

## Factors affecting the attitude of farmers towards acceptance of pressurized irrigation systems (Case study: West Azerbaijan Province)

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**ABSTRACT:**

Faced with the problem of water scarcity, it is essential that to be used of the methods for irrigation that by applying them to increase the efficiency of irrigation water. The main objective of this research is the analysis of factors affecting the attitudes of farmers towards the acceptance of pressurized irrigation at (West Azerbaijan province). The population in this study are West Azerbaijan Province farmers who use irrigation systems that were about 899 people. The sample size was calculated by Cochran formula 130 people. The questionnaire was designed according to the aims of research. This research is a descriptive-survey study. The data were collected through questionnaires. To analyze the data in this study used Pearson coefficient test and regression analysis in the SPSS software. Results of the Pearson test showed that there is a significant and direct relationship between pressurized irrigation systems with government support factors, economic factors, social factors, educational factors and environmental factors. We found highest correlation coefficient between the dependent variable of pressurized irrigation systems and economic factors (0.751). Given that the value of coefficient of determination  $R^2$  adjusted is equal to 0.644, it can be stated that the model used to explain 0.628 percent dependent variable changes and the results of regression showed that economic factors have a stronger role in explaining the dependent variable.

**Keywords:**

Analysis, attitude, farmers, pressurized irrigation, West Azerbaijan.