



Sustainable Development and Efficient Improvement of the Brazilian Agriculture & Agricultural Sector Communication Needs

Xico Graziano

Nov. 18th, 2019

5 Key Questions about AGRO in Brazil



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CCAB. Nov. 18th, 2019

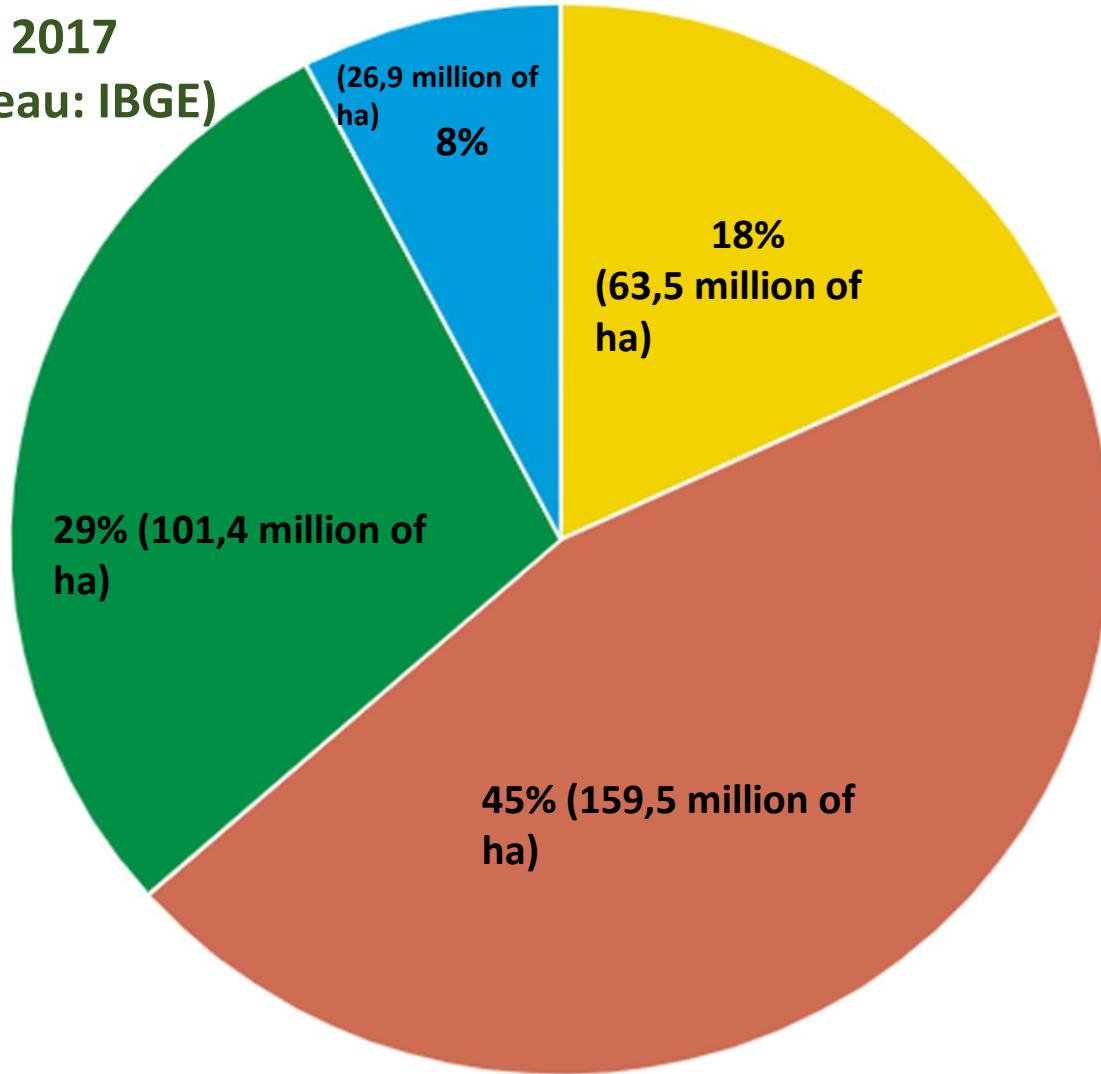




A large, vibrant green field of crops stretches across the foreground and middle ground. The sky above is a clear, pale blue with wispy, white clouds. In the distance, a low horizon line is visible, suggesting a flat landscape or a distant town.

1. Exploration of Agriculture and Livestock in Brazil

Agro & Livestock census 2017
(National Statistical Bureau: IBGE)



Pasture + agriculture=
26,2% of Brazil

Total Area of the Rural Properties: 351,3 million of ha (41,3% of Brazil)



Crop



Pasture

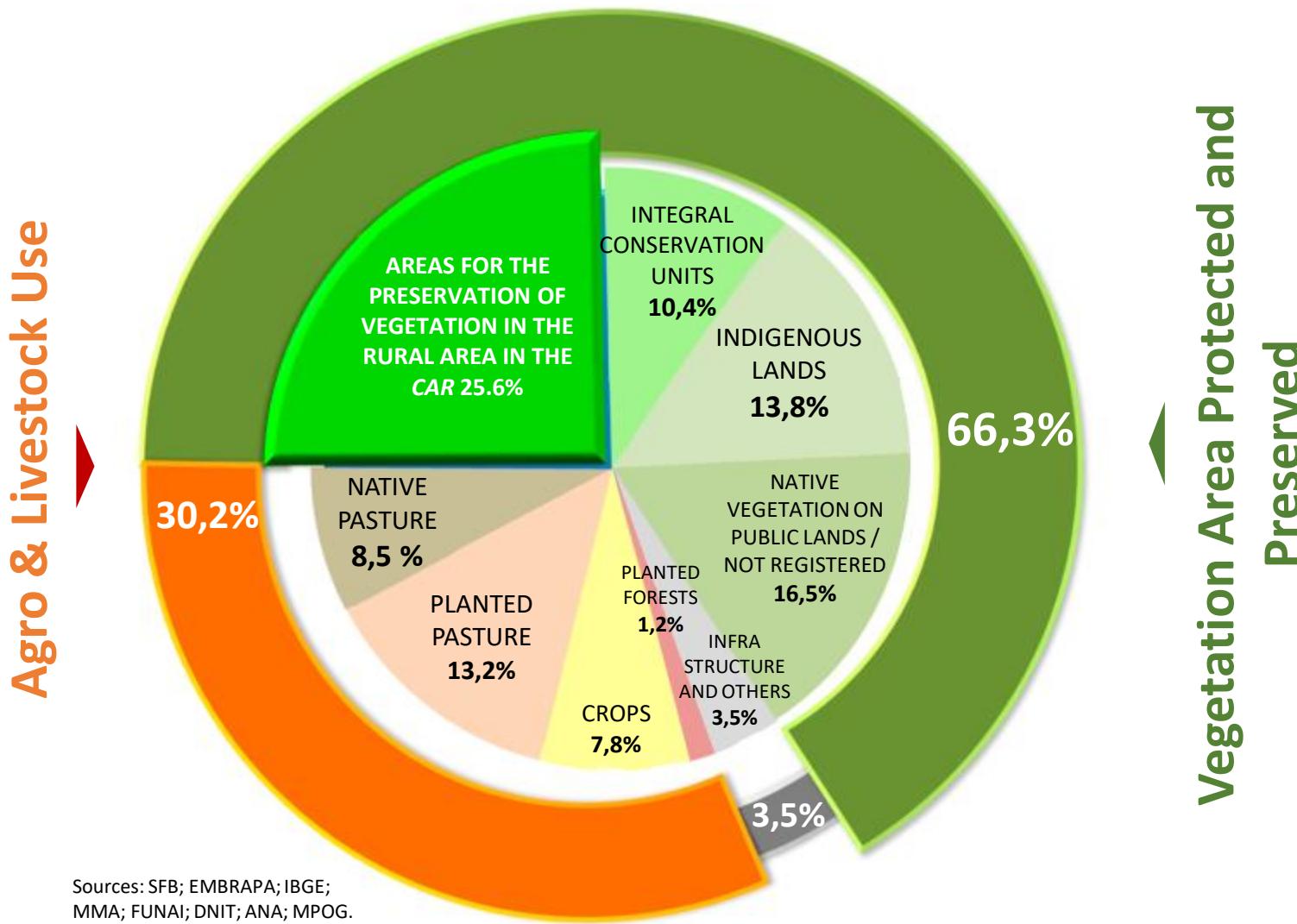


Forest



Others

Use (%) of Land in Brazil





**2. Exploration of
Agriculture & Livestock in
Amazonia**

353,3 MILLION OF HECTARES OF NATIVE VEGETATION

84,1% OF THE AMAZONIA BIOME

- █ NATIVE VEGETATION (84,1%)
- █ WATER – LARGE WATER SURFACES (2,1%)
- █ EXPLORED AREAS (13,8%)



Amazonia Biome

4,2 million Km²
(49,4% Brasil)

Legal Amazonia

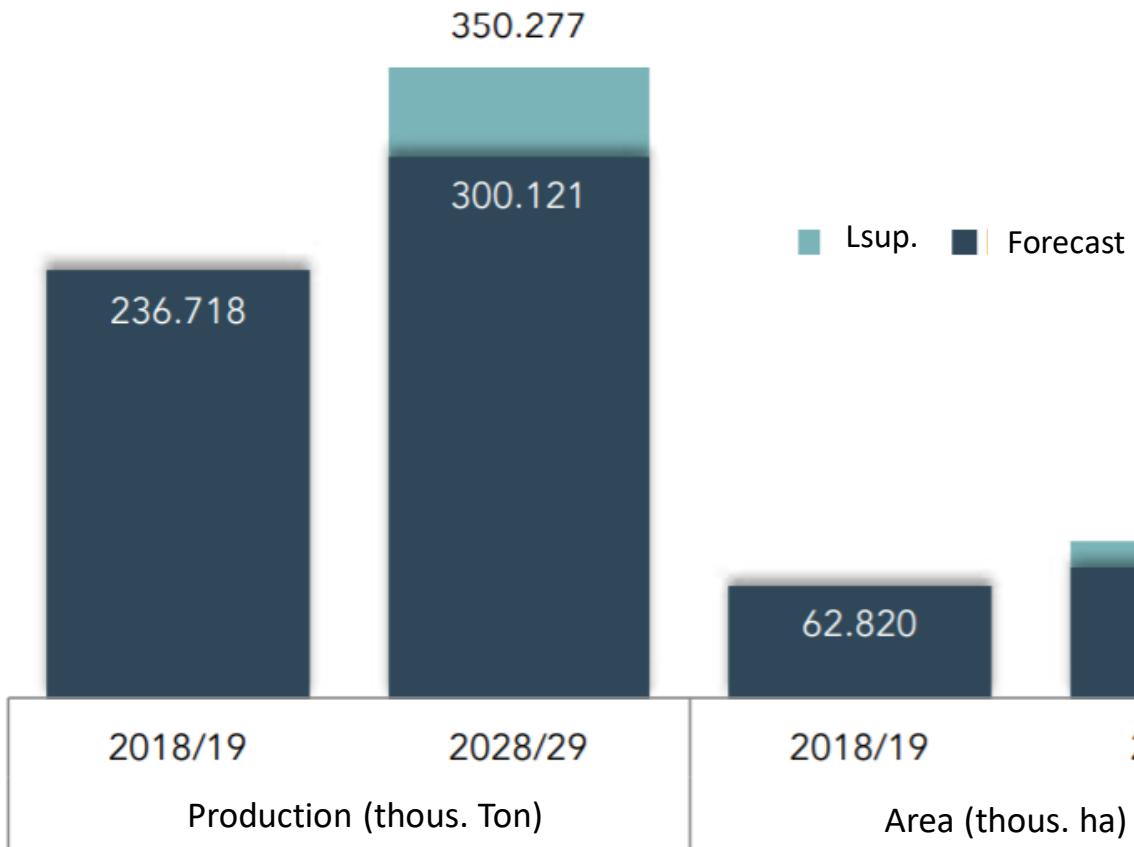
5,2 million Km²
(61,2 % Brazil)



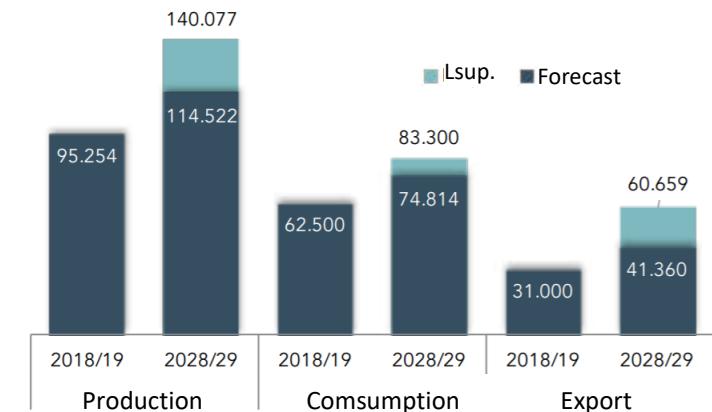
A wide-angle photograph of a lush green agricultural field, likely corn, stretching to a distant horizon under a bright blue sky dotted with wispy white clouds.

3. Growth potential of the Brazilian Agro

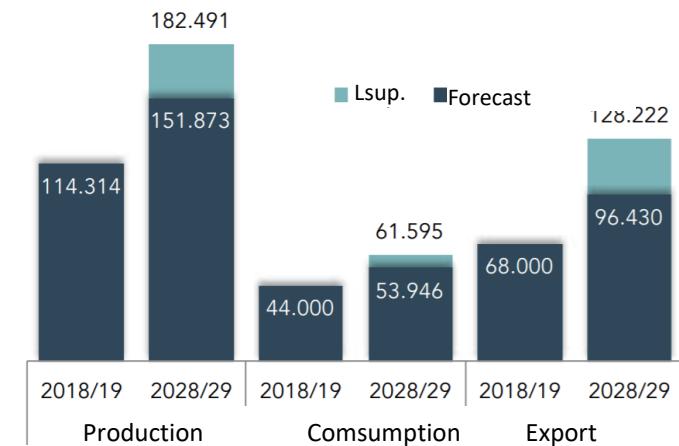
PRODUCTION AND PLANTED AREA OF GRAINS



PRODUCTION, CONSUMPTION AND EXPORT OF MAIZE (thous. ton.)

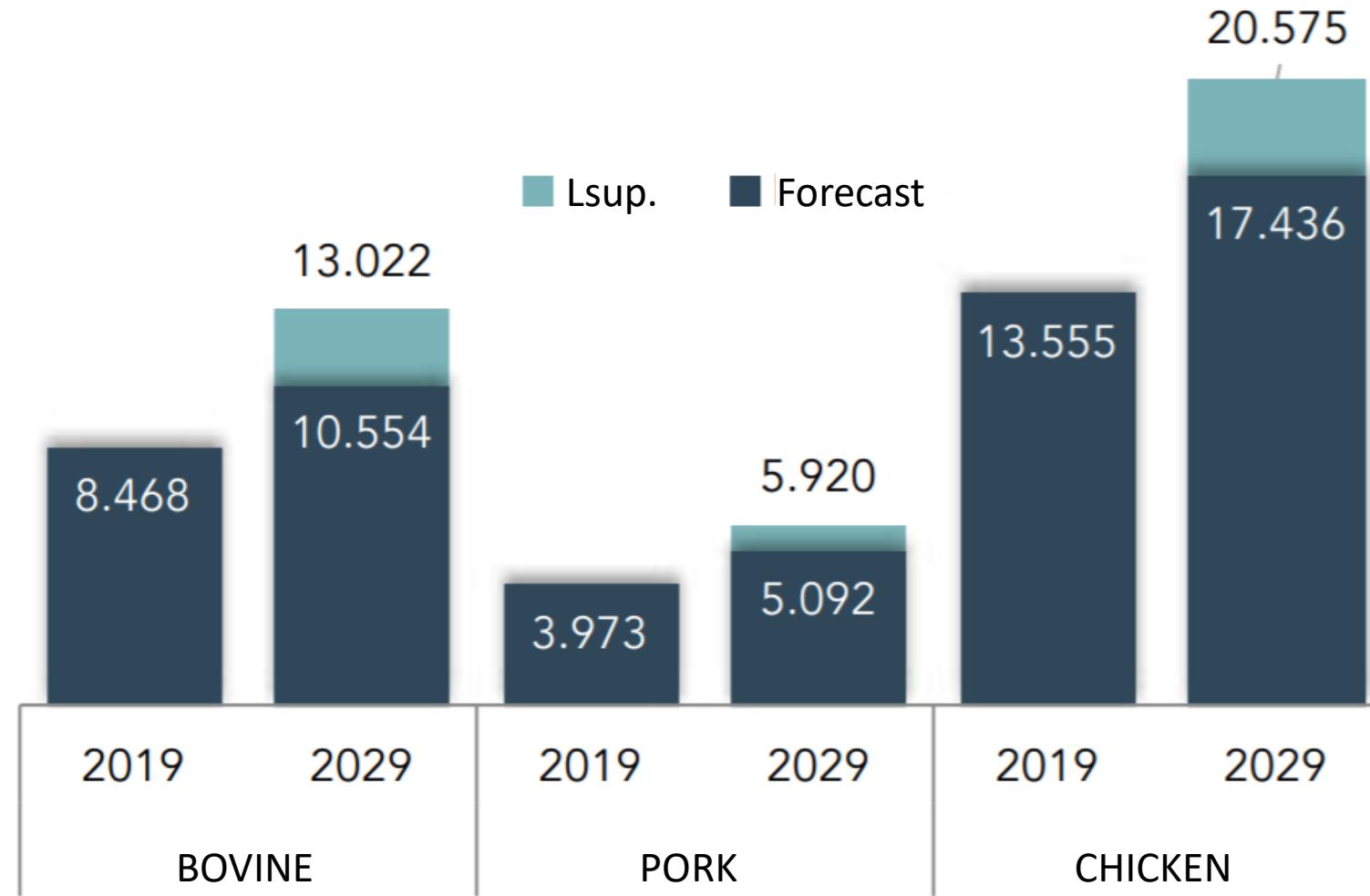


PRODUCTION, CONSUMPTION AND EXPORT OF SOYBEANS (thous. ton.)



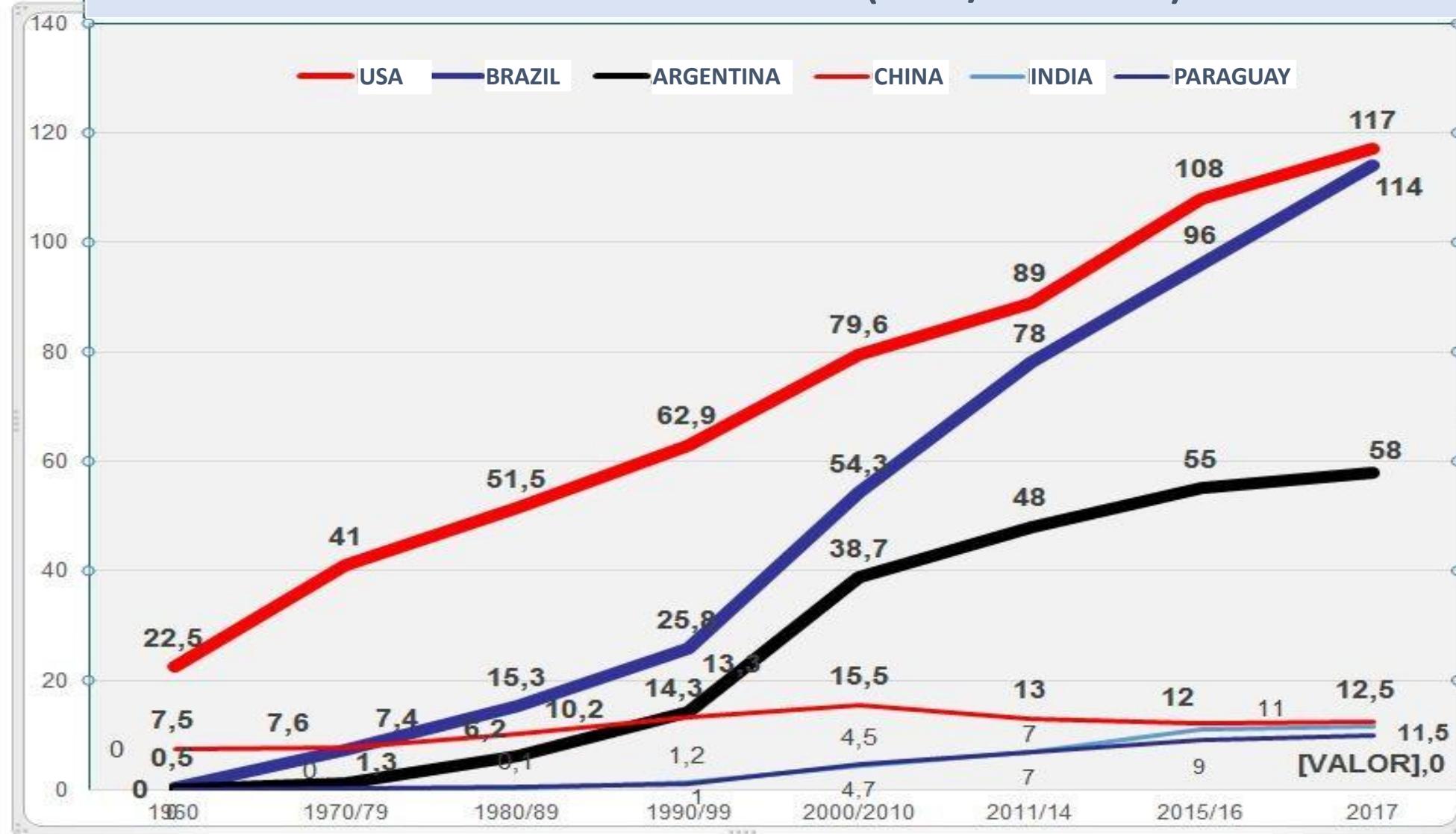
SOURCE: CGAPI/DFI/SPA/MAPA and SIRE/EMBRAPA

MEAT PRODUCTION (Thousd. Ton.)



SOURCE: CGAPI/DFI/SPA/MAPA and SIRE/EMBRAPA

LARGE GLOBAL PRODUCERS OF SOYBEANS (1960/2017 – Mt)



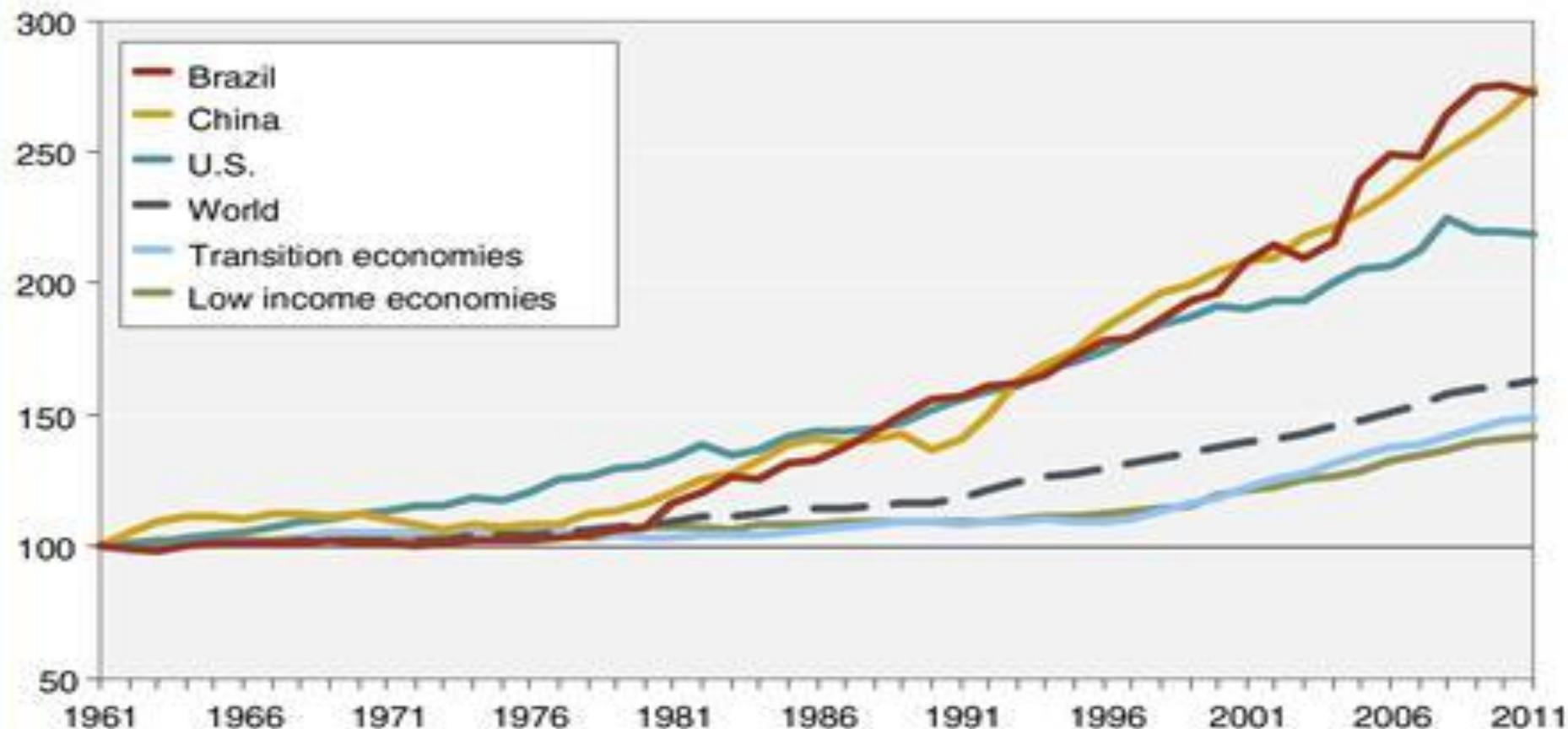
Source: Agrolink Consulting

The background of the image is a wide, lush green agricultural field, likely corn, stretching to a distant horizon under a bright blue sky dotted with wispy white clouds.

4. Brazilian Agro Productivity

Agricultural productivity (measured as total factor productivity) growth for selected countries/country groups, 1961-2011

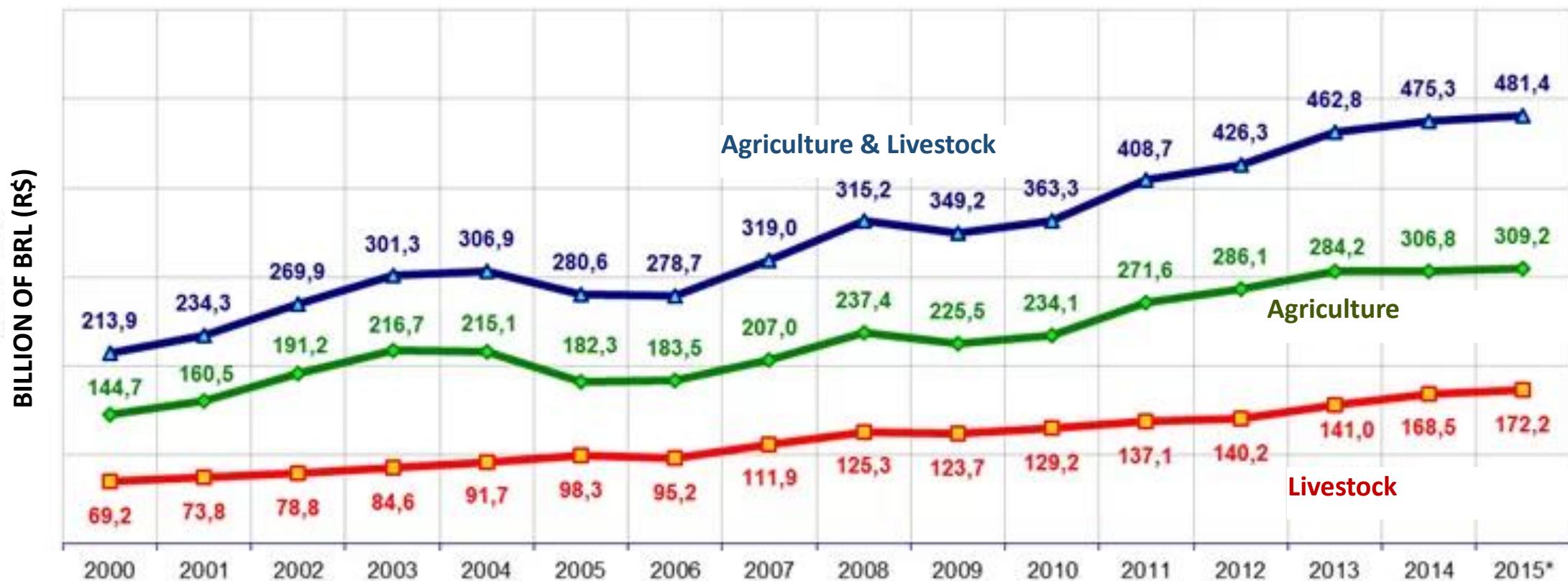
Index (1961 = 100)



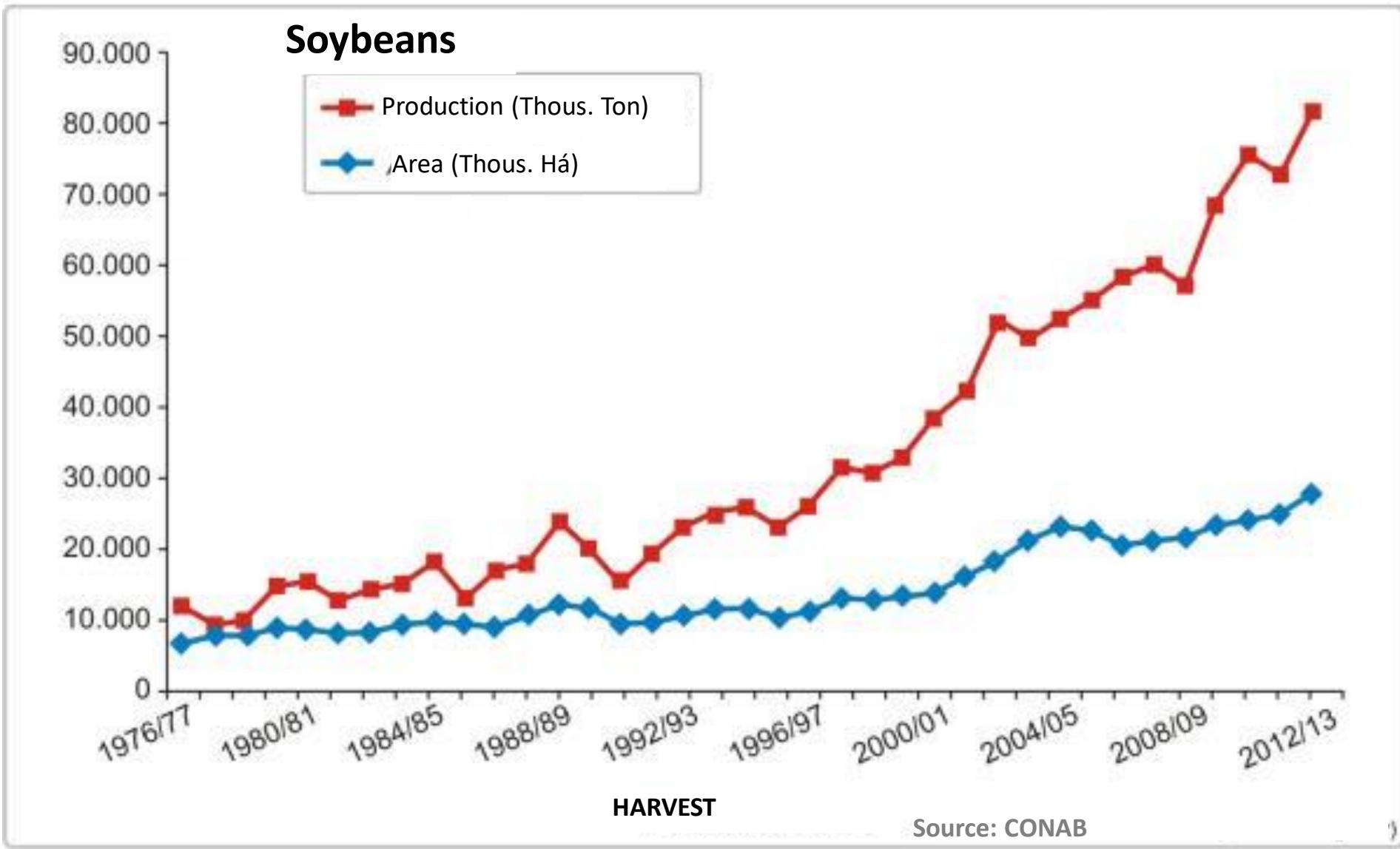
Note: Total factory productivity (TFP) takes into account all of the land, labor, capital, and material resources employed in farm production and compares them with the total amount of crop/livestock output. If total output is growing faster than total inputs, we call this an improvement in TFP.

Source: USDA, Economic Research Service, International Agricultural Productivity data product.

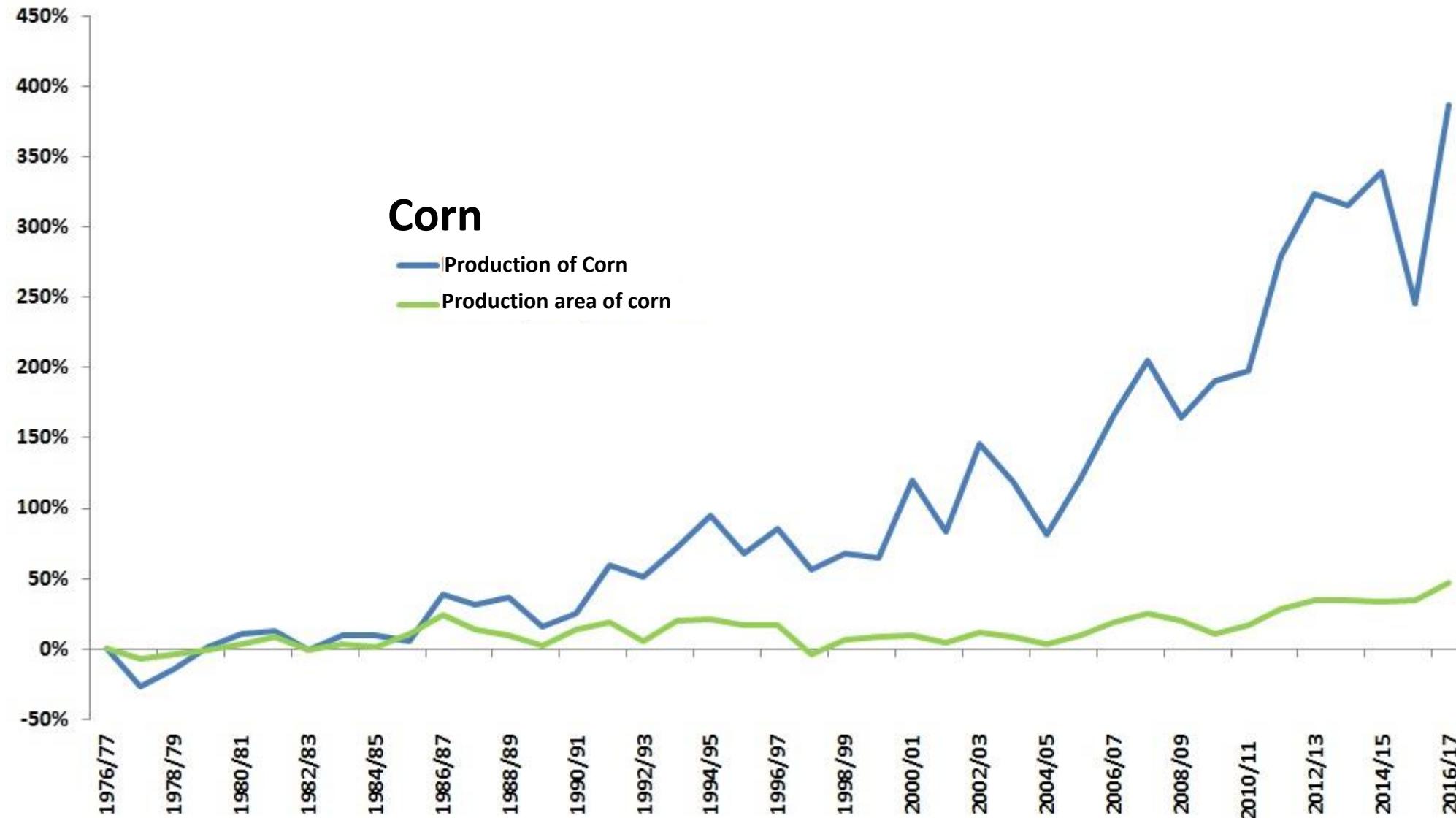
BRAZIL: GROSS VALUE OF AGRICULTURAL PRODUCTION



Source: IBGE/FGVDADOS/CEPEA/Esalq/USP/Conab. Done by SPA/MAPA



ACCUMULATED PERCENTAGE EVOLUTION OF PRODUCTION AND CULTIVATED AREA OF CORN, IN THE LAST 40 YEARS





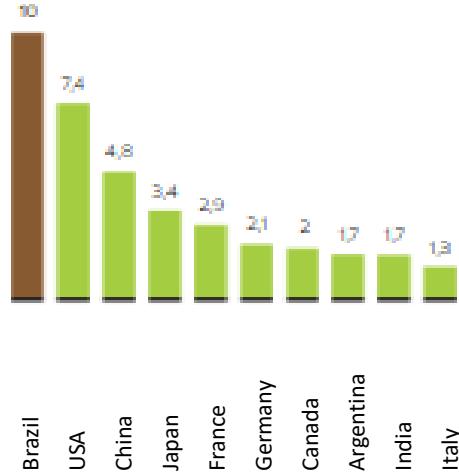
A large, vibrant green agricultural field stretches across the horizon under a clear blue sky dotted with wispy white clouds. The field is composed of numerous small, uniform plants arranged in distinct rows, creating a textured pattern across the landscape.

5. Pesticide usage in the Brazilian Agro

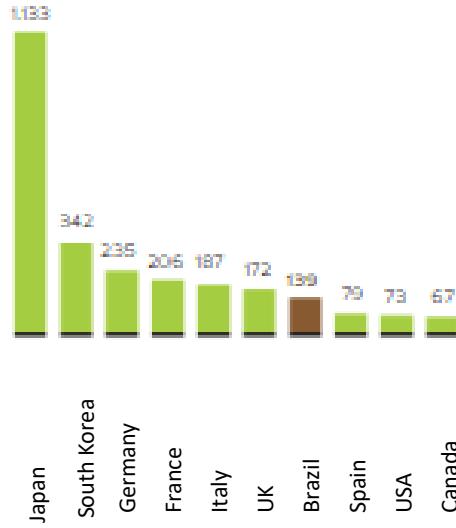
Pesticides in the World

A comparison of usage in Brazil and in the major global markets, in 2013

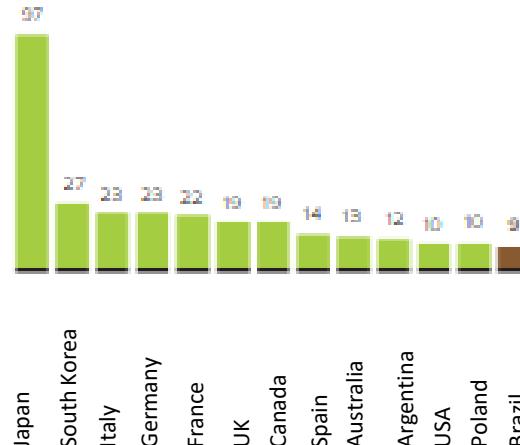
Main Consumers
IN US\$ Billion



Pesticide per Cultivated Area
IN US\$/ha

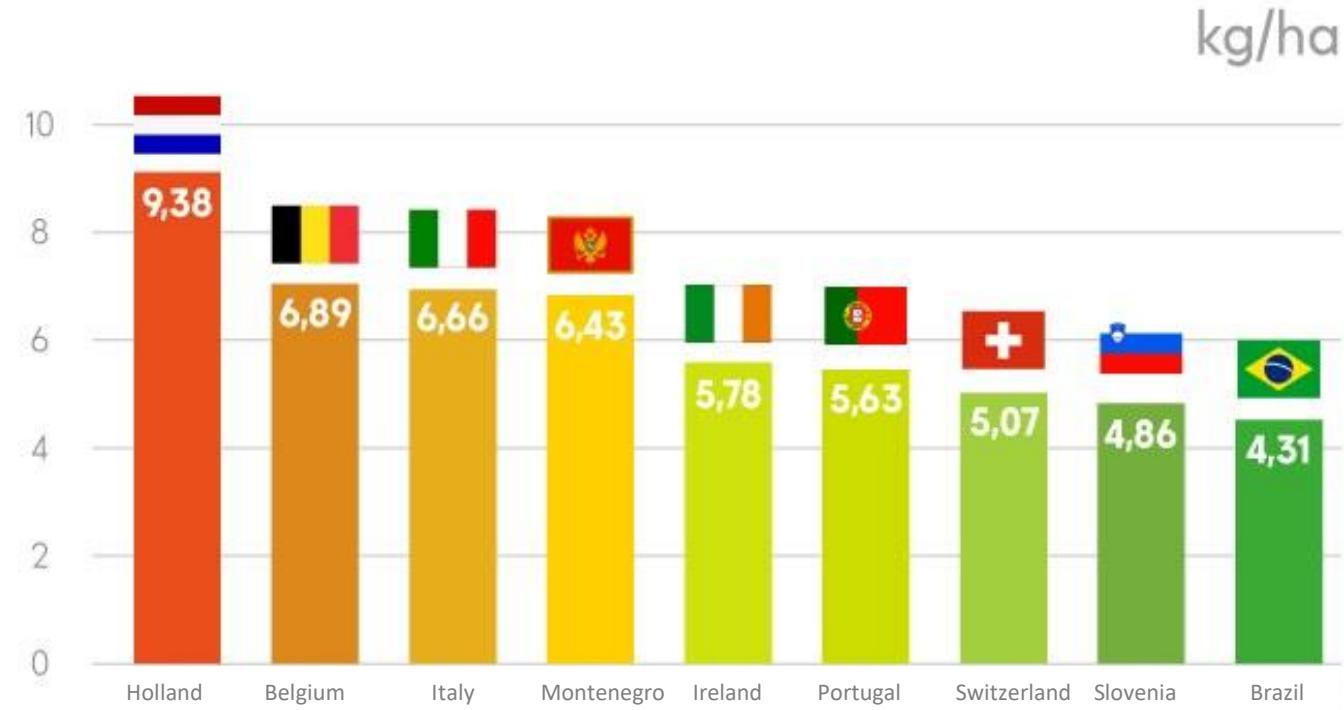


Agrochemicals per Agricultural Production
In US\$/ton



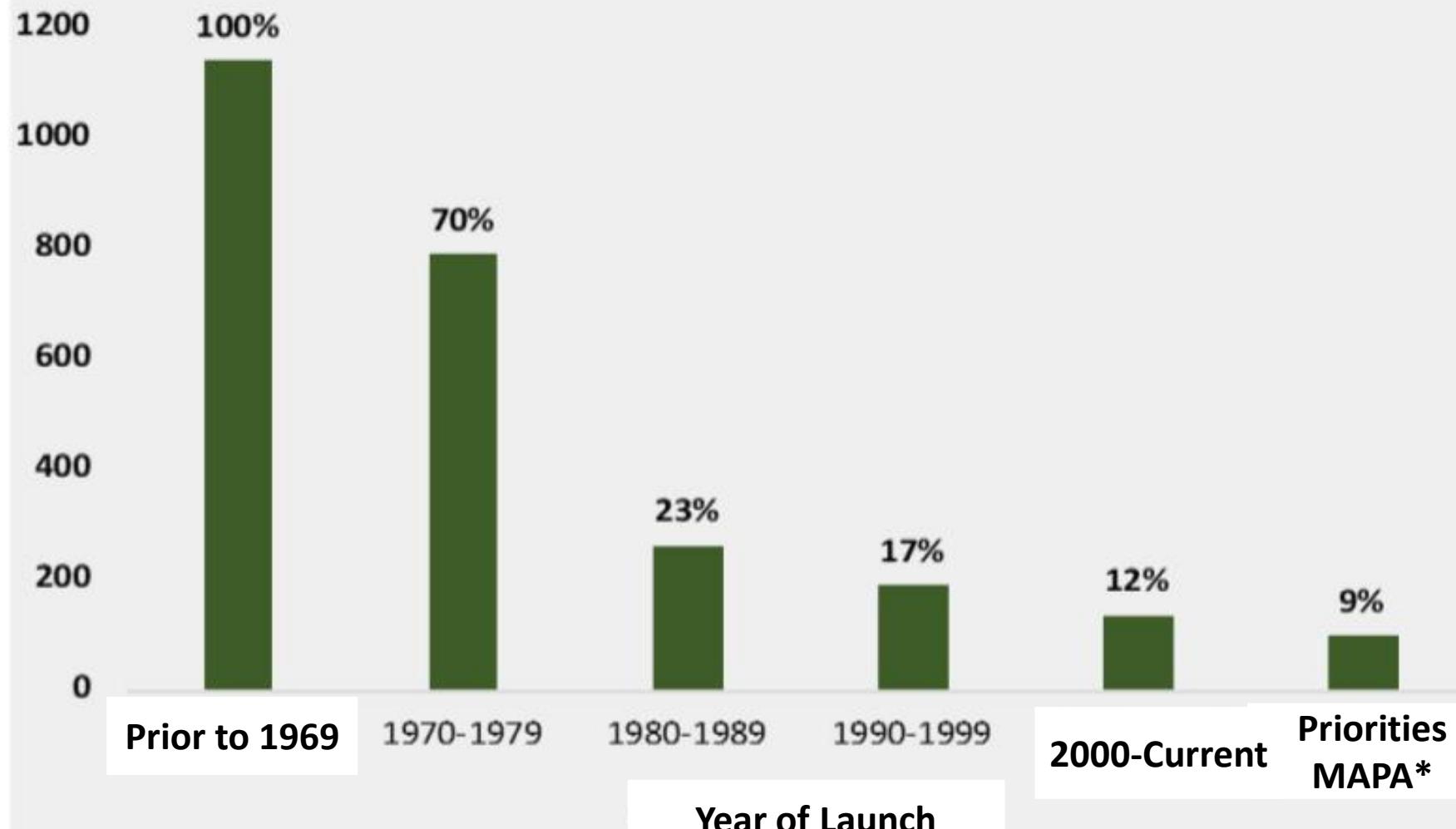
Sources: EDIVALDO VELNI AND CAIO CARBONARI FROM UNESP, BASED ON THE DATA OF FAO AND THE CONSULTING FIRM PHILLIPS MCDOUGALL

Ranking of FAO about the usage of pesticides per cultivated hectare



Source: FAO

Average Dose (g/ha)



*Ministry of Agriculture, Livestock and Sourcing

Source: Caio Carbonari/UNESP-Botucatu

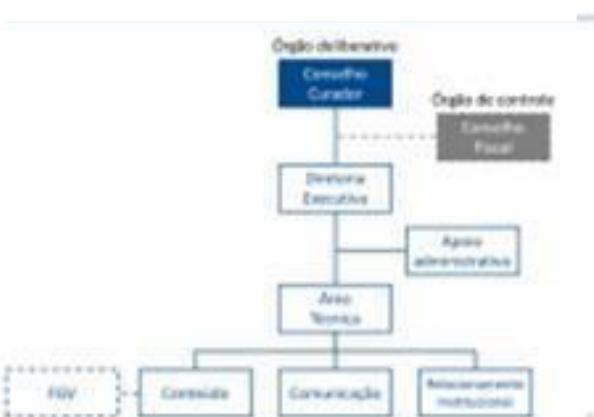
Communication Needs

We need internationally renowned non-Brazilian ambassadors to talk about what we are doing!

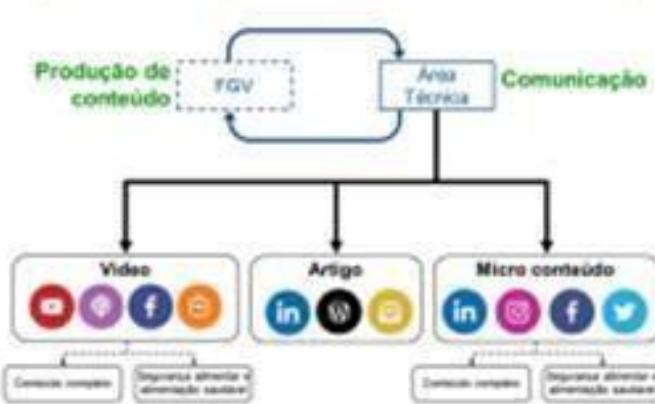
New Law Proposal - PL 6299



Proposal of Organization



Content and Communication

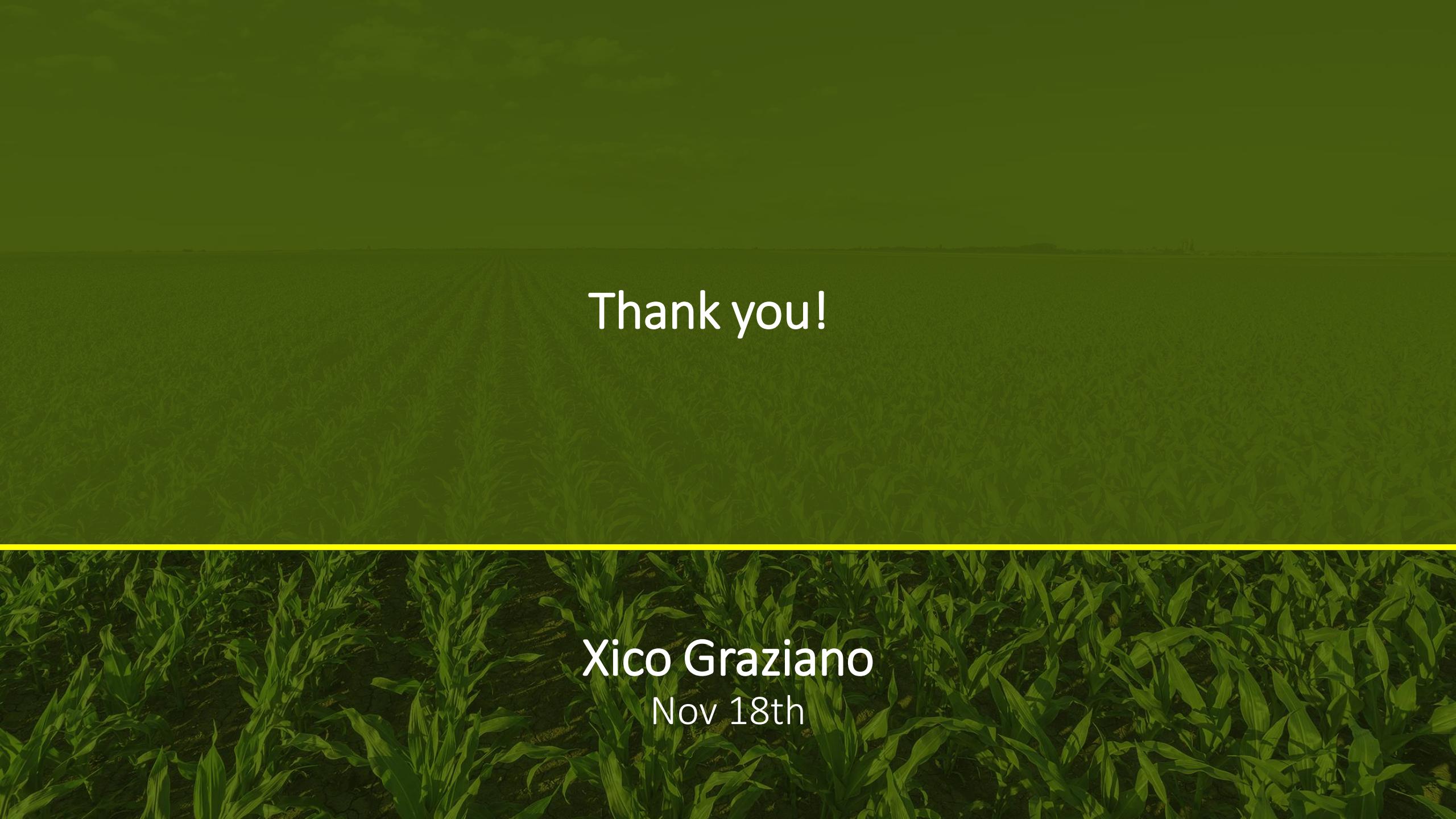




Brazilian Melon, you can trust!

We follow strict requirements of food safety!

We DO Practice SUSTAINABLE AGRICULTURE

A wide-angle photograph of a vast, green agricultural field, likely corn, stretching to a distant horizon under a clear blue sky.

Thank you!

Xico Graziano
Nov 18th