

SUSTAINABLE SUGARCANE PRODUCTION

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SHAKARGANJ LIMITED, JHNAG

INTRODUCING BONSUCRO

WHAT IS BONSUCRO?

Bonsucro is the leading global sustainability platform and standard for sugarcane.
 Bonsucro sets sustainability standards and certifies sugarcane and sugarcane products including ethanol, sugar, and

molasses.

27% of global land under cane is in membership & 72 million tones of sugarcane is Bonsucro certified.



Become part of the global community that sets the standards for sustainable sugarcane, and provides the tools and services you need to improve and validate your performance.



508 members in 45 countries

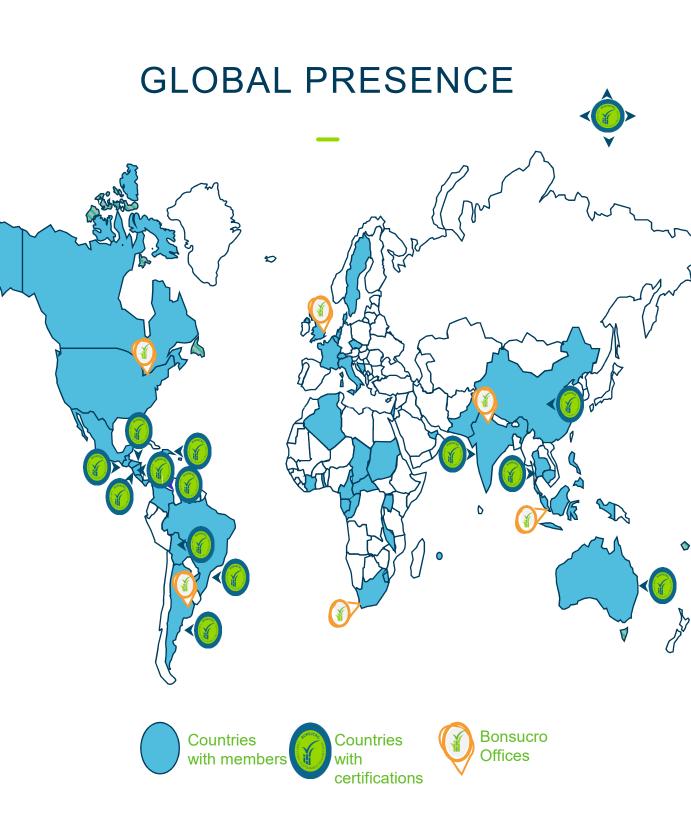


81 certified millsin 13 countries

37 Chain of CustodCertificates

4 million tonnes of certified sugar

2.5 million m3 of certified ethanol

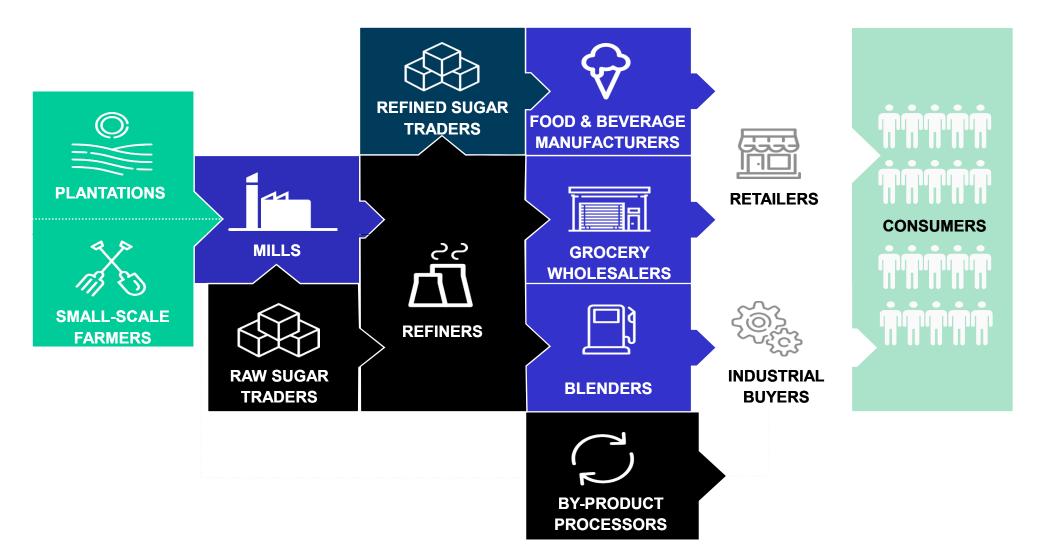


MAPS OF CERTIFIED MILLS GLOBAL PRESENCE, CRITICAL MASS



CRITICAL MASS 20% of global 25% of global production purchasing Bonsucro brings together the supply chains of all leading buyers of sugarcane products. Cloetta HERSHEY'S MARS Kelloggis Pernod Ricard Nestle The Coca Cola Company BACARDI POWERED BY NATUR Corbion Mondelēz. WOOLWORTHS LIMITED nomba PEPSICO FrieslandCampina 🔤 coles BARRY CALLEBAUT TDRRDR() GENERAL MILLS

NAVIGATE A COMPLEX MARKET



WHAT BONSUCRO OFFERS

3 pillars of sustainability







Environmental Sustainability **Economic Sustainability**

Social Sustainability

Why Bonsucro Certified Sugar?

Environmental

Water management

- Efficiency of water use
 Conservation
- Biodiversity loss & High Conservation Value (HCV) Areas
 Environmental Impact
 Agrochemicals
- Total amount and Banned agrochemicals
 Impacts management



Social

Legal Compliance Land rights Labour Rights

- ILO conventions
 Salary and contracts
- Minimum wage
- Existence of contract Health & Safety
- Drinking water
- Safety assessments
- First aid

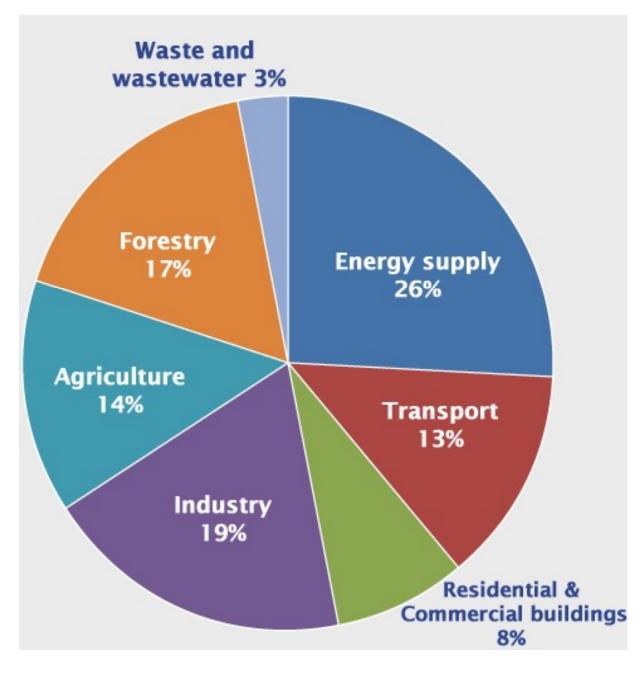
Vocational training

Economic

Efficiencies & Profitability

- Management tool for improved performance
- Improved technical knowledge
- Investment in R&D
- Use of Bonsucro Calculator
- Recovery of sugar
- Industrial efficiency

Agriculture Impacts Global Warming

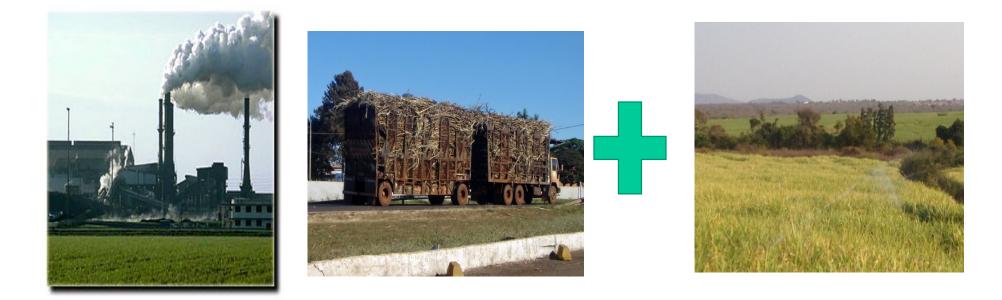


Estimates from the U.S. Environmental Protection Agency

Source:

http://www.epa.gov/climatechang e/ghgemissions/global.html

BONSUCRO addresses Net GHG emissions per ton of sugar



Calculation applied to sugar production!

Standard: < 0.44 t CO₂eq per ton of sugar

SOCIAL SUSTAINABILITY

Social Issues

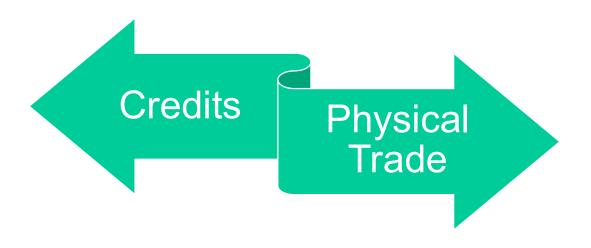
Bonsucro Solutions

- Low wages
- Child labour
- Slavery
- Exploitation
- Discrimination
- Hazardous work

- Principles in the Standard are
 - based on ILO Conventions
- Drinking water availability
- Contracts
- Unions

Why a Credit Trading System (CTS)?

- Offers possibility to demonstrate support of sustainable production of sugarcane without following trades through supply chain
- CTS creates another choice for
 - ✓ Members to sell their certified products
 - ✓ Buyers to purchase sustainably produced sugarcane



What is a Credit?

1 Credit

1 Ton of Certified Product

Bonsucro Credits



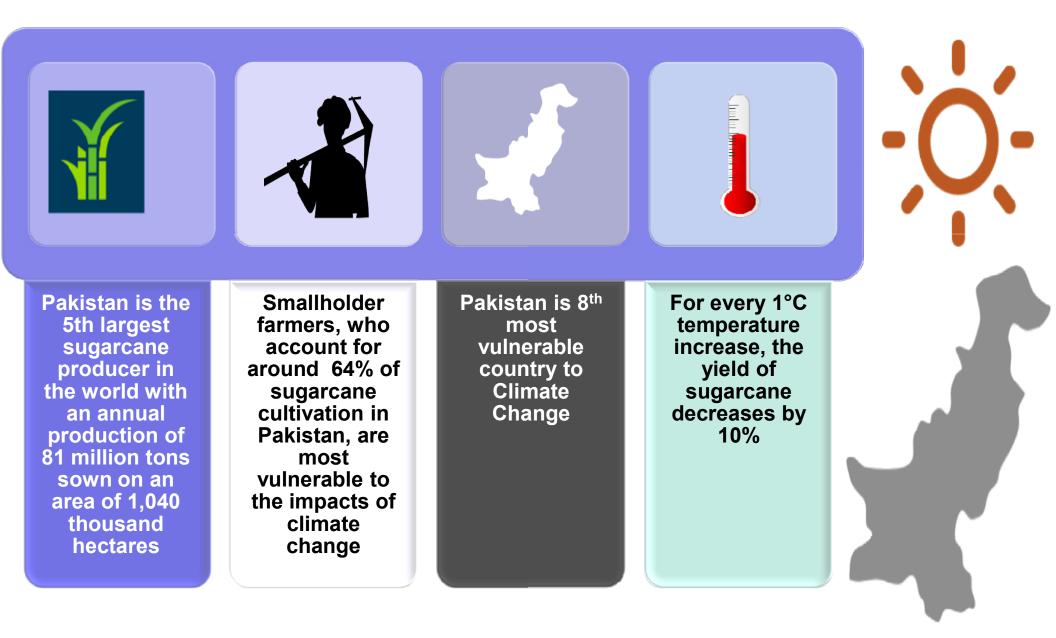
A Bonsucro Credit is proof that a unit of sugarcane,

raw sugar, ethanol or molasses has been sustainably

produced to Bonsucro's Production Standard.



Sugarcane's importance for Pakistan



IMPROVING SUGARCANE PRODUCTION

How does it work?



Bonsucro Publishes and Maintains the Standard Mill/Farm works to Achieve the Standard

Mill/Farm Audited by Bonsucro Certified CB







Topics to Cover	How to Cover Each of Them
Impact on soil	Identify the natural resources on which its operation relies and the impacts of its activities on them
Impact on water	Propose actions (preventive and corrective) to mitigate the identified impacts and to manage or enhance the natural resources and as a minimum maintain compliance with local legislation
Use of Integrated Pest Management	Set measurable objectives
Use of artificial fertilisers and	Implement the actions
Cane burning	Monitor progress against the objectives
	Act accordingly

Sustainable Engagement for Smallholders at Shakarganj Limited, Jhang

 ✓ A collaboration for dialogue and learning platform that keep members accountable for responsible business

Register & train 2,000 smallholders for sustainable production of sugarcane under BONSUCRO impact fund (BIF) project in collaboration with the WWF – Pakistan

Sustainable Engagement for Smallholders at Shakarganj Limited, Jhang

- ✓ Farmers' Capacity building
- Train smallholding farmers on climate-smart practices effectively respond to the climate change consequences.

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Shakarganj Limited

Supporting implementation project activities

WWF-Pakistan Implementing onground interventions

WWF

Project – Overview

The overall objective;

The outcomes of the proposed project are:

By 2024, at least 2,000 smallholders have the capacity to adopt sustainable sugarcane production practices on around 3,000 hectares, recognizing BONSUCRO Production Standards as guiding principles.

Smallholder and BONSUCRO Framework for Environmental and Social Aspects

OPPORTUNITIES	CHALLENGES
Mechanization	Water management
Greenhouse Gas (GHG) emissions	Cane trash burning
Research and Development (R & D) for higher Cane yield & sugar recovery	Soil erosion
Economic Research	Labor and human rights
Farmers training on good Agriculture practices	Social justice

Sustainable Sugarcane Project SSP-BIF

Farmers' Capacity building;

Train smallholding farmers on climate-smart practices effectively respond to the climate change consequences.

2,000 farmers
3,000 hectares

Introductory sessions on Bonsucro Production Principles for farmers

About the Project

Collaborative R and D – SL-SRDB-WWF Pakistan

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Establish business links between smallholding farmers and SL to create a symbiotic relationship for sustainably produced sugarcane

Expected Outcomes

- Enhance the resilience of smallholding sugarcane farmers to manage climate change impacts.
- Better economic returns through a reduction in the cost of production, yield improvement, and the right price for the sustainably produced product.
- Better working conditions and awareness of decent work measures for farm & mill workers
- Institutional capacity building on global standards and certification (Bonsucro).
- Increase market viability for sustainably produced sugar.

Thank you!

