

KNOWLEDGE AND PRACTICE OF PESTICIDE USE TO PROTECT FARMERS' HEALTH IN AGRICULTURE PRODUCTION IN CAN THO CITY IN 2021 - 2022

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ABSTRACT

Background: For many years, Insecticide poisoning has always been a leading issue in healthcare for the community, especially in developing countries. If it is used improperly, insecticides can adversely affect human health. The study identifies that the ratio of having knowledge and proper practices about using insecticide helps us to prevent people and the environment from harmful effects as well as risk factors in the future. **Objective:** Determines the ratio of knowledge and practice to protect the health of farmers when using insecticides and figure out some associated factors involved in Can Tho city in 2021-2022. **Materials and methods:** A cross-sectional descriptive study on 400 farmers over 18 years old be randomly chosen on the system in Can Tho city in 2021 – 2022 by interviewing a questionnaire. **Results:** The percentage of farmers having general knowledge is 12.75% and knowing how to practice is 51.25%. Especially, knowing of the meaning of colored lines is still low (4.0%), the knowledge and practice of processing insecticides residues after spraying are very low (4.0% and 5.3%), and the knowledge of the way to deal with insecticide poisoning is low (47.3%) and using protective clothing (91.8%). There is involvement between Academic level, Years of exposure, Cultivated area, being trained knowledge and practice for using insecticide ($p < 0.05$). **Conclusions:** People's knowledge about using an insecticide is still limited. Therefore, we recommend promoting the propagation of these issues via social media, improving knowledge of using safely of insecticides for farmers, and strictly handling violations.

Keywords: Knowledge, practice, pesticides, insecticide, Can Tho.