

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.

Title:

Title would have been better if it were written as, "Evaluating the response of organic amendments....."

Abstract:

Too lengthy with unnecessary detail and ignoring the abstract format.

Introduction:

Use of inappropriate words is extensive, like indispensable, paramount, etc. The literature review says that all work investigated here has already been done except at the test site. So what is new in this study?

Materials and methods:

Please add how field capacity was measured and maintained for 180 days. Also, give the analysis of the water used in this study; parameters like soil flocculation and soil plasticity must be added. Scientists need to keep in view the cost of the treatment; like in this study, 100000 kg of biochar per acre will be needed. Is it economically feasible? The biochar application method (process) needs to be explained because it is very light and very difficult to apply on the surface or mix in the soil.

Results:

Tables 3.1 and 3.2 need to be added in the materials and methods, or if they suit the format of the journal, then it's OK, but the data presented here does not coincide with the available data. For example, the EC of poultry biochar at 200 C is 9 or above; however, the value given here is 3.1.

There are serious discrepancies in the data presented in different tables when it states that the amendments have increased or decreased sand, silt, and clay concentrations. This is against the principles of soil physics, or the titles of the figures or tables are not written correctly. For example, in table 4, it should be, "the interaction/interactive effect of rainfall, application method, and time on sand, silt, and clay concentration in runoff water or leachate."

