Abstract

The objective of this paper is to determine the most appropriate crop coefficients (Kc) in practice according to yield and its components to perform irrigation scheduling of celery and parsley on organoponic conditions. The substrate consist of a mixture of soil with 30 % of cachaza (sugar cane waste) irrigated with micro sprinkler (41 L/h) separate up 1 m. According to the results obtained in parsley, is recommended the use of a Kc = 1 due to a favourable response in yield (2,55 kg/m² and a total of 12,75 kg/m² ). In the case of celerely is recommended the use of Kc = 1, due to good results got in variant (5,70 kg/m² y el total de 25,39 kg/m² ). We suggest the use of Kc = 1 to plant and develop irrigation in these crops.

Keywords

drought irrigation, water management, yield, microsprinkler.