

LAND USE INTENSIFICATION

Banerjee et al. 2022

Intensive land practices reduce the diversity and complexity of microbiomes and negatively influence beneficial microorganisms in roots and soils.



In numbers...

Increase of:

- **500%** of cultivated land worldwide in the past five decades
- **700%** in fertilizer use
- more than **40%** of agrochemicals
- **1.2 millions** of active pesticide ingredients used annually



Did you know that...?

Pesticide residues have impact on microbial biomass and impair the nutrient uptake of beneficial mycorrhizal fungi.

Synthetic pesticides can be detected in soils even after 20 years of organic management!

