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“Filling gaps and removing traps
for sustainable resource management”

Extension Knowledge Needs of Rural Women about Climate Change Phenomenon in Al-Gharbia Governorate, Egypt

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Abstract

The whole world today is interested in the global climate changes due to their impacts on human existence. Climate change has serious future effects. Agricultural extension has a vital role in facing climate changes prior to their occurrence through informing rural women to amend their practices which lead to the increase in the greenhouse gases. It has also an essential role after the occurrence of climate changes through informing rural women of the practices which could diminish the impact of these changes, telling them of how to adapt with the changes and lessen their side effects.

This study aims to identify the extension knowledge needs of rural women of the meaning, causes and effects of climate change phenomenon. This study has been conducted in some villages of Gharbia Governorate, Egypt, during December 2018. Data has been collected from 300 respondents random multistage-clustered sample. through a personal interview questionnaire made especially for this purpose. Several statistical methods have been used such as percentage and frequency tables.

The most striking results of the study show that 51.34% of respondents have a high extension knowledge need about the meaning of climate change phenomenon. 60.34% of respondents have a high extension knowledge need about the causes of the climate change phenomenon. 54.67%, 62%, 73.67%, 53.67%, 35.33%, 54.67% of respondents have a high extension knowledge need about the effects of climate change in order on; agriculture, food and nutrition, health, farm animal breeding, poultry, and the protection and maintenance of environmental resources.

Keywords: Agricultural extension needs, Al-Gharbia governorate, climate change phenomenon, Egypt, rural women