Hydrol. Earth Syst. Sci. Discuss.,
https://doi.org/10.5194/hess-2017-405-AC5, 2017
© Author(s) 2017. This work is distributed under
the Creative Commons Attribution 4.0 License.

Hydrology and Earth System Sciences
Discussions

Interactive comment on "Shallow water table effects on water, sediment and pesticide transport in vegetative filter strips: Part A. non-uniform infiltration and soil water redistribution" *by* Rafael Muñoz-Carpena et al.

Rafael Muñoz-Carpena et al.

carpena@ufl.edu

Received and published: 11 October 2017

Please see attached Figures 4 and 6 considering your comments, as well as specific responses in the pdf.

Please also note the supplement to this comment:
https://www.hydrol-earth-syst-sci-discuss.net/hess-2017-405/hess-2017-405-AC5-supplement.pdf

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2017-405, 2017.

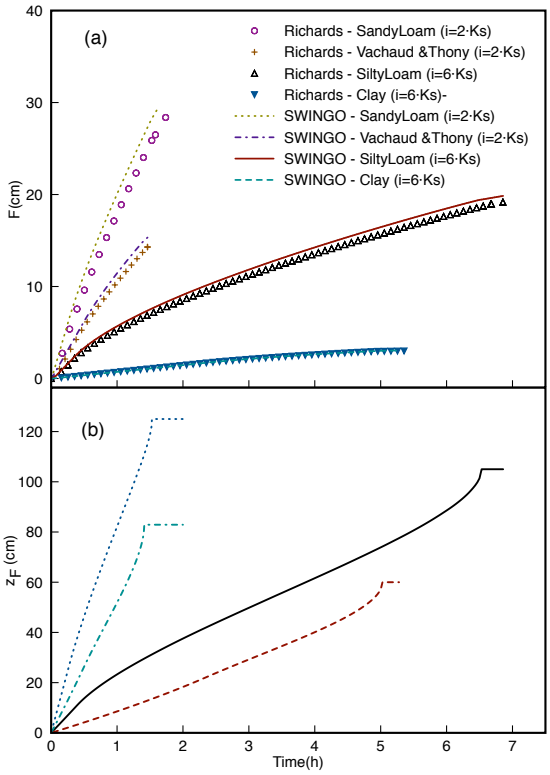
(a)
Richards - SandyLoam (i=2·Ks)
Richards - Vachaud &Thony (i=2·Ks)
Richards - SiltyLoam (i=6·Ks)
Richards - Clay (i=6·Ks)-
SWINGO - SandyLoam (i=2·Ks)
SWINGO - Vachaud &Thony (i=2·Ks)
SWINGO - SiltyLoam (i=6·Ks)
SWINGO - Clay (i=6·Ks)
F(cm)
(b)
z_F (cm)
Time(h)

Fig. 1.

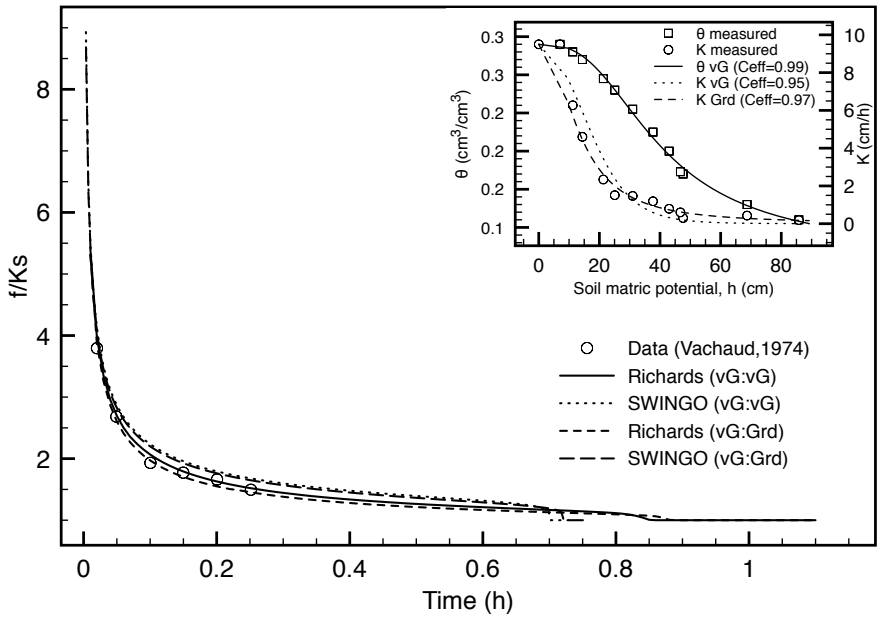
θ measured
K measured
θ vG (Ceff=0.99)
K vG (Ceff=0.95)
K Grd (Ceff=0.97)
θ (cm³/cm³)
K (cm/h)
Soil matric potential, h (cm)
Data (Vachaud,1974)
Richards (vG:vG)
SWINGO (vG:vG)
Richards (vG:Grd)
SWINGO (vG:Grd)
f/Ks
Time (h)

Fig. 2.