

Comment on soil-2021-113

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Community comment on "Transition to conservation agriculture: how tillage intensity and covering affect soil physical parameters" by Felice Sartori et al., SOIL Discuss., <https://doi.org/10.5194/soil-2021-113-CC1>, 2022

The present study evaluates the effects of conservation agricultural practices, focusing on the effects in three specific soil physical properties. The results obtained in this study are relevant and could improve the future implementation of conservation agriculture.

Overall, the authors have carried out a very good job in the design and writing of this manuscript. However, some modifications should be made to achieve a manuscript of high scientific quality. The following are some suggestions for modifications to the manuscript.

Q1. Restructure the Introduction part so that it has a cohesive and consistent thread.

Q2. The description of the methods in the Introduction is a bit confusing because the authors describe them as scales and not as measured properties.

Q3. Material and methods section. Why were not all the soil physical properties analyzed at the same time? It is confusing.

Q4. The Results section is a bit difficult to understand. I would recommend detailing only the most important results, followed by the corresponding p-value.

Q5. The results obtained in this assay do not appear to be consistent with the results obtained in other assays. However, the authors do not specify how they differ from the results available in the literature. To enrich the Discussion part, it would be desirable for the authors to discuss more the differences with already published results and possible hypotheses that could explain these differences, rather than just highlighting that differences exist.

Q6. Define abbreviations (BD, PR...) the first time they appear before using them.

Q7. Figure 1. Add months to the timeline to make it easier to understand the essay.