

The World's Largest Open Access Agricultural & Applied Economics Digital Library

## This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
<a href="http://ageconsearch.umn.edu">http://ageconsearch.umn.edu</a>
aesearch@umn.edu

Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.

### PROCEEDINGS OF THE

SEVENTEENTH

# WEST INDIES AGRICULTURAL ECONOMICS CONFERENCE

SECOND PRINTING

Lloyd B. Rankine

**EDITOR** 

Published by

DEPARTMENT OF AGRICULTURAL ECONOMICS & FARM MANAGEMENT Faculty of Agriculture
The University of the West Indies
St. Augustine, Trinidad, West Indies

for

Caribbean Agro-Economic Society 1986



#### EDITOR'S NOTE

The Seventeenth West Indies Agricultural Economics Conference sponsored by the Caribbean Agro-Economic Society was held on the St. Augustine Campus, The University of the West Indies. The main theme was "Agribusiness - The Way Forward for Caribbean Agriculture".

In the preparation of these Proceedings, we have had the assistance of several individuals. We are indeed grateful for this support. Special thanks are due to National Institute for Higher Education, Research, Science and Technology (NIHERST) for their contributions towards financing the preparation of these Proceedings and to the Department of Agricultural Extension for assistance with the printing work. Rajendra Rastogi and Helen Pyne-Timothy of the Departments of Livestock Science and Language & Linguistics, respectively, assisted with editorial matters. Editorial assistance was also received from Members of the Executive - Caribbean Agro-Economic Society.

Once more, I should like to express deep gratitude to the technical and supporting staff of the Department of Agricultural Economics & Farm Management for their contribution, especially Mrs. H. Mohammed for her patience and skills in typing these Proceedings.

LLOYD B. RANKINE Editor

## CONTENTS

EDITOR'S NOTE	ν
OPENING SESSION:	
Address of the President Carlisle A. Pemberton	2
Feature Address	4
Opening Address presented by Dr. Patrick Alleyne on behalf of The Hon. Mr. Kamaludin Mohammed	8
PLENARY SESSIONS:	
PLENARY SESSION I: CONCEPTS AND DIMENSIONS IN AGRIBUSINESS	
Conceptual and Operational Issues Involved in Agribusiness Management in Developing Countries . Thomas S. Clevenger	12
A Profile of Agribusiness Enterprises in the Carlbbean Ranjit II. Singh, Lloyd B. Rankine & Suresh Birla	17
Some Thoughts of Financial and Managerial Constraints to Agribusiness in Trinidad Deen Saldwan	.31
PLENARY SESSION II: AN AGRIBUSINESS ORIENTATION FOR COMMODITY MARKETING IN THE CARIBBEAN	
The Outlook for a Commercial Orientation of Commodity Organisations in the Region J. Bernard Yankey	34
A Marketing Thrust in Developing Non-Traditional Commodities: The Barbados Experience	39
Removing Constraints Within the Cocoa Industry of Trinidad and Tobago Carlisle A. Pemberton	43
PLENARY SESSION III: COMPUTER TECHNOLOGY AND EFFECTIVE AGRIBUSINESS MANAGEMENT	
The Homestead Farm Management System L.A. Rigaux	50
Computing Power and Information Poverty: The Dilemma of Frinidad and Tobago	53

1

## PLENARY SESSION IV: TRAINING AND RESEARCH NEEDS IN AGRIBUSINESS FOR THE CARIBBEAN

Management Control Guidelines for Effective Agribusiness Research: A Case Study of the Sugarcane Feeds Centre	59
Training in Agribusiness for Students from Developing Countries Carlyle Farrell & Thomas Funk	70
Training in Agribusiness Bridget Poon	77
Management Training in Agriculture G. Wadinambiaratchi	79
Training in Agribusiness Management	83
PLENARY SESSION V: EXPLORING THE POTENTIAL FOR AGRIBUSINESS IN THE REGION - INDUSTRY PERSPECTIVES	
Commodity Requirements for Agro-Industrial Enterprises	88
Accepting the Challenges of Agrobusiness - A Case Study of the Broiler Industry in Trinidad & Tobago	89
PLENARY SESSION VI: EXPLORING THE POTENTIAL FOR AGRIBUSINESS IN THE REGION - TECHNOLOGICAL POSSIBILITIES	
Potential for Agribusiness in Feed Manufacture Utilising Indigenous Resources in the Caribbean P.O. Osuji, C. Sankat, R.H. Singh & S. Harracksingh-Tilsted	90
Biotechnology: New Prospects for Agribusiness Desmond Ali	102
PLENARY SESSION VII: EXPLORING THE POTENTIAL OF AGRIBUSINESS IN THE REGION - PRODUCTION AND SAFETY ISSUES	
Problems of, and Prospects for, Linkages Between Caribbean Agriculture and Food Processing - A Case Study Illustration	103

#### CONCURRENT SESSIONS

CONCURRENT SESSION I: FISHERIES	
Potential for Commercial Opportunities in Fisheries  Ronald Gordon	. 2
Marketing Arrangements for Fish Landed at Sea Lots, Port-of-Spain, Trinidad & Tobago E. Graham	8
The Commercial Potential of Aquaculture in Guyena  Teg Singh	.11
The Fish Processing Industry - Its Role in a Fisheries Development Strategy Shazam Ali	.17
Fish Processing Activity in the Less Developed Countries - The Case of Antigua Fisheries Ltd	
····· lan Thomasos	. 21
CONCURRENT SESSION II: LIVESTOCK	
Contribution of the Caribbean Food Corporation in Promoting Livestock Production as a Business	
L.A. Byam	. 28
Preliminary Performance Data from a Rabbitry in Trinidad	. 33
Veterinary Medical Training, Mt. Hope Medical Complex U.W.I., Trinidad Stanley Dennis	. 36
Some Production Parameters of Four Breeds of Goats Reared in Trinidad & Tobago	. 40
The Effects of Different Sources of Crude Protein on the Voluntary Intakes and Digestibility of Chopped Whole Sugarcane by Sheep	.47
F.G. Youssef, H. Ramlal & R.K. Rastogi	
The Macro-Mineral Profile of Four Tropical Grasses at Different Stages of Regrowth	4 h
Sugarcane Feeding for Cattle Production - Is it a	.48
Bankable Proposal? Floyd Neckles & Daniel Taylor	. 49
CONCURRENT SESSION III: AGRICULTURAL ECONOMICS	
The Productivity of Pesticides - A Cose Study of the Aranguez Vegetable Formers Edward Evans	. 56
Agronomic Limitations to Increasing Cowpea and Cassava	6 F

Marketing Arrangements Within the Rice Industry in Guyana	. 73
Non-Traditional Agriculture in Jamaica: More Questions Than Answers M.G. Salmon & D.K. Srivastava	.92
LIST OF REGISTERED PARTICIPANTS	. 108