

Interactive comment on “Ecohydrological effectiveness of litter crusts in sandy ecosystem” by Yu Liu et al.

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Litter crusts significantly influenced the soil properties and hydrological functions. The paper quantified the ecohydrological effectiveness of litter crusts in desert ecosystems. The research is of great importance to understand the influence of litter crusts on desert ecosystems. Some comments as below 1. Before infiltration measurement, how was the litter or soil surface treated? Was the single-ring installed directly on the surface? It may be better for clearly stating the procedure. 2. L172-174. “After the infiltration experiment, the ring was removed, and then, a vertical soil profile was quickly excavated and the infiltration depth was directly measured using a tape”. Why was the profile quickly excavated as soon as the infiltration measure finished? After infiltration, the surface soil may be saturated and sticky, which may increase excavating difficulties.

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3. L314-315 “which is affected by the rainfall intensity”, infiltration rate was measured by single-ring infiltrometer, why did this sentence discuss the rainfall intensity?

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