

Evaluation of various evapotranspiration model on small basin of the Uto Peninsula

Kazuhiko Ohba[1]; Jun Shimada[2]

[1] Agri-Meteorology, KONARC; [2] Fac. of Sci., Kumamoto Univ.

This research aims to understand the characteristic of spatial distribution of the valley by various evaporation scatter models in the area for the research, and to contribute to the establishment of the method of evaluating the space distribution of the amount of the evaporation scatter in the valley with complex geographical features and the land use. The actual evapotranspiration measured by the Bowen ratio method.

The coefficient of crops of the mandarin orange field was calculated from the ratio of the method compared with heat revenue and expenditure Bowen and the real water loss observed with siteA.

As a result, the coefficient of crops of the mandarin orange field of the expert year was confirmed this value was a value of the coefficient of crops of the tree garden of the moist soil calculated by a fruit tree woods near the mandarin orange that FAO proposed or a past research and was almost the same value, and a value with high reliability by 1.086.