PERFORMANCE OF CONTRACT SEED POTATO PRODUCTION SYSTEM IN BHUTAN

2/52/37

BHIM RAJ GURUNG

MASTER OF SCIENCE (AGRICULTURE) IN AGRICULTURAL SYSTEMS

ລິ<mark>ບສິກລິ້ມหາວົກຍາລັຍເຮີຍວໃหມ່</mark> Copyright © by Chiang Mai University All rights reserved

> THE GRADUATE SCHOOL CHIANG MAI UNIVERSITY APRIL 2005 ISBN 974-9885-14-7

PERFORMANCE OF CONTRACT SEED POTATO PRODUCTION SYSTEM IN BHUTAN

2/52/33

BHIM RAJ GURUNG

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

ลือสิทธิ์มหาวิทยาลัยเชียอใหม่ Copyright © by Chiang Mai University All rights reserved

> THE GRADUATE SCHOOL CHIANG MAI UNIVERSITY APRIL 2005 ISBN 974-9885-14-7

PERFORMANCE OF CONTRACT SEED POTATO PROUCTION SYSTEM **IN BHUTAN**

BHIM RAJ GURUNG

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

Copyr

Are libeCHAIRPERSON Assoc. Prof. Dr. Aree Wiboonpoongse

Lewing MEMBER

...MEMBER

Asst. Prof. Dr. Pattana Jierwifiyapant

Ratava To Hu's uwan Lecturer Dr. Ratana Pothisuwan

25 April 2005 © Copyright by Chiang Mai University

Acknowledgements

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, Thailand.

First let me take this opportunity to sincerely thank all the teaching and nonteaching staff of Multiple Cropping Center, Faculty of Agriculture, Chiang Mai University for extending their full support during my two years of stay in Chiang Mai.

I would like to express my heartfelt thanks and gratitude to Dr. Aree Wiboonpoongse, my Thesis Advisor for all her support, encouragement, and excellent supervision in the process of designing and writing this research paper. I am highly grateful to her for making her papers on contract farming available for my research. Many thanks are also due for my committee members, Ajarn Phrek Gypmantasiri and Dr. Pattana Jierwiriyapant, for their kind support and valuable comments.

I would also like to express my gratitude to Ministry of Agriculture, Royal Government of Bhutan for allowing me to pursue my study in Thailand. My personal appreciation to my former Managing Director, Jambay Dorjee and Mr Pirthiman Pradhan, the Managing Director DSC, without whose support I would not have availed this scholarship. My sincere appreciation goes to the German Technical Cooperation (GTZ) for providing financial support to undertake this study.

With regard to my field work, I would like to express my sincere gratitude to Pirthiman Pradhan, Managing Director, DSC, Pushpa Raj Gurung, Field Crop Coordinator, RNR RC, Yusipang, Dr. Walter Roder, Coordinator, Bhutan Potato Development Program, Karma Nidup, Potato Co-odrinator, Tayan Raj Gurung, Thirta Katwal, Suraj Chettri, Kesang Tshering, Wandgila, Thilachand Sharma, Sonam, Kinley Dorji, Lek Dorji, Tshering Yandden, Dzeko Dukpa and to all DSC staffs, DAO Bumthang, Extension staff Ura and Santa Bir Rai, Extension Staff Sephu for their support without which it would have been difficult to conduct the field work so efficiently. To all the seed growers and other farmers who diligently participated in survey, consultative workshop and expressed their view on the operating mechanism of DSC, I would like to express my appreciation. There are yet many more who extended their help to me along the way in past two years both personal and professional, to all of them I extend my sincere appreciation.

My sincere appreciation goes to Ajarn Phrek for all the support, care and guidance. I would also like to express my appreciation to Ms. Woraluck Suteerawantana (Khun Om) for her consistent support to all the students as and when required even when she was sick.

Mr Tayan Raj Gurung, who helped me to design the format for analysis. I would like to sincerely express my gratitude and appreciation for his effort to make me understand. I would like to sincerely express my gratitude for your moral and professional support and encouragement provided. I extremely appreciate your comments and efforts in making me understand and improve my research capacity.

I would like to thank my friends Dophu, Kailash, and Yadu for their support; guidance and making me feel like homely. Thanks to Bhawani, Bista, Duc, Ha, Wattana, Kumudu, Peiris and all the AGS students Multiple Cropping Center, Faculty of Agriculture, for their moral and academic support, which I highly value.

I take this opportunity to dedicate this thesis to my father Mr. Amber Singh Gurung and to my Late brother Dasho L.B. Gurung for all the support that they had provided to educate me and the love, care and blessings bestowed on me. Let me take this opportunity to earnestly express my gratitude to all my family members and relatives for constantly providing me moral support and encouragement. Without their support I would not have made it.

Bhim Raj Gurung