



Identify Factors Affecting Farmers' Attitudes towards the Environmental Impacts of Burning the Plant Debris in Khuzestan Province: Elhai Region

F. Taheri^{*1}, A. Ajili²

¹MSc. student of Agricultural Extension and Education (Khuzestan Ramin Agricultural and Natural Resources University), ²Associate Professor of Agricultural Extension and Education (Khuzestan Ramin Agricultural and Natural Resources

University)

taheri.fa27@yahoo.com

The general aim of this study was to investigate the factors influencing farmers' attitudes towards the environmental impact of burning the plant debris. Farmer of Elhai Region were the target population that sample size 200 cases were calculated by using of the Cochran formula and these cases were chosen with the random sampling method. A questionnaire was designed to data selection that the fact validity of the questionnaire was approved by Faculty members of the Department of Agricultural Extension and Education, University of Ramin and its reliability was calculated using Cronbach's alpha coefficient (0/86). SPSS software was used to analyzing data. The research indicate that the majority (6/67%) of farmers surveyed had moderate attitude towards the environmental impact of burning the plant debris. Comparison of means showed that between Farmers' attitudes towards the environmental impact of burning the plant debris based on variable crop residue management, there are significant differences in the level of one percent. The results of the stepwise multiple regression showed that among the variables studied education, type of crop residue management, cultivation practices, use appropriate technologies to collect plant debris and communication with staff service centers explain 21% of the variance of farmers' attitudes towards the environmental impact of burning plant debris.

Key Words: Attitude, Burning the Plant Debris, Environmental Impact.