

Investigating the role of the education, extension and advisory services for optimal operation of pressurized irrigation systems in downstream lands of Sattarkhan's Dam in Ahar

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Sattarkhan's Dam was established in Ahar on the Aharchai River in 2001. Its capacity is 135 million cubic meters, and currently provides 2,700 hectares of downstream lands with irrigation water. Towards optimal use of pressurized irrigation systems in downstream lands, and with the aim of the present study was to assess the status and the role of advisory services, education, and extension. Following information is required for operation of pressurized irrigation systems, 203 completed questionnaires were collected in 2012. Results of regression analysis showed that family size, hesitancy, lack of proper water supply, the maintenance cost of the system, water pricing and factors such as education and extension of social and technical factors, trust in government organizations, membership in rural production cooperatives and management and environmental factors can damage the operation of pressurized irrigation systems affect. Thus In order to proper utilization of pressurized irrigation systems, Trust making government organizations, providing consulting services, education and empowerment of operators and create or activate rural production cooperatives is recommended.

Key Words: Education, extension and advisory services, Operators education, Pressurized irrigation