

Interactive comment on “Rainfall interception and redistribution by a common North American understory and pasture forb, *Eupatorium capillifolium* (Lam. dogfennel)” by D. Alex R. Gordon et al.

Anonymous Referee #2

Received and published: 13 March 2020

Manuscript “Rainfall interception and redistribution by a common North American understory and pasture forb, *Eupatorium capillifolium*(Lam. dogfennel)” by D. Alex R. Gordon, Miriam Coenders-Gerrits, Brent A. Sellers, S.M. Moein Sadeghi, John T. and Van Stan II.

This manuscript investigates interception and redistribution of precipitation related to herbaceous plants, i.e. understory forbs growing in an urban disturbed pine forest, resp. in pastures. Partitioning of overstory throughfall into understory throughfall and stemflow is analysed as well as water storage capacities for leaves and stems. Among

C1

others, it was found that the investigated dogfennel plants can capture and drain dew to the basis of their stems, being effective for enduring drought periods.

In my view, the submitted study is highly interesting and convincing, carefully conducted, and well presented. It is well suited for the journal and should be of high interest for the readers.

For further clarification, I suggest to add more details on the conducted lab investigations: how long were the plant samples dried in the oven, and more details on the mass balances (how the final values of storage capacity were obtained) would be helpful.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-579>, 2019.

C2