

Agroforestry's Impact to Endemic Frogs

Source: TH

A recent study by the **Nature Conservation Foundation (NCF-India)** and the **Bombay Environmental Action Group (BEAG)** assessed the impact of **agroforestry** on **endemic frog** species in the northern **Western Ghats.**

- Findings of the Study: <u>Amphibian</u> diversity was lowest in paddy fields; abundance was least in orchards compared to undisturbed plateaus.
 - Endemic species like CEPF burrowing frog (Minervarya cepfi) and Goan fejervarya (Minervarya gomantaki) were less abundant in modified habitats.
 - Generalist species like *Minervarya syhadrensis* were more common in <u>paddy</u> fields indicating habitat-driven shifts.
- Western Ghats: Western Ghats, made up of lateritic plateaus (flat-topped landscapes rich in iron and aluminum) were formed millions of years ago through volcanic activity.
 - It is a biodiversity <u>hotspot</u> and home to around **252 amphibian species**, including 226 frogs.
 - However, globally, 40.7% of amphibian species (8,011 species) are threatened due to habitat destruction, pollution, climate change, and diseases like chytridiomycosis.



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