

## ***Interactive comment on “How serious a problem is soil compaction in the Netherlands? A survey based on probability sampling” by Dick J. Brus and Jan J. H. van den Akker***

### **Anonymous Referee #1**

Received and published: 4 November 2017

General comment This manuscript presents interesting results showing soil compaction risk classes and risk map units based on relative porosity and relative bulk density in Dutch soils. It is relevant to SOIL and of interest to a wider audience. The manuscript require amendments and explanations that have been indicated below:

1. As soil samples were taken directly below the plough layer (subsoil) (P 5 L 5-6) suggest changing soil to subsoil. Also “subsoil” is frequently used in the text. 2. Provide information about whether soil (subsoil) compaction affects crop yields and other soil function in the studied areas. 3. P4, L 9-10 and some other places: change specific density to particle density. 4. P 7 L 26 and some other places including captions to

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Figures: “soil” is used here. Does it mean “subsoil” from which soil cores for determination of bulk density and porosity were taken as indicated in P 5 L 5-6). It should be clarified.

Minor points P 2, L 3 and elsewhere: Schjonng > Schjønnng. P 9, L 30 and elsewhere: Hakansson > Håkansson.

Interactive comment on SOIL Discuss., <https://doi.org/10.5194/soil-2017-28>, 2017.

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