

Factors Affecting Cumulative Irrigation Acceptance in Qazvin Province

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Water scarcity is one of the most important global problems in the current century, and the crises posed by this scarcity pose a serious threat to sustainable development, the environment, human health and welfare. It is anticipated that in the coming decades, this shortage will become a global issue, with the need for this vital substance becoming more and more evident. According to statistics provided, it is clear that, despite spending a great deal of money and energy on development, Pressure irrigation methods increase the efficiency by about 12%, which can be offset by less investment and more attention to surface irrigation systems. On the other hand, due to the limited resources of the irrigation system, the implementation of individual irrigation systems on each farmer's land has no effect on the conservation of these resources because farmers do not abandon part of their rights after the system is implemented, but rather the water saved after System implementations are used to increase the level of cultivation or re-ship. As a result, the best solution for conserving water resources is to implement a cumulative pressure irrigation system. Qazvin plain is one of the most important agricultural fields in the country due to the problems of water resources in this province, the Jihad-e-Agriculture Organization has been trying to encourage farmers to implement irrigation system under cumulative pressure in arable lands since 2014. Therefore, identifying the causes of low participation of farmers in this sector is necessary and inevitable. Therefore, the purpose of this study is to identify the causes that affect the acceptance of the system. Factors affecting the acceptance of cumulative irrigation were investigated using Rogers method. It was found that the use of technical and technical forces is ineffective in accepting cumulative irrigation, participating in collective activities and cooperating and contributing to the adoption of cumulative irrigation and the source of information under pressure irrigation is not effective in accepting cumulative

irrigation.

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