Hydrol. Earth Syst. Sci. Discuss., 7, C1998–C2000, 2010
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Hydrology and Earth System Sciences Discussions

Interactive comment on "Modeling relationship between runoff and soil properties in dry-farming lands, NW Iran" *by* A. R. Vaezi et al.

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Response to comments of Referee 1: 1- Text from the introduction to the discussion was wholly revised. So we hope the value of runoff experiments would be well showed. 2- Relationship between runoff and soil properties was not stated as a physical model, but it was just presented as an empirical regression equation. 3- Correlation between runoff and EI30 was explained in discussion. 4- Data of initial infiltration rate and its correlation with the runoff was presented. 5- Effect of soil sealing on the runoff generation and influence of soil properties (lime etc.,) on the sealing were stated in results and discussion. 6- Reasons of which runoff coefficient from the plots is very low noted in the discussion. 7- Effect of final infiltration rate and initial infiltration rate

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were analyzed and brought in the discussion. 8- Method of sampling 0.5 liter was clearly explained in the material and method. 9- The introduction was revised and summarized. 10- Discussion was revised and coordinated with the results. Thank you very much for your comments.

Please also note the supplement to this comment:
http://www.hydrol-earth-syst-sci-discuss.net/7/C1998/2010/hessd-7-C1998-2010-supplement.pdf

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 2577, 2010.

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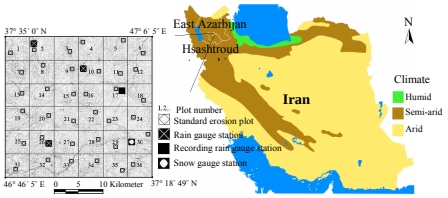

Fig. 1. Location of the study area, rainfall gauge stations and unit plots used for measuring surface runoff.

Fig. 1.

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7, C1998–C2000, 2010