

Interactive comment on “Tree species identity and functional traits but not species richness affect interrill erosion processes in young subtropical forests” by S. Seitz et al.

Anonymous Referee #1

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Dear author and editor I found the paper of interest although some researchers will see this paper with a methodological problem due to the small plots This is however NOT a problem as the number of measurements is large and contribute to understand the soil erosion processes and the impact of the plant canopy See some citations below that use also similar plot sizes García-Orenes, F., Roldán, A., Mataix-Solera, J., Cerdà, A., Campoy, M., Arcenegui, V., Caravaca, F. 2012. Soil structural stability and erosion rates influenced by agricultural management practices in a semi-arid Mediterranean agro-ecosystem. *Soil Use and Management* 28, 571-579. DOI: 10.1111/j.1475-2743.2012.00451.x Giménez Morera, A., Ruiz Sinoga, J.D. y Cerdà, A. 2010. The

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impact of cotton geotextiles on soil and water losses in Mediterranean rainfed agricultural land. *Land Degradation and Development* , 210- 217. DOI: 10.1002/ldr.971. Cerdà, A. 2001. Effects of rock fragment on soil infiltration, inter-rill runoff and erosion. *European Journal of Soil Science*, 52 (1) 1-10. Cerdà, A. 1999. Seasonal and spatial variations in infiltration rates in badland surfaces under Mediterranean climatic conditions. *Water Resources Research*, 35 (1) 319-328. Gabarrón-Galeote, M. A., Martínez-Murillo, J. F., Quesada, M. A., and Ruiz-Sinoga, J. D.: Seasonal changes in the soil hydrological and erosive response depending on aspect, vegetation type and soil water repellency in different Mediterranean micro environments, *Solid Earth*, 4, 497-509, doi:10.5194/se-4-497-2013, 2013.

See my minor comments to help the author attached Sincerely Artemi Cerdà

Interactive comment on SOIL Discuss., 2, 701, 2015.

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