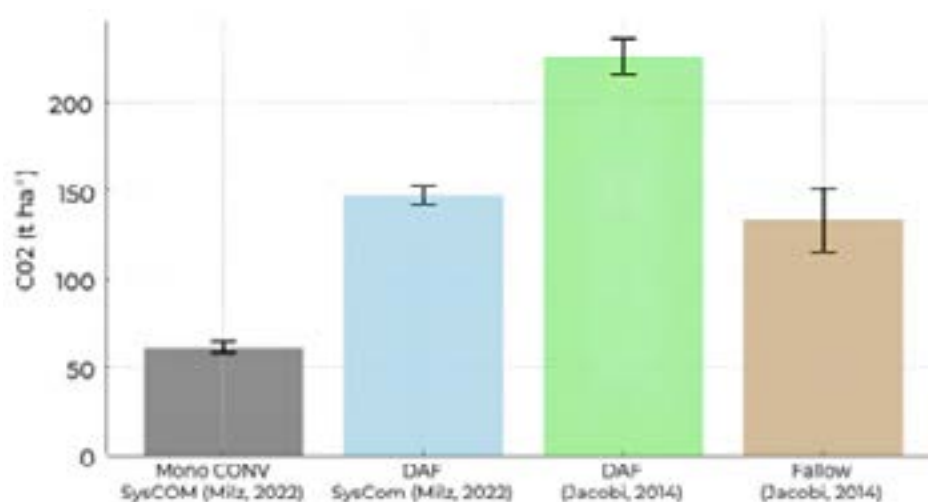


Carbon Sequestration in DAF

ECOTOP offers CO₂ insetting within Scope 3 emissions, leveraging Dynamic Agroforestry Systems (DAF) that can outperform secondary forests in terms of carbon sequestration rates.

Comparative CO₂ Sequestration by Aboveground Standing Biomass Across Different Systems at Age 14.



How is pruning related to carbon and does it improve nutrient stocks?

In DAF, which involve high planting densities of biomass trees and mother trees, regular pruning (coppiced just above the cocoa canopy) is practiced. This not only stimulates tree growth but also produces significant amounts of biomass (7-11.8 t C ha⁻¹) (Milz, 2022; Jacobi et al., 2014).

Research indicates that pruning residues and the frequency of mulching in DAF positively influence nutrient stocks (Steinfeld et al., 2023; Schneidewind et al., 2019).



Photo: Marco Piccuci / FiBL



Scope 3 Carbon Insetting

We prioritize adhering to certifiers' methodologies and undergo third-party audits to ensure compliance with standard requirements. This approach streamlines processes, reducing bureaucratic overhead and expenses, and makes CO2 insetting more cost-effective for businesses. Consequently, companies can not only sustainably renew their plantations but also significantly enhance their carbon footprint management.

How does it work?

