

## **Knowledge and implementation of rural women with technical recommendations to reduce the loss of tomato crops in some villages of Al-Mahalla Al-Kubra, Gharbia Governorate**

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### **ABSTRACT**

This research aims mainly to identify the knowledge and implementation of rural women technical recommendations to reduce losses in tomato crop, and this required the design of a questionnaire containing technical recommendations that work to reduce crop losses, and this research was conducted in the destvict of Mahalla as the largest center for the production and cultivation of tomatoes in the governorate Three random villages were selected, and a regular random sample was selected by 50% of the total size of 137 respondents. The data was collected by a questionnaire by interview. Some statistical methods such as repetition, percentages, and arithmetic mean were used to describe and discuss the research results.

### **The most important results were the following:**

- 1- The level of knowledge and implementation of the practices of the crop collection phase the practices are in the high category.
- 2- The level of knowledge and implementation of the post-collection the practices were moderate.
- 3- The stage of crop transfers, the level of knowledge and implementation of the respondents with technical the practices to reduce crop losses on average.
- 4- Traditional or unofficial sources of information such as parents, neighbors, personal experiences, control engineer, supplies traders and pesticides traders came in the forefront according to the degree of exposure, while the agricultural guide came in the eighth place, which proves that there is a clear deficiency in the role of the agricultural guide. And lack of closeness of the farmers.
- 5- The study limited many of the problems facing the respondents and increase the percentage of losses was eight problems, but the most important of these problems is the lack of a tomato factory in the research area, and the increase of losses due to the injury of diseases.

- 6- The respondents suggested several proposals that help them to reduce the losses and overcome the problems they face, the most important of which is the work of a tomato factory in the research area, strict control over pesticide fraud, and work to provide irrigation water .