

## Decoupling Of Deforestation And Soy Production In The

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### Decoupling Of Deforestation And Soy

This decoupling of soy production from deforestation is a departure from trends during the first half of the decade, when deforestation tracked changes in soy and cattle production . Whereas the first half of the decade contradicts the hypothesis that intensification inevitably leads to land sparing, the latter half suggests that in certain contexts it can.

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### (PDF) Decoupling of Deforestation and Soy Production in ...

Declining deforestation coincided with a collapse of commodity markets and implementation of policy measures to reduce deforestation. Soybean profitability has since increased to pre-2006 levels whereas deforestation continued to decline, suggesting that antideforestation measures may have influenced the agricultural sector.

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Post-deforestation land use analysis using MODIS indicated a sharp decrease in deforestation for soy production, which they attribute in part to SoyM. The present study contributes to the pursuit of policy-relevant research on agriculture and deforestation dynamics in the Amazon using remotely-sensed satellite data and GIS analyses.

### Soy moratorium impacts on soybean and deforestation ...

Decoupling of Deforestation and Soy Production in the Southern Amazon During the Late 2000s By Gillian L. Galford, Yosio E. Shimabukuro, Douglas C. Morton, Marcia N. Macedo, Claudia M. Stickler and Ruth S. DeFries

### Decoupling of Deforestation and Soy Production in the ...

The increase in production of soy, if not decoupled from deforestation, can have a significant negative impact on climate and biodiversity. It is estimated that in 2017 soy imports into China were associated with 6.5 million tons of CO 2 emissions linked to deforestation for soy expansion in the Amazon and Cerrado. This represents 43% of all CO 2

### DECOUPLING CHINA'S SOY IMPORTS FROM DEFORESTATION DRIVEN ...

Decoupling of Deforestation and Soy Production in the Southern Amazon During the Late 2000s From 2006-2010 deforestation in the Amazon frontier state of Mato Grosso decreased to 30% of its historical average (1996-2005) while agricultural production reached an all time high, achieving the

oft-cited objective of increasing production while maintaining forest cover.

### **NASA Technical Reports Server (NTRS)**

In the 2000s, soy production, in combination with cattle ranching, has resulted in high rates of deforestation in the Brazilian Amazon, which reached an average rate of 1,950,000 ha cleared per year from 1996 to 2005. Forestland is generally first cleared for cattle ranching, and pastures are in turn replaced by soy farms.

### **Soy Agriculture | Global Forest Atlas**

The future of soy production and the Amazon forests depends largely on intensification: what are the limits of water and fertilizer use, and can effective governance prevent deforestation linked to soy in countries outside of Brazil. Numerous NGOs work on sustainable and deforestation free soy production. A recent article in Science describes soy supply chains and the slowdown in deforestation.

### **Soy Agriculture in the Amazon Basin | Global Forest Atlas**

Cattle ranching and soy expansion constitute the major drivers of deforestation, both through direct conversion and indirectly by land use displacement. However, deforestation rates decreased significantly after the implementation of the action plan to prevent and control deforestation in 2004.

### **Policy change, land use, and agriculture: The case of soy ...**

New research by university and NASA scientists suggests that deforestation of the Amazon for soy production has declined under the moratorium. However, as the moratorium was only applicable to the Brazilian Amazon, a very different scenario has been playing out in neighboring savanna-woodland areas known as Brazil's Cerrado.

### **Soybeans in the Brazilian Cerrado**

The Soy Moratorium was the first agreement in the tropical forest, signed by major agro-business traders (e.g., three companies, Cargill, ADM, and Bunge, control more than 60% of finance, production, and trading of soybean in Brazil) to stop purchasing soybean grown on lands deforested after July 2006.

### **Spillover effect offsets the conservation effort in the Amazon**

Deforested land is used predominantly to produce meat for distal consumption either through cattle ranching or soya bean for livestock feed. Deforestation declined dramatically in the latter part of the decade through a combination of market forces, policies, enforcement and improved monitoring.

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