

***Interactive comment on “Quantifying the impact of groundwater depth on evapotranspiration in a semi-arid grassland region” by M. E. Soylu et al.***

**G.H. de Rooij (Editor)**

gerrit.derooij@ufz.de

Received and published: 25 October 2010

Dear authors,

As I studied your text in detail I noted your soil physical parameters include air entry values (Table 2). Under equilibrium conditions these values give the vertical extent of the capillary fringe when expressed in equivalent water column height (as you do). Yet, in the last line of section 2.2 you use literature values for the thickness of the capillary fringe for various general texture classes, and these values are different from the corresponding air entry values in Table 2. Please elaborate a little on your rationale for doing so.

C3156

Yours sincerely,

Gerrit de Rooij

---

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 6887, 2010.

C3157