

Thesis title

The Study On Farmers' Behaviors Regarding  
The Insecticide Utilization At Ban Phaeo  
District, Samut-Sakhon Province.

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#### ABSTRACT

The purpose of this research was to study the farmers' behaviors regarding insecticide utilization at Ban Phaeo district, Samut-Sakhon province by studying personal characteristics and motivational factors. Data were collected by interviewing 280 farmers who use insecticides at Ban Phaeo district, Samut-Sakhon province. The research results are summarized as follows :

Most of farmers' behaviors regarding insecticide utilization were moderately accurate. Based on information concerning personal characteristics such as sex, age, educational level, income per year and period of insecticide utilization, it was shown that the group which was the most accurate in insecticide utilization had the following characteristics : female, 25-34 years of age, educational

level of Prathom 4 or lower annual income of 150,000 or lower and 5 or lower years of experience with insecticide utilization. However all these factors were not statistically significant.

The motivational factors investigated in this study were sources of news concerning insecticides utilization, experience with harmful effect of insecticides, health values and knowledge about insecticide utilization. Results revealed that health values and knowledge about insecticide utilization significantly influenced the proper utilization of insecticide ( $p < 0.05$ ). Farmers who experienced the harmful effects of insecticides by themselves and who learned about these effects from their own family members or neighbors were found to have the highest accuracy in insecticide utilization.

It is recommended that insecticide knowledge be taught in intensive courses and demonstrations for farmers, to enable them to develop proper health value.