# Review of: "Integration and Implementation of Multiple Soil Sensors for Automated and Regulated Irrigation"

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Potential competing interests: No potential competing interests to declare.

The topic of the paper is relevant and falls into the scope of IoT. Nevertheless, major rewritings should be performed. The following comments for the manuscript can be pointed out:

1. Abstract. It should be shortened and concentrated on new, original findings and conclusions that can be concluded by the authors recently in comparison to previously printed works found in the literature: new methods, new quantitative improvements of soil parameters measurements.
2. All from 3 to 20 pictures should be skipped because they represent just data sheets of commercial components. More details of the installation of sensors in the soil, e.g., depth of the layer investigated, which is most interesting from an agriculture point of view, were not mentioned. Also, it was not mentioned how harsh conditions affected the stability and accuracy of data acquisition. The dynamics of soil irrigation at different depths should be a very interesting investigation (if in the next work the authors will decide). This topic could also be simulated.

1. It is not clear whether the soil condition monitoring system was developed, i.e., the operator sets necessary conditions and the system irrigates, fertilizes the soil, or just a surveillance system where soil parameters are measured.

4. Equations 1-3 should be written more clearly in better quality, and notations should be explained after each equation.

Table 4 should be skipped because the scattering of results is presented in Table 5. The timing ordinate axis in Figure 26b could be scaled in hours or minutes, which should be more clear and evident.