Remarks on the introduction of advanced irrigation technology in Azerbaijan

Fuad Namik SALIMOV

Azerbaijan Scientific-Research Institute of Erosion and Irrigation, Baku, Azerbaijan Republic, AZ 1007, Baku, M. Gashgay st. 36; e-mail: fuad1979@mail.ru

Abstract

One of the main reasons of salinization of irrigated lands in arid areas, including vast areas in Azerbaijan, is watering by high application doses exceeding by 1.3–2.0 times the doses sufficient for crops. The principle of drop irrigation is that water reaches only the root zone of a plant, whereas the amount and periodicity of water distribution is very exact and technically simply adjusted to the needs of the plant in each phase of its growth. The obtained results indicate practicability of the implementation of drop irrigation in a large production scale.

Key words: cotton plant, drop irrigation, micro sprinkling, dropper, water sprinkler