

### **Effect of education – extension in improving farmers' knowledge west in the Azerbaijan Province regarding soil management**

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This research influence educational – extensional improving farmers' knowledge of soil management and land towards the West Azarbaijan province. The population for this study consisted of farmers in west Azerbaijan province. Sample using a multi-stage cluster sampling method was determined as the statistical sample. The population of Krejcie and Morgan table to determine the sample size used. 200 farmers have been set accordingly. The aim of the present study, the applicability of the study and the methods used to collect field information and documents. In terms of the nature of research, descriptive - survey and research tool questionnaire. To investigate the validity of the research, experts were helpful and preliminary test was used to assess the reliability of the questionnaire. And Cronbach alpha levels reached 0/81 respectively. To investigate the relationship between variables coefficient Pearson correlation to calculate and the relationship between variables was used. The results showed that, the correlation coefficient was calculated between knowledge farmers attitudes towards methods of soil management principles by respondents Farmer the independent variables of socio – cultural ( $p=0/000$ ,  $r=0/501$ ), factors educational – extension ( $p=0/000$ ,  $r=0/299$ ). Have a positive relationship and are significant at the 1% level. Thus it can be stated with 99% confidence the variables identified as socio – cultural and educational factors – extension the dependent variable attitude towards farmers methods of soil management principles has had a significant and positive relationship.

**Key Words:** factors education – extension, farmer's knowledge, soil management, west Azerbaijan province