



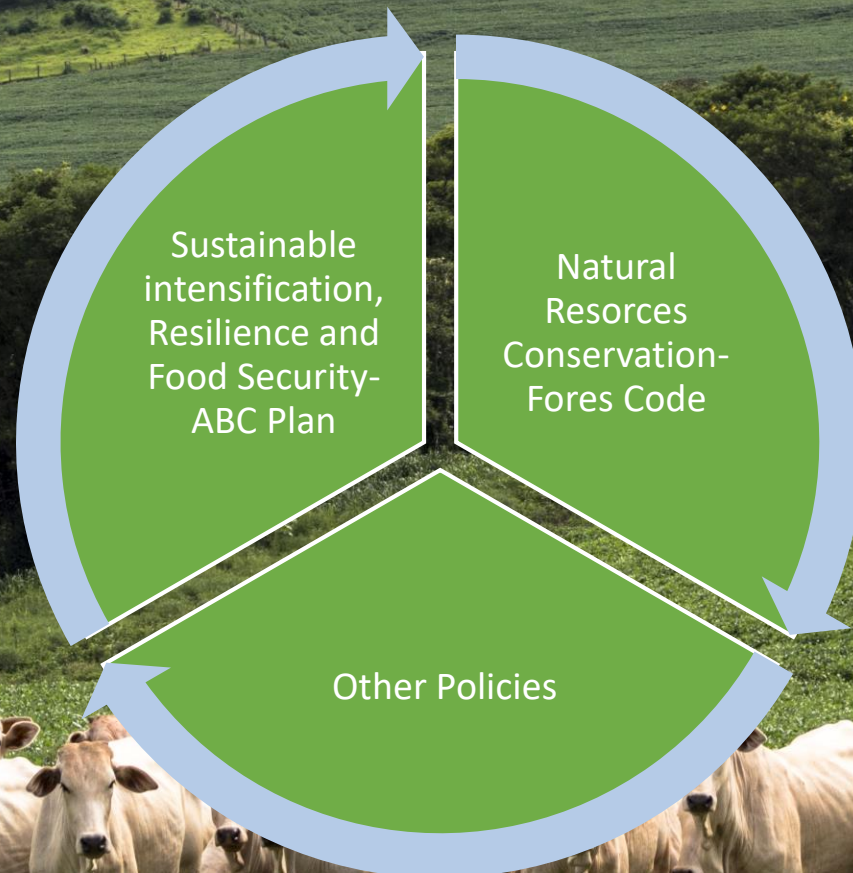
The role of KJWA to promote a Sustainable Agriculture Development for Food Security

Brazilian Lessons Learned

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Integrated Landscape Approach (ILA)

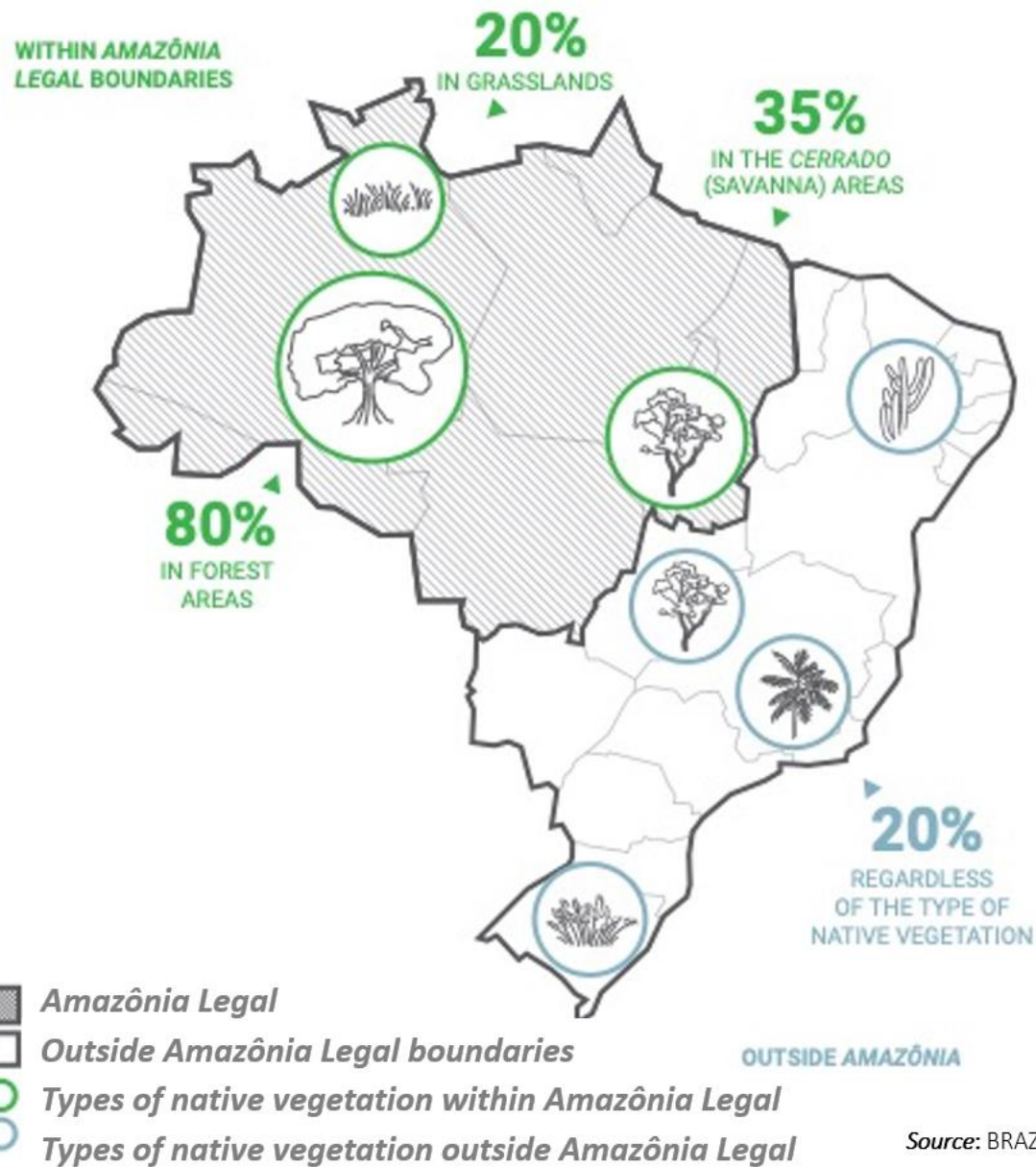


A herd of white cows is grazing in a lush green field. The cows are scattered throughout the scene, some in the foreground and others in the background. The field is filled with tall grass, and there are many trees with green leaves in the background, creating a dense forest-like setting. The lighting is bright, suggesting a sunny day.

ABC Plan

Seven actions programs

50 millions hectares
improved



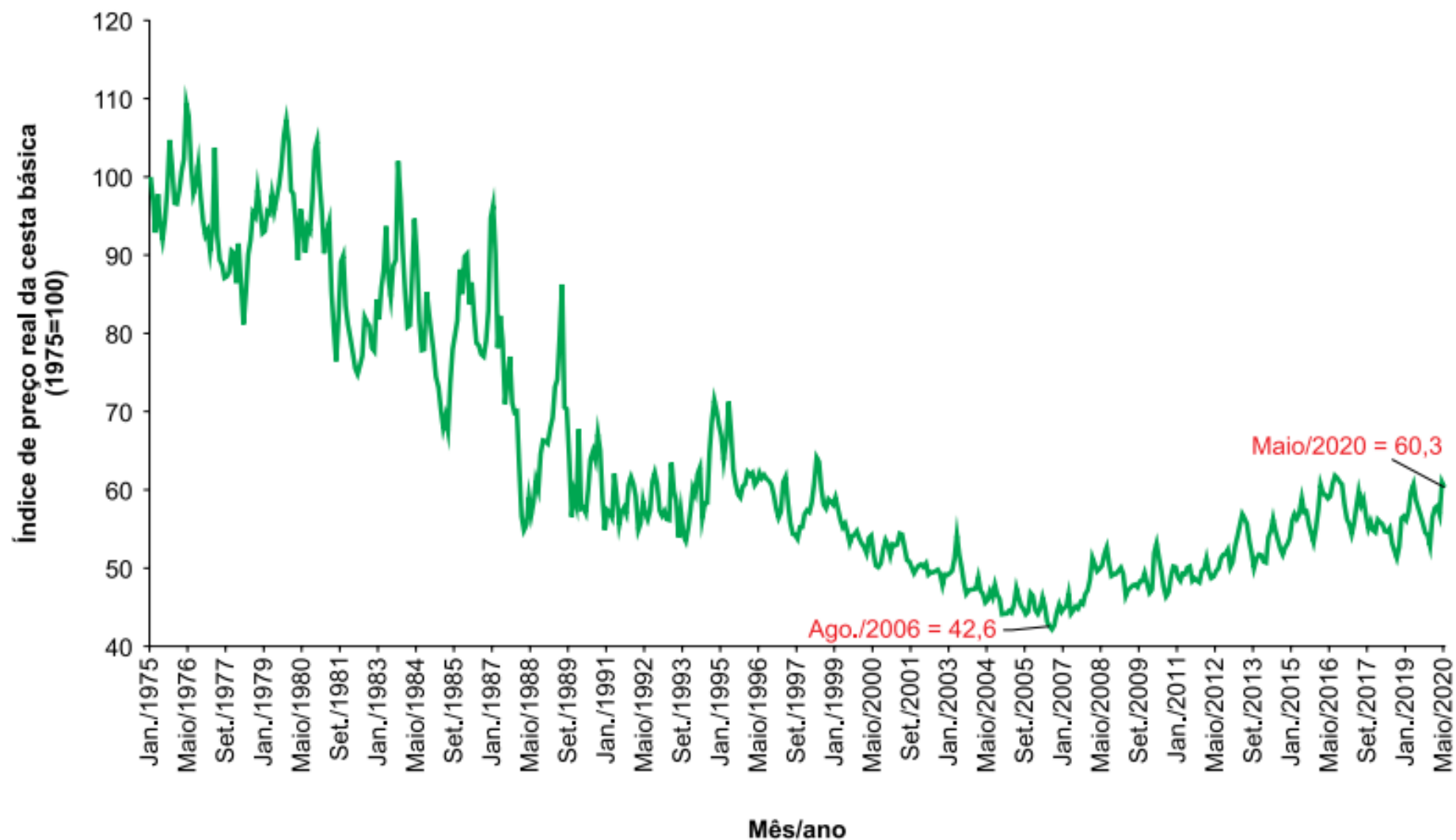
Legal Forest Reserve Percentage Based on Type of Vegetation and Geographical Location

Source: BRAZIL'S NEW FOREST CODE PART I: HOW TO NAVIGATE THE COMPLEXITY - Climate Policy Initiative

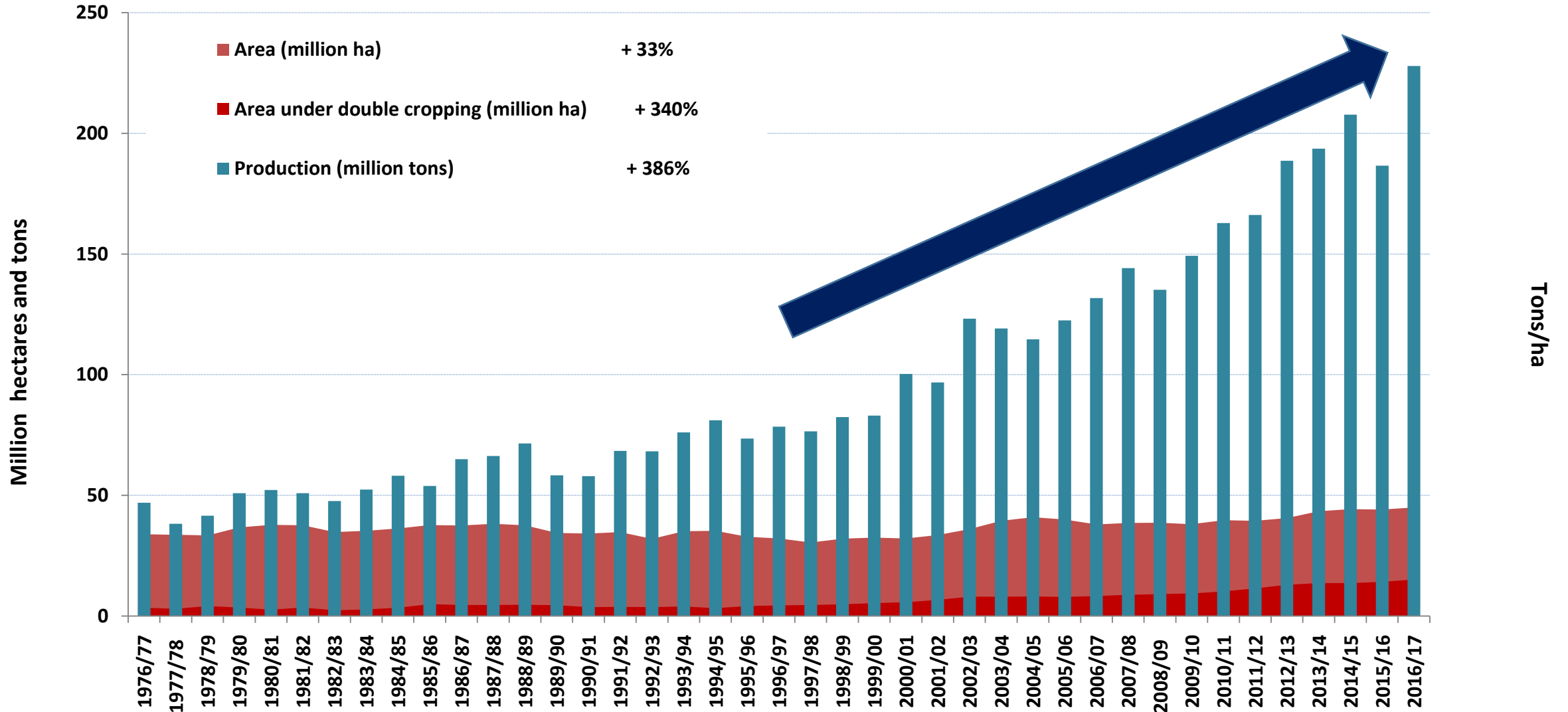


During the 70's and 80's, Brazil imported essential foods

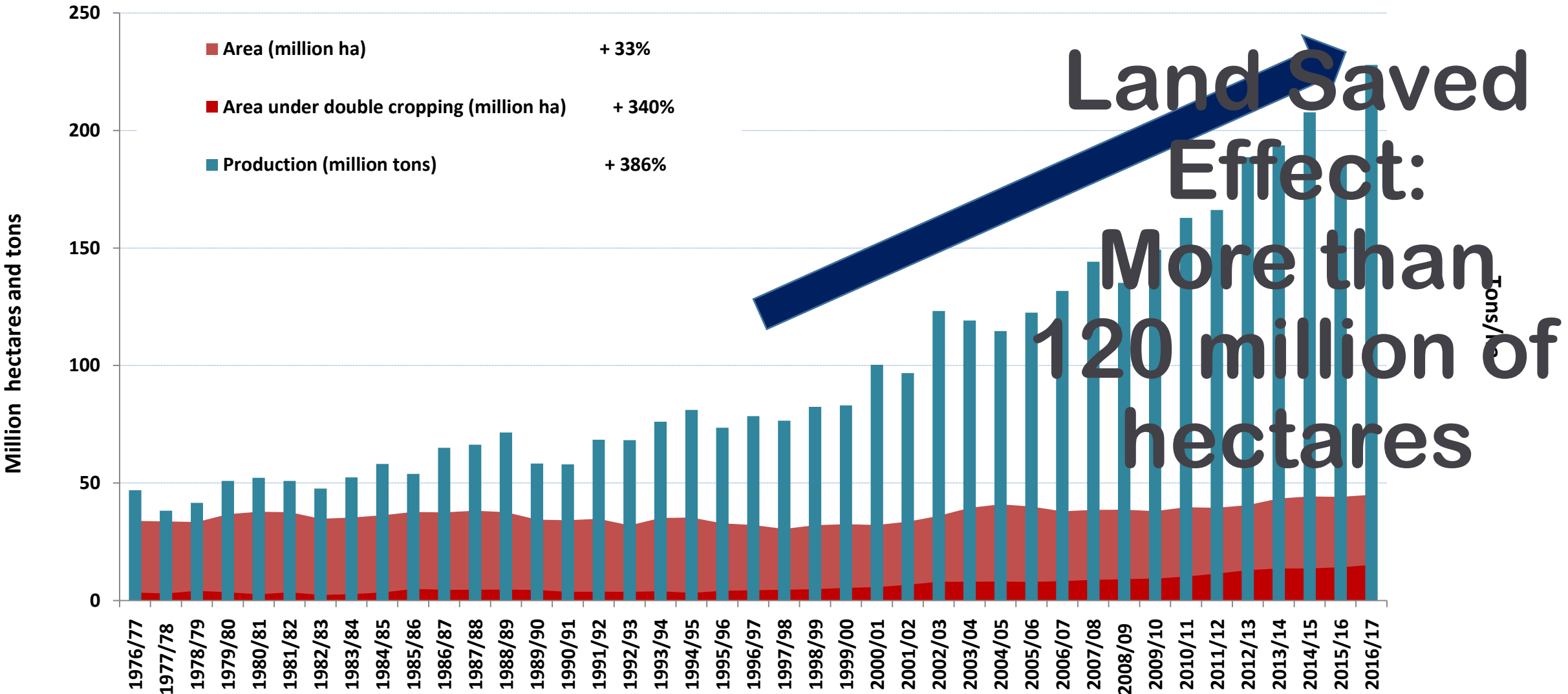
Food Price



Land use and Agriculture Productivity



Land use and Agriculture Productivity



Source: Conab Prepared by: SRI

Brazilian Land Use



Integrated Landscape Approach:

- **Promoting food production with native vegetation conservation on rural properties;**

A photograph of a cornfield. The top half shows a dark grey rectangular box with white text. The bottom half shows a close-up of corn plants with yellow ears and green leaves. The text reads:

ABC Plan - Brazilian National Policy for adaptation and low carbon emission in agriculture



ABC Plan

**This is one of the
largest plans of
sustainable
agriculture with a
focus on low
carbon emissions**



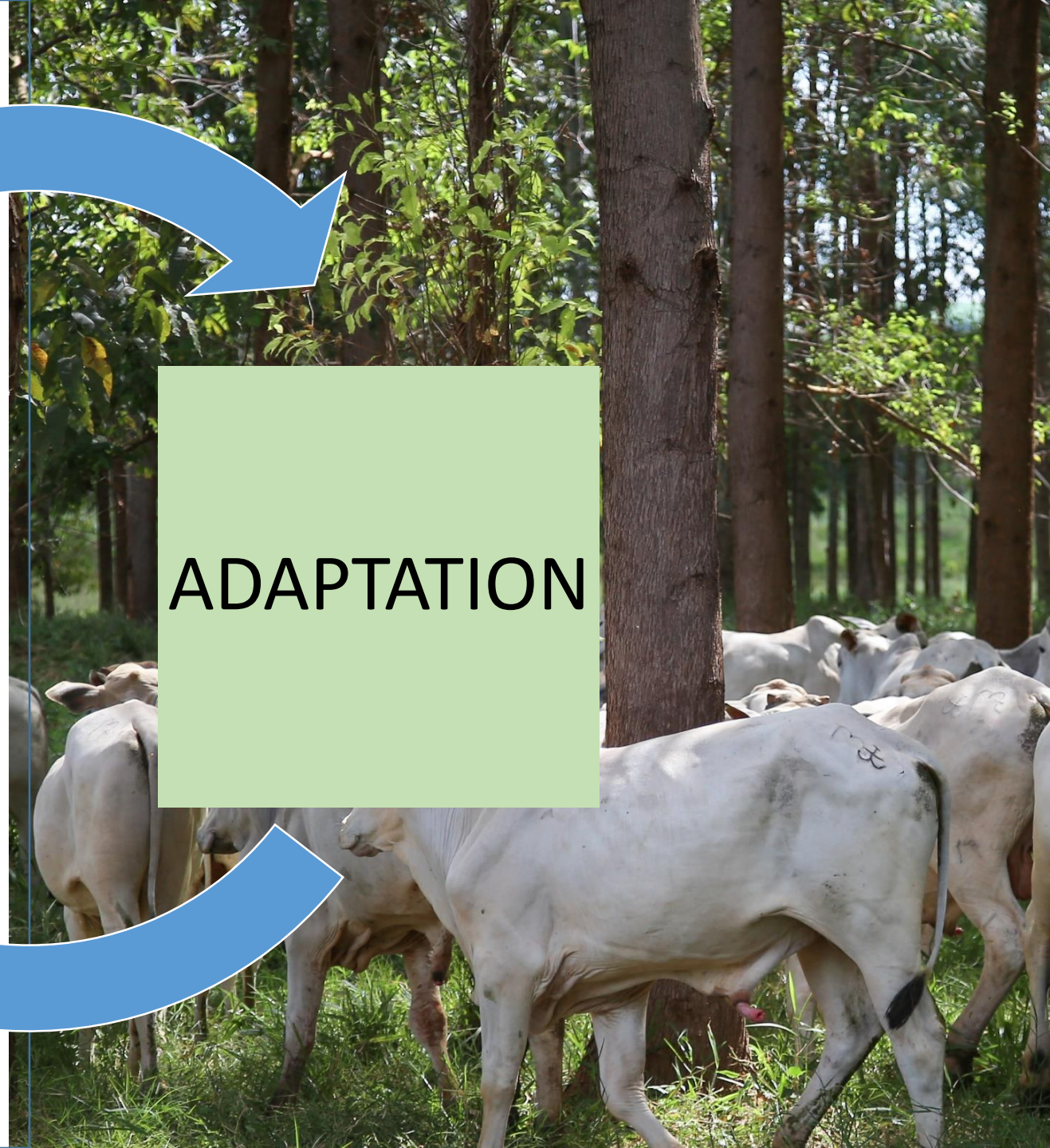
- **Recovery of Degraded Pastures**
- **Integrated Agricultural Systems (Crop-Livestock-Forest) and agroforestry**
- **No-till System**
- **Biological Nitrogen Fixation**
- **Planted Forest**
- **Manure Management and Treatment**



- Recovery of Degraded Pastures
- Integrated Agricultural Systems (C Forest) and
- No-till System
- Biological
- Planted Forest
- Manure Management and Treatment

MITIGATION

ADAPTATION



In less than 10 years, more than 26.8 million hectares of pasture highly degraded were recovered

Through pasture management, genetic improvement of beef and dairy cattle, as well as fiber digestibility, there has been a reduction in emissions per animal.



Recovery of degraded pastures

1 head/ha

50kg/ha/year

5 head/ha

500kg/ha/year

Production data indicates that livestock production must grow in areas already anthropized

Same time of year



Same Area



+
Production

- Finance
Risk

+
Profitability

Cheapest
Food

- Inflation

+ Social
Benefits

+ Environmental
Conservation

Carbon Neutral Brazilian Beef: A New Concept for Sustainable Beef Production in the Tropics.

 Tweetar

 Compartilhar 3



Resumo: Agriculture in Brazil, as well as worldwide, has been striving to meet the increasing demand for food, timber, fibers and bioenergy. While larger production is necessary, restrictions for expansion over natural environments increase. For the Brazilian beef industry, the current trend is towards little increase on herd numbers, despite reduction on grazing areas. This will lead to intensification of sown pastures, optimizing use of inputs, along with improved management, feeding and introduction of technologies like integrated systems. There is also a growing concern from the sector towards environmental preservation and the need for a more efficient use of inputs and natural resources if future demands are to be met. Therefore, agriculture will have to play its role on sustainability, resulting in socio-economic and environmental benefits. Such expectations, especially from the international community, offer additional opportunity for the Brazilian beef chain. To add value on ex-ports, some aspects must be addressed. For instance, animal welfare, water and soil conservation, while mitigating greenhouse gases emissions (GHG). The last one through carbon sequestration can become an

<https://www.embrapa.br/busca-de-publicacoes/-/publicacao/1080610/carbon-neutral-brazilian-beef-a-new-concept-for-sustainable-beef-production-in-the-tropics>



RenovaBio





The Next 10 Years of Adaptation and Mitigation Agriculture Plan

- **Brazil is revising their adaptation agricultural policy for 2021 to 2031;**
 - **Priority will focus on Integrated Landscape Approach;**
 - **Adaptation and emission control;**
 - **Fostering Food Security;**
-
- **Brazil's government will continue to provide farmers with efficient tools and scientific-based technology to produce food with sustainability, feeding the world, and adapting to the adverse of the climatic changes.**



Thank you!

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