



**EFFECTS OF ORGANIC AND CLAY MATERIAL AMENDMENTS
ON SUGARCANE PRODUCTION IN A DEGRADED SANDY
SOIL OF NORTHEAST THAILAND**

MISS ROCHANA TANGKOONBORIBUN

**A THESIS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY
KHON KAEN UNIVERSITY**

2006

ISBN 974-626-652-7

**EFFECTS OF ORGANIC AND CLAY MATERIAL AMENDMENTS
ON SUGARCANE PRODUCTION IN A DEGRADED SANDY
SOIL OF NORTHEAST THAILAND**

MISS ROCHANA TANGKOONBORIBUN

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF DOCTOR OF PHILOSOPHY
IN SOIL SCIENCE
GRADUATE SCHOOL KHON KAEN UNIVERSITY**

2006

ISBN 974-626-652-7



THESIS APPROVAL
KHON KAEN UNIVERSITY
FOR
DOCTOR OF PHILOSOPHY
IN SOIL SCIENCE

Thesis Title : Effects of Organic and Clay Material Amendments on Sugarcane
Production in a Degraded Sandy Soil of Northeast Thailand

Author : Miss Rochana Tangkoonboribun

Thesis committee	Associate Professor Dr. Surasak Seripong	Chairperson
	Dr. Andrew Duncan Noble	Member
	Assistant Professor Dr. Sawaeng Ruaysoongnern	Member
	Associate Professor Dr. Patma Vityakon Rambo	Member
	Dr. Banyong Toomsan	Member

Thesis advisors:

Sawaeng Ruaysoongnern
..... **Advisor**

(Assistant Professor Dr. Sawaeng Ruaysoongnern)

Patma Vityakon Rambo
..... **Co-Advisor**

(Associate Professor Dr. Patma Vityakon Rambo)

Banyong Toomsan
..... **Co-Advisor**

Sommaipriperm
..... (Dr. Banyong Toomsan)

Assanee Pachinburavan
.....

(Associate Professor Dr. Sommai Priperm) (Assistant Professor Dr. Assanee Pachinburavan)

Dean, Graduate School

Dean, Faculty of Agriculture

Copyright of Khon Kaen University