

Small Ruminant Research and Development Highlights

E.M. CRUZ, F.L. PORCIUNCULA, N.R. CARBONEL
Editors



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Republic of the Philippines
CENTRAL LUZON STATE UNIVERSITY
Muñoz, Nueva Ecija

Office of the President

To our Valued Readers:

We take pride in presenting to you this publication "Small Ruminant R and D Highlights" which brings to fore significant findings on goat and sheep research and development activities.

This volume compiles vital and relevant research on small ruminants made possible through the concerted efforts of scientists, researchers and students of the Central Luzon State University. Aside from the technical research results, an added feature of this publication is the inclusion of the small ruminant package of technologies and the chevon dishes from the Philippines, Indonesia, Bangladesh and Thailand for your own delight. It is hoped that this publication will prove useful to research institutions, researchers, administrators and students as a reference material and as source of information for sound research planning and decision-making.



FORTUNATO A. BATTAD
President

Republic of the Philippines
CENTRAL LUZON STATE UNIVERSITY
Muñoz, Nueva Ecija

**Office of The Vice President for Research,
Extension and Training**

To our Readers:

This publication "Small Ruminant R and D Highlights" packaged by the Research Office of Central Luzon State University serves as a valuable reference for intended users who may find the research results informative and reinforce their knowledge about goat and sheep. This forms part of our continued commitment to intensify information dissemination and make available to a wider base our research results on small ruminants.

We do hope that this piece of work will stimulate greater interest and enthusiasm among scientists, researchers, students and research institutions for the furtherance of small ruminant research and development in the country.


HONORATO L. ANGELES
VP for RET

Republic of the Philippines
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Muñoz, Nueva Ecija

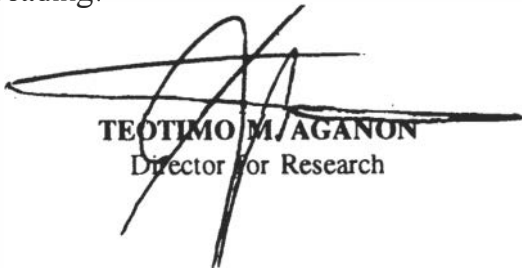
Office of the Director for Research

To Our Dear Readers:

It has always been our desire to make available to a wider audience the research results conducted at CLSU. It is therefore with great pleasure to present to you this publication “Small Ruminant R and D Highlights” which integrates the research and development activities on goat and sheep.

This publication is envisioned to become instrumental in enhancing greater efforts toward goat and sheep development in the country.

Godspeed and happy reading!



TEOTIMO M. AGANON
Director for Research

Republic of the Philippines
CENTRAL LUZON STATE UNIVERSITY
Muñoz, Nueva Ecija

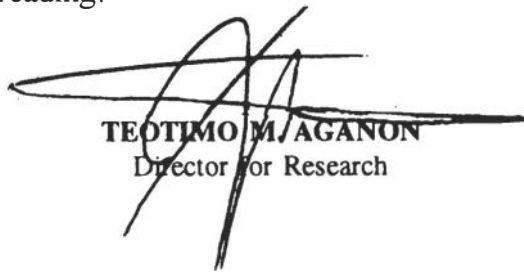
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TEOTIMO M. AGANON
Director for Research

Preface

A renewed effort to establish household food security particularly in rural areas must encompass integrated measures to promote agriculture. Development programs emphasizing actions toward this end must center primarily on strengthening rural families' ability to produce their own food. Small ruminant production possesses the potential to contribute to household food security realizing the advantages it has to offer such as the ease by which goat and sheep can be integrated in the farming systems of farmers and the provision of cheap source of meat and milk, found essential in our daily food needs.

This publication which provides valuable information on research and development activities on small ruminants is hoped to eventually spur greater efforts towards an intensive goat and sheep program in the countryside. The program shall be instituted in the hope of achieving household food security in particular, and the overall food security in general.

It is with great pleasure to acknowledge the following men and women who have shared their valuable time and effort to make this publication a desired reality:

Prof. Fe L. Porciuncula and Ms. Nenita R. Carbonel for assisting me in integrating the research results culled from the productive efforts of CLSU scientists, researchers and students, as well as in editing the manuscript and worked their creative brain cells to design the cover of the publication:

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Dr. Artemia L. Ferrer and the staff of Development-Based Resources and Systems Research for the inclusion of the compiled recipes packaged for easy reference on economical and palatable chevon dishes;

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EMILIO M. CRUZ

Director, Small Ruminant R & D Center

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