

BRAZILIAN SUSTAINABLE CROP REPORT 2022/23 SEASON

*Responsible Brazilian
Cotton Program (ABR)*



ALGODÃO BRASILEIRO RESPONSÁVEL
RESPONSIBLE BRAZILIAN COTTON



ASSOCIAÇÃO BRASILEIRA DOS PRODUTORES DE ALGODÃO



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Overall Considerations

The 2022/23 Brazilian Sustainable Crop Report presents overall information related to the Responsible Brazilian Cotton Program (Created by Abrapa in 2012). ABR Program brings together existing regional initiatives across the country aiming at promoting responsible cotton lint production on Brazilian farms.

Abrapa and partners of the program developed a standard protocol to promote improvement, of labor conditions, preservation of natural resources, and the promotion of good agricultural practices. Brazilian farms that choose to join the ABR program are audited and, when they achieve minimum compliance requirements demanded by the program, their cotton lint production is certified.

ABR Program goals:

- 1** *Promote continuous improvements of social, environmental and economic practices in order to increasingly consolidate the commitment of Brazilian cotton farmers towards responsible cotton lint production. As a result, Brazil's presence in the global cotton market with socio environmental certification will steadily increase, further qualifying the representation of Brazilian cotton fiber.*
- 2** *Consistently improve sustainable farm management standards concurrent to increased compliance with ABR protocol.*
- 3** *Disseminate the sustainability among associates, encouraging an increasingly collaborative social role with farms, government, civil society and citizens.*



How ABR works in 10 key points

1

Voluntary System

Adherence to the protocol is not mandatory – producers who are interested in having their farm certified are the ones who participate in the Program.

2

In line with Brazilian law and ILO

The first motivation is to comply with environment and labor laws in Brazil and ILO (International Labor Organization).

3

State Association action

Under Abrapa management, state associations have a sustainability department that support farms to annually guide and qualify producers and farm managers on the ABR program. To this end, each state has a sustainability division, with available agronomists, agricultural technicians and occupational labor safety technicians.

4

Independent Auditing

Audits are annual and carried out on-site in every farm by internationally accredited third-party certifiers. Their role is to verify if farms are complying with standard protocol. In the 2022/23 cotton harvest, the companies responsible for this process were ABNT and Genesis Certificações.



How ABR works in 10 key points

5

Three Sustainability Pillars

The items verified by ABR, cover environmental, social and economic principles.

Sustainability pillars of the ABR program

1 Social Pillar



Technical training and personal development



Fair working conditions and in line with the ILO standards (International Labor)



Health and occupational safety

2 Environmental Pillar



Preservation of natural resources



Correct waste destination and disposal



Sustainable use of energy and water



Good agricultural practices

3 Economic Pillar



Sustainable management of farming and ginning process



Operational performance and efficiency



Financial return



How ABR works in 10 key points

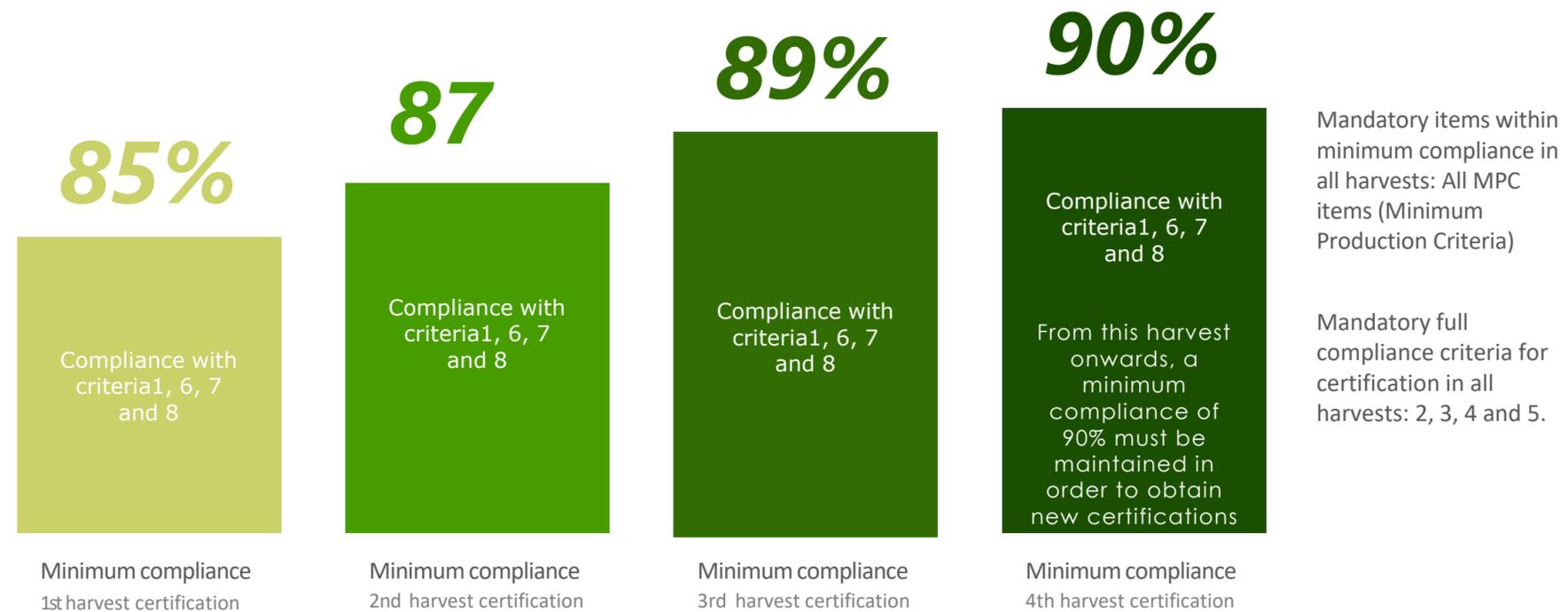
6

Continuous improvement

Farms must comply with the minimum requirements of the program, named MPC (Minimum Production Criteria). In the first year 85% compliance is needed to become ABR certified farm, demonstrating consistent progress each year. Whenever a non conformity is identified, a corrective action plan is drawn up and carried out by the farm and evaluated during the following audit.

Commitment to continuous improvement

*ABR participation must improve every year, until it reaches a 90% minimum **compliance** level (in the fourth harvest after entering the program)*





How ABR works in 10 key points

7

Checklist Verification

The ABR protocol checklist has 183 items, in the 2022/23 harvest, which are verified during the auditing process

9

High Adherence

After over ten years of program, the ABR protocol reaches high producer engagement: in the 2022/23 harvest

 **82%**
of production was certified

8



Better Cotton

Since 2013, the partnership between Abrapa and Better Cotton Initiative has allowed ABR certified producers to have optional access to Better Cotton

License. The Better Cotton is the largest cotton sustainability program worldwide. Various criteria verified by ABR have been incorporated from Better Cotton principles and criteria. The partnership between Abrapa and the Better Cotton makes it possible for ABR producers (farmers) to access international certification. In practice, the auditing and all documentation which Brazilian farmers present during the ABR certification process meet both domestic and international requirements.

10

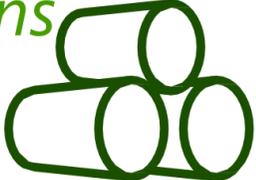
International recognition

The ABR program is recognized and endorsed by the Better Cotton Initiative and is referred as being one of the 15 certifications recognized by the Textile Exchange organization.



2022/23 Cotton Overview

In the 2022/23 harvest, ABR certified cotton production totaled

2.55 million tons of cotton lint 

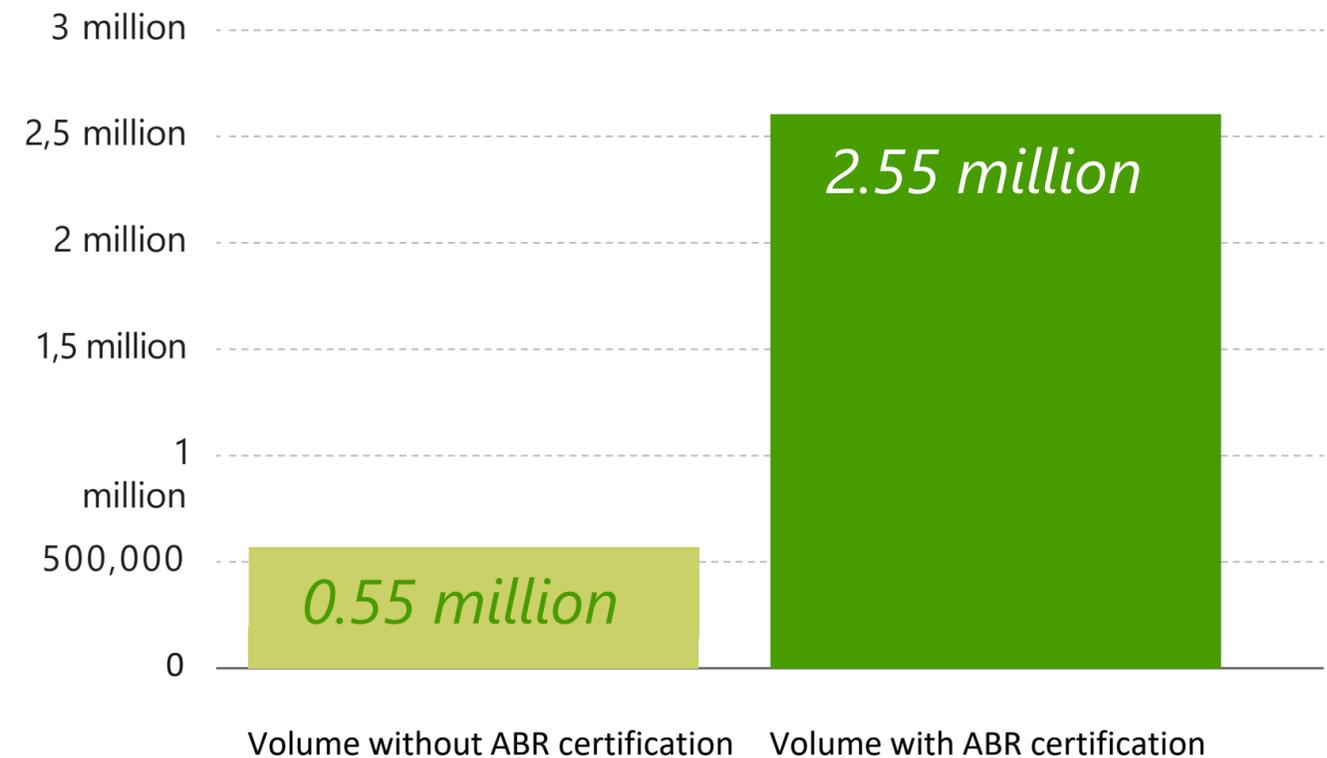
which corresponds to

82% of total production of 2022/2023 harvest (3.1 million tons) 

The estimate takes into account harvest expectations during the survey carried out in July 2023. It is a record volume, and represents growth of

28% compared to the previous harvest 

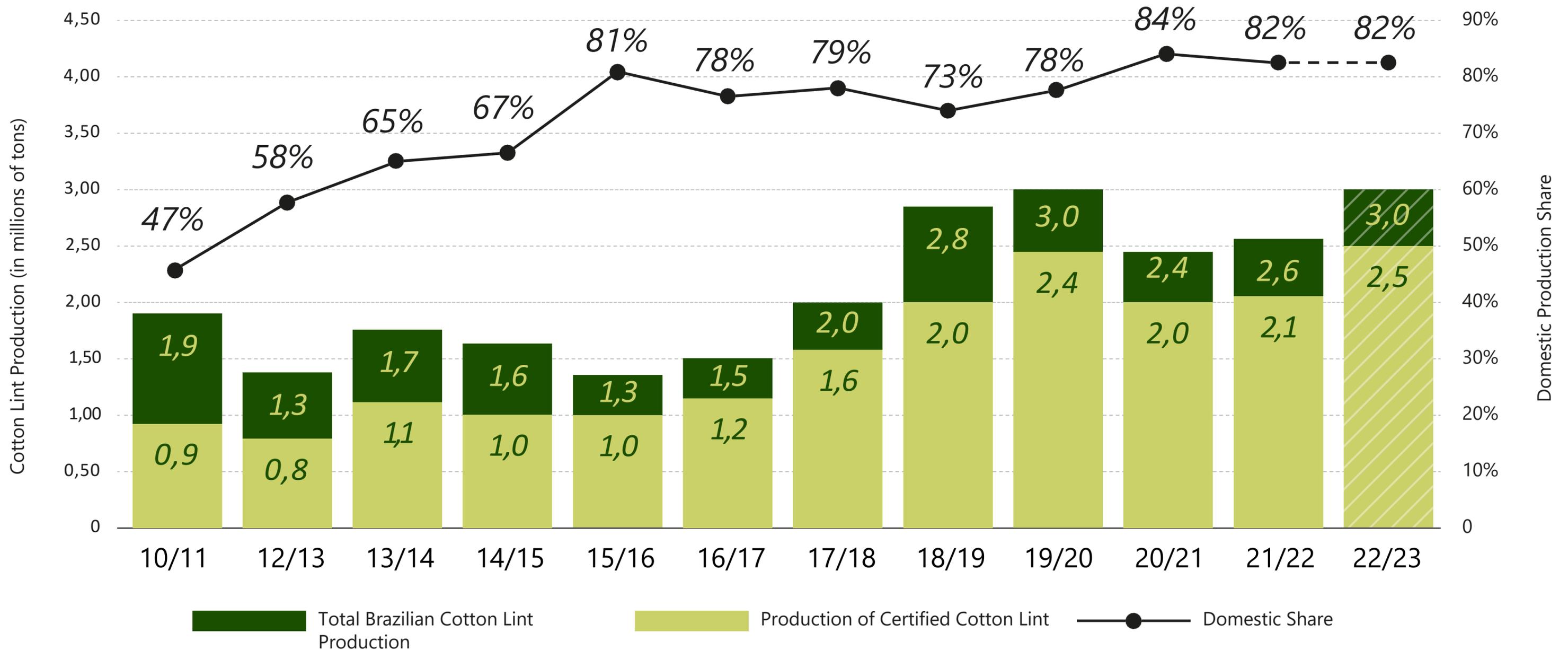
Certified cotton production and total Brazilian production (2022/23)*



*Estimated volume in July 2023.
Source: Abrapa, July/2023

Another indication of Brazilian engagement with socio-environmental certification is the fact that although it is not mandatory, cotton producers' adherence to the ABR program is high and expanding year by year.

Historic volume and share of Certified Brazilian Cotton

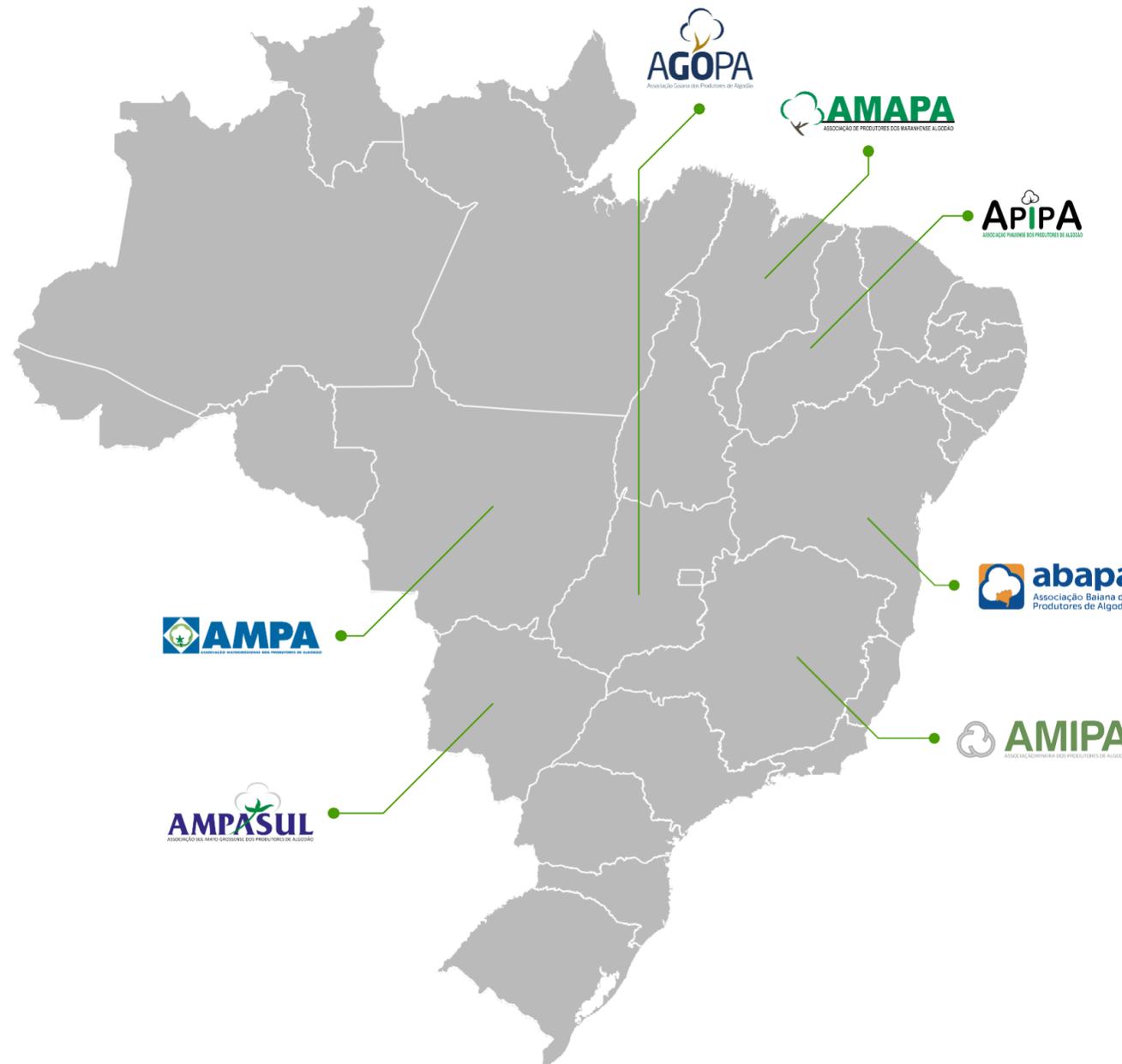


Source: Abrapa, July/2023

The production of cotton under Brazilian socio-environmental certification took place in 374 farms located in 82 cities in 9 Brazilian states, involving 7 state associations which are affiliated with Abrapa: Abapa (Bahia), Agopa (Goiás), Ampa (Mato Grosso), Ampasul (Mato Grosso do Sul), Amapa (Maranhão), Amipa (Minas Gerais) and Apipa (Piauí).

State	Farms	Cities	ABR Production (in tons)
BA	79	8	564.546
GO	27	12	36.836
MA	2	2	46.665
MG	10	8	24.336
MS	15	4	51.711
MT	233	42	1.785.040
PI	5	4	23.799
RO	2	1	20.695
TO	1	1	805

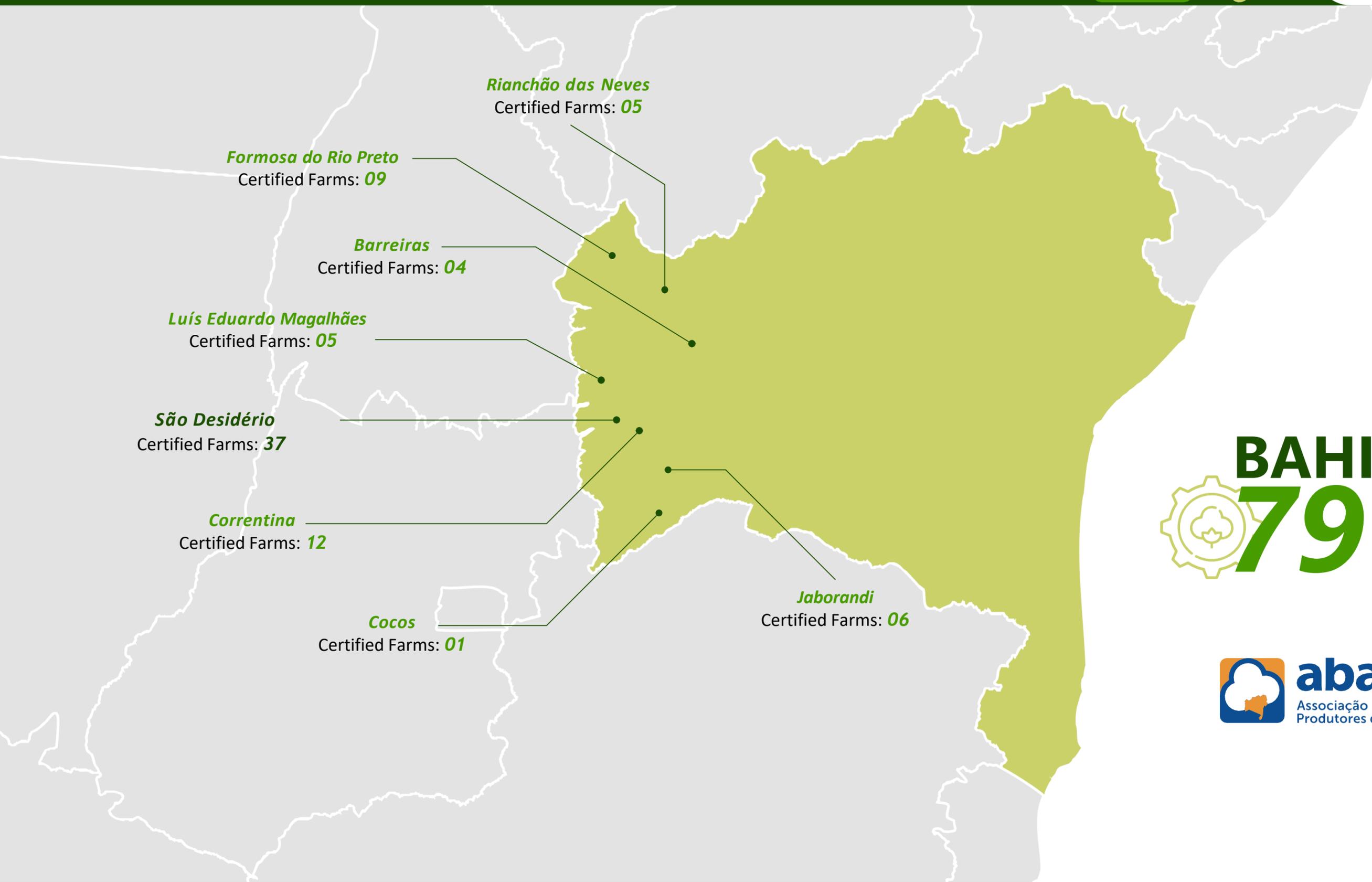
Source: Abrapa, July/2023



374
total farms

82
cities

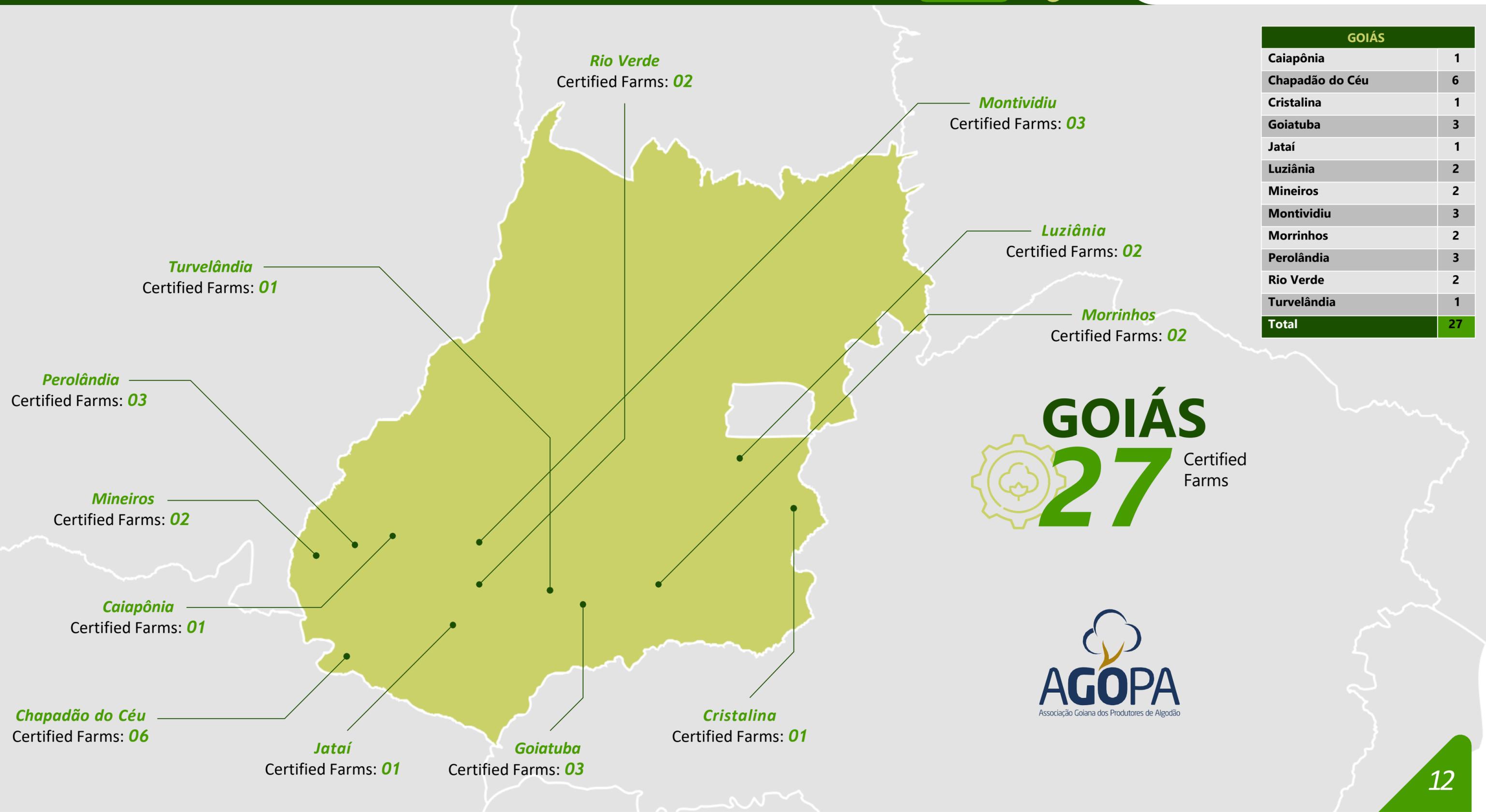
2.55
millions of tons produced



BAHIA	
Barreiras	4
Cocos	1
Correntina	12
Formosa do Rio Preto	9
Jaborandi	6
Luís Eduardo Magalhães	5
Riachão das Neves	5
São Desidério	37
Total	79

BAHIA
79 Certified Farms





GOIÁS
27 Certified Farms





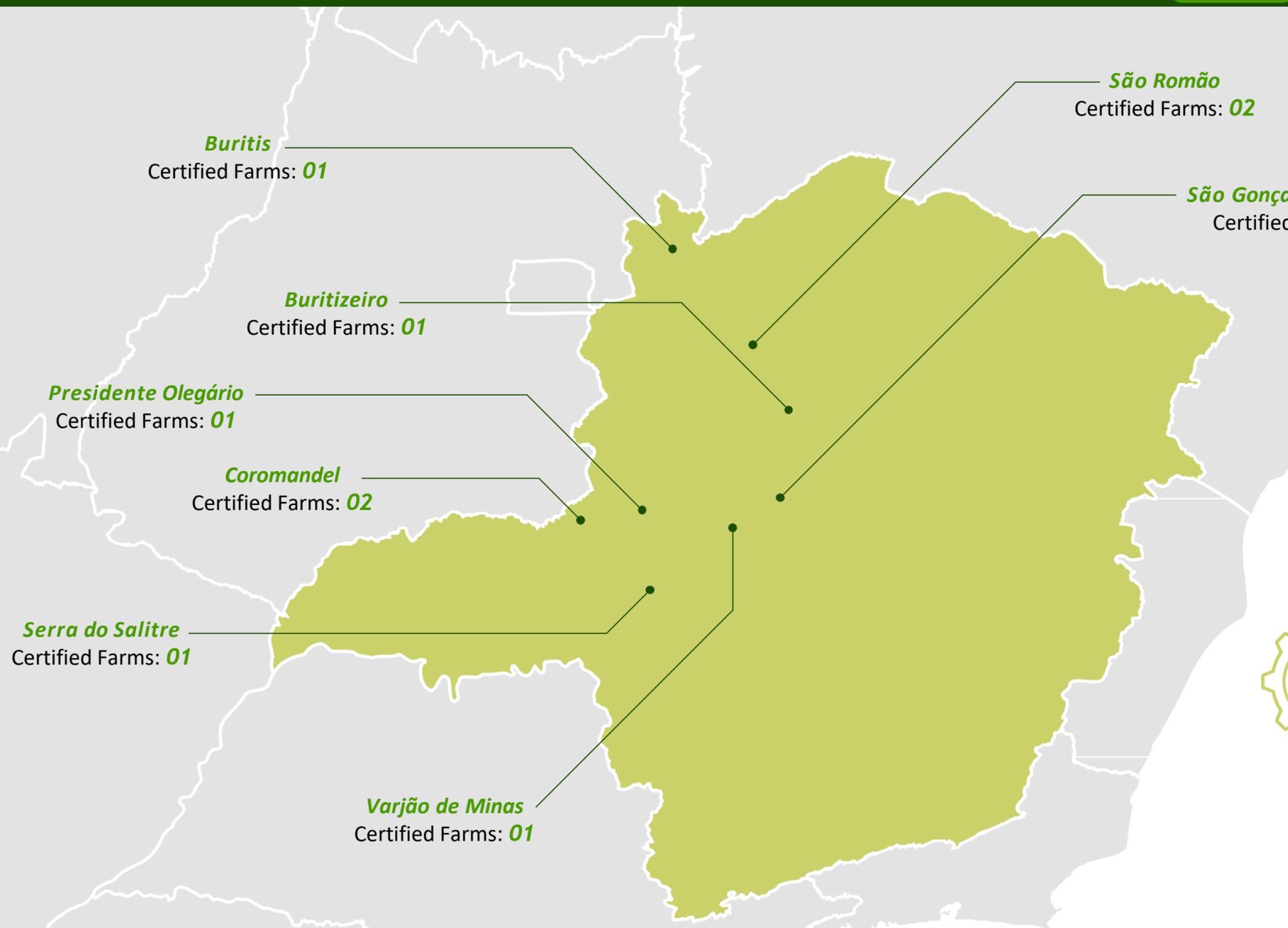
MARANHÃO	
Balsas	1
Tasso Fragoso	1
Total	2

Tasso Fragoso
Certified Farms: **01**

Balsas
Certified Farms: **01**

MARANHÃO
02 Certified Farms





MINAS GERAIS	
Buritis	1
Buritizeiro	1
Coromandel	2
Presidente Olegário	1
São Gonçalo do Abaeté	1
São Romão	2
Serra do Salitre	1
Varjão de Minas	1
Total	10

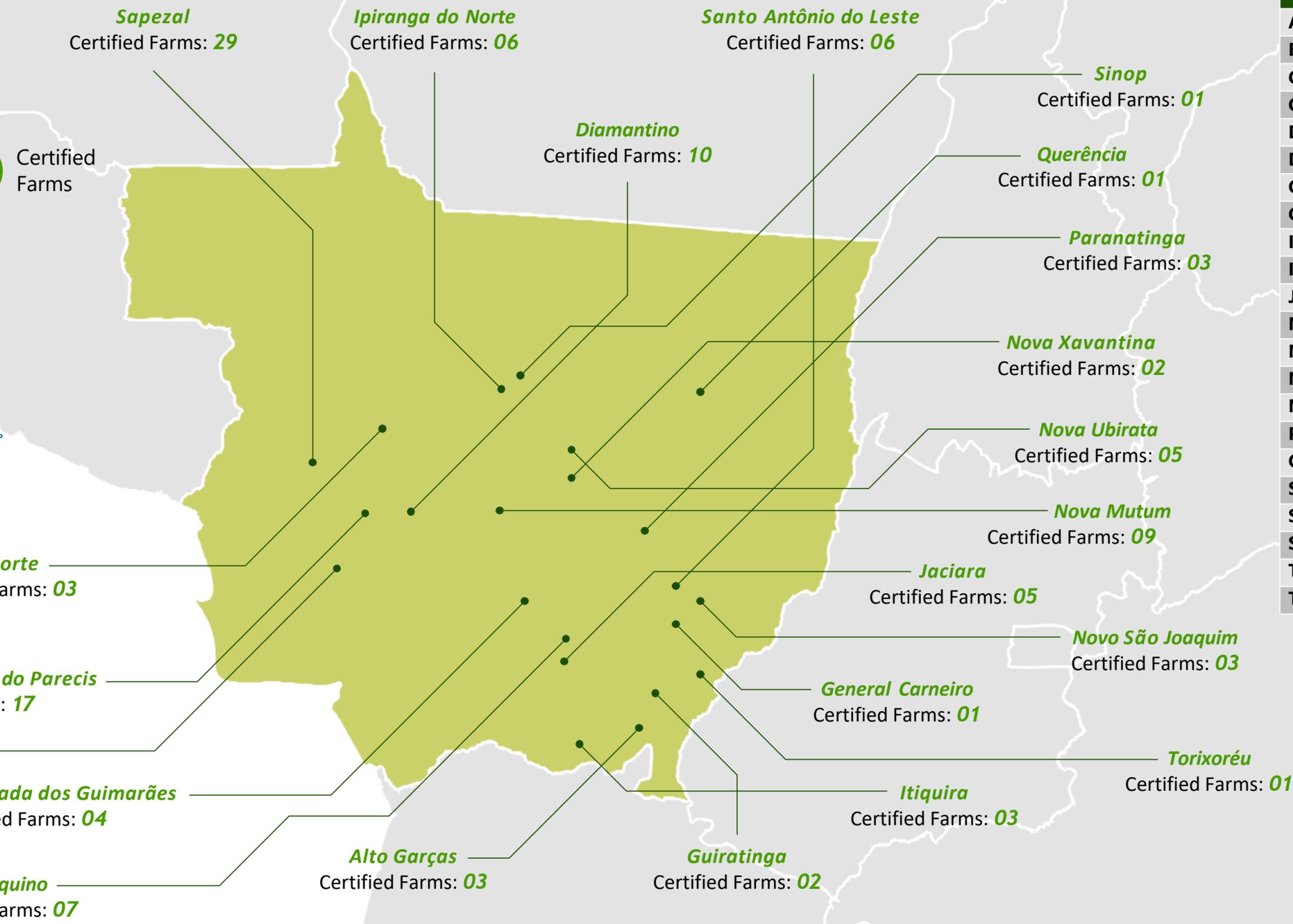
MINAS GERAIS
10 Certified Farms



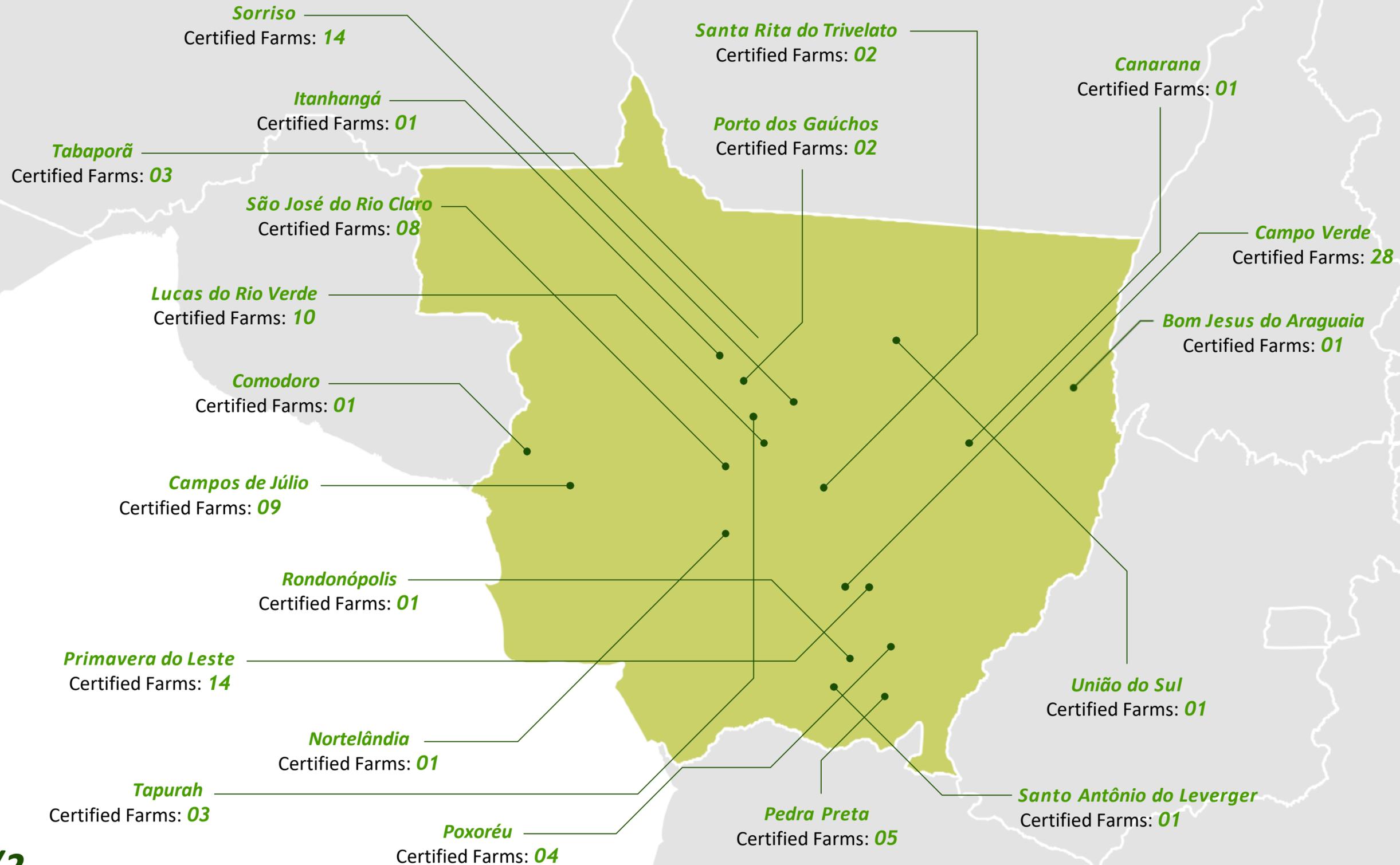




MATO GROSSO 233



MATO GROSSO	
Alto Garças	2
Brasnorte	3
Campo Novo do Parecis	17
Chapada dos Guimarães	4
Diamantino	10
Dom Aquino	7
General Carneiro	1
Guiratinga	2
Ipiranga do Norte	6
Itiquira	3
Jaciara	5
Nova Mutum	9
Nova Ubirata	5
Nova Xavantina	2
Novo São Joaquim	3
Paranatinga	3
Querência	1
Santo Antônio do Leste	6
Sapezal	29
Sinop	1
Tangará da Serra	3
Torixoréu	1

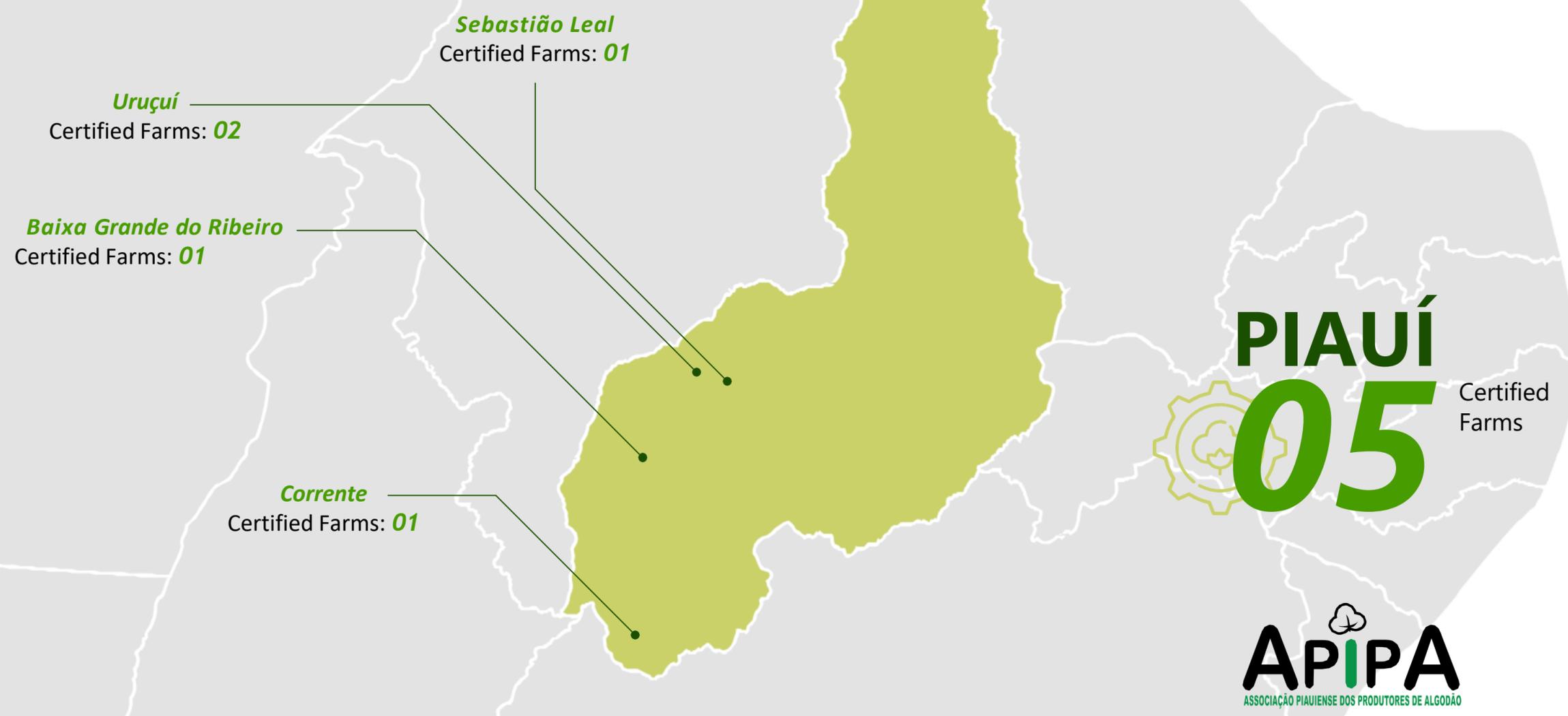


MATO GROSSO	
Bom Jesus do Araguaia	1
Campo Verde	28
Campos de Júlio	9
Canarana	1
Comodoro	1
Itanhangá	1
Lucas do Rio Verde	10
Nortelândia	1
Pedra Preta	5
Porto dos Gaúchos	2
Poxoréu	4
Primavera do Leste	14
Rondonópolis	1
Santa Rita do Trivelato	2
Santo Antônio do Leverger	1
São José do Rio Claro	8
Sorriso	14
Tabaporã	3
Tapurah	3
União do Sul	1





PIAUÍ	
Baixa Grande do Ribeiro	1
Corrente	1
Sebastião Leal	1
Uruçuí	2
Total	5





RONDÔNIA	
Vilhena	2
Total	2



Vilhena
Certified Farms: **02**

RONDÔNIA
02 Certified Farms



TOCANTINS	
Tocantinia	1
Total	1

Tocantinia
Certified Farms: **01**

TOCANTINS
01 Certified Farms



Brazilian share on licensed Better Cotton volume

Brazil maintained its leading position in the world production ranking of the Better Cotton licensing.

In 2022, the Brazilian contribution to global scenario of licensed Better Cotton lint was

37%

in total

Over a third part of Better Cotton licensed cotton was grown on Brazilian farms

Licensed Cotton Volume (MT lint) in 2022



Source: Better Cotton Initiative



JOB OPPORTUNITIES

 **374** Farms in total

CREATED

 **38,000** direct and formal jobs in the 2022/23 harvest

COMPRISING

 **4,179** women (11% of the total amount)

E

 **500** job opportunities for workers with disabilities

Over the past 20 years, in four Brazilian cities with the highest production of ABR cotton, population has doubled and it's happening with quality of life. According to the Firjan index, the quality of life of people in these cities exceeds the Brazilian Human Development Index (HDI) average by 16,8%





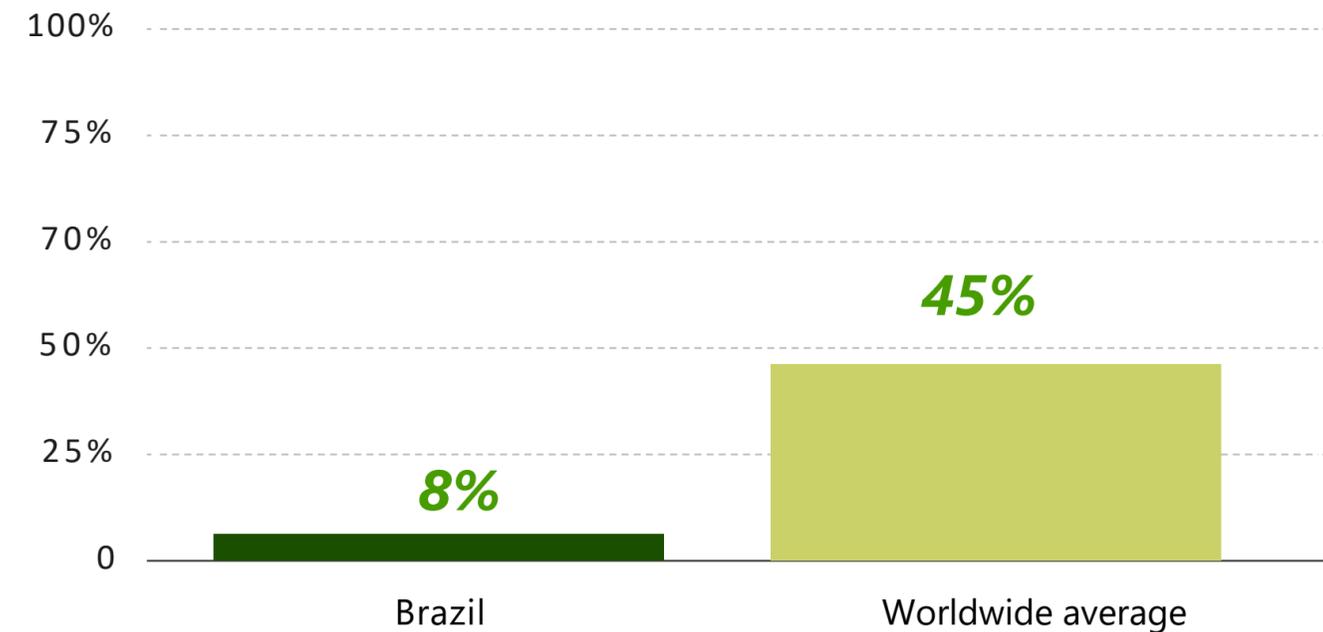
Water use

 **92%** of the ABR cotton production area was produced on non-irrigated land in the 2022/23 harvest,

with only 8% of the total area having some type of irrigation. It is important to emphasize that in Brazil, irrigated areas do not consume water throughout the crop development period, which leads to lower consumption compared to other producing countries. Within the protocol, there are controls that ensure efficient and environmentally friendly water consumption.



Irrigated Area in Cotton



Year after year, efficiency is greater on ABR farms. In the 2022/23 harvest, the average productivity of ABR and Better Cotton farm certifications was

 **4.6%** higher than the Brazilian average.

This figure confirms the additional gain in productive efficiency on lands that have implemented the ABR protocol.



How identify ABR Cotton?

Buyers of Brazilian cotton can easily identify whether the bale has socio-environmental certification – by viewing if the cotton bale is certified by ABR or licensed by Better Cotton (BCI). The easiest way is to search and verify on the Abrapa website. Simply [click here](#) and carry out the step-by-step process below.



Step 1

Checking the identification label on hand that is fixed to each cotton bale. It features an individual serial number for the cotton bale.



Step 2

Click here to access the Abrapa website [click here](#)

The screenshot shows the ABRAPA website interface. At the top left is the ABRAPA logo. On the right, there is a link to read cotton content in other languages and social media icons for Twitter, Facebook, Instagram, LinkedIn, and YouTube. The navigation menu includes: SOBRE, ÁREAS, DADOS, NOTÍCIAS, PUBLICAÇÕES, ASSOCIADAS, EVENTOS, and CONTATO. The main heading is "Rastreamento de fardo – Consulta / Traceability Verification of Brazilian Cotton Bales". Below this, there are two paragraphs: one in Portuguese and one in English, explaining the bale identification system. On the right side of the page, there is a yellow box representing a bale label with the following details: "NÃO REMOVER / DO NOT REMOVE", the ABRAPA logo, "Sistema Abrapa de Identificação - Abrapa Identification System", a barcode, the number "00 0789853396 3783751 4", and a QR code. A vertical contact number "+55(61) 3028-9700" is also visible on the left side of the label box.

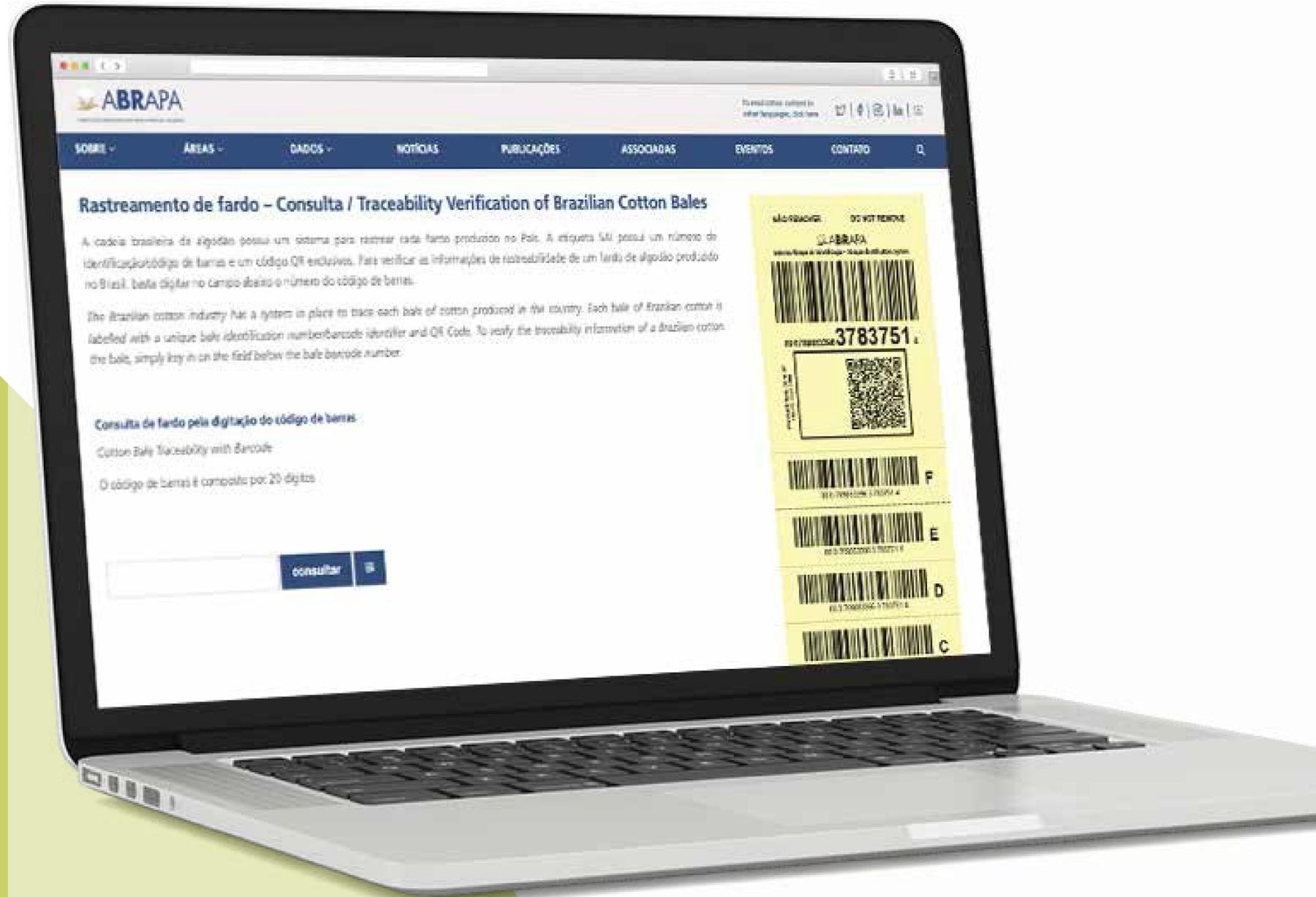


Step 3

Enter the number of the cotton bale you wish to search in the field.

Consulta de fardo pela digitação do código de barras
Cotton Bale Traceability with Barcode

Please note that the barcode has 20-digit numbers.

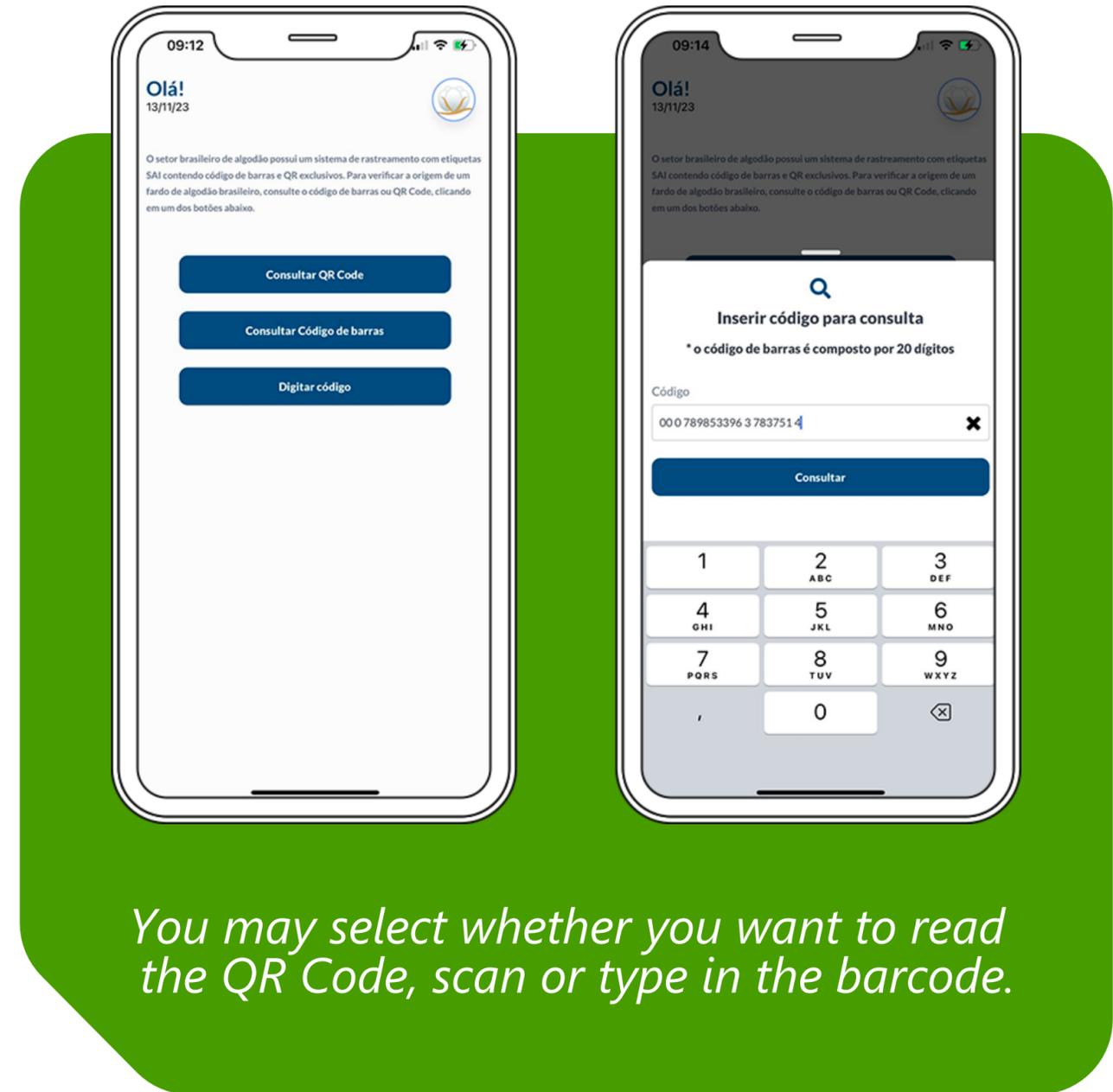




How identify the ABR cotton by using the App



*Download the App.
Available for Android and IOS.*



You may select whether you want to read the QR Code, scan or type in the barcode.



Step 4

Done! You will be able to know where the cotton was grown and processed, the quality indexes of the lint and whether it is ABR certified and licensed by the Better Cotton Initiative.

Traceability

(Here you will find detailed information on the cotton bale)

Número do código de barras / Barcode Number:

00078985394610458803

Número do fardo / Bale Number: 045880

Código extensor / Check Digit: 0 **Código**

premsa / Gia Press number: 1 **Ano de**

impressão de etiqueta SAI / Year When

the SAI label was printed: 2023 **Safra /**

Crop Year: 2022/2023

Production Origin

This field provides detailed info on the producer (farmer), farm and what socio-environmental certifications it has)

Produtor, Grupo / Producer (Farmer): SLC Agrícola S.A.

Unidade Produtiva / Farm: Paiaguás I

Endereço / Address: Rod Br 364 Km 754 21 Km A Dir

Distrito Deciolândia Zona Rural

Cidade / City: Diamantino

Estado / State: MT

Certificação ABR / ABR Certification:

357.067.MT.2023

Licenciamento BCI / BCI License: BR-MT-71



Cotton Gin Data

(Features data from the cotton gin, including socio-environmental certification)

Nome Fantasia / Cotton Gin Name: Fazenda Paiaguás I

Número da Algodoeira / Cotton Gin Number: 0789853946

Endereço / Address: Rod. Br 364, Km 754 + Km 21 À Direira

- Zona Rural

Cidade / City: Diamantino

Estado / State: MT

Certificação ABR_UBA / ABR_UBA Certification: --



Cotton Classification

(Here you can check the HVI test lab responsible for quality analysis)

Nome do Laboratório / Lab Name: AGOPA

Endereço / Address: Rua da Pátria, 230 - Santa Geneveva

Cidade / City: Goiânia

Estado / State: GO

Telefone / Telephone: (62) 3241-0404



HVI Test Results

(Presented in accordance with international standards)

Mic	Mat	UMHL (pol)	UHML (mm)	SFI (0,5)	UI (%)	Str (g/tex)	Elg (%)	Rd	+b	C Grd	TrCnt	TrAr (%)	Tr Grd	SCI
3.9	0.85	1.164	29.56	8.9	82.1	32.3	6.5	79.9	7.5	31-1	41	0.36	3	144



Detailed Search of ABR certified Farm

Another possible way to sort Brazilian cotton data is to search for ABR certification per farm unit. Please view below, how to carry out the search:

Step 1

Click here to access the Abrapa website [link](#)

The screenshot shows the ABRAPA website header with the logo and navigation menu. The main content area is titled "ABR certified and BCI licensed farms" and "Unidades Produtivas certificadas ABR e licenciadas BCI". Below the title, there is a search filter section with the following fields: Safr (dropdown), Grupo/Produtor, Unidade produtiva, UF (dropdown), Município (dropdown), Certificadora (dropdown), and Certificação (dropdown). A blue "buscar" button is located to the right of the filters. The text below the filters reads: "Nesta área, é possível consultar as Unidades Produtivas certificadas pelo programa Algodão Brasileiro Responsável (ABR) e licenciadas pela Better Cotton Initiative (BCI). Para realizar a busca, utilize os filtros e encontre o que procura."



Step 2

You can use the available tools and sort your search per harvest, group/farmer, farm, city, certifier or type of certification.

The screenshot shows the ABRAPA website header with the logo and navigation menu. The main content area is titled "ABR certified and BCI licensed farms" and "Unidades Produtivas certificadas ABR e licenciadas BCI". It includes a search filter section with dropdown menus for "Safrá", "Grupo/Produtor", "Unidade produtiva", "UF", "Município", "Certificadora", and "Certificação", followed by a "buscar" button.



Step 3

The system will feature a list of farm properties with socio-environmental certification. Please view below!

Unidades Produtivas certificadas ABR e licenciadas BCI ABR certified and BCI licensed farms

Safra	Grupo/Produtor	Unidade produtiva	UF	Município	Certificadora	Certificação ABR	Licença BCI
2016/2017	3sb Produtos Agrícola S.a	Fazenda Lagoa Encantada	MT	Primavera do Leste	Abnt	✓	✓
2016/2017	3sb Produtos Agrícola S.a	Fazenda Caroline	MT	Primavera do Leste	Abnt	✓	✓
2022/2023	3sb Produtos Agrícolas S.A.	Lagoa Encantada	MT	Primavera do Leste	Abnt	✓	✓
2022/2023	3sb Produtos Agrícolas S.A.	Caroline	MT	Primavera do Leste	Abnt	✓	✓
2020/2021	3sb Produtos Agrícolas S.A.	Caroline	MT	Primavera do Leste	Abnt	✓	✓
2021/2022	3sb Produtos Agrícolas S.A.	Caroline	MT	Primavera do Leste	Abnt	✓	✓
2017/2018	3sb Produtos Agrícolas S.A.	Fazenda Caroline	MT	Primavera do Leste	Abnt	✓	✓
2018/2019	3sb Produtos Agrícolas S.A.	Fazenda Caroline	MT	Primavera do Leste	Abnt	✓	✓
2019/2020	3sb Produtos Agrícolas S.A.	Fazenda Caroline	MT	Primavera do Leste	Abnt	✓	✓
2017/2018	3sb Produtos Agrícolas S.A.	Fazenda Garça Branca	MT	Campo Verde	Abnt	✓	✓

Navigation: Primeira « 1 2 3 » Última

Any doubt, feel free to contactus!

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