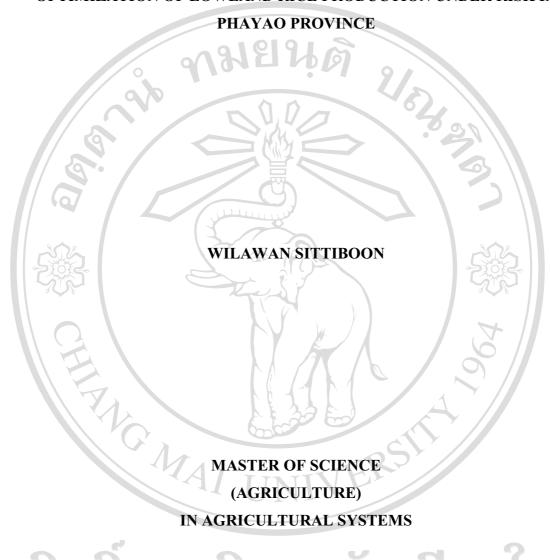
OPTIMIZATION OF LOWLAND RICE PRODUCTION UNDER RISK IN



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright[©] by Chiang Mai University All rights reserved

THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
JANUARY 2009

OPTIMIZATION OF LOWLAND RICE PRODUCTION UNDER RISK IN

PHAYAO PROVINCE

WILAWAN SITTIBOON

A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

> FOR THE DEGREE OF MASTER OF SCIENCE (AGRICULTURE)

IN AGRICULTURAL SYSTEMS AUANSUM DINUSTRAL SYSTEMS Copyright[©] by Chiang Mai University All rights reserved

THE GRADUATE SCHOOL **CHIANG MAI UNIVERSITY JANUARY 2009**

OPTIMIZATION OF LOWLAND RICE PRODUCTION UNDER RISK IN PHAYAO PROVINCE

WILAWAN SITTIBOON

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

CHAIRPERSON Assoc. Prof. Dr. Benchaphun Ekasingh

MEMBER

Asst. Prof. Dr. Kamol Ngamsomsuke

MEMBER
Dr. Methi Ekasingh
Dr. Me Copyright[©] by Chiang Mai University All rights reserved

14 January 2009

© Copyright by Chiang Mai University

ACKNOWLEDGEMENT

I would like to acknowledge the support of several people and institutions that contributed to the completion of my Masters Program at the Chiang Mai University in Thailand.

I would like to express my deepest gratitude and sincere appreciation to Associate Professor Dr. Benchaphun Ekasingh, my supervisor and chairman of my thesis committee, for the invaluable contributions, generous guidance and encouragement throughout this thesis preparation. I am grateful to Assistant Professor Dr. Kamol Ngamsomsuke and Dr. Methi Ekasingh, members of committee, for their constructive criticisms and comments on the research contents.

It is my great pleasure to also thank all lecturers of Multiple Cropping Center, Faculty of Agriculture, Chiang Mai University who shared knowledge and experiences to enable me to successfully complete my study.

My appreciations are extended to the officers of Phayao Department of Internal Trade and Department of Phayao Agriculture, as well as all interviewees including farmers in the study area for their help and kind cooperation. In this opportunity, I would like to express my gratitude to Multiple Cropping Center for providing me a partial scholarship. I would like to acknowledge and thank my sponsor, the Rockefeller Foundation, for granting the scholarship throughout my graduate program.

I am thankful to all my friends and members of Agricultural Systems Program for exchanging academic knowledge with me.

I dedicate this thesis to my parents and brother for their love, patience, inspiration and encouragement.