

Dear Elizabeth,

Thank you for your suggestions. We think that we had already responded to the previous suggestions. However, in response to your concerns, we introduced in the introduction some studies showing that the effect of worms on soil carbon sequestration and greenhouse gas emissions is unclear. We further improved the discussion: the first paragraph on compost properties was removed from the discussion and some points were included in the results. We added a section 4.2 'effect of worms', which was divided into three subsections: 4.2.1 Effect of worms on CO₂ emissions during composting without additives, 4.2.2 Effect of worms on carbon mineralization during composting with clay and 4.2.3 Effect of worms on carbon mineralization during composting in treatments with biochar. We kept the paragraph on biochar additives separated, since their effects induce very different mechanisms compared to other additives. We also changed the conclusion in order to clarify the take-home message.

Best regards,

Justine Barthod