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Solid Earth Discussions

Interactive comment on "Application of soil quality indices to assess the status of agricultural soils irrigated with treated wastewaters" *by* A. Morugán-Coronado et al.

Anonymous Referee #1

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The paper submitted for Morugan-Coronado et al. Give an interesting Picture about the effects of wastewater in agricultural soils, and it is a good contribution to assess the use of residual waters in soil. In semi-arid soils, where water is a precious good. The model performed has a good design and was previous tested, thus it was a applied with success, it was very good design. In my opinion, the paper is accepted with some minor revisions that I describe bellow.

Page 1486-1487: Reduced freshwater availability is not only a consequence of over-explotation, but also of climate Page 1487, line 20: Please add after "under semi-arid conditions", where the precipitation is less than the potential evaporation.. Page 1487,

line 27 Please substitute "could" for "may" Page 1487-1488, line 1: Please mention what soil properties Page 1488, line 15-20: Please provide some reference this idea. Page 1490, line 17: The soil or the model? Page 1493, line 1: The result of kolmogorov test showed that data was normal or not? At what p level? Page 1494, line 1 and 2: Delete "The major differences observed due to the irrigation with wastewater for the studied properties were in the soils from Biar 2 site". You mentioned already in the page 1493, line 14

Page 1496, line 1 and 2: You refer "many studies", but you mentioned only one study..

Page 1496, line 9-12: This should be placed in the introduction to justify the importance of this work.

Page 1496, line 14: the high residuals observed in B2R may be also attributed to the variability of the studied elements in soil due the quality wastewater treatment.

Fig. 2. Please explain in the caption the mean of "a" and "b"

Interactive comment on Solid Earth Discuss., 4, 1485, 2012.