JOURNALS



The Journal of Agricultural Science

The Journal of Agricultural Science

is available online at journals.cambridge.org/ags

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone (845) 353 7500 Fax (845) 353 4141 Email subscriptions_newyork@cambridge.org

Senior Editors

Julian Wiseman, University of Nottingham, UK Animal papers Robert E. L. Naylor, University of Aberdeen, UK Crop & Soil papers

The Journal of Agricultural Science publishes papers concerned with the advance of agriculture and the use of land resources throughout the world. It publishes original scientific work related to strategic and applied studies in all aspects of agricultural science.

Price information is available at journals.cambridge.org/ags

Free email alerts

Keep up-to-date with new material – sign up at journals.cambridge.org/register

For a free online sample visit journals.cambridge.org/ags



Experimental Agriculture

INSTRUCTIONS TO CONTRIBUTORS

Electronic Submission of Manuscripts

Contributions for consideration for publication, accompanied by a covering email, should be submitted to the following address:

Dr. D. Harris

Experimental Agriculture

CAZS Natural Resources, Bangor University,
Wales, UK.

Email: expag@bangor.ac.uk

Please consult the Instructions for Contributors available at http://uk.cambridge.org/journals/eag/eagifc.htm. Potential contributors are asked to give careful attention to these instructions. This will greatly assist the editors and thus speed the processing of their contributions.

Editorial Policy

With a focus on the tropical and sub-tropical regions of the world, Experimental Agriculture publishes the results of original research on field, plantation and herbage crops grown for food or feed, or for industrial purposes, and on farming systems, including livestock and people. It reports experimental work designed to explain how crops respond to the environment in biological and physical terms, and on the social and economic issues that may influence the uptake of the results of research by policy makers and farmers, including the role of institutions and partnerships in delivering impact. The journal also publishes accounts and critical discussions of new quantitative and qualitative methods in agricultural research, and of contemporary issues arising in countries where agricultural production needs to develop rapidly. There is a regular book review section and occasional, often invited, reviews of research. Most papers are published within six months from acceptance.

The minimum standards for a paper to be considered by the Editor and the referees are set out below:

• The title page, all headings and the references must conform to the style of *Experimental Agriculture*.

- Each table and figure must be cited in the text of the typescript.
- All figures to be supplied as separate TIFF or EPS files wherever possible.
- The statistical treatment of experimental data must conform to the instructions given in Riley, J. (2001). Presentation of statistical analyses. *Experimental Agriculture* 37: 115–123.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

© Cambridge University Press 2009

CAMBRIDGE UNIVERSITY PRESS The Edinburgh Building, Cambridge CB2 8RU, United Kingdom

- 32 Avenue of the Americas, New York, NY 10013-2473, USA
- 477 Williamstown Road, Port Melbourne, VIC 3207, Australia

Ruiz de Alarcón 13, 28014 Madrid, Spain Dock House, The Waterfront, Cape Town 8001, South Africa

Printed in the United Kingdom by the University Press, Cambridge

Experimental Agriculture

CONTENTS

Jama, B. and Kiwia, A. Agronomic and financial benefits of phosphorus and nitrogen sources in Western Kenya	241
Materechera, S. A. and Morutse, H. M. Response of maize to phosphorus from fertilizer and chicken manure in a semi-arid environment of South Africa	261
Zhao, L., Wu, L., Li, Y., Lu, X., Zhu, D. and Uphoff, N. Influence of the system of rice intensification on rice yield and nitrogen and water use efficiency with different N application rates	275
Erenstein, O. Assessing innovations lacking developed supply markets: A simple ex ante model applied to rock phosphate use in rice in West Africa	287
Sneddon, J. N., Soutar, G. N., and Mazzarol, T. On-farm innovation in the Australian wool industry: A sensemaking perspective	295
Erskine, W. and Nesbitt, H. How can agriculture research make a difference in countries emerging from conflict?	313
Van Der Vossen, H. A. M. The cup quality of disease-resistant cultivars of arabica coffee (<i>Coffea arabica</i>)	323
Carr, M. K. V. The water relations and irrigation requirements of banana (musa spp.)	333
Book reviews	373

For further information about this journal please go to the journal website at: journals.cambridge.org/eag



