



Farmers ' perception toward soil fertility and nutrient management Kermanshah Township

Zahra Athari¹, Hassan Sadighi²

¹PhD student of Agricultural Extension and Education, Tarbiat Modares University

²Associate Professor, Agricultural Extension and Education, Tarbiat Modares
University

z.athari@gmail.com

The purpose of this descriptive-correlational study was to determine Farmers ' perception toward soil fertility and nutrient management and the factors influencing it. The statistical population for the study consisted of farmer heads of families in the rural society of Kermanshah township (N=24391). Three hundred and fifty samples were selected through multistage sampling method. Data were collected through questionnaire. Validity and reliability of the research instrument were respectively determined through a panel of experts and a determination of Cronbach's Alpha Coefficient. Based on the findings, the Farmers ' perception toward soil fertility and nutrient management was moderate. Results of structural equation modeling revealed that variables including education level, extension contacts, farming experience, Sources of information and farm size had *a significant influence on* Farmers ' perception toward soil fertility and nutrient management, with these variables in total determining 51% of variation of Farmers ' perception toward soil fertility and nutrient management.

Keywords: Perception, soil nutrient management, fertility management, Farmers