

EVALUATION OF THE DISCHARGE COEFFICIENT'S EFFECT ON WATER DISTRIBUTION IN THE SPRINKLER IRRIGATION SYSTEM

Today, there are several problems in the implementation and design of water-saving irrigation technologies, and several studies are being conducted to find solutions to these problems. According to Darko and others, the sprinkler irrigation system differs from other irrigation systems in that it can uniformly moisten the field and consumes less energy. If the water flowing out of the sprinkler does not wet the field uniformly, it causes excessive costs and affects the growth phase of the crop as well [1]. According to Li and Rao, the sprinkler irrigation system is an irrigation method that can provide the crop area with water and fertilizers at the same time and has high efficiency [2]. Dechimi and others note that sprinkler irrigation system design should be properly implemented, and to hydraulic calculations should be given a great importance [3].

[Full text](#)