

## **The Training Needs of Agricultural Extension Workers in the Fields of Pest Control Tomato Crop in Fayoum Governorate**

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### **Abstract**

The main objectives of this research were to determining: knowledge training needs of Agricultural Extension Workers (AEW) in the fields of pest control that affects the tomato crop in the research area, and relationship between the total degree of knowledge training needs of the AEW surveyed in the field of pest control, And some of the studied independent variables. The research population was represented in all the AEW in Fayoum governorate centers of 500 AEW .

A sample representing 50% of the total population, Data were collected by personal interview with the respondents using a questionnaire form during the period from April to May 2016. Frequencies and percentages Rang were used in the presentation and analysis of data, and also the simple correlation coefficient of Pearson (r) was used to determine the Correlation relationships.

**The most important results of the research could by summarized as follows:**

- 83.6% of the respondents had a medium degree of knowledge training needs for natural control. In the field of mechanical control, 66.4% of the respondents had medium degree of knowledge training needs. In the field of biological control, 71.2% of the respondents had a medium degree of knowledge training need. In the field of chemical control, of the respondents (62.8%) have a medium degree of knowledge training needs+.
- in the field of Legislative control shows that (68%) of the respondents have medium degree of knowledge training needs, and that in the field of self-control, it was found that 63.2% of the respondents had medium degree of knowledge training need, and that the total degree Knowledge Training needs of areas of tomato pest control according to 64% of the respondents have a medium degree of knowledge training needs.
- There were negative significant relationships at 0.01 among the total degree of knowledge training needs in the total areas of tomato crop pest control and three independent variables: ' The degree of the attitude toward modernization, and the degree of achievement motivation. Also

there is a negative significant relationship at 0.05 with the degree of attitude towards training.