

Review of: "Analyzing the Effects of Organic Amendments on Soil Erosion Dynamics: A Comprehensive Study on Application Methods and Timing"

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Potential competing interests: No potential competing interests to declare.

I applaud the authors for this outstanding research. The study is crucial in semi-arid areas where moisture stress is evident. Furthermore, the study illuminates the importance of using different types of soil amendments and various time intervals and application methods, especially for farmers with soil erosion issues, for them to understand the application of soil amendments and their benefit to soil quality. The use of barberry residues is encouraged as a way of reducing waste and improving soil. However, some comments on the article are as follows:

1. "The findings revealed that employing a rainfall simulator enhances the proportion of sand while diminishing the percentages of silt and clay in the soil. " This sentence seems misplaced and should come before this sentence: "Overall, this research emphasizes the efficacy of surface-applied barberry biochar in reducing soil erosion and sedimentation."
2. The author should use "undisturbed soil sample" instead of the word "intact."
3. The flow of the article is okay, though I would have wanted more of a scientific article writing. There's a lot of listing of ideas and stops the reader from having a flow through the article.

All in all, a well-written article.