

Title	Determination of Irrigation Scheduling of Drip Irrigated Pomegranate in Antalya Conditions
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Abstract: Although it is known as the fruit of the tropical and subtropical climate fruit which grows warm and temperate climate zones in a limited way in the production and consumption of pomegranate in the world and is increasing in our country with each passing day. The most pomegranate production in our country is in the Mediterranean (53%), Aegean (20%) and Southeast Anatolia (8.4%) regions. Approximately 38% of total production is being done in Antalya. This indicates that the pomegranate production is concentrated in the province of Antalya. 11% of total pomegranate production is exported in our country. 95% of the total exports made from Antalya. Pomegranate trees in the province of Antalya are approximately 1,311,000. Approximately 558,000 of these trees (46%) are fruitless age. This indicates that pomegranate production is expected to increase exponentially in the coming years, especially in Antalya. Flood irrigation methods are widely used in irrigation of pomegranate in Antalya region. Losses of water in irrigation systems occur in the transmission, distribution and application stages. In addition, lack of mains network, not effectively operating system and irrigator's ignorance increases the losses. On the other hand, it is a fact that our country is not a rich country in water. In order to avoid the problems caused by the global climate changes we develop water resources, we have to use water resources a significant part used in agricultural as rational and economical. For this reason, we have to pass to the pressurized irrigation systems like drop irrigation systems as soon as possible with improving our irrigation infrastructure. Drip irrigation system finds an ever-expanding range of applications in irrigated agricultural areas in our country due to the decrease in water resources and giving incentives to the pressurized irrigation systems. The most efficient use of irrigation water is drip irrigation method. For these reasons, in order to achieve optimum efficiency with minimum irrigation water, there is a need to transfer the local farmers and investor organizations that irrigation of pomegranate with drip irrigation is known. In this study; Achieving the most appropriate irrigation program, with irrigate pomegranate trees with drip irrigation, Determining the effect of the product bedtime of the irrigation in the newly established pomegranate orchards, Revealing relationships between the amount of irrigation water and yield in pomegranate trees, Determining the effects on tree growth of drip irrigation.