Journal of Tropical Ecology

... caters for a growing interest in tropical ecosystems at a time of spreading desertification at low latitudes and rapid conversion of tropical forests to other uses. It publishes original research, book reviews and short communications encouraging informal and lively debate.

Volume 3 (1987) Quarterly £19.50 for individuals, £9.50 for individuals from Less Developed Countries, £49 for institutions.

"... the Journal is already well on the way to becoming a major forum for interchange of ideas about tropical ecology, and all researchers working in the tropics, or who attempt to follow the tropical literature will find it essential reading."

G H ORIANS, NATURE

Subscriptions requests for further information or sample copies to:
Journals Publicity Department,
Cambridge University Press,
The Edinburgh Building, Shaftesbury Road,
Cambridge CB2 2RU

From Cambridge University Press

The

Journal of Agricultural Science

EDITED BY

Professor Sir J. W. L. Beament, ScD, FRS
Department of Applied Biology, University of Cambridge

W. J. Ridgman, M.A.

Department of Biology, University of Cambridge

The Journal of Agricultural Science publishes research in both pure and applied sciences relating to agricultural problems. The range of topics embraces soil sciences, research on crops and agricultural animals, including husbandry, nutrition, physiology, genetics and breeding; papers on broader ecologicial and environmental subjects are considered provided they have a direct bearing upon agricultural practice. The journal receives contributions from all parts of the world.

Essential Reading For:

- Agricultural research institutes and colleges
 - University departments of agriculture
- Government departments of agriculture, horticulture and forestry
- Manufacturers of agricultural goods (such as fertilizers, feeding stuffs, seed etc) throughout the world.

Subscriptions for 1987: Vol. 108, (February, April, and June) Vol. 109 (August, October and December) £125.00 (\$285) per year £62.50 (\$142.50) per volume; Airmail £29.00 extra per year

TO ORDER YOUR COPY SEND PAYMENT TO:

The Journals Subscription Manager, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, England,

or

The Journals Subscription Manager, Cambridge University Press, 32 East 57th Street, New York, NY10022, USA.



Copying: This journal is registered with the Copyright Clearance Center, 27 Congress St., Salem, Mass. 01970. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per copy fee of \$5.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0014-4797/87 \$5.00 + .00.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Experimental Agriculture

Volume 23, Number 3 July 1987

CONTENTS

J. McIntire and G. Gryseels: Crop-Livestock Interactions in Sub-Saharan Africa and their Implications for Farming Systems Research	
(Farming Systems Series - Number 6)	235
D. Astley: Genetic Resource Conservation	245
G. Rajendrudu and J. H. Williams: Effect of Gypsum and Drought on Pod Initiation and Crop Yield in Early Maturing Groundnut (Arachis	
hypogaea) Genotypes	259
N. R. Hulugalle and S. T. Willatt: Seasonal Variation in the Water Uptake and Leaf Water Potential of Intercropped and Monocropped Chillies	273
P. T. C. Nambiar and B. Srinivasa Rao: Effect of Sowing Depth on Nodulation, Nitrogen Fixation, Root and Hypocotyl Growth, and Yield in Groundnut (Arachis hypogaea)	283
	200
Peter J. Martin, Janet Riley and Andrew J. Dabek: Clove Tree Yields in the Islands of Zanzibar and Pemba	293
P. K. Sharma, S. K. De Datta and C. A. Redulla: Root Growth and Yield Response of Rainfed Lowland Rice to Planting Method	305
N. W. Pirie: A Pedal-assisted Unit for Making Leaf Juice	315
J. S. Saini, R. S. Jolly and O. S. Singh: Influence of Chlormequat on the Growth and Yield of Irrigated and Rainfed Indian Mustard (<i>Brassica juncea</i>) in the Field	319
A. Devaux and A. J. Haverkort: The Effects of Shifting Planting Dates and Mulching on Late Blight (<i>Phytophthora infestans</i>) and Drought Stress of Potato Crops Grown under Tropical Highland Conditions	325
	323
M. J. Jones: Plant Population, Rainfall and Sorghum Production in Botswana. I. Results of Experiment Station Trials	335
M. J. Jones: Plant Population, Rainfall and Sorghum Production in Botswana. II. Development of Farmer Recommendations	349
Book Reviews	357
Notes for Contributors	360

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, The Garden City Press, Dorking, Surrey