

**APPLICATION OF FARMER FIELD SCHOOL APPROACH FOR  
PESTICIDE-FREE VEGETABLE PRODUCTION  
IN PERI-URBAN AGRICULTURE SYSTEM**

**CHORPAKA WANEESORN**

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF MASTER OF SCIENCE  
(AGRICULTURE)  
IN AGRICULTURAL SYSTEMS**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University

All rights reserved

**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

**MAY 2004**

APPLICATION OF FARMER FIELD SCHOOL APPROACH FOR  
PESTICIDE-FREE VEGETABLE PRODUCTION  
IN PERI-URBAN AGRICULTURE SYSTEM

CHORPAKA WANEESORN

THIS THESIS HAS BEEN APPROVED  
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF MASTER OF SCIENCE (AGRICULTURE)  
IN AGRICULTURAL SYSTEMS

EXAMINING COMMITTEE

*Phrek Gypmantasiri*  
..... CHAIRPERSON  
Lect. Phrek Gypmantasiri

*Tavatchai Radanachales*  
..... MEMBER  
Assoc. Prof. Dr. Tavatchai Radanachaless

*Avorn Opatanakit*  
..... MEMBER  
Asst. Prof. Dr. Avorn Opatpatanakit

*Kuson*  
..... MEMBER  
Lect. Kuson Thong-ngam

3 May 2004

© Copyright by Chiang Mai University

## ACKNOWLEDGEMENT

First of all, I would like to express my deepest gratitude to Lect. Phrek Gypmantasiri, my thesis supervisor, for his invaluable guidance, constructive suggestions and constant encouragement throughout my study. I would also express sincere appreciation to my thesis committee members, Assoc. Prof. Dr. Tavatchai Radanachaless, Asst. Prof. Dr. Avorn Opatpatanakit and Lect. Kuson Thong-ngam for their guidance and useful suggestion.

With regards, gratefully thanks are also extended to all lectures and staff of Multiple Cropping Center, Faculty of Agriculture, Chiang Mai University for sharing their knowledge and assistance during my study. Special thanks are extended to Miss Woralex Suthewattana and Miss Budsara Limmirankul for their encouragement and moral support.

I am deeply grateful to Asst. Prof. Dr. Amphan Bhromsiri for her advice on farmer training on soil and nutrient management. The thankfulness also extended to Mr. Sakmontri Nachaiviang for his advice on disease management. I would like to extend the appreciation to Mr. Jaturong Phuangmanee for his patience and guidance during the field study. I am thankful to the staff of the Institute for Biological Agriculture and Farmer Field Schools (IBAFFS) and Plant Protection Unit, Chiang Mai, for their collaboration in farmer training on pest management. I wish to thank all farmers at Ban Ping Noi for their patience and participation in our discussion.

I sincerely thank all of my friends in Agricultural Systems Program for their friendships and supports.

Finally, I send my wholehearted gratitude to my family for their love, understanding and moral encouragement. Above of all, I would like to dedicate the success of this study to my father.

Chorpaka Waneesorn