

ClipsMicro

Climate proof soils by steering soil and residue microbiomes



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I want to use this course to think critically about the applied side of my research

Aim

- Improve soil quality in sandy Dutch soils
- Increasing carbon sequestration
- Lowering GHG emissions
- Securing crop yields

Approach

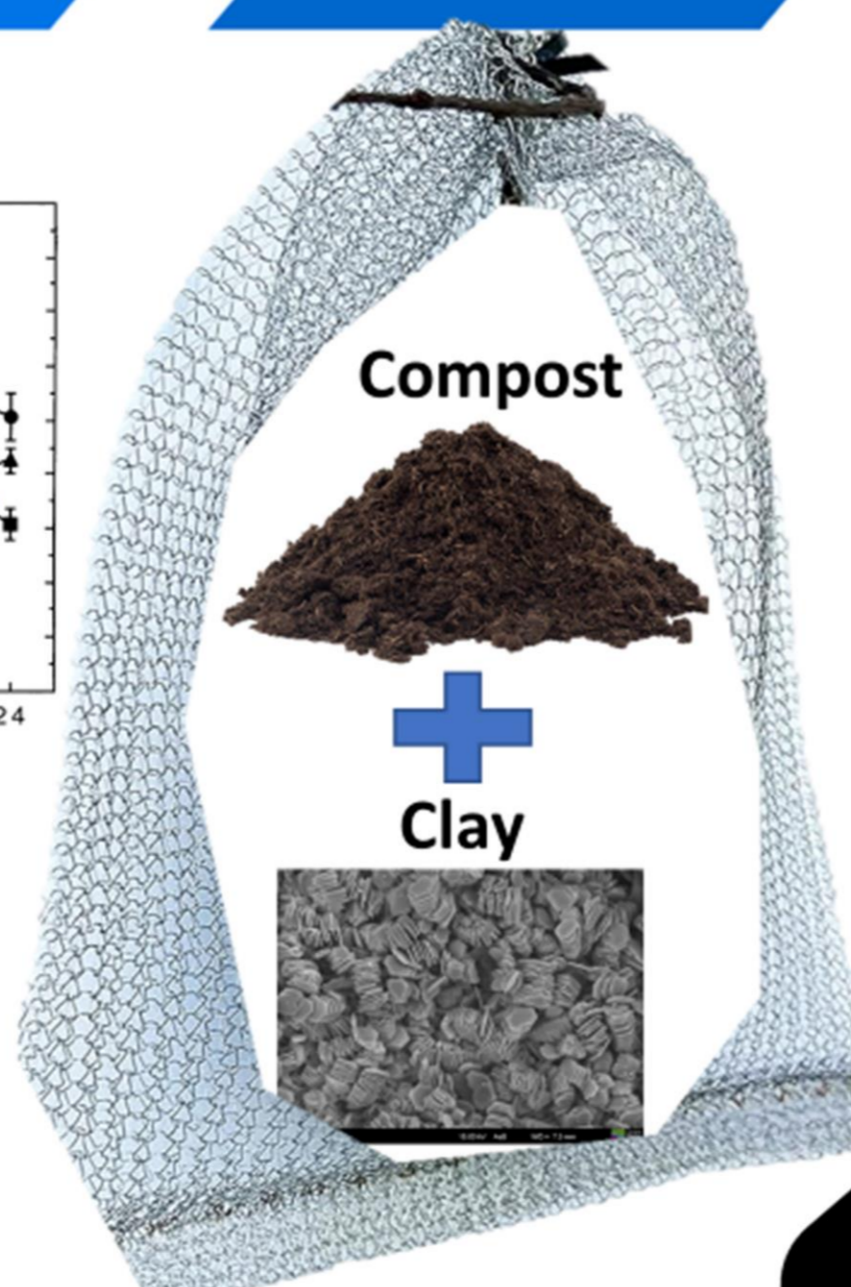
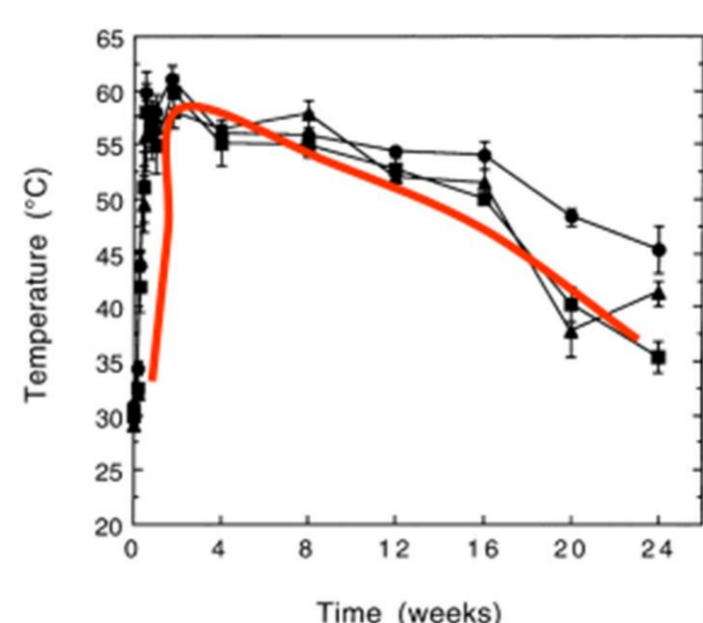
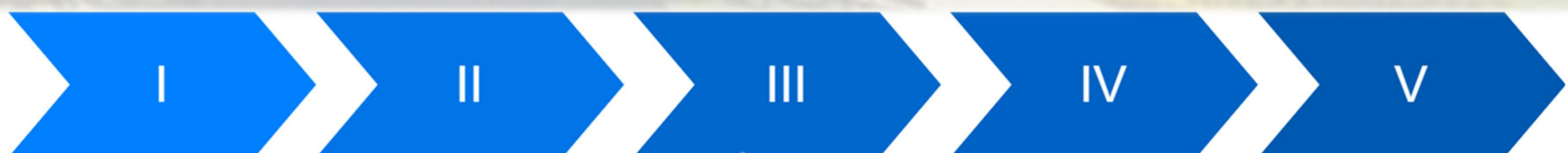
Add clay rich waste material at the optimal moment during the composting process to engineer an improved soil amendment

Hypothesis

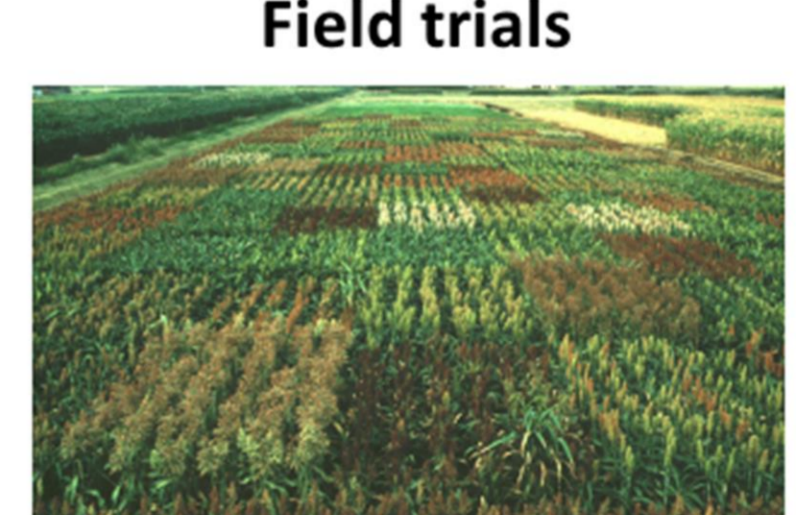
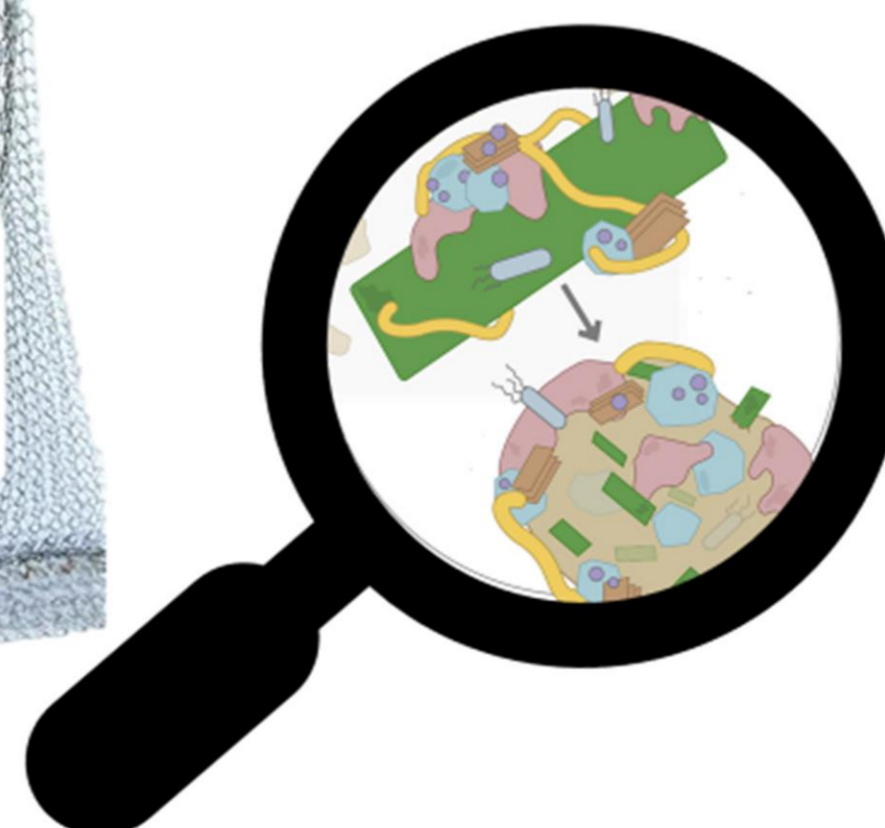
Clay minerals can slow down the mineralization of compost and thereby increase the mean residence time of carbon in agricultural soils



Experimental design



Soil



Field trials

