect for the environment and human rights



Focus on occupational health and safety



Sustainable development





# Strategy

Governance is a prioritized topic in the company's corporate materiality process, and as such, it is critical for sustainability and business strategy. The company's Strategic Plan takes into account financial aspects, company and client expectations, internal processes and business growth.

Their potential effects are being tracked, and there is an ongoing commitment to improving the positive effects while eliminating or mitigating the negative ones. Risk analysis and management processes serve as the foundation for decision-making, ensuring that the company's economic performance is not jeopardized.

The entirety of Strategic Direction and Risk Management has been structured in accordance with these policies: the Food Quality and Safety Policy and the Sustainability Policy, both of which take into account the needs of the clients and our corporate culture. Accordingly, the Management Board is faithfully committed to stakeholder outreach, control, and defense based on these guidelines.

Today, the firm recognizes that investments in Food Quality and Safety offer a key competitive advantage and make it possible to access worldwide markets, demonstrating its competitiveness among the sector's large enterprises.







# Board and Management



The Santo Antônio Mill originated as a family enterprise. The third generation now runs the business. The Management Board is composed of five Directors, each representing a genealogical branch of its founder. The company does not have a President; all decisions are taken jointly by this collegiate group.

The board is responsible for business strategy. All stakeholder demands and environmental, social or financial risks and impacts are jointly addressed and deliberated. The specific areas are assembled from a team of professional specialists who operate and report to their own executive boards. External consultants are also hired for specific support or project development.

Management Board Member	Specialty
<b>José Carlos Maranhão</b>	Mechanical Engineer, with more than 60 years of experience in the sector.
<b>Ernesto Gomes Maranhão Neto</b>	Economist, with more than 30 years of experience in the sector.
<b>Cristina Maranhão</b>	Industrial Chemistry, with 10 years of experience in the sector.
<b>Geni Maranhão</b>	Represented by children Carlos Ernesto, Suzana, Marco and Gustavo Maranhão.
<b>Carolina Maranhão Arruda</b>	Agronomist, with 10 years of experience in the sector.



# Risk Management and Compliance



Risk Management is another material topic prioritized in the definition process conducted in 2022. Aware of the need to comprehend and map the risks inherent to its line of work, the company developed its own process to accommodate this dynamic.

Upon implementation of Risk Management, we gain a broader understanding of the company, its customers and the market. This is directly reflected in the investment initiatives approved in recent years, which have delivered improvements for employees, processes and infrastructure.

## Risk Analysis Results:



**Human Capital:** update of the employee training and professional development plans.



**Information Capital:** plan for structuring and technological evolution of the company's information system.



**Organizational Capital:** continuous improvement plan.

The company has a Risk Committee for risk analysis and management, made up of Board members, strategic positions and representatives from an external consulting firm. The Committee seeks to systematically analyze internal and external factors and monitor the results calculated in the Risk Matrix in addition to participating in the pricing of the company's products.

There is no specific corporate policy on conflicts of interest, but it is agreed between the Board members to prevent business between companies owned by a family member and the Santo Antônio Group's mills. During the reporting period, there were no reports of complaints or actions due to conflicts of interest, corruption, unfair competition, trust formation or monopoly practices.

Central Açucareira Santo Antônio S.A.'s risk management processes are assessed annually by independent third-party bodies during external audits for certification purposes.





# Quality and Certifications



Central Açucareira Santo Antônio S.A. recognizes the importance of maintaining high quality standards and guaranteeing them through its certifications, thus delivering safe food products for human consumption. As a result, it established, implemented, maintains and continuously improves the Food Quality and Safety Management System (SGQSA). This internal system incorporates all processes pursuant to ISO 9001:2015, FSSC 22000 (ISO 22000:2018, ISO/TS 220002-1:2012), Bonsucro Production Standard and Bonsucro Mass Balance and Chain of Custody Standard, in addition to RenovaBio Certification requirements. To meet these different standards, the company maintains documented procedures that guide and ensure food quality and safety standards.

To assure the quality of its products and processes, it is necessary that suppliers deliver the raw materials with the desired quality. Thus, the company also instituted a series of procedures and processes to manage its supply chain.





# Quality

The Santo Antônio Group's Quality System is made up of various subsystems that guarantee the technical analysis and traceability of its products.

## SisQuali (Quality System)

It is part of the Food Quality and Safety System (SGQSA) and partakes in the supplier's analysis and approval stage.

## SisLab System (Laboratory System)

Computerized system, specially designed for controlling the entire operation of the Laboratories of Central Açucareira Santo Antônio S.A., from the processing of the raw material to the final product, as well as for the creation and identification of production batches and issuance of Quality Certificates.

## Sistema LabTools Supplies

A control system that aids in ensuring that the supplies used are compliant with the process requirements, thereby ensuring their agility and quality.

## Pyramid System (Supply Chain Management)

Computerized ERP (Enterprise Resource Planning) system, which integrates the processes of the organization's various areas, such as: Accounting, Financial, Supplies, Production, Commercial, Logistics and HR, thus facilitating the flow of information between them.

## GATEC System (Management System for Transportation Logistics)

Registration management system, with traceability and control information for all sugarcane inputs.

## Comlink System (Solutions and Technology for the Supply Chain)

Platform used for quotations with different approved suppliers, who carry the same product, input and/or material, in a fair and transparent manner. There are cases of suppliers who do not enter via the Comlink System, due to the commercial



and contractual relationships already established and because they have previously been carefully evaluated and selected.

## Milling Bulletin System

Platform developed in-house by the Information Technology Sector to produce production records for all products and control of outputs and inventories.





# Certifications



One way to standardize production quality is through renowned certifications reflecting audits, which assure the effectiveness and safety of the established processes.



## ISO 9001 Certification (Quality Management System)

All products, sugar and ethanol, are ISO 9001 certified. It promotes the constant search for continuous improvement, in addition to ensuring the quality of processes and products. Its oversight is annual through a third-party audit, recognized by the International ISO 9001 Certification Body.



## FSSC 22000 (Food Safety System Certification)

It includes these certifications: ISO 22000: Food Safety Management Certification, ISO/TS 22002-1: Prerequisite Programs to Control Risks in Food Product Manufacturing Processes and Additional Requirements. All sugar produced, raw sugar and crystal sugar is FSSC 22000 certified. This internationally recognized certification aims to monitor and guarantee the production and distribution of food that is safe and of high quality, as verified through annual compliance audits.





**Bonsucro Certification**  
 (Production Standard and Chain of Custody Standard)

All composed products, sugar and ethanol, are certified by the Bonsucro process. This certification is designed to demonstrate the company's commitment to environmental and social sustainability in the sugarcane production chain. The company is audited annually to verify compliance of its processes and products (field and industry) in order to serve the entire supply chain in which it operates.



**RenovaBio Certification**

With the exception of extra neutral ethanol, the other types of ethanol, hydrated and anhydrous, have this certification. Instituted by the National Biofuels Policy's Law No. 13.576/2017, its objectives are to promote the Brazilian contribution to the Paris Agreement, expand the production of biofuels in the country's energy matrix and boost the market for clean fuels, providing positive reinforcement for improved fuel sector energy efficiencies and reduction of its greenhouse gas emissions.

It is important to note that in the last two years, none of the independent certifiers responsible for assessing the performance of the operating units against the criteria of each standard have pointed out

any significant flaws in their certification processes that could lead to non-compliance and compromise the company's continuous improvement process. These evaluations reinforce the Group's commitment to consolidating its socio-environmental, financial and governance progress in order to guarantee its business sustainability.

In its entire history of food production, Central Açucareira Santo Antônio S.A. has never recorded a non-conformity with the potential to compromise the health or safety of its consumers. Neither has the company ever been required to recall any of its products due to any kind of issue.





# The Santo Antônio Mill placed 2<sup>nd</sup> globally in continuous improvement, according to Bonsucro's ranking

The Santo Antônio Mill was classified as the second best company globally in the Bonsucro 2022 Continuous Improvement ranking.

The ranking is composed of 81 members and evaluates companies with best practices, based on continuous improvement. The company's performance was recognized for its contribution to Bonsucro's strategic objectives: improving the environmental impact of sugarcane production, strengthening human rights and decent work in cultivation and milling, and creating value for the entire production chain.



"I share this achievement with the entire company and with our team of more than 7,000 employees, who, together, make all the difference."

**José Carlos Maranhão,**  
Director of the Santo Antônio Mill





# Traceability



Internal procedures ensure the traceability of any item produced in the company. In the event of a case where irregularities in quality or safety issues are identified, it is possible to identify the treatments and products used in the field to develop the sugarcane used in the manufacture of a given product. Upon arrival at the mills, suppliers' raw materials are analyzed and recorded, creating a traceable record of the input in the internal systems. Finished and packaged products, whether in big bags or 1kg packages, receives seals or printed packaging information that indicates the batch number, the date and the quantity produced. The information that guarantees the traceability of bulk products is provided on the invoice or by the tank identification, in the case of ethanol.

The Santo Antônio Group's Traceability Program is tested annually through the Traceability Simulation and recall. The entire Program and the established flows regularly undergo internal and external audits.

In light of the fact that a portion of the Santo Antônio Mill's output is earmarked for the food industry, it is essential to comprehend the volume of products that could be used as food at this facility. All processed sugarcane becomes sugar or ethanol. Among the varieties of ethanol produced, extra neutral can be used to manufacture edible products. In order to calculate the total volume of production for this purpose, the volume of sugar must be added to the extra neutral alcohol.

ISO 9001  
**Quality:**  
 100% sugar  
 and ethanol

FSSC 22000  
**Food Safety:**  
 100% sugar

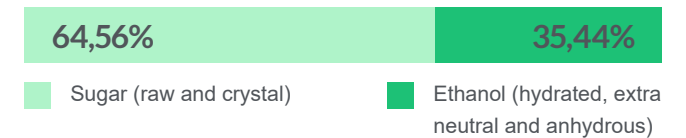
Renovabio  
**Biofuels: 100%**  
 hydrated and  
 anhydrous ethanol

Bonsucro  
**Sugarcane Sustainability  
 Standard: 100% sugar  
 and ethanol**

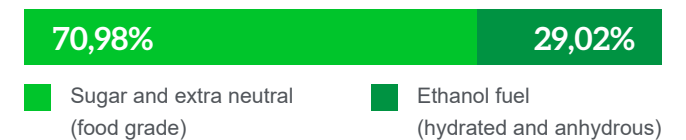
Categorization of food products  
 Santo Antônio Mill:

## Sugar and Ethanol Mix

### Before Categorization



### After Categorization



At the Camaragibe Mill, all milling operations are designed for the production of sugar, thus, 100% of what is produced in this unit is categorized as a food product.





A man wearing a green hard hat with a logo, safety glasses, and a green long-sleeved work jacket with reflective stripes is operating a control panel in an industrial facility. He is holding a walkie-talkie in his left hand and adjusting a knob on the panel with his right hand. The background shows industrial equipment, pipes, and a metal railing.

# Personnel Management



# Human Resources



The Human Resources area plays a strategic role in the Santo Antônio Group, as the companies have a universe of approximately 7,000 direct jobs and approximately 35,000 indirect jobs. Hirings by Central Açucareira Santo Antônio S.A. have an impact on the economies of more than ten municipalities in the northern region of the state of Alagoas.

The area is undergoing restructuring, with procedures for each process being written in order to standardize the steps under its jurisdiction: attraction,

hiring, dismissal, and evaluations.

The training procedure determines the guidelines that need to be followed with respect to the execution of the required activities and records.

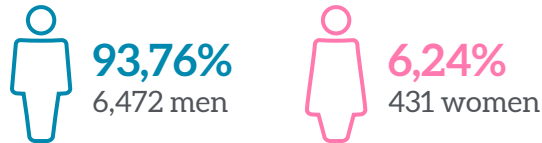
We run an integration program for all employees with the goal of increasing engagement in the company's current practices. This program covers topics like business philosophy, occupational health and safety, rights and responsibilities, quality management, the environment, and operational procedures for carrying out their duties.





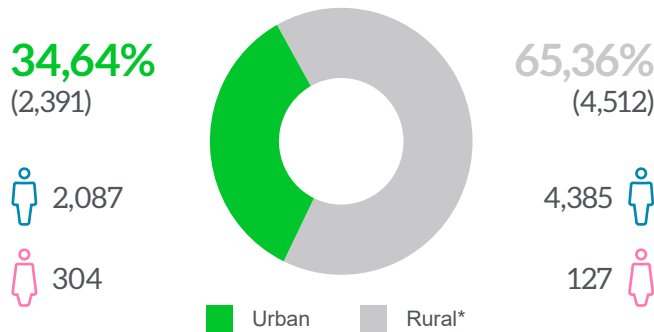
# Employees by Diversity Categories

## Gender



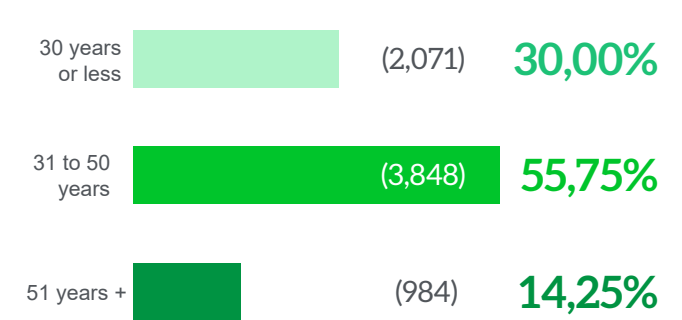
Women occupy prominent positions in the organization, leading departments related to Controllershship (Financial, Accounting, Costs), Industry, Environment and Human Resources, among others.

## Urban vs. Rural



\*Employees with functions related to the field, such as harvesting and planting

## Age Bracket

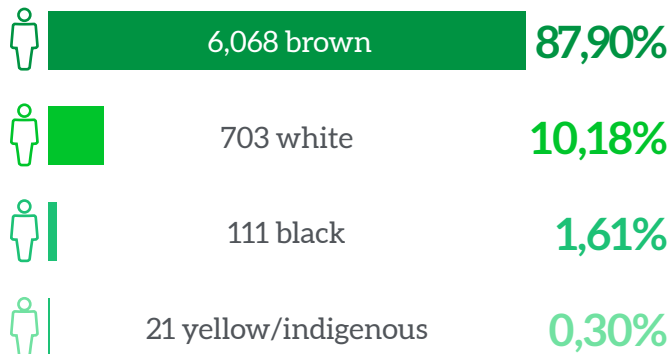


## By Gender and Region

Region	Men	Women
São Luís do Quitunde	2,757	240
Camaragibe Headquarters	1,455	78
Passo de Camaragibe	600	37
Barra de Santo Antônio	297	18
Other Locations (average of 95 cities)	1,363	58

\*Apprentices were not counted

## Ethnic-racial characteristics



The salaries offered to workers start at 10% higher than the Brazilian salary floor, always respecting collective agreements and conventions. All employees have their rights guaranteed and secured through collective representation via the Alagoas Sugar Industry Workers' Union and the Rural Workers' Union. Outsourced workers who do not have an official relationship with the representative institutions receive the same benefits as union members.





# Training



Reinforcing the idea that human resources are strategic for business, training and appreciation of people appear as a priority theme in the process of defining the company's material topics. Central Açucareira Santo Antônio S.A. believes that this investment has a decisive impact on improving the organizational environment.

Training is conducted on the basis of a survey of each area's requirements. It also arises from demands for mandatory training to comply with legislation, as well as due to changes in processes, innovations or incidents of non-compliance detected in the company. The corporate Standard Operating Procedure determines the steps and flow of actions to organize

courses and training sessions, whether internal or through specific contracts, and also provides for the evaluation of results after closure.

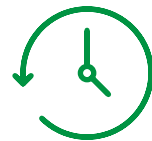
Training is also a way for the company to manage the risks of accidents with its employees. The Santo Antônio Group responds quickly to accidents

by conducting an investigation to determine their likely causes. Meetings for training and orientation with leaders and employees are essential and useful preventive action tools.

As a way of respecting its talents, the company always prefers internal promotions when a hiring opportunity

is open, thus contributing to the evolution and development of each professional's career plan. Actions to manage the topic seek to align the expectations of managers and leaders in addition to mapping in-house talent.

Failure to pay attention to these issues can have serious consequences for the organization, ranging from occupational accidents, due to incapacity or lack of knowledge, to resignations due to dissatisfaction with the workplace environment. In a situation where it is difficult to recruit personnel, it is prudent for businesses to invest in initiatives that encourage the attraction and retention of talent within their teams.



**128,582 hs**  
**of training and qualification**  
**offered to employees**





## Workers Assistance Fund



For more than ten years, the company has opted to refer some employees to the FAT (Workers' Support Fund), thus avoiding the layoff of these professionals. At the end of the harvest, the contracts of these professionals are suspended, but they receive a salary bonus and attend training courses through the Professional Qualification Scholarship program. The training is offered by SENAR (National Rural Learning Service) in Agricultural Mechanization, Interpersonal Relationships, Sugarcane Growing, Fire Fighting, Environmental Education. Furthermore, an outsourced company offers a Maintenance Driver course as an additional opportunity. At the end of this period, the worker's contract is reactivated and he or she returns to the agreed employment activity.



# Operator Training School



The Operator Training School was established by the Santo Antônio Group in order to provide its employees with the option for growth, as well as to satisfy the interest of some field workers in the positions of tractor driver and agricultural machinery operator. Some 54% of the participants in the two classes were promoted to the positions of tractor driver and loader operator through an internal selection process that included registration, a psychotechnical assessment, and theoretical and practical training. The remaining 48% were placed on a reserve list.

**Twenty-five sugarcane cutters, trained by the company, were promoted to tractor drivers and loader operators**







# Safety



The program that structures the guidelines and actions of the Group's Safety team follows the Ministry of Labor's regulatory standards.

The definition of risk to the employee is based on the PGR (Risk Management Program) and PGRTR (Rural Work Risk Management Program), as well as the LIPT (Unhealthy and Hazardous Work Reports).

Accidents are investigated by the SESMT (Specialized Services in Safety Engineering and Occupational Medicine), whose specialists gather pertinent information with a focus on the accident's cause in an effort to eliminate the risk of future unsafe conditions. An Occurrence Analysis Committee was

created in 2022 to bolster the process, determine the origin of the risk and implement preventive responses and corrective measures.

The Security team routinely organizes courses, training sessions, and meetings for this purpose in order to provide guidance and access to information and raise awareness among the teams.

In 2022, the mills' medical services, health and safety personnel, milling inspectors, and industrial inspectors participated in first-aid training refresher courses. The program prepared 25 employees for emergency situations until the arrival of medical personnel.



During the reporting cycle, training in the use and conservation of PPE as well as fire prevention were developed in addition to this initiative. The plan is for this effort to reach 100% of permanent employees. However, the initial stage will focus on compliance with the law, which requires a minimum of 10% of all outsourced workers to be trained. The SESMT team consists of two safety engineers and 11 occupational safety technicians

who are tasked with inspecting the environments and inherent risks of the activities.

This team is also responsible for promoting DRS (Regular Safety Dialogues) in the field, in addition to training, mandatory orientation and integration, with the participation of the CIPATR (Internal Commission for the Prevention of Accidents in Rural Work) and CIPA (Internal Commission

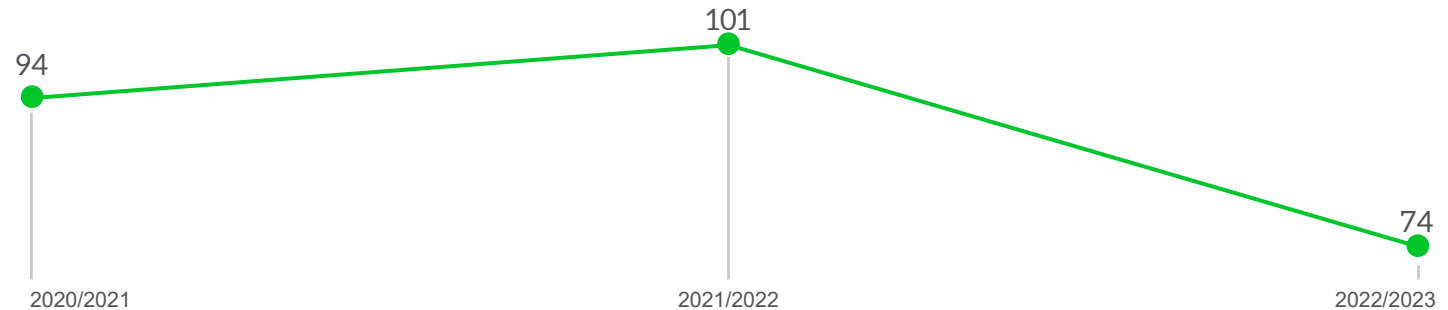
for the Prevention of Accidents and Harassment). They promote awareness campaigns with employees to pay attention to the correct use of protective and work equipment, as well as the prevention of occupational illnesses and accidents.

Outsourced service providers must submit all legal documentation pertaining to the services performed and undergo structured integrations in

order to receive authorization for access. SIPAT, the 2022 Internal Accident Prevention Week, enabled and reinforced safety awareness through a theater piece. This entertaining method was complemented with lectures that addressed situations involving safety in fire situations, health, and first-aid, and represented an innovative way to approach the importance of financial health.

**The Santo Antônio Group has 121 brigade and six civil firefighters**

**Number of workplace accidents that must be reported**





# Health

The medical team at the Santo Antônio Mill is made up of a multidisciplinary group of three Occupational Physicians, an Occupational Nurse, four Occupational Nursing Technicians, a Speech Therapist, an Ambulance Driver and a Sector Administrator. The Health Clinic operates from Monday to Saturday, offering medical assistance to employees and providing occupational examinations and routines. In the industrial unit, a nurse, an ambulance and a vehicle are available for any emergency situation.

The station is located at the Santo Antônio Mill, but the team is shared, also providing assistance to the Camaragibe Mill's staff. Admission and periodic medical exams are conducted,

as are occupational risk change check-ups, return to work and dismissal evaluations along with care in cases of workplace accidents. The company bears the costs of care, exams and medicines for any type of occupational disease or occupational accident. In the case of elective assistance, the company offers the service free of charge to all employees. Within the Santo Antônio Mill is a pharmacy that offers installment payment plans and payroll-deductible purchases.

Due to the emergence of the pandemic, vaccinations and a series of actions to raise awareness about the significance of hygiene, health, flu symptoms, and Covid were also made available.



# Young Apprentices



In partnership with Senai (National Industrial Apprenticeship Service) and Senar (National Rural Apprenticeship Service Central Açucareira Santo Antônio S.A.) annually promotes the Young Apprentices hiring cycle. The organization is responsible for training, while the company offers practical work experience. Registrations, online, are initiated based on previous evaluations in Portuguese and mathematics.

The second stage includes a psychological evaluation and interview so that those approved can be oriented regarding the admission processes. All new recruits undergo two integration processes: one centered on corporate guidelines and the other on Safety, tailored to the activity area to which they are assigned. This is a moment

that makes it possible to share the experiences of employees who joined the company through this channel, reported personally by former apprentices themselves.

**In the last three years, 41 Young Apprentices have been hired for the Group's companies.**



## Selective process

2022

**292** → **59**  
enrolled                      selected

2023

**60** → **34**  
enrolled                      selected

**Openings for:** Administrative Assistant, Agricultural Mechanic, Automobile Electrician, Electromechanic and Warehouse worker





A photograph of a hummingbird hovering in flight near a body of water. The bird is positioned in the lower right quadrant, facing left. Its wings are spread, and its long beak is pointed forward. The background is a blurred expanse of water. In the foreground, large, vibrant green leaves of a plant, possibly a banana tree, frame the top and left sides of the image. The word "Environment" is overlaid in the center in a white, serif font.

# Environment



# Waste



Central Açucareira Santo Antônio S.A. manages the waste generated according to the guidelines of its own Waste Management Plan, ensuring compliance with all stages: generation, temporary storage, transportation and disposal of rural and industrial solid waste. All of the procedures and guidelines outlined in this plan have been approved by the appropriate environmental agencies.

## Waste Management Steps:



### 1. Packaging

all waste must be safely and properly identified as to its nature, classification, volume, origin and other premises;



### 2. Transportation

only performed with prior knowledge of the risks and handling characteristics;



### 3. Temporary Storage

the waste is disposed of in appropriate locations;



### 4. Final Disposition and Control

carried out by a third-party company, duly accredited, must comply with the relevant legislation.

All waste generated, whether Class I (hazardous waste) or Class II (recyclable waste), is properly segregated and stored in the Temporary Storage Shed.

The general service team is responsible for sending and organizing these wastes correctly to the Warehouse, for later disposal. For this management strategy to be truly effective, it is necessary to educate all employees so that they can be properly segregated at the source.

Each sector is responsible for properly discarding and sorting the various materials that will be placed in the existing collection bins. The cafeterias have specifically identified containers that enable the separation of organic, recyclable and non-recyclable waste. A specialized company receives and recycles kitchen oils.





Hazardous waste is transported directly to the temporary Class I waste shed, where it is properly stored. Subsequently, they are collected, transported and forwarded to companies accredited by the environmental agency and that ensures the correct disposal. Special attention is given to the packaging of agrochemicals from agricultural production. All empty packaging undergoes the triple washing process before being sorted, quantified and sent to specific companies.

Central Açucareira Santo Antônio S.A. is singularly committed to the proper disposal of the waste generated in its processes and, whenever possible, pursues new possibilities for its reuse or recycling. To this end, destinations that facilitate these alternatives have already been mapped out for the following materials: scrap iron, steel, stainless steel, aluminum, paper, cardboard, plastics, among others.

The company installed an oil and water separation system. It is a process that makes it possible to segregate, reutilize and dispose of some types of waste, when possible, such as:



### Water

Reuse in cleaning systems.



### Lubricant oil

For collection and processing by an accredited company.



### Other oily waste

Sent to a licensed hazardous waste landfill or a company with a licensed treatment system.



**In addition to industrial waste, some agricultural leftovers are reused and feed back into the company's production processes.**

## Sugarcane bagasse

The bagasse that emerges from the mills, with very little sugar and an average humidity of 50%, is transported to the boilers, where it is burned to generate steam. Burning bagasse in boilers is intended to make the industry self-sufficient in steam production, which is needed to power machinery, generate electricity and other industrial processes. In short, it can be said that it serves as fuel for the entire production process, since every industrial subsystem demands thermal, mechanical and electrical energy, all of which comes from this bagasse. In addition to ensuring energy self-sufficiency, its surplus is exported to the utility company, generating revenue and the remaining bagasse is sold to other industries.

To find out more about energy production by burning bagasse, go to: [Energia](#).

## Vinasse

It is a liquid derived from the industrial processes that turns sugarcane into alcohol. This waste is a chemical compound made up of water, organic matter and minerals, mostly rich in potassium. The vinasse is used for fertirrigation. In addition to reusing a byproduct of ethanol production, this initiative benefits the company's bottom line by promoting crop development by irrigating sugarcane fields without using natural resources.



**615,908.94**  
metric tons of vinasse

## Filter Cake

It is the solid sugarcane waste deposited on filters during industrial processing. This totally natural cake, i.e. organic waste, is applied on the crops as fertilizer.



**28,611.66**  
metric tons of filter cake





Dangerous	Materials	Weight (t)	
		2021/22	2022/23
No	Sludge after passing through purification process	27,849.28	28,611.66
No	Sugarcane bagasse-biomass after juice extraction	691,351.07	615,908.94
No	Ash - slag from boiler furnaces	10,137.05	10,265.15
No	Plastic waste from sugar and other packaging	51.66	42.422
No	Paper or cardboard waste from sugar and other packaging	12.6	14.22
Yes	Oil filters, cleaning rags, miscellaneous waste contaminated with oil, from vehicle mechanical maintenance and equipment	15.84	14.9
Yes	Used PPE and rags, paint cans, absorption blankets, filters and other materials, contaminated by any type of chemical	28.91	33.94
No	Metal scrap	405.09	831.75
No	Unserviceable tires - rubber/steel	15.70	35.80
Yes	Used automotive oil from maintenance	15.84	21.90
Yes	Plastic agrochemical drums	33,608 units	23.67*
Yes	Agrochemical packaging	32,004 units	6.66*
No	Plastic drums	2,611 units	934 units
<b>Total</b>		<b>729,883.04</b>	<b>655,780.68</b>

\*As of the last harvest, the packages were weighed, thus being counted in tons instead of units





# Water



The Santo Antônio Plant collects surface water to be used in the crushing process from the Santo Antônio River, which belongs to the Hydrographic Basin of the North Coast of Alagoas.

The water allocated to irrigation is intended to serve the sugarcane plantations of the unit's farms, which cover an area of 6,365.32 ha. The resource is used only to meet the minimum crop demand of the crop in critical periods, the so-called salvation irrigation and, in some cases, complementary irrigation, only in specific cases, and in low amounts.

Water collected for industrial and rural processes

**8,063.01 mega liters**



Water returned after treatment

**6,652.76 mega liters**

**The industry uses about 60 to 80% of the volume authorized**

**The planted area uses about 4% to 6% of the volume**

In 2022, a large investment was made to implement a project that seeks to improve water use efficiency. Once ready, the system will allow the water from the industrial process to be reused in crop irrigation. The project has already been authorized by the local environmental agency and the first phase started in March 2022.

The reused water from the sugarcane scrubbing is mixed with vinasse, another process residue, comprising an organic and nutritious mix that will be spread over the plantation.

The effluent from the sugarcane scrubbing process passes through a Treatment Station in a closed circuit. After this process, part is returned to the plant's operation and the other part to the local water body, respecting the microbiological,

**Target: Reuse of around 1,000m<sup>3</sup>/h of effluents for the irrigation process**







physical and chemical parameters and complying with all the quality requirements established in the legislation and demanded by the competent environmental bodies. The treatment system contains 3 settling cells and 4 treatment ponds, aerobic, anaerobic and facultative, respectively.

To monitor the impact of operations on rivers, a new cycle is run every three years to reassess the Environmental Impacts.

Members of the Central Açucareira Santo Antônio S.A. team are involved in the State of Alagoas' hydrographic basin committees in addition to their concern for the water's quality once it has returned to its original course. They actively contributed to the creation of the Management Plan and other documents, kept tabs on the Plan's execution, suggested changes to the license-granting process, and supported the pricing and resource protection initiatives.

## Recovery of the Riparian Forests of the surrounding rivers and maintenance of springs

Target: **70% até 2030**





# Preservation Areas



Local ecosystems are extremely important for the ecological balance in the region. The environmental responsibility of Central Açucareira Santo Antônio S.A. is reflected in the company's commitment to promote and preserve these resources through our dedication to maintaining and increasing its preservation areas.

The Santo Antônio Group has two Private Natural Heritage Reserves (RPPNs) registered with the IMA (Alagoas Environment Institute), an Outpost of the Biosphere Reserve, the Serra d'Água Reserve and the Garabú Reserve support Center, a title granted by Unesco.

The company was also recognized with a seal of approval, "**Empresa Amiga da Mata Atlântica**" (Atlantic Forest

Friendly Company), which identifies organizations that contribute to the conservation and sustainable use of the Atlantic Forest through their own initiatives and support for the actions of the **Atlantic Forest Biosphere Reserve** (RBMA), linked to UNESCO's **MaB** (Man and the Biosphere) Program.

The actions taken through the Environmental Management of these reserves are designed to support research and projects for sustainable development as well as biodiversity conservation and environmental education. It is work that combines environmental preservation with awareness through actions that aim to provide children, young people, adults, employees, students and researchers with the opportunity to admire, research and learn to conserve

resources. In addition, in partnership with IBAMA, several actions are carried out to release wild animals in these areas, which are seized by the agency in irregular situations. To learn more about Environmental Education projects, visit: [Communities](#).

All potential environmental effects of the Group's operations on the preservation areas are routinely tracked and reported to the appropriate authorities. The transportation of sugarcane, industrial operations and working with biological agents in the field are all potential factors and are therefore controlled and monitored during the operating period, as they are seasonal

**The Group's RPPNs cover more than 365.29 hectares of fully preserved Atlantic Forest, considered one of the largest natural heritage in the region**

operations. On the other hand, there are countless positive impacts that the Group has on local biodiversity: the recovery and preservation of forest areas, riparian forests and the production of seedlings that make these actions possible.

In the Seedling Center, more than 40 species of native seedlings used in the restoration and environmental recovery of Reserves and riparian forests in the region are developed. For the next cycles, the Group will enhance its contribution to environmental recovery through the production of seedlings of endangered species, as indicated in Environmental Ministry Ordinance No. 561, of 12/15/2021.





## Production capacity of our nursery 20 thousand seedlings/year

Since 2000, approximately 800,000 seedlings have been donated and planted on some 778 hectares.

The result of all this effort guarantees environmentally sound business management and allows future generations to have access to the fauna, flora and water resources needed to preserve life in the region.

Get to know some of the endangered species that can be found in the Santo Antônio Group's preservation areas.

Species (fauna and flora)	Scientific Name	Extinction Risk Level	Place of Occurrence
Northern tiger cat	<i>Leopardus tigrinus</i>	Endangered (EN) pursuant to national criteria.	Atlantic Forest of Pernambuco and Alagoas
Dwarf porcupine	<i>Coendou speratus</i>	Vulnerable pursuant to national and international criteria.	From Alagoas to Rio de Janeiro
Seven-colored tanager	<i>Tangara fastuosa</i>	Endangered (EN) pursuant to national criteria and vulnerable according to international criteria.	Pernambuco, Alagoase and Paraíba, with some reports in Sergipe and Rio Grande do Norte
Yellow-faced siskin	<i>Sporagra yarrellii</i>	Vulnerable (VU) pursuant to national criteria.	Northeast
Red-browed Amazon parrot	<i>Amazona rhodocorytha</i>	In danger of extinction pursuant to national criteria.	From Alagoas to Rio de Janeiro
Granular leaf frog	<i>Hylomantis granulosa (VU)</i>	In danger of extinction pursuant to national criteria and vulnerable in international criteria.	Northeast/Alagoas
Little frogs	<i>Chiasmocleis alagoana</i> , <i>Crossodactylus dantei ad</i> <i>Physalaemus caete (EN)</i>	Endangered pursuant to national and international criteria.	
Hylid frog	<i>Phyllodytes gyrinaethes (CR)</i>	Critically endangered pursuant to national and international criteria.	
Snakes	<i>Amerotyphlops paucisquamus</i> , <i>Echianthera cephalomaculata (VU)</i> , <i>Atractus caete</i> , <i>Amerotyphlops amoipira</i> , <i>Bothrops muriciensis (EN)</i> .	1. In danger of extinction pursuant to national criteria and vulnerable in international criteria. 2. Endangered pursuant to national and international criteria.	



# Climate Change



As in any agricultural operation, the Santo Antônio Plant's business suffers from climate interference and, consequently, the potential influence of climate change. As one of the risks already mapped by the Risk Management area, the topic is constantly observed and monitored.

Periods of controlled drought can be beneficial to sugarcane cultivation, as they contribute to the concentration of sucrose, thus increasing the sugar content of the plant. However, when a drought is severe, it has a negative impact on the sugarcane field's production and is bad for business. High rainfall periods,

on the other hand, are typically viewed as opportunities because they typically signify an increase in productivity.

The risk of occurrence of both situations is around 30%. Rainy periods tend to compensate for the increase in costs due to high productivity. Drought

cycles, for their part, can impact up to 25% of lost productivity and revenue, as they increase irrigation costs.

In accordance with the requirements outlined in its Environmental License, the Santo Antônio Group evaluates its gaseous emissions every six months.







**MISSÃO** Produzir açúcar, etanol e bioenergia além da cana-de-açúcar, com eficiência, qualidade e responsabilidade sócio-ambiental.

**VISÃO** Ser uma empresa competitiva e lucrativa em âmbito mundial na produção e comercialização sucroenergética.

**VALORES** Ética, Transparência, Respeito ao Meio Ambiente e aos Direitos Humanos, Foco na Segurança e Saúde Ocupacional e Desenvolvimento Sustentável.

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# Social



# Stakeholder Engagement



Like any company, Central Açucareira Santo Antônio S.A. has a diverse network of stakeholders, ranging from sugarcane growers and suppliers, who support the origin of the business, to clients, who are spread around the world.

Stakeholders:



During negotiations, the relationship with each stakeholder group is managed by the team with whom they maintain daily contact. Raw material suppliers are under the management of the Sugarcane Suppliers Department. Service providers are the responsibility of the contracting area. Any supply or service relationship must be based on security. As a result, any outsourced team, regardless of the service to be provided, must go through the onboarding process, in which they are introduced to all the internal rules that need to be understood and respected.

The commercial area is responsible for maintaining healthy relationships and closing deals with clients. It is the responsibility of this sector to comprehend and communicate the needs of customers in terms of product specifications and quantities to be purchased. Clients are consulted annually by means of a Satisfaction Survey which generates data and leads to opportunities for improvement, which the company addresses by developing action plans.





Shareholders, financial entities, Trade Unions, Certifiers, Regulatory and Governmental Bodies are attended to by the specific technical areas with the assistance of the Board of Directors when necessary. Procedural demands from certifications and regulatory bodies are dealt with by the Quality or Environmental Management area, depending on the demand.

Systematic reporting of information and monitoring to financial institutions or investors is handled by the company's accounting area. Routine meetings with local Trade Unions are conducted by the Personnel Management area. However, strategic meetings involving negotiations or decision-making are always conducted by the Management Board. As agreed by all parties, reporting to regulatory bodies, certifiers and funders is periodic and systematic.

Each team's management is responsible for employee

administration in accordance under the Human Resources department's strategic coordination. All actions must always prioritize the safety and occupational health of each employee, while all official corporate communications are shared via bulletin boards, e-mail, the website and the ombudsman's office.

Through the dedication of the Personnel Management team, the communities that are home to the business units or that are impacted by them due to the creation of employment or other impacts, receive special attention. The negotiations are managed by the PD area but can be overseen and debated by the Management Board. The company invests in a number of projects that seek to boost its positive impact in these regions through actions aimed at increasing the level of education and training, generating income and promoting healthy habits.

To learn more about these initiatives, go to: [Communities](#).

Relations with all stakeholders of Central Açucareira Santo Antônio S.A. are managed, in broad lines, through the guidelines expressed in its Code of Corporate Conduct. The guide instructs the posture and conduct that the employees who represent the organization must adopt. The relationship, regardless of the stakeholder group, is always based on our corporate values and must be guided by the principles of ethics, transparency, partnership and respect for the environment and human rights.

Every year, the Santo Antônio Group organizes a large conference, called the Stakeholder Meeting. The purpose of the event is to increase interaction between the company's teams and the stakeholders in the business. It also gives the company a chance to give a general overview of the Group,

its units and its work in the social, environmental, and quality sectors. The quality agenda specifically addresses the Risk and Opportunity Assessment matrix and the actions developed internally with a focus on continuous improvement of the company's processes. For the event, representatives of the Government, religious entities, the Fire Department, Trade Unions, Associations, Schools, Sugarcane Suppliers, Social Projects supported by the Plant and Employees are invited.

The company has several communication channels that can be used by any interested party: Contact Us on the website, e-mails, direct telephone numbers or the central office, as well as the Ombudsman's Office, which is available on the website or by telephone. If it is in the contacting party's best interest, some of these channels even permit the possibility of anonymity.



# Communities

The Santo Antônio Mill is situated in an area where a significant proportion of the population is employed by the company. The salary paid to employees drives local commerce. Aware of the precarious conditions of some families in the region and the inability to employ the entire local population, the company strives to foster and support initiatives that promote new opportunities for training and income generation, thus enhancing its positive impact on the communities surrounding its operations.

## Cutting and Sewing Course

The company offers a space for a cutting and sewing course to be taught. The initiative aims to empower women in the community in the occupation, thus providing opportunities for income generation.

## Escola de Futsal Falcões de Ouro

Since 2021, the company has funded the tuition fees of socially vulnerable students at the Futsal Falcões de Ouro school. The socio-sports project aims to provide systematic sports practice opportunities for 70 children and adolescents aged 6 to 17 years. Classes take place twice a week and are organized by age bracket. The company provides financial assistance for initiatives such as uniforms and participation in competitions.





## Fundação Abrinq

Both the Santo Antônio Mill and the Camaragibe Mill are recognized as Child-Friendly Companies due to their commitment to carrying out corporate social responsibility actions to benefit and defend the rights of Children and Adolescents.



## Environmental Education

Regional and metropolitan schools are extremely interested in scheduling visits to the Santo Antônio Mill's environmental reserve areas. The company developed a comprehensive structure to better accommodate these groups in response to the high demand. The areas have been outfitted with trails and environmental guides accompany visitors.

The views are planned and adhere to a predetermined script based on the topic the visiting organization wishes to address. The Santo Antônio Mill Reserve maintains a structure that features an ecological trail, an educational, cultural, and research center, an auditorium, a gift shop, and a native seedling center. The meetings allow experiences such as a home-cooking course, and others aimed at children, who also have access to animated resources such as cinema and games.

## Topics Covered:



**The importance of riparian forests**  
for the protection of watercourses



**Selective Collection**  
Reduce, recycle and reuse



**Sustainability**  
Daily and routine actions



**Cinema**  
A Plan to Save the Planet  
(Monica's Class)



**Games**  
Playing with reused materials



**Short course**  
concrete art or jewelry making



## Sustainable Craftsmanship

The company provides space in its Permanent Protection Reserve for local artisans to access the site, harvest Titara palm vines sustainably, and create handicrafts. The pieces are available to visitors and most of the proceeds from the sale of the products go to the artisan who made them. The initiative raises awareness among the population about the possibility of sustainable extraction of natural resources in preservation areas and provides an opportunity to generate income for artisans in the community. In order to guarantee natural recovery and replenishment, the Santo Antônio Group, which maintains and manages environmental reserves, controls and ensures that resource extraction is carried out within sustainable parameters.

## Vá Pela Sombra Project

An initiative in partnership with the Porto de Pedras City Hall, a municipality in the region, in which Central Açucareira Santo Antônio S.A. donates seedlings for plant replacement and landscaping of the town's squares and streets. The partnership has been ongoing for two years and, in this cycle, the company was responsible for the donation of 3,984 seedlings.







# Annex





# Personnel Management

Employees by diversity categories		2020/2021	2021/2022	2022/2023
Gender	Men	6,395	6,645	6,472
	Women	417	435	431
Age group	Under 30	1,757	1,965	2,071
	Between 30 and 50	4,046	4,100	3,848
	Above 50 years	1,009	1,015	984
Ethnic-racial characteristics	White	992	803	703
	Brown	5,649	6,127	6,068
	Black	146	127	111
	Yellow/indigenous	25	23	21





## Total number and rate of employees hired, by age group

Age group	2020/2021		2021/2022		2022/2023	
	Total number	Fee	Total number	Fee	Total number	Fee
Under 30	1,436	44.29%	1,846	47.79%	1,490	44.08%
Between 30 and 50	1,539	47.47%	1,731	44.81%	1,605	47.49%
Above 50 years	267	8.24%	286	7.40%	285	8.43%
<b>Total</b>	<b>3,242</b>	<b>100.00%</b>	<b>3,863</b>	<b>100.00%</b>	<b>3,380</b>	<b>100.00%</b>

## Total number of employees by gender and by region\*

Regions	2020/2021			2021/2022			2022/2023		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
São Luís do Quitunde	2,798	198	2,996	2,672	224	2,896	2,757	240	2,997
Camaragibe Headquarters	1,442	75	1,517	1,472	80	1,552	1,455	78	1,533
Passo de Camaragibe	695	35	730	643	38	681	600	37	637
Barra de Santo Antônio	304	24	328	308	22	330	297	18	315
Other locations	1,157	84	1,241	1,551	70	1,621	1,363	58	1,421
<b>Total</b>	<b>6,396</b>	<b>416</b>	<b>6,812</b>	<b>6,646</b>	<b>434</b>	<b>7,080</b>	<b>6,472</b>	<b>431</b>	<b>6,903</b>

\* The apprentices are not included in this total.



# Credits



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