

# **Water Saving Practices at Household Level in Palestine, a Case Study Jayyous Village, Qalqilia Governorate, Palestine**

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## **Abstract**

This paper is an extension of research study; this paper investigates the results of domestic water saving at household level in the case study of Jayyous village, Qalqilia, Palestine. Firstly, an experimental study was conducted through installing some water saving devices in ten houses in Jayyous targeting bathing showerheads, lavatory faucet, kitchen faucet and to some extent toilet tanks. A questionnaire was developed and filled by the targeted ten families to touch the socio-economic issue in this research. In the same line a community workshop for those families for both genders was held to discuss and assess their reaction regarding using water saving devices in their houses. Based on the results of this study, the average water saving is around 13%. Adequate water saving devices compatible with the existing plumbing system and available pressure in the water system in the houses was chosen. Based on the workshop discussion it is found that the driving force for water saving is the water bill. The link between water bill and wastewater disposal bill become a vital issue and it is essential in promoting water saving idea. In general, most of the targeted families are convenient with water saving devices despite the slight decrease in their water bills.

**Keywords:** Water conservation, Water bill, Water saving devices, Jayyous



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