



**AgEcon** SEARCH  
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

*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

<http://ageconsearch.umn.edu>

[aesearch@umn.edu](mailto: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.*



# **FARM AND BUSINESS**

**The Journal of the  
Caribbean Agro-  
Economic Society**

**Volume 14, Issue 1,  
September 2022**



Available online at <https://ideas.repec.org/s/ags/fabtho.html>

## **Farm and Business**

The Journal of the Caribbean Agro-Economic Society

---

### **EDITOR-IN-CHIEF**

Carlisle A. Pemberton

*The University of the West Indies (UWI), St. Augustine,  
The Republic of Trinidad and Tobago.*

### **EDITORIAL ADVISORY BOARD**

Compton Bourne

*UWI, St. Augustine, The Republic of Trinidad & Tobago*

Carlton G. Davis

*University of Florida, Gainesville, Florida, USA*

Vernon Eidman

*University of Minnesota, St. Paul, USA*

### **EDITORIAL COMMITTEE**

Govind Seepersad

*UWI, St. Augustine, The Republic of Trinidad & Tobago*

Edward A. Evans

*UF/IFAS, University of Florida, Homestead, Florida, USA*

Isabella Francis-Granderson

*UWI, St. Augustine, The Republic of Trinidad & Tobago*

---

Kishalla Floyd

*Editorial Associate / Cover Design*

Afiya De Sormeaux

*Editorial Associate*

Savita Maharajh

*Editorial Assistant*

---

**ISSN 1019-035X**



## Table of Contents

<i>Editorial</i> .....	iii
Lloyd Best	
<i>Agricultural Transformation in a Plantation Economy</i> .....	1
George Beckford	
<i>Toward an Appropriate Theoretical Framework for Agricultural Development Planning and Policy</i> .....	4
Andrea Veira, Govind Seepersad and Marnus Cherry	
<i>Introduction of New Coconut Germplasm Tissue Culture-derived Plantlets: The Case of Saint Lucia</i> .....	9
Waynelle Collymore-Taylor	
<i>An Assessment of the Financial Viability of Small-scale Commercial Aquaponic Systems in Barbados</i> .....	14



Available online at <https://ideas.repec.org/s/ags/fabtho.html>

## Farm and Business

The Journal of the Caribbean Agro-Economic Society

### Editorial

Volume 14 No. 1 of *Farm and Business* continues the feature of the publication of “Articles of Enduring Quality” from the archives of the Proceedings of the West Indies Agricultural Economics Conferences. In this issue, there are two such articles again by two prominent Caribbean Economists: George Beckford and Lloyd Best.

The article by George Beckford was presented at the Third West Indies Agricultural Economics Conference held at UWI, Mona, Jamaica in 1968. This article is titled: *Toward an Appropriate Theoretical Framework for Agricultural Development Planning and Policy*. Beckford argues that the theoretical frameworks provided by the then current models of traditional agriculture are inappropriate for the Caribbean, because structural factors in Caribbean economies create sectoral inefficiencies in resource allocation, which are not accommodated in these frameworks. Beckford therefore provides a new framework for a theory of agricultural development that he considers to be more suitable for Caribbean states.

The article by Lloyd Best is titled “Agricultural Transformation in a Plantation Economy”. This article was presented at the 4th West Indies Agricultural Economics Conference, March 23-29, 1969, held at UWI, Cave Hill, Barbados. In this article, Lloyd Best makes the now familiar argument that the agricultural sector does not operate in a vacuum, but within the macro economy. Hence the activities in the macro economy must be taken into account to devise an appropriate transformation theory for the agricultural sector. In his article Lloyd Best goes on to outline what such a theory of transformation of a Caribbean agricultural sector should encompass.

Two original articles are included in this issue of the journal. These articles were presented at the 33rd West Indies Agricultural Economics Conference held August 5 - 9, 2019, in Tobago. The first article deals with the problematic issue of the introduction of new germplasm from abroad into a Caribbean island and the problems of field establishment of this new germplasm. In this case, the new entrant was new coconut germplasm from Mexico and it was introduced to the Caribbean island of St Lucia. The paper is entitled: “Introduction of New Coconut Germplasm Tissue Culture-derived Plantlets: The Case of Saint Lucia”. The second original article is entitled: “An assessment of the financial viability of small-scale commercial aquaponic systems in Barbados”. Aquaponics has been touted as a sustainable and emerging technological advance, with great possibilities for agribusiness entrepreneurs. This article should inspire serious attention to investment in this technology in Caribbean states.

*Farm and Business* has a new look which includes a new cover developed by Kishalla Floyd and a new format which highlights the new logo of the Caribbean Agro-Economic Society (CAAES). You will notice that the Society also has a new acronym. Also note that on 13 May 2022 The Caribbean Agro-Economic Society was incorporated under the Companies Act, 1995 of Trinidad and Tobago.

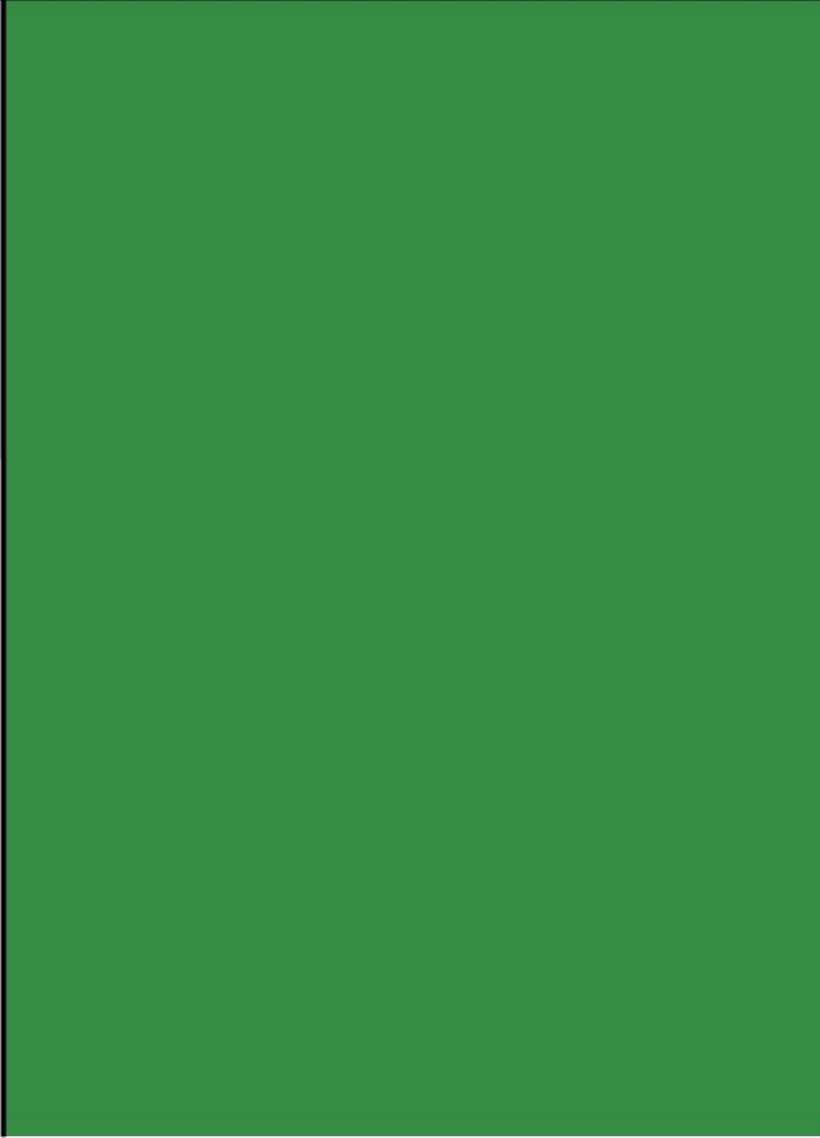
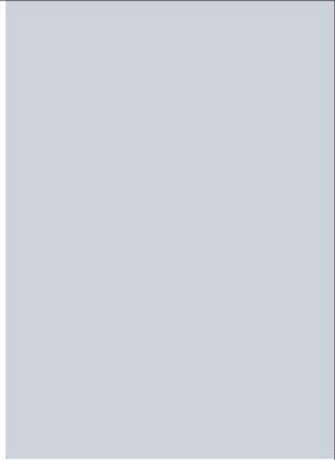
Papers from *Farm and Business* can now be also be found online at <https://ideas.repec.org/s/ags/fabtho.html> Copies of all issues of *Farm and Business* are also available online at the websites in the footnote. \* Members of the Society are again urged to visit these websites and to cite these papers, which contain relevant information on the Agricultural Economics of the Caribbean. Kindly also utilize these papers for assistance in your teaching and research.

We do hope you enjoy reading this publication and will submit your articles to this Journal for review and publication.

Carlisle Pemberton

Editor-In-Chief

Farm and Business



**CAAES**  
The Caribbean Agro-Economic Society