

***Interactive comment on “The fate of seeds in the soil: a review of the influence of overland flow on seed removal and its consequences for the vegetation of arid and semiarid patchy ecosystems” by E. Bochet***

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Answer to the short comment posted by B.M. McKenzie

Thank you for giving me the opportunity to read this interesting paper about the impact of erosion on the weed seedbank diversity of agro-ecosystems in the UK.

Although this study was performed in a very different environment as the ones described in my manuscript (temperate agro-ecosystems vs. arid and semiarid natu-

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ral ecosystems), it can be useful to provide an estimate of the potential seed losses caused by soil erosion at the landscape scale, because these data are lacking for arid and semiarid ecosystems. This is why we will add the following text at the end of section 3.1, after line 2, p.595:

“In other types of ecosystems, such as the temperate agro-ecosystems of the UK, Lewis et al. (2013) estimated that average soil loss rates could export around 10% of the arable weed seedbank at the landscape scale in 20 years”.

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Interactive comment on SOIL Discuss., 1, 585, 2014.