FACTORS DETERMINING RICE YIELD AND TECHNICAL EFFICIENCY IN HATAY PROVINCE, VIETNAM

LE THI MINH CHAU

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
APRIL 2003

FACTORS DETERMINING RICE YIELD AND TECHNICAL EFFICIENCY IN HATAY PROVINCE, VIETNAM

LE THI MINH CHAU

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

Assoc. Prof. Dr. Aree Wiboonpongse Lect. Dr. Songsak Sriboonchitta	CHAIRMAN MEMBER
Lect. Laxmi Worachai	MEMBER
Lect. Dr. Kamol Ngamsomsuke	MEMBER TIVE SITY



auansuk on the augustian a

Acknowledgements

I would like to express my gratitude to many people who have provided valuable assistance throughout my graduate study and thesis research.

First of all, I sincerely express my profound gratitude and respect to Assoc. Prof. Dr. Aree Wiboonpongse, my academic advisor, for her intellectual stimulation, invaluable guidance and comments, and heartfelt support throughout my graduate study. This study would not have completed without her supervision and invigoration.

I am greatly indebted to Lect.Dr. Songsak Sriboonchitta, Lect. Laxmi Worachai, and Lect. Dr. Kamol Ngamsomsuke, my thesis committee members, who have provided me with valuable comments and suggestions at various stages of thesis.

It is my great pleasure to thank to all lecturers of Multiple Cropping Center, Faculty of Agriculture, Chiang Mai University who shared knowledge and experiences to complete my study successfully. I am special thankful to Ms. Woraluck, the program's secretary for her kindness helpful in every aspect of administrative matter.

I am very grateful to my sponsor, the Ford Foundation, for their scholarship throughout my graduate study. My profound thank goes to my leaders, lecturers, and colleagues in Hanoi Agricultural University, as well as Faculty of Economic and Rural Development for their encouragements and supports. I may be ungrateful if I don't thank the interviewees, whose patience and sincerity in answering the survey questionnaire made this study possible.

I would like to extend my thanks to all Agricultural Systems students from batch of 2001-2003 with whom I enjoyed my study and shared ideas, particularly Mr. Giam, Mrs. Chuc, Mr. Trung, and Mr. Dojee. My heartfelt thanks to Ms. Puttawan, Mr. Un Akarapong, Thai friends, for their kind helps. I would also like to take this

opportunity to acknowledge oversea Vietnamese for their supports during my stay in Chiang Mai, especially Mr. Chinh, Mrs. Van, and Mr. Quynh.

Last but not the least, I am blessed with the love, patience, inspiration and encouragement of my parents Mr. Le Xuan Ky, Mrs. Tran Thi Vinh, my sister Mrs. Le Thi Thanh Loan, and my brother Mr. Phan Tuan Anh. My love and my heart are always with my devoted and beloved husband, Mr. Le Van Hong, who shares his every happiness and supportive of any endeavor I undertake.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright © by Chiang Mai University All rights reserved