

Farmers' Knowledge regarding Safety and occupational Sanitation in Vegetable Pest Control at some Villages of Sharkia Governorate

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Abstract

The main objectives of the research were: to determine level of farmers' knowledge regarding technical recommendations related to occupational and safety and occupational sanitation in vegetable pest control; to identify relationship between level of farmers' awareness concerning implementing technical recommendations related to safety and occupational sanitation in vegetable pest control and some personal studied independent personal variables; and to identify different sources of farmers' knowledge in that concern.

The research was conducted during the period January – April, 2017. A random systematic sample was drawn. The drawn sample encompassed 200 vegetable farmers of Al-Bassatin, Al-Azazi Al-Gadida villages (Agricultural Administration of Al-Salhia Al-Gadida; and Kassasin Al-Shark, and Samakin Al-Shark (Agricultural Administration of Kassasin Al-Shark).

The research data were collected during April, 2017. A written questionnaire and interpersonal interviews were used in collecting the obtained research data. Frequencies, Arithmetic mean, percentage and frequencies were used in analyzing the accrued research data.

The main findings of the research were as the following:

- 1- 71% of the research participants were of high awareness level concerning implementing safety and occupational sanitation conditions in vegetable pest control.
- 2- About three quarters of the research participants (71%) were of medium awareness level regarding implementation of safety and occupational sanitation conditions in vegetable pest control before spraying.
- 3- 46% of the research participants were of high awareness level concerning implementation of safety and occupational sanitation conditions in vegetable pest control after spraying.
- 4- 54% of the research participants were of medium awareness level, as a whole, regarding implementation of safety and occupational conditions in vegetable pest control during spraying.
- 5- 58% of the research participants were of medium awareness level regarding implementation of safety and occupational pest control in vegetables.
- 6- There was a significant relationship between research participants' awareness regarding implementation of safety and occupational

conditions in vegetable pest control and their personal independent variables of age, educational status, agricultural ownership size, going forth and back to agricultural service centers, and innovativeness degree.

- 7- Neighbors, agricultural extension agent, and agricultural extension lectures were the most important sources of research participants' information regarding implementing safety and occupational sanitation.