

## ***Interactive comment on “Influence of humic acid applications on soil physicochemical properties” by İ. Gümüş and C. Şeker***

**Dr. özaytekin (Referee)**

hhuseyin@selcuk.edu.tr

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Dear Editor, I have completed the review of submitted your journal titled “Influence of humic acid applications on soil physicochemical properties”

My opinion about the article is as follows

Author: Äřİknur Gümüş Title: Influence of humic acid applications on soil physicochemical properties

Journal: Solid Earth Manuscript Number: Se2015-70

General remark, This paper is study on effect of humic acid applications on the some soil properties. The author studied changes of soil properties after humic acid applica-

C1069

tion in this paper Authors wrote that humic acid has a potential to used as an effective conservation tool for soils. I concluded that this paper is suited for the original paper.

-Interpretations and conclusions sound are, justified by the data and consistent with the objectives -This is a new and original contribution -Title clearly reflect the contents -Abstract sufficiently informative -Appropriate keywords are given -The statement of objectives of the article adequate and appropriate in view of the subject matter -The description of materials and methods is sufficiently informative to allow replication of the experiment -Results are clearly presented -Article structured is in agreement with the Guide for authors -Content justify the length -Tables are all necessary, complete and clearly presented -References are adequate -The subject fall within the general scope of the journal, Topic is suitable for scope of Solid Earth

Comments and suggestions for improvements Specific Concerns

Introduction: - “The widespread use of unsuitable and unsustainable production techniques in agricultural systems has resulted in extensive deterioration of soil quality and reductions in 20 soil organic matter content and crop production (Verhulst et al., 2010; Martinez-Blanco et al., 2011). Soil quality is threatened by the increase in human population, by intensive management of cultivable land and by urbanisation and soil degradation. There is a general agreement that soil biochemical, microbiological and biological properties are more than physical and chemical properties for the purpose of estimating alterations in 25 soil quality and hence soil degradation (Paz-Ferreiro and Fu, 2013). Soil quality can be strongly affected by a wide range of land management techniques (Keesstra et al.)” this part is not necessary it could be removed.

CONCLUSIONS “Chemical and physical properties of soil such as EC, soil organic carbon, total nitrogen, modulus of rupture and aggregate stability were improved by HA amendment.” This sentence should be rewritten . Because EC was not improved

Final Decision The paper deals with an interesting aspect and presents a wide dataset. This study is still able to add some knowledge of interest to an environmental

C1070

readerships. In addition, the paper contains some useful information that is worthy of publication and usefulness for other researchers in this field. Statement of manuscript is clarity and introduction and results sections were supported enough research literatures. In brief, my opinion is, this manuscript has been written in standard scientific way and is suitable for publication in an international journal as like Journal of Solid Earth Acceptable with minor revision, not requiring reconsideration by referee

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/7/C1069/2015/sed-7-C1069-2015-supplement.pdf>

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Interactive comment on Solid Earth Discuss., 7, 2481, 2015.

C1071