FGV STUDY

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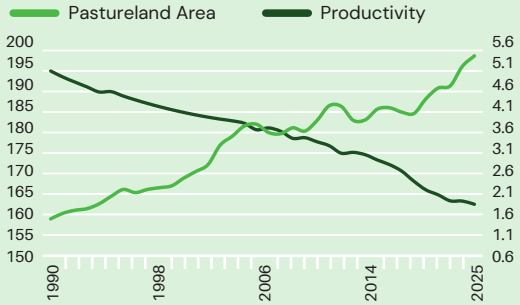
Beef cattle farming has already been using technologies and practices that increase efficiency:

- Pasture area dropped by **18%** (last 34 years)
- Productivity increased by **183%** (arrobas per ha/yr)

EVOLUTION IN BRAZIL

Million ha; arrobas/ha/yr



Source: Athenagro, data from IBGE (PPM, PPT, PAM, Censo), INPE (Terraclass/Prodes), Lapig, Rally da Pecuária, Embrapa

MORE BULLS PER AREA

Pasture recovery management and integrated systems allow more animals to be produced in the same area unit

MORE BEEF PER BULL

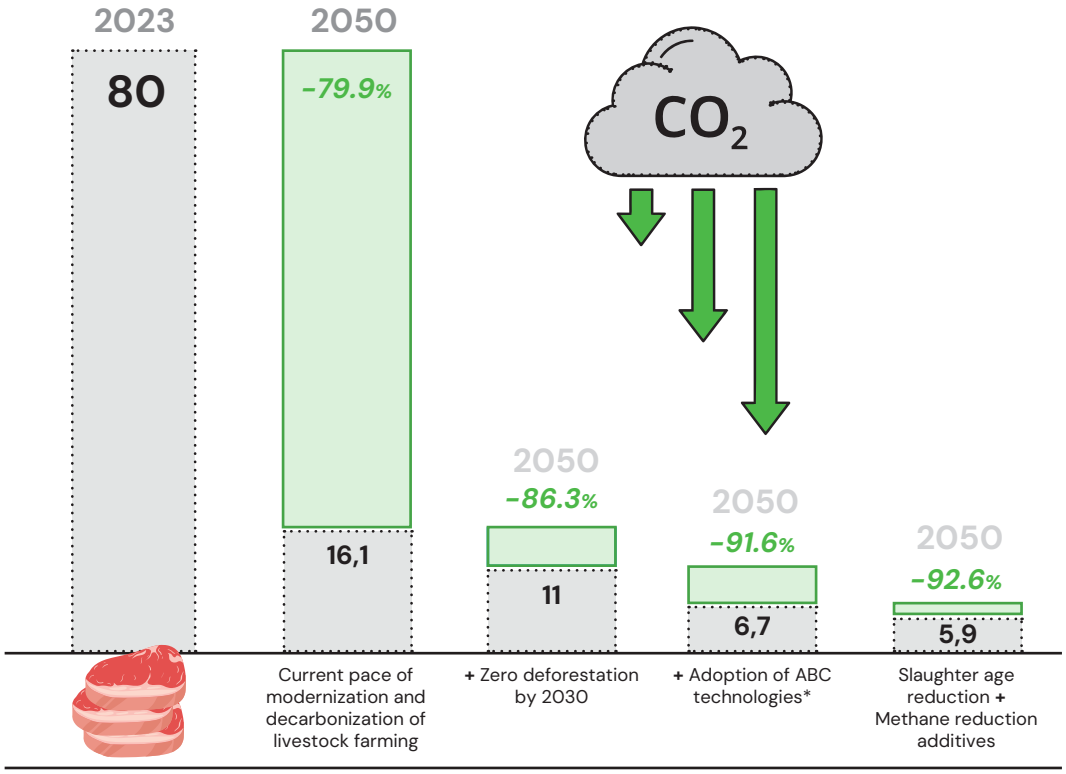
Genetic improvement, nutritional supplementation, animal welfare and health practices allow more meat to be produced per animal

Modern Brazilian beef cattle farming will cause emissions to fall by at least 79.9% by 2050

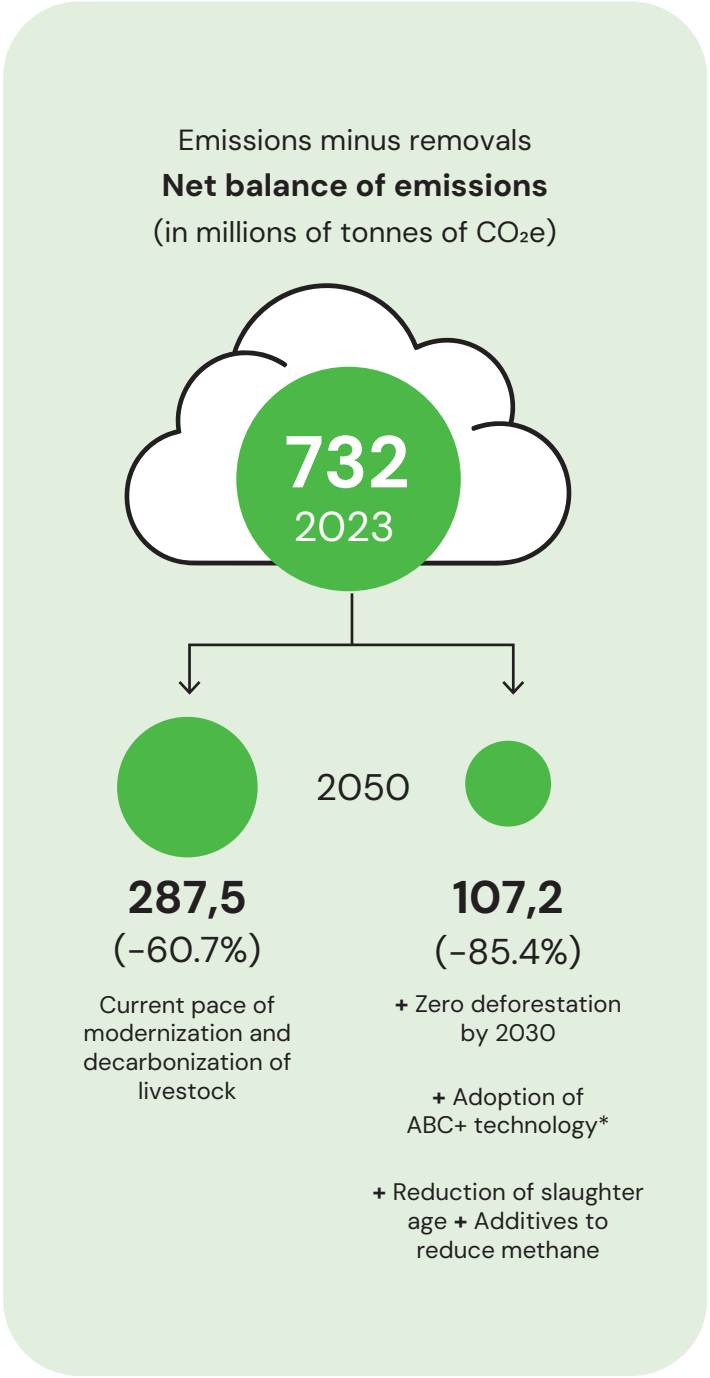
How livestock farming will positively contribute to the climate agenda

REDUCING EMISSIONS TO PRODUCE BEEF

Kg of CO_2e to produce 1 kg of meat (carcass)



* The ABC+ Plan (Sector Plan for Adaptation to Climate Change and Low Carbon Emission in Agriculture – 2020-2030)



Brazilian livestock has a central role in the climate agenda — and huge potential to contribute to decarbonisation and free up space in Brazil's NDC targets

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Methodology

The study uses geoanalysis and economic modeling, connecting land use to the productive and environmental performance of livestock. The main innovation is the pixel-by-pixel approach, which allows identifying where deforestation occurred and more accurately attributing emissions to sectors, combined with the use of a global economic model that projects scenarios of production, productivity, and emissions by 2050 under different mitigation strategies.

brazilian beef

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MINISTRY OF DEVELOPMENT, INDUSTRY, TRADE AND SERVICES

BRAZILIAN GOVERNMENT
BRASIL
STANDING WITH THE BRAZILIAN PEOPLE

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