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Determining CO₂ emissions and storages in a commercial bamboo plantation

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Abstract

This work aims to quantify emissions and storages of CO₂ in a commercial bamboo plantation using a CO₂ eq. mass balance. The species of bamboo examined in this work is *Bambusa vulgaris*, the main bamboo species cultivated in northeastern Brazil.

Labor inputs were not taken into account as they do not emit CO₂.

In both sceneries considered in this study to perform the CO₂ balance, and the CO₂ captured in the bamboo plantation exceeded that emitted.

Keywords: CO₂, commercial bamboo plantation, CO₂ emissions and storages.
