

more deeper in the first case than that in the second case. In the case of multi-layers soil, when the coarse sand was the upper layer, the evaporation rate was found to be less than from each type of soil.

Table 1. Properties of both fine and coarse sand used in this study.

Sand type	Mean diameter (mm)	Sp. gravity	Bulk density (g/cm ³)	Porosity (%)	Sat. Hyd. conductivity (cm/s)
Fine	0.19	2.653	1.42	44.5	0.029
Coarse	1.34	2.47	1.50	39.6	0.047

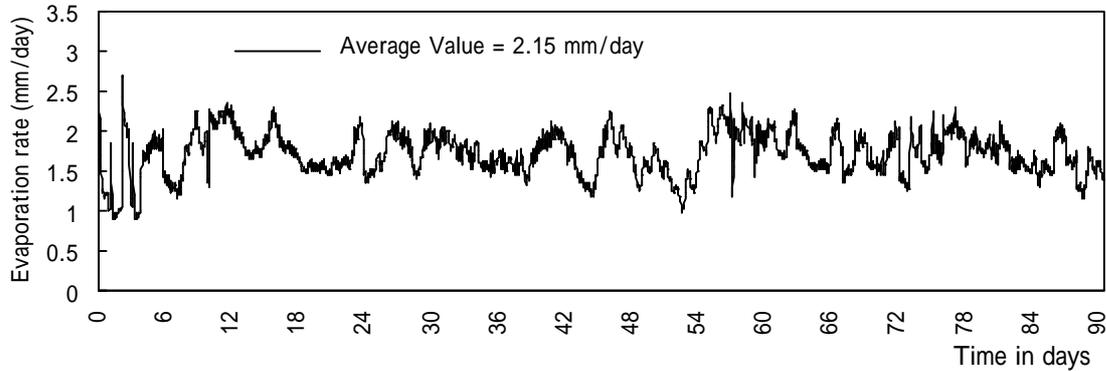


Fig. 2. Transient change of the evaporation rate for fine sand experiment.



Fig. 3. Transient change of the evaporation rate for coarse sand experiment.

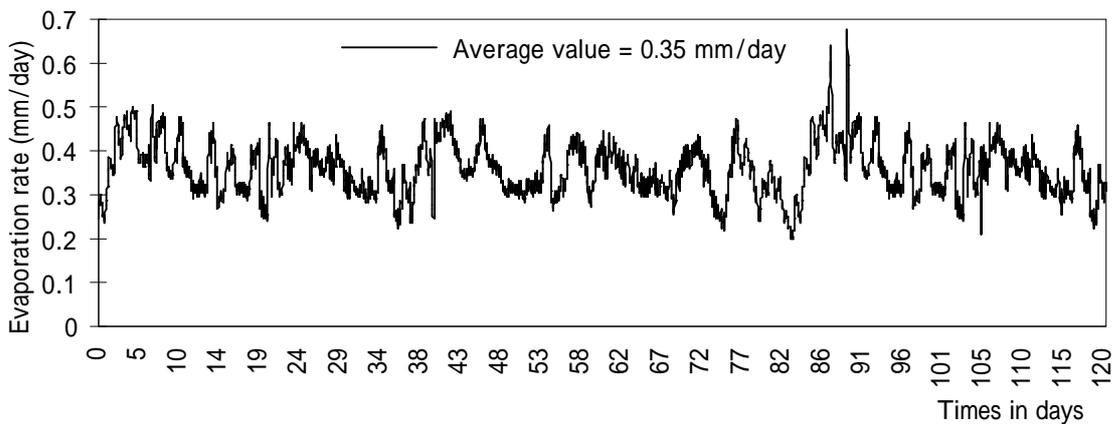


Fig. 4. Transient change of the evaporation rate for multi-layers experiment.

References:

1. Brutseart, W., 1982. "Evaporation into the atmosphere". Kluwer Academic Publisher.
2. Mohamed, A. A., K. Watanabe, and T. Sasaki 1998. "Ventilated Chamber system for continuous recording of both the evaporation rate and the heat balance at the bare soil surface." Journal of Groundwater Hydrology. 40(2): 185-202.