

**ASSESSMENT OF FARMER FIELD SCHOOL APPROACH  
FOR INTEGRATED PEST MANAGEMENT IN  
CABBAGE PRODUCTION IN CAMBODIA**



**RASMEY HAY**

**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  
SEPTEMBER 2004  
ISBN 974-9806-85-9**

**ASSESSMENT OF FARMER FIELD SCHOOL APPROACH  
FOR INTEGRATED PEST MANAGEMENT IN  
CABBAGE PRODUCTION IN CAMBODIA**



**RASMEY HAY**

**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  
SEPTEMBER 2004  
ISBN 974-9806-85-9**

ASSESSMENT OF FARMER FIELD SCHOOL APPROACH  
FOR INTEGRATED PEST MANAGEMENT IN  
CABBAGE PRODUCTION IN CAMBODIA

RASMEY HAY

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

*Kamol Ngamsomsuke*  
.....  
Lect. Dr. Kamol Ngamsomsuke

Chairperson

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

Member

*Tavatchai Radanachalee*  
.....  
Assoc. Prof. Dr. Tavatchai Radanachalee

Member

*Anan Polthanee*  
.....  
Assoc. Prof. Dr. Anan Polthanee

Member

13 September 2004

© Copyright by Chiang Mai University

## ACKNOWLEDGEMENTS

I would like to convey my sincere gratitude to Royal Government of Cambodia, Ministry of Agriculture, Forestry and Fisheries for allowing me to pursue my study in Thailand. My personal appreciation to the Late H.E. Chhea Song, former minister and H.E. Chan Sarun, the present minister of MAFF; H.E. Chan Tong Yves and H.E. May Samoeun, Secretary of State of MAFF; H.E. Koum Saron, Director General of MAFF; Ms. Heng Sokun, Director of Bilateral Aid Coordination Department, Japan-Asia-America, and Director and Deputy Director of Personnel and Human Resources Department without whose support I would not have availed this scholarship. My sincere appreciation goes to the Department of Technical and Economic Cooperation (DTEC) and their officers, Thailand for providing financial support to undertake this study.

My utmost appreciation and profound gratitude to Lect. Dr. Kamol Ngamsomsuke, my academic and thesis advisor, for his invaluable guidance, constructive suggestions and constant encouragement throughout my graduate study. His strong support and enthusiasm provided me with great self-confidence and motivation needed to finish my thesis. My special thanks are also extended to other three committee members: Lect. Phrek Gypmantasiri, Assoc. Prof. Dr. Tavatchai Radanachaless, and Assoc. Prof. Dr. Anan Polthanee for their constructive advices and comments that helped lead to a successful completion of this paper.

For all the support, care and guidance, I would like to express my sincere appreciation to Assoc. Prof. Dr. Benchaphun Ekasingh, Assoc. Prof. Dr. Aree Wiboonpongse, Assoc. Prof. Dr. Attachai Jintrawet, Asst. Prof. Dr. Sakda Jongkaewwattana, Asst. Prof. Dr. Sunthorn Buranaviriyakul, Asst. Prof. Dr. Chanchai Sangchyoswat, Lect. Dr. Methi Ekasingh, Lect. Dr. Jirawan Kitchaicharoen and Lect. Laxmi Worachai. I would also like to express my thanks to Ms. Woraluck Suteerawantana for her consistent support and finding time to help not only me alone but also all the students at Multiple Cropping Center.

Special thanks are extended to Mr. Tayan Raj Gurung, who gave advices and comments relevant to analytical methods of this thesis and to all my AGS staff and friends from Bhutan (especially recognition goes to Mr. Dophu Dukpa, Mr. Bhim Raj Gurung and Mr. Kailash Pradhan), Burmese, Nepalese, Sri Lankan, Thai and Vietnamese for their substantial help, nice hospitality, sharing experience, good cooperation and friendly environment. It has been a great pleasure to have companions like you all. I will vividly remember all those educative discussions and motivating words that kept me going.

I wish to express my thanks for a warm brotherhood shared by my Cambodian countrymen, Mr. Tang Sochetra, Mr. Ker Monthivuth, Mr. Seng Sovathana, Mr. Pech Sithan, Mr. Sao Sithuon, Mr. Kep Poch, Mr. Thoun Try, Mr. Than Sovyra and sister Bun Sieng, and Khem Chea Chakrya from whom I have learnt a lot from their experiences and good characters during my stay in Chiang Mai.

In addition, with regard to my field work, I would like to express my sincere gratitude to Director and Deputy Director of Agronomy and Agricultural Land Improvement Department; Siem Reap Provincial Department of Agriculture, Forestry and Fisheries; National IPM Program and Srer Khmer Organization for their kind supports and facilitations which contributed significantly to the fulfillment of my field survey in Cambodia. These people are: Mr. Pen Vuth, Acting Director of Agronomy and Agricultural Land Improvement Department and Director of National IPM Program; Mr. Ngim Chhay, Vice Director of National IPM Program, and his staff Mr. Kong Kea, Mr. Neak Thon, Mr. Oum Eng Setha, Mr. Ngy Sarith and Ms. Pan Sodavy; Mr. Yech Polo, an IPM specialist of Food and Agriculture Organization of the United Nations, Ms. Yim Vuthang, Mr. Sean Poly for their support, without which it would have been difficult to conduct the field work so efficiently. Furthermore, I would like to thank Mr. Put Leoum, an IPM trainer and Mr. Put Chheoum, an IPM farmer trainer, and his colleagues for their help with the interviews, and all the farmers in Samraong commune, who spent their valuable time giving me information during my lengthy interviews and tirelessly participated in seminars. Their honesty and generosity can never be adequately compensated.

Finally, my greatest appreciation goes to my loving parent, parent in-laws. I take this opportunity to dedicate this thesis to them for the love, care and blessings they have bestowed upon me. Special gratefulness is extended to my beloved uncles, aunties, brothers, sisters, nephews and nieces both in Cambodia and in Thailand for their continuous financial support, especially their encouragement and wonderful sacrifices, which greatly benefited my study. I would not have completed my study as smoothly as I could, if my precious wife would not have taken all the trouble to manage our home. To my wife, Sreng Sive Chheng (Suweemone Wisethanouphong) let me take this opportunity to earnestly express my gratitude for being so considerate and constantly providing me the much needed moral support and encouragement. Without her support I would not have made it.

**Rasmey HAY**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่  
Copyright© by Chiang Mai University  
All rights reserved