



Fractionation / Analyses

Density fractionation

Total C and N contents

C and N isotopic compositions

Extractable Al, Fe, Si, Ca, and base cations

Dissolved organic C

pH

Image analysis (SEM)

Image analysis (STXM-NEXAFS)

Microbial DNA extraction

Wet and dry cycles x 8 times (55 d)

2 d
(Wet)

● Addition of artificial rainfall

● Addition of inoculum

5 d
(Wet → Dry)

30°C aerobic incubation

