

Reply on RC1

David Hobson et al.

Author comment on "The effect of tillage depth and traffic management on soil properties and root development during two growth stages of winter wheat (*Triticum aestivum* L.)" by David Hobson et al., SOIL Discuss., <https://doi.org/10.5194/soil-2021-129-AC3>, 2022

Dear Editor and authors.

I found the study quite interesting and well-worth to be published. It has been used a proper and very interesting methodology for the roots system analysis.

Authors: On behalf of the authors, we are very thankful for the reviewers positive feedback and interest in the study.

I had some problems to understand several results in the figures. Mainly.. In the X-axis it is difficult to see well the combination of the treatments because it is like a continuous line.

Secondly and due to the 9 combinations would be more appropriate to use the same sequence of those combinations in all the figures.

I suggest a better way to present those figures.

Also it is important to indicate the meaning of the bars in the legend of the figure.

It is difficult to see in the figures the effect of the tillage and the effect of the trafficking individually.

Authors: Point accepted. We agree that the figures require further attention to detail and will correct same. We will ensure that the next draft is consistent with treatments in the figures.

Regarding the abstract I would suggest to give some numbers more than qualify sentences.

Authors: Understood. We will add the statistical significance of the results into the abstract.

The introduction and the methodology are quite OK.

The results need a better way to understand figures and the effect of the factors.

Authors: We have prepared the results in a better format for the next draft which will hopefully improve clarity of the results.

The discussion is quite long and also includes some data that could go to results.

Finally the discussion should give a clear picture of the two factors. Tillage and trafficking.
Two sections .

Authors: Thank you for your constructive feedback. We will amend for the next draft.

IN the way is written it looks again a show of results with some discussion. NO clearer picture of the Tillage and trafficking.

Best regards.