



# Integrated solutions and partnerships in agriculture for sustainable production

- Sustainable production chains and food security
- Innovation, sustainability and food security
- New financing mechanisms

**Brazil Sources:**

MAPA; SPA; AgroStat; Conab; Embrapa; IBGE;  
Agroconsult; CNA; MMA; FUNAI; DNIT ANA; MPOG.








**Global Sources:**

USDA, FAO e OECD.

April 2021

# Brazil

## World Ranking 2018/2019

Main products	Production	Exports	% global exports	Importing countries
 Sugar	1 <sup>st</sup>	1 <sup>st</sup>	35,7	124
 Coffee	1 <sup>st</sup>	1 <sup>st</sup>	29,5	109
 Orange Juice	1 <sup>st</sup>	1 <sup>st</sup>	76,5	87
 Soybean	1 <sup>nd</sup>	1 <sup>st</sup>	51,0	50
 Beef	2 <sup>nd</sup>	1 <sup>st</sup>	20,8	118
 Chicken meat	2 <sup>nd</sup>	1 <sup>st</sup>	31,7	162
 Corn	3 <sup>rd</sup>	2 <sup>nd</sup>	23,2	92

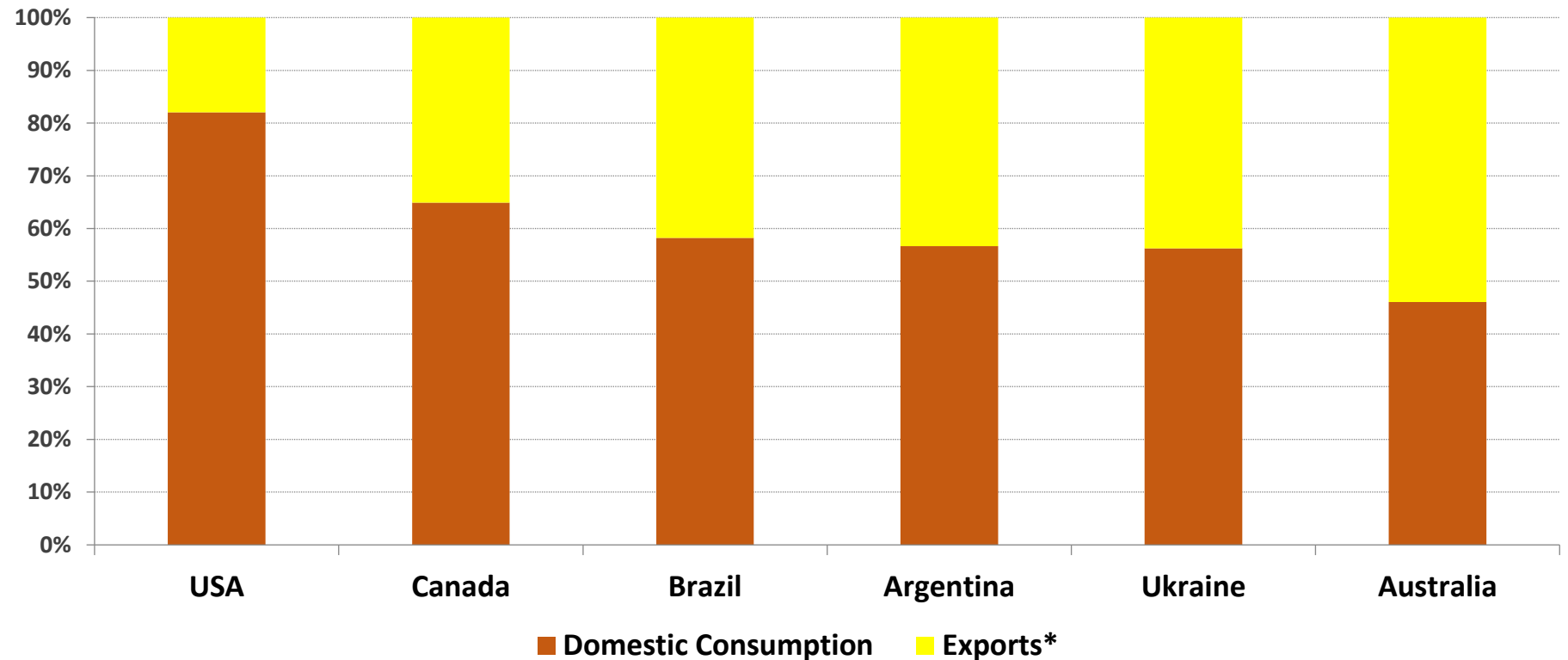
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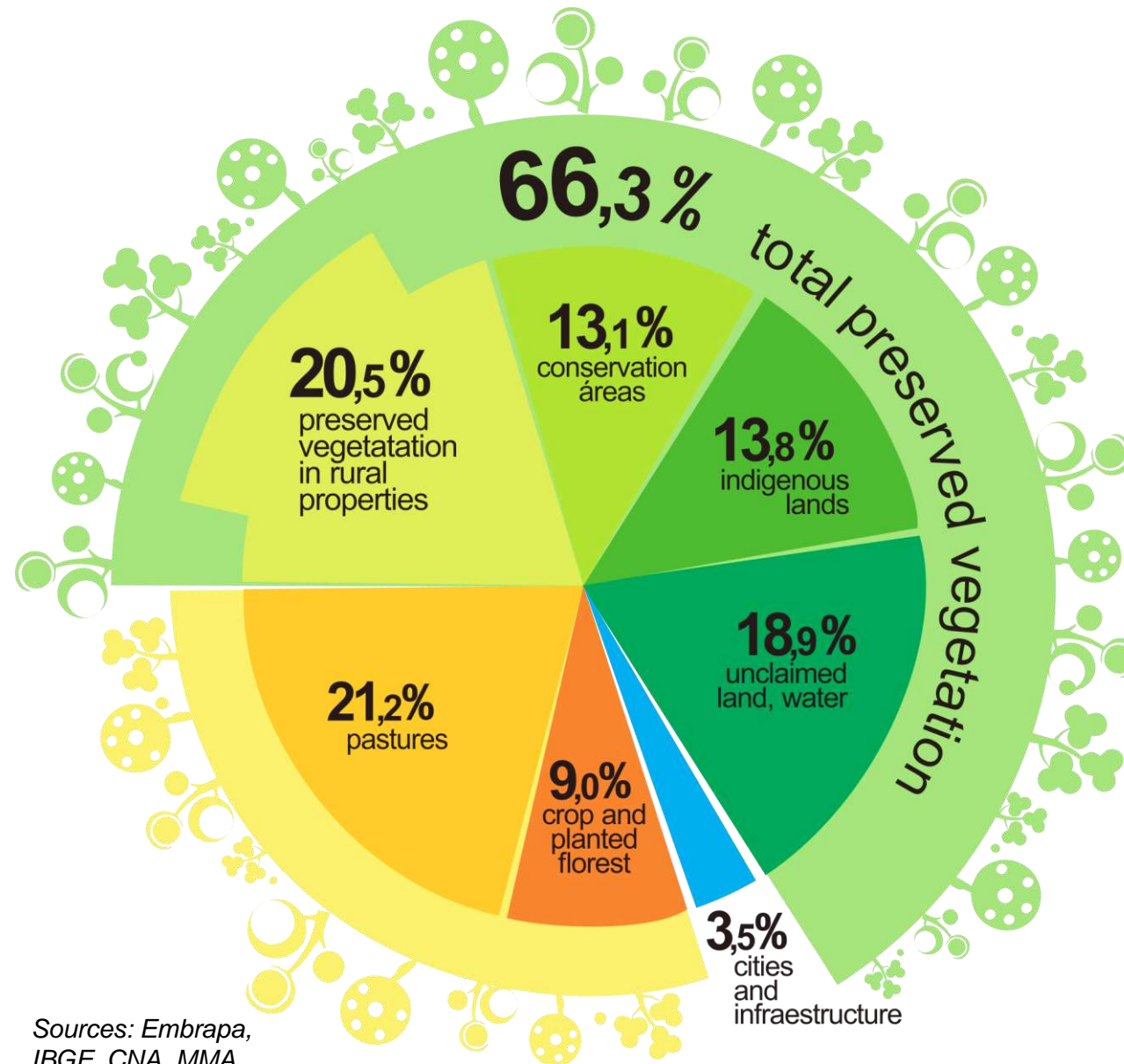
# An important domestic market

Agriculture: domestic consumption and exports  
average 2016-2018



\* Includes stock variation - Source: OECD. Prepared by: MAPA/SPA

# Most of the territory is preserved

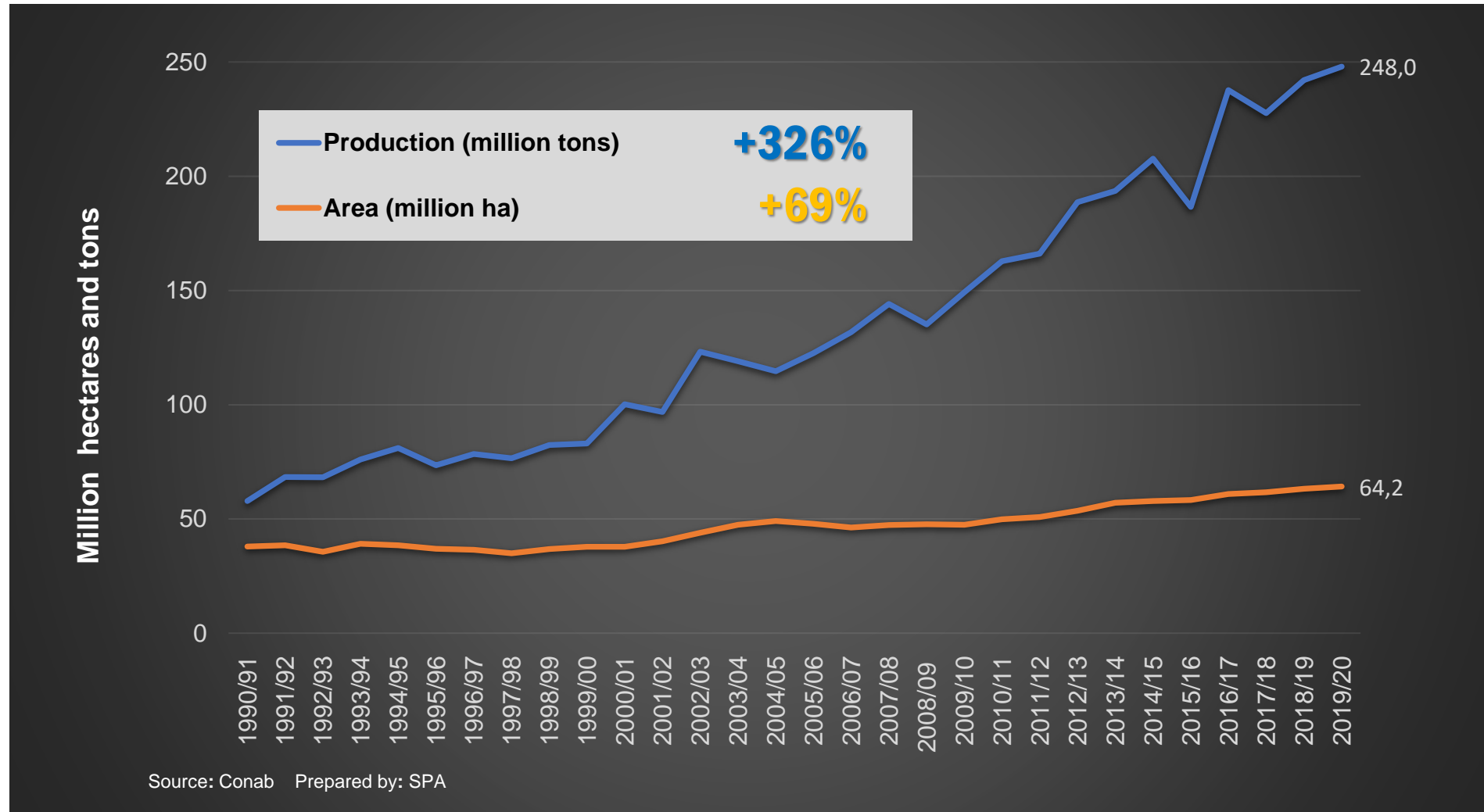


Sources: Embrapa, IBGE, CNA, MMA, FUNAI, DNIT ANA, MPOG.  
Preparation: Embrapa Monitoring

The area of native vegetation preserved **5,6 million km<sup>2</sup>** is greater than the European Union **4,0 million km<sup>2</sup>**

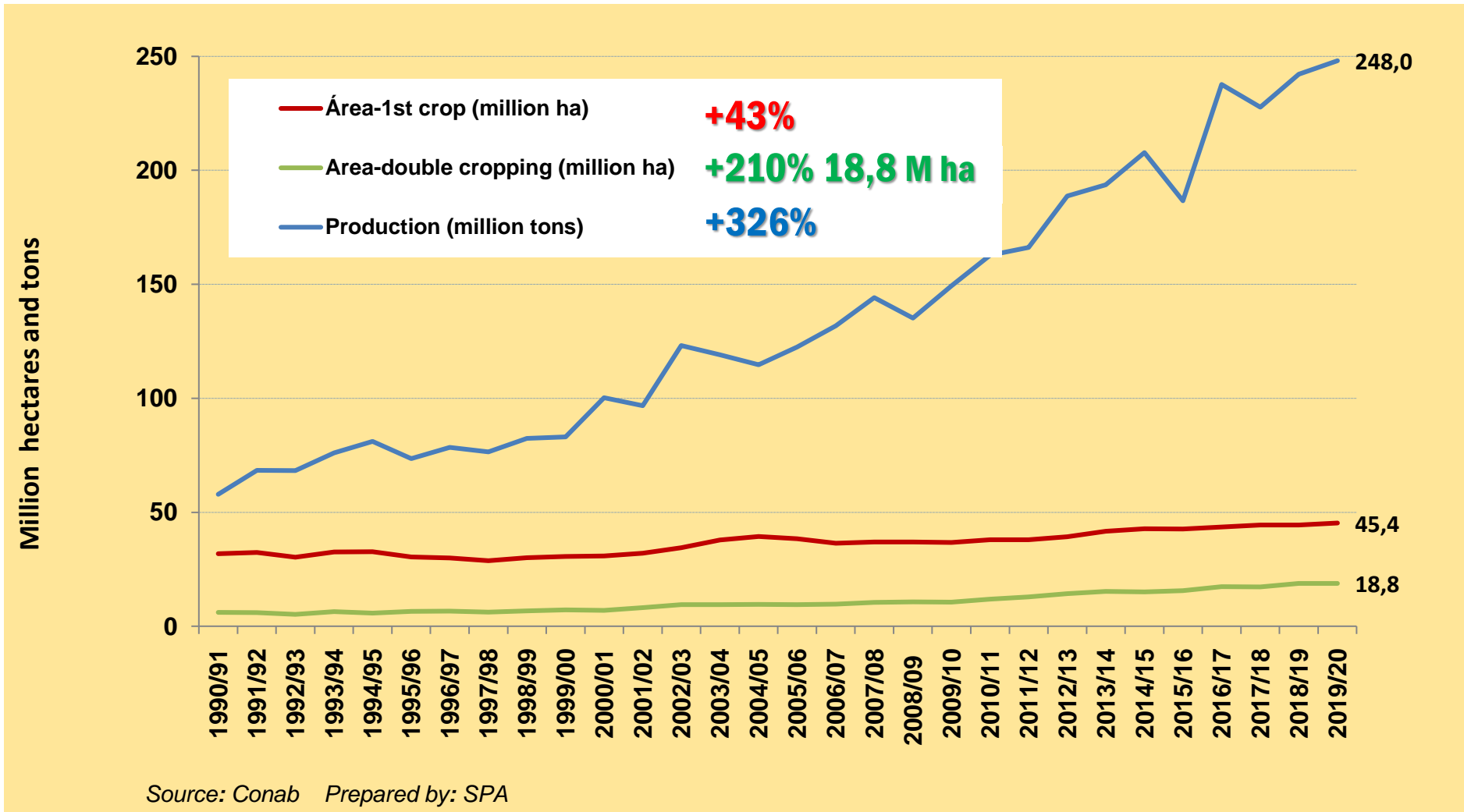


# Land use and Grain Productivity





# Land use and Grain Productivity



# Where the efficiency comes from?



Almost **19 million ha** planted with more than one harvest in the same year

**Technology:** no tillage and early harvest soybean varieties

**Carbon sequestration**

**Reduced fixed costs** (same land, same labor, same equipment)

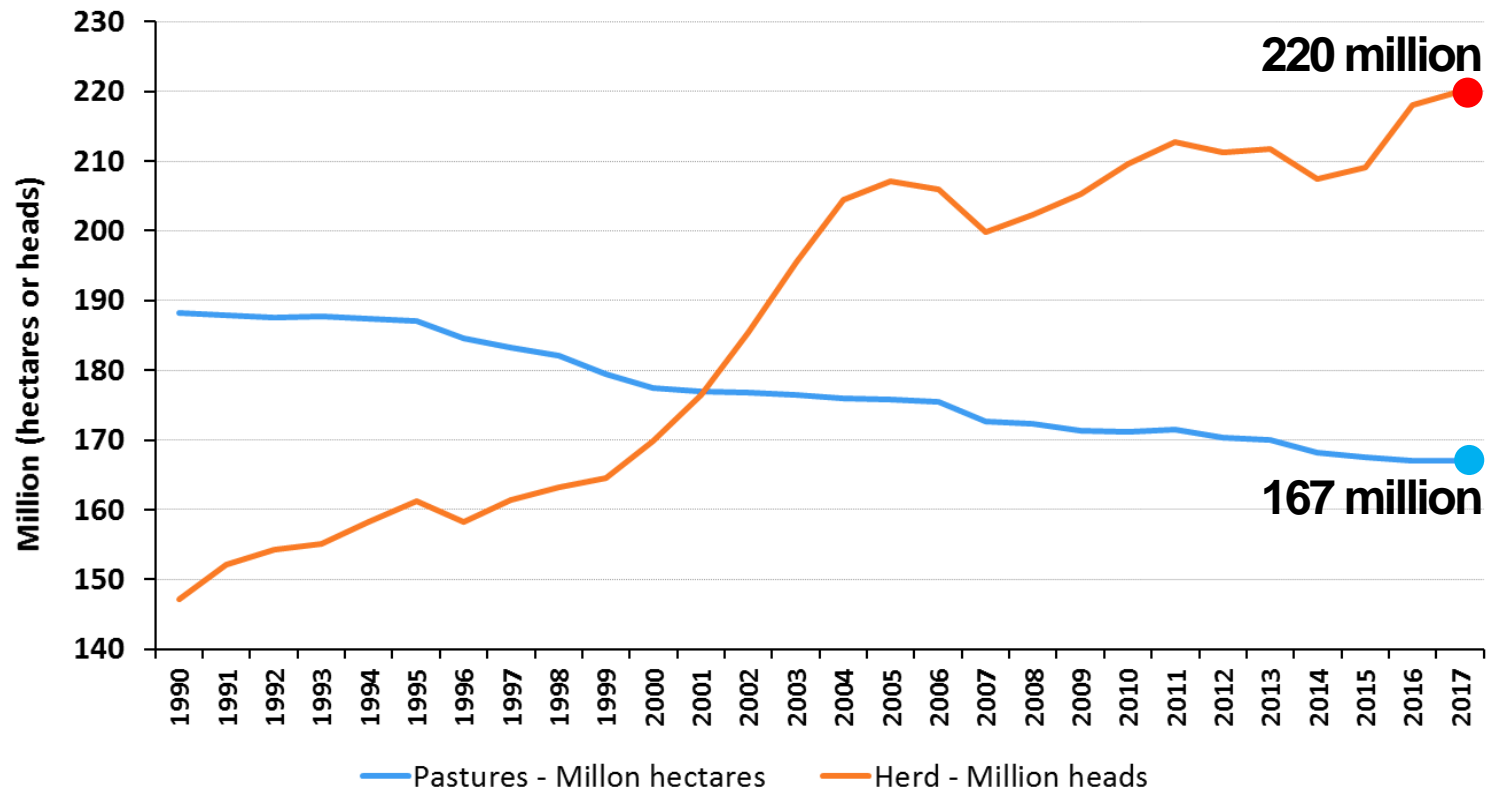
**Competitive** grain production

**High grain availability** for animal feed.

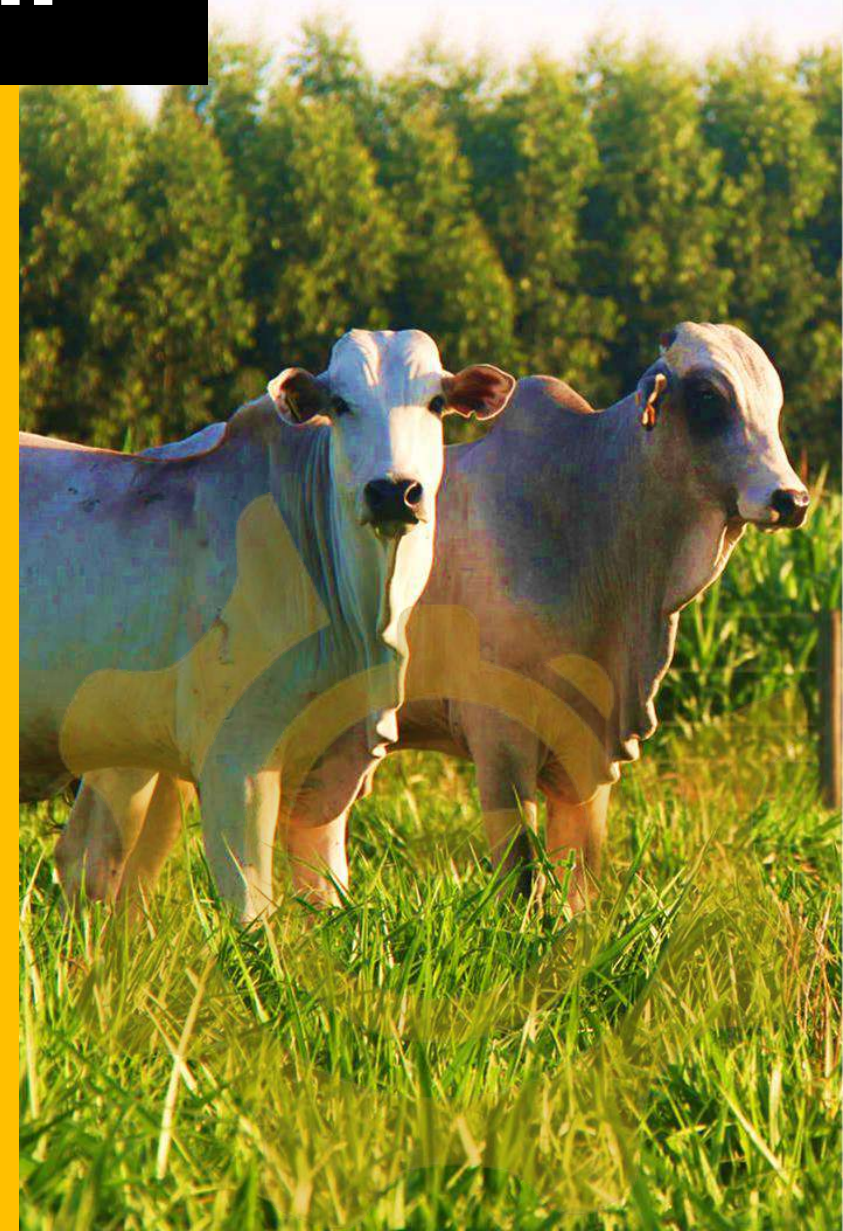


# Advancements in cattle production

## Brazil – cattle production vs pastures



Source: Agroconsult / IBGE





# Forest Code

A federal law that requires landowners to conserve or restore **native vegetation** in **rural properties**.

It aims at conserving water, biodiversity, soils and carbon stocks.



# Forest Code

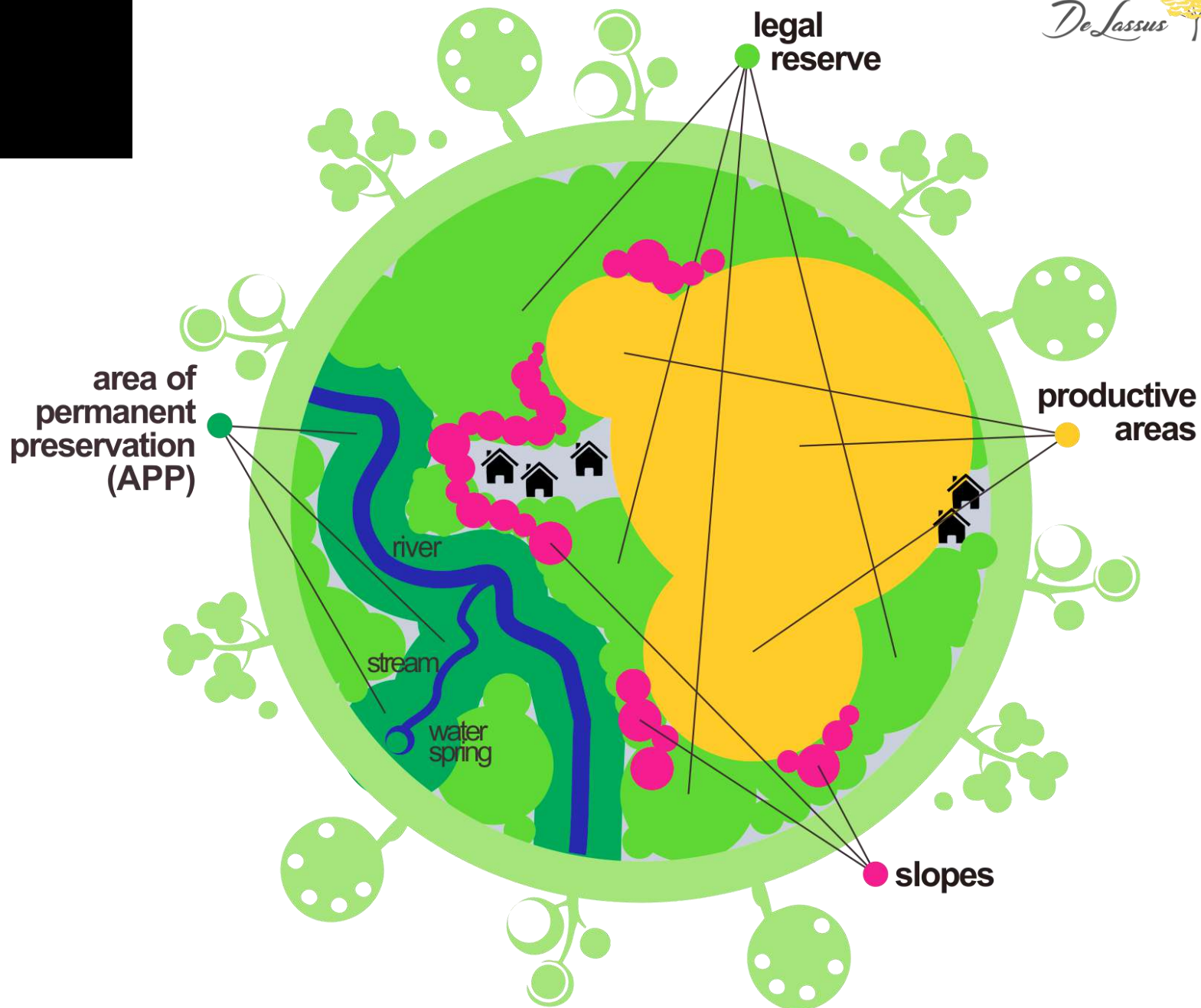
## Forest Code:

requires preservation and restoration of vegetation inside the farms

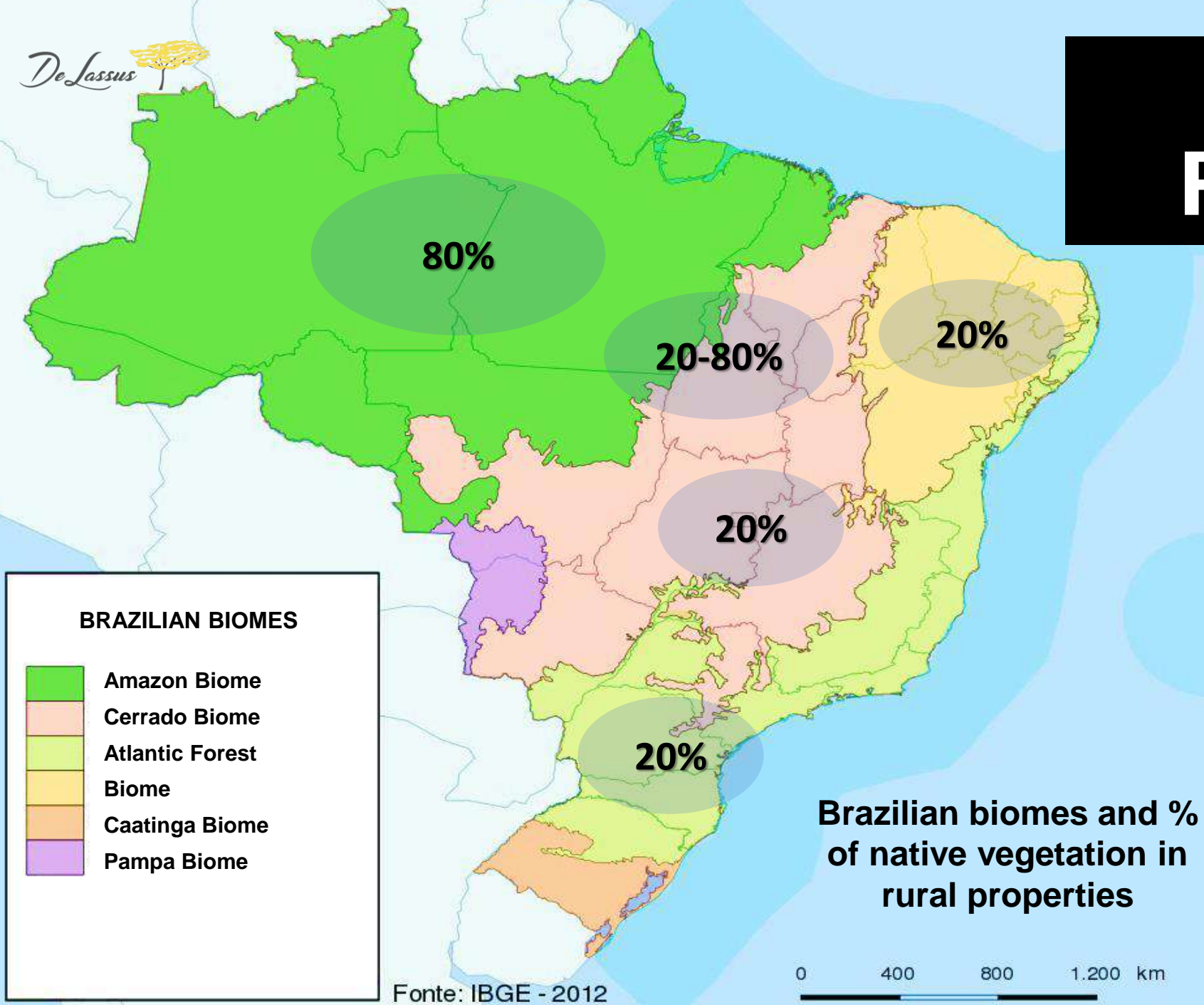
- **Area of Permanent Preservation**

- **Legal Reserve**

- **Environmental Rural Registry (CAR)**



# Preservation in Rural Properties



## Legal Reserve

In the Legal Amazon  
~60% of the country's territory

80% - forests  
35% - cerrado  
20% - campos  
In the rest of the country - 20%

*Some activities are allowed  
(low environmental impact)  
Recognised by CONAMA or  
State Councils*

**Opportunity for cooperation!**

**Brazilian biomes and %  
of native vegetation in  
rural properties**

Fonte: IBGE - 2012



# Low-Carbon Agriculture (ABC)

**Brazilian agriculture is already low-carbon**

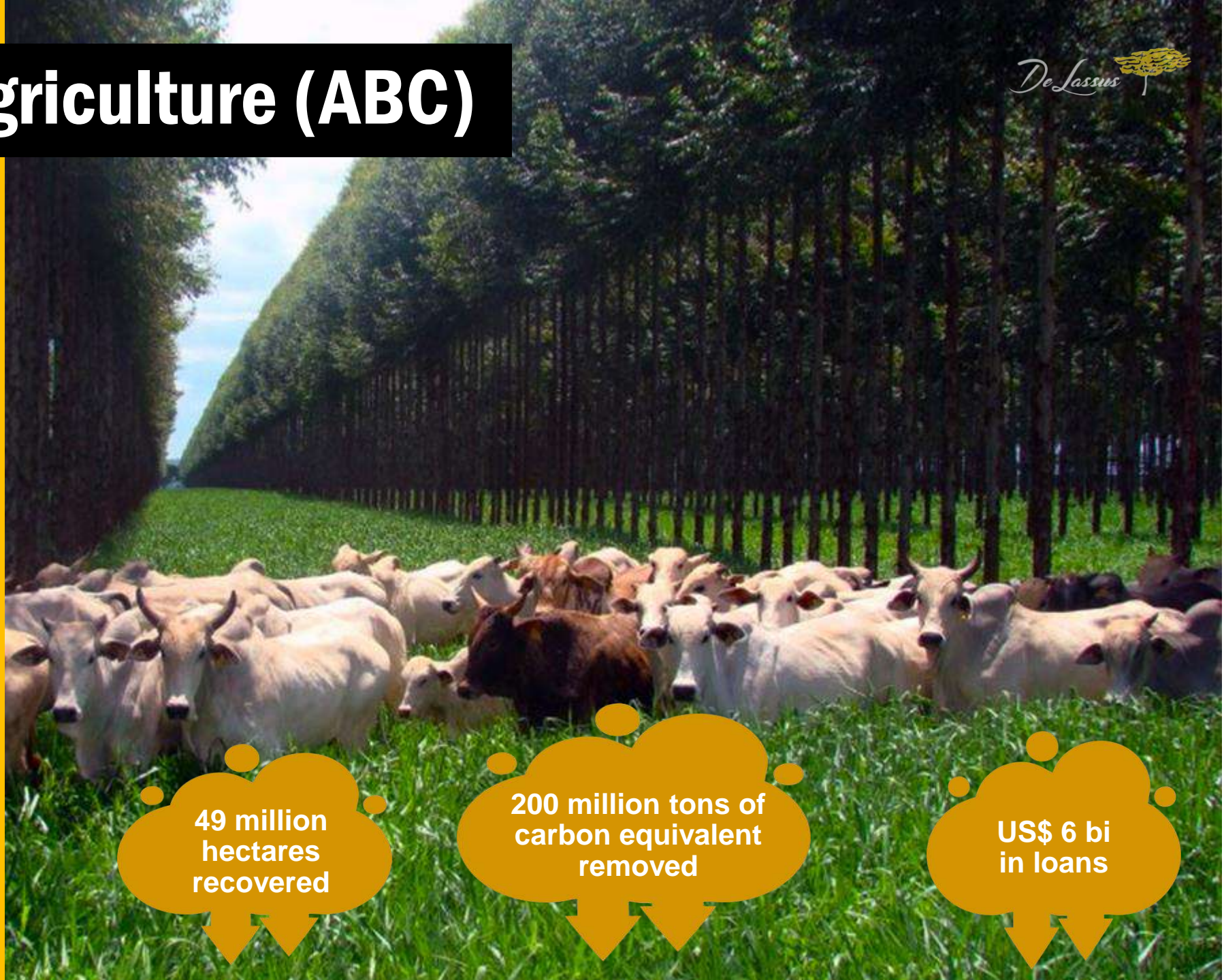
And the country is committed to advancing even further.

In 2009, Brazil launched the ABC Program to hasten the adoption of low-carbon technologies.

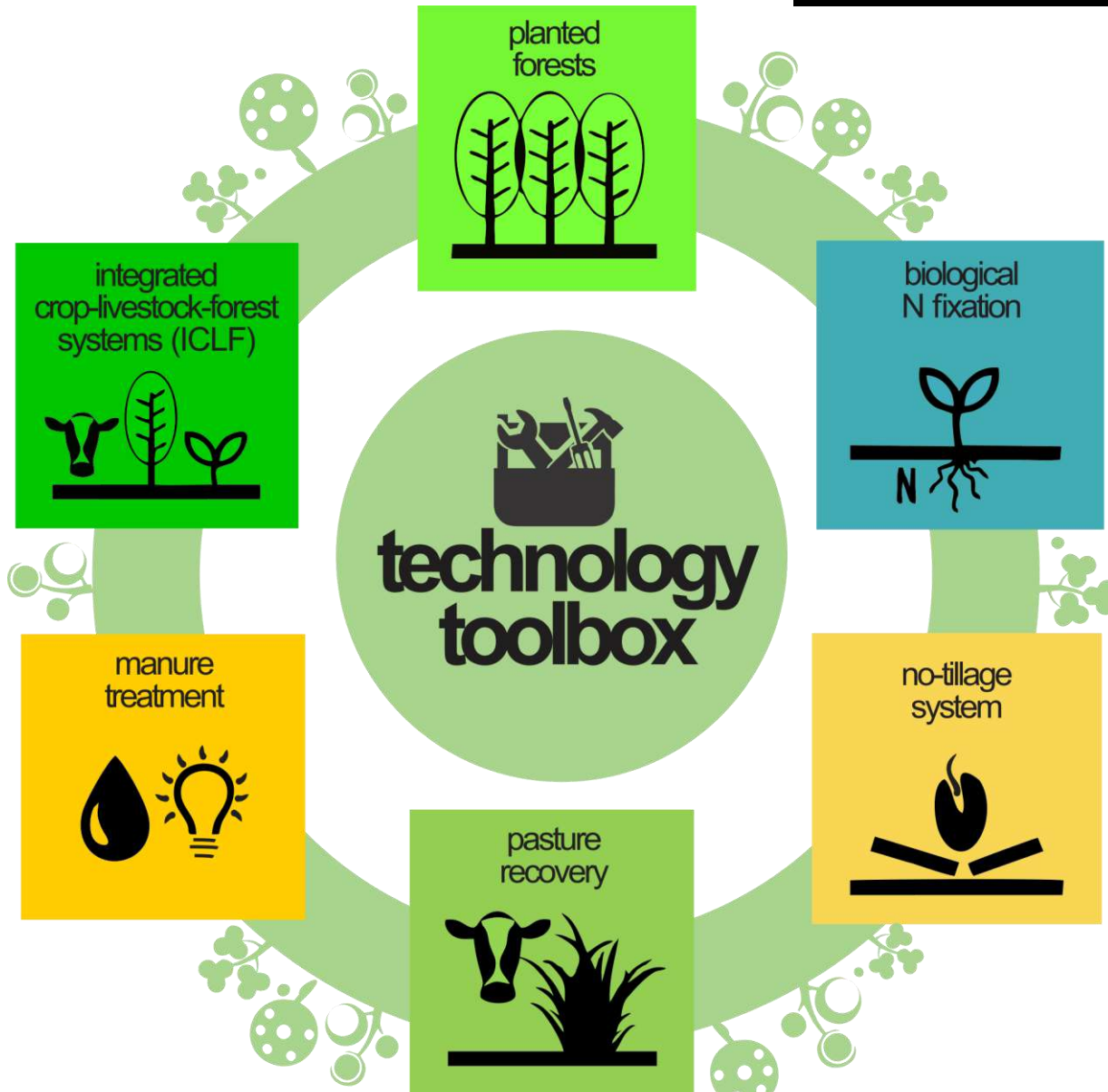
49 million hectares recovered

200 million tons of carbon equivalent removed

US\$ 6 bi in loans



# Low-Carbon Agriculture (ABC)



**resilience**  
**+**  
**sustainability**  
**+**  
**carbon mitigation**



# Low-Carbon Agriculture (ABC)



**1 head / ha**  
**50 kg of beef / ha / year**

**5 head / ha**  
**500 kg of beef / ha / year**



# thanks!



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