

Knowledge of the farmers on the technical recommendations for the integrated control of insects affecting potato crop in Ismailia

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Abstract

The aim of this research was to identify the level of knowledge of the farmers concerned with the technical recommendations for the integrated control of the insects that affect the potato crop in Ismailia Governorate, and to determine the nature of the correlation between the degree of knowledge of the studied farmers by these studied technical recommendations and the studied independent variables, and then identify the sources from which the farmers obtained their information about Integrated control of insects affecting potato crop, and identification of agricultural extension services provided to farmers in this field studied.

This research was conducted in Ismailia governorate on a sample of 225 respondents with 40.9% of the total volume. The research data were collected by interview questionnaire in January and February 2018. The data were quantified and statistically analyzed using the repeated frequency, Arithmetic mean, and simple correlation coefficient.

The most important results were as follows:

- The overall level of knowledge of the respondents was low with regard to their knowledge of integrated control methods by a percentage of 42.5% of the respondents.
- The level of knowledge was low for all the studied recommendations packages: the use of the agricultural cycle and agricultural operations as one of the methods of integrated control of insects that affect the crop by 49.5%, the use of integrated control percentage of 38.5%, the use of legislative control by 43% , And insect control using agricultural pesticides as a last option, with a percentage of 38.5% of the respondents.
- There was an inverse correlation relationship at a significant level (0.05) between the level of knowledge of the surveyed farmers in relation to the technical recommendations for the integrated control of the insects that affect the potato crop and the age variable of the respondents. This correlation was positive at a significant level (0.01) for the following variables: Years of control experience, and frequency of control experts

- The most reliable sources of insect control in the research area were: parents, neighbors and friends, local leaders, seed and pesticide dealers, 91.6%, 84.3% and 65.3% of the respondents respectively.
- The most important agricultural extension services mentioned by the respondents were the establishment of agricultural extension fields for farmers in the use of integrated pest control methods for the crop, the use of the media in providing all new in the use of integrated pest control methods for the crop, Farmers in the use of integrated pest control methods that affect the crop by 84.4%, 78.7% and 54.2%, respectively.