

**A COMPARISON OF THE POTENTIAL ECONOMIC BENEFITS FROM TWO
TYPES OF SMALL SCALE NEEM TREE FARMING IN THAILAND**

BRIAN K. CUTSHALL

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTERS OF ECONOMICS**

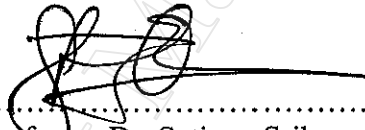
**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
APRIL 1999**

A COMPARISON OF THE POTENTIAL ECONOMIC BENEFITS FROM TWO
TYPES OF SMALL SCALE NEEM TREE FARMING IN THAILAND

BRIAN K. CUTSHALL

THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTERS OF ECONOMICS

EXAMINING COMMITTEE



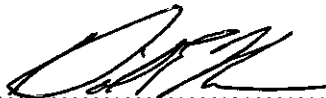
.....
Assistant Professor Dr. Satiean Sriboonruang

CHAIRMAN



.....
Assistant Professor Dr. Benchaphun Eakasingh

MEMBER



.....
Dr. David Thomas

MEMBER

2 April 1999

© Copyright by the Graduate School, Chiang Mai University

Acknowledgements

The author would like to express his warmest gratitude and thanks to Assistant Prof. Dr. Satiean Sriboonruang who has given guidance both in regards to writing this study and to adjusting to life in Thailand. His patience and kind encouragement meant a great deal to the author, and truly made the completion of this thesis possible. The author would also like to express his deepest appreciation to Dr David Thomas and Assistant Prof. Dr. Benchaphun Aekasingh for sacrificing their time and energy to examining and making helpful suggestions that were used in the completion of this paper.

Research into the Sadao Thai neem tree would not have been possible if it were not for the kind assistance of many different groups of people. First, the author would like to thank Mr. Pak Chung and all the others at the Neem Co., Ltd. who taught the author a great deal about the neem tree in general, and who drove the author around the Northeast to measure the height and DBH's of different size neem trees. Dr. Pongsak Sahunalu of the Faculty of Forestry, Kasetsart University provided essential data used in the simple Sadao Thai wood volume estimation used in this study, for which the author is sincerely grateful. The author would also like to express his deepest gratitude to all of the people at the Royal Forestry Department who offered ideas and help find data on the Thai neem tree and its cultivation in Thailand.

The author is also grateful to Mr. Wachira Khopong, who made the investment analysis of the Sadao Tawai neem tree possible by providing data and expert advise concerning Sadao Tawai cultivation.

Recognition is also due to Dr. Ronald Nairn and his kind wife Mona, who inspired the author to both study in Thailand to write this financial and economic study of the Thai neem tree.

Pramot Ongvisit and Thalearnsak Noodprahan have given their unwavering friendship and assistance through out the time the author has studied at Chiang Mai University. The value of their friendship is truly beyond compare.

The love, support, and motivation given by Kannigar Changpradith-Cutshall must also be recognized for the benefits that they provided the author on a daily basis.

Finally, the author would also like to recognize and say thank you to Robert and Evelyn Cutshall who made many emotional and financial sacrifices so that the author could live and study in Thailand. Their love and compassion have never been taken for granted.

Any flaws or errors in this thesis were made on the part of the author, who accepts sole responsibility for them.

Brian K. Cutshall