

**Farmers Implementation for practices of the grape crops
at some EL -Gharbia governorate villages and the
appropriate extension methods for them in this field**

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Abstract

The research aimed to determine the level of implementation by the respondents of the technical recommendations for the cultivation and production of the grape crop, to determine the correlation relationship between the studied independent variables ,the degree of implementation of the practices related to the technical recommendations for the cultivation and production of the grape crop, and to identify the most important appropriate extension methods for the surveyed farmers during the agricultural and productive operations of the crop. And to identify the problems facing the surveyed farmers to improve their cultivation and productivity, and to identify the solutions to these problems from the perspective of the farmers. The research was conducted in EL- Gharbia Governorate, where the two largest districts were selected in terms of the area planted with grapes in the governorate, namely Al-Santa and Zefiti centers, and the largest was chosen. Two villages in the cultivation of grapes from each district were the villages of Shinraq and Al Quraishiya in the district of Al-Santa, and the villages of Shershaba and Mit Nour in the center of Zifti. Using the simple fraction, A random sample representing 5% of the total size was selected, consisting of 200 farmers who were selected in a systematic random from the total farmers in the The selected villages amounting to 4000 holders, and

data were collected during the of November month 2020. A frequencies, percentages, arithmetic mean, standard deviation, stability coefficient Alpha Cronbach, simple correlation coefficient "Pearson", and "t" test were used to display and analyze data as statistical tools in Interpretation of the results of this research.

The most important results were as follows:

- 1-About of 90% of the farmers were the low and medium level of implementing the practices related to the technical recommendations for the cultivation and production of the grape crop.
- 2-There is a statistically significant relationship between the independent variables represented in: educational level, years number of experience in grape cultivation, total cultivated area of grapes, net income per feddan, attitude towards agricultural extension and implementation degree of practices related to technical recommendations for grape crop cultivation and production by the respondents.
- 3- Appropriate extension methods for the respondents during the agricultural and productive operations of the grape crop. It was found that the extension fields and the practical clarification of practice came to the fore in the extension service with a percentage of (85%).
- 4- The most important problems facing improving the cultivation and productivity of the grape crop, according to the opinions of the farmers, were: the lack of a clear role for agricultural extension workers in raising farmers' awareness of agricultural operations and disease control, and the weak rates of implementation of technical recommendations related to the advancement of the grape crop.

- 5-The most important solutions to improve the cultivation and productivity of the grape crop according to the opinions of the farmers were: interest in financing the agricultural sector in a manner commensurate with the provision of services, providing extension brochures and publications, paying attention to rural radio and television programs, and publishing extension sites that provide extension services to educate farmers through the Internet.