

Improving the efficiency of a biocontrol agent in the context of global change

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Context: In the « Integrative biology of bacteria-insects-entomopathogenic nematodes interactions" (BIBINE) team, our bacterial models are pathogenic to a broad range of insects while maintaining a mutualistic relationship in the gut of entomopathogenic nematodes (EPNs). These nematobacterial complexes are used as biocontrol agents against insect pests of crops. In a global warming context, insect pests will likely invade new geographical areas.

Increasing our knowledge on the efficiency of these EPNs against insect pests at higher temperatures should improve their use as biocontrol agents in the future.



Natural infestation

Natural infestation

Aim: Deciphering the behaviour of the EPN complex in a global warming context



sciences", "Earth and water under Global Change", "modeling biological and environmental systems"



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