



## The Cassava Economy of Java

*Walter P. Falcon, William O. Jones, Scott R. Pearson, and Others.* The staple food of some 400 million people, cassava is the world's cheapest source of food calories. This study seeks to determine whether increases in cassava production are technically and economically feasible, and, if so, whether increased production might improve food security in Indonesia. Although the volume focuses on Java, it has much broader applications. It illustrates the insight that can be obtained from analyzing a complete commodity system; it gives empirical meaning to global interdependence; and it contributes substantially to the meager research on cassava. \$38.50

Stanford University Press

## Journal of Tropical Ecology

Editor: **Adrian G. Marshall**

Deputy Editor: **Michael D. Swaine**

*Published for INTECOL and the ICSU Press*

This new quarterly will be launched by Cambridge in February 1985. It will publish papers of high scientific merit in the general field of ecology of tropical regions, devoted either to the results of original research, experimental or descriptive, or forming significant reviews. Short communications are also requested in the expectation that these will encourage discussion between readers.

The Editors welcome papers (which should be written in English) on relevant topics. A detailed list of *instructions for authors* is available upon application to: The Editors, Journal of Tropical Ecology, Institute of South-East Asian Biology, c/o Department of Zoology, University of Aberdeen, Aberdeen AB9 2TN, Scotland. It is hoped that the frequency of the *Journal* will ensure the rapid publication of accepted papers.

*Further information is available from the Editors and from Aileen Askwith, Journals Publicity Controller at the Press.*

**Volume 1:** February, May, August and November 1985 **£45.00;**

**£18.00** for INTECOL members; **£9.00** for INTECOL members in developing countries

Airmail **£11.00** extra

**CALL FOR  
PAPERS**

**CAMBRIDGE UNIVERSITY PRESS**

The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, England

# Experimental Agriculture

Volume 21, Number 2 April 1985

## CONTENTS

<b>J. Smartt:</b> Evolution of Grain Legumes. III. Pulses in the Genus <i>Vigna</i>	87
<b>E. Sibbesen, C. E. Andersen, S. Andersen and M. Flensted-Jensen:</b> Soil Movement in Long-term Field Experiments as a Result of Cultivations. I. A Model for Approximating Soil Movement in One Horizontal Dimension by Repeated Tillage	101
<b>E. Sibbesen and C. E. Andersen:</b> Soil Movement in Long-term Field Experiments as a Result of Cultivations. II. How to Estimate the Two-dimensional Movement of Substances Accumulating in the Soil	109
<b>R. W. Willey:</b> Evaluation and Presentation of Intercropping Advantages	119
<b>F. O. Olasantan:</b> Effects of Intercropping, Mulching and Staking on Growth and Yield of Tomatoes	135
<b>J. A. Ayuk-Takem and H. R. Chhedda:</b> Grain Yield Potential of Some Diverse Maize ( <i>Zea mays</i> L.) Morphotypes Intercropped with Cocoyam ( <i>Xanthosoma sagittifolium</i> )	145
<b>P. J. Salter, Jayne M. Akehurst and G. E. L. Morris:</b> An Agronomic and Economic Study of Intercropping Brussels Sprouts and Summer Cabbage	153
<b>C. O. Othieno, C. J. Stigter and A. R. Mwampaja:</b> On the Use of Stigter's Ratio in Expressing the Thermal Efficiency of Grass Mulches	169
<b>S. P. Wani, S. Chandrapalaiah and P. J. Dart:</b> Response of Pearl Millet Cultivars to Inoculation with Nitrogen-fixing Bacteria	175
<b>M. T. Dahniya, S. K. Hahn and C. O. Oputa:</b> Effect of Shoot Removal on Shoot and Root Yields of Sweet Potato	183
<b>Book Reviews</b>	187
<b>Notes for Contributors</b>	189

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP  
32 East 57th Street, New York, NY 10022, USA  
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain by Adlard & Son Ltd, Bartholomew Press, Dorking