## MODELING OF SUGARCANE FLOWERING

SARINTHIP PROMRIT

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

GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
OCTOBER 2000

### MODELING OF SUGARCANE FLOWERING

### SARINTHIP PROMRIT

## 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**

CHAIRMAN

Asst. Prof. Dr. Attachai Jintrawet

MEMBER

Asst. Prof. Dr. Sakda Jongkaewwattana

MEMBER

Lect. Dr. Methi Ekasingh

Luck Lander Lower MEMBER

Dr. Preecha Prammanee

19 October 2000 © Copyright by the Graduated school, Chiang Mai University

### **ACKNOWLEDGMENTS**

This study would not completed without the association of several persons.

I express my appreciation to Dr. Attachai Jintrawet and all my committee members for their advice and constructive criticism from the thesis proposal to this document.

I would like to thank my friends in the Agricultural Systems program and my colleague of the Development and Validation of Sugarcane Model in Thailand Research Project during the course of this study, Khun Prakan Sringam for help in developing computer program for the ScFM model.

I am particularly grateful to the Central Laboratory of Agricultural Faculty, Chiang Mai University, where provided the stereomicroscope and the Multiple Croping Center, where provide the experimental field.

This work may not be possible without financial supports from Thailand Research Fund (TRF) and Multiple Croping Center (MCC) in making this study a success.

Lastly, I dedicate this work to my parents, who have always given me support in whatever path I have chosen.

Sarinthip Promrit