

CAMBRIDGE

JOURNALS



The Journal of Agricultural Science

The Journal of Agricultural Science

is available online at:
<http://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 +1 (845) 353 7500
Fax +1 (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 and exploited species, as well as reviews of scientific topics of current agricultural relevance.

Price information is available at:
<http://journals.cambridge.org/ags>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

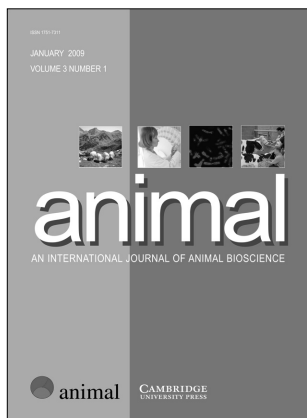
For free online content visit:
<http://journals.cambridge.org/ags>



CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS



animal

Published for The Animal Consortium
(www.animal-journal.eu)

animal

is available online at:
<http://journals.cambridge.org/anm>

**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 +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Editor-in-Chief

Michel Doreau, INRA, France

animal publishes original cutting-edge research, 'hot' topics and horizon-scanning reviews on animal-related aspects of the life sciences at the molecular, cellular, organ, whole animal and production system levels. The main subject areas include: breeding and genetics; nutrition; physiology and functional biology of systems; behaviour, health and welfare; farming systems, environmental impact and climate change; product quality, human health and well-being.

Price information is available at:
<http://journals.cambridge.org/anm>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

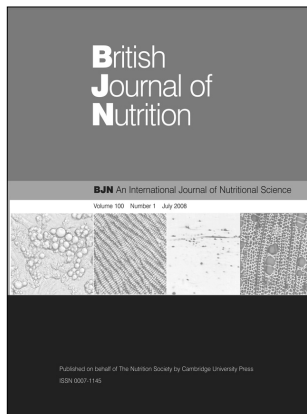
For free online content visit:
<http://journals.cambridge.org/anm>



**CAMBRIDGE
UNIVERSITY PRESS**

CAMBRIDGE

JOURNALS



British Journal of Nutrition

Published on behalf of The Nutrition Society

British Journal of Nutrition

is available online at:

<http://journals.cambridge.org/bjn>

**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 +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Editor-in-chief

P.C. Calder, University of Southampton, UK

British Journal of Nutrition is a leading international peer-reviewed journal covering research on human and clinical nutrition, animal nutrition and basic science as applied to nutrition. The journal recognises the multidisciplinary nature of nutritional science and includes material from all of the specialities involved in nutrition research, including molecular and cell biology and the emerging area of nutritional genomics.

Price information is available at:
<http://journals.cambridge.org/bjn>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/bjn>



**CAMBRIDGE
UNIVERSITY PRESS**

CAMBRIDGE

JOURNALS



Chinese Journal of Agricultural Biotechnology

**Chinese Journal of Agricultural
Biotechnology**

is available online at:

<http://journals.cambridge.org/cja>

**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 +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Editor-in-Chief

R. Hull, John Innes Centre, UK

Chinese Journal of Agricultural Biotechnology brings cutting-edge Chinese research to an international audience. The journal takes the very best papers published in Chinese in the Journal of Agricultural Biotechnology, translates them and makes them available to the international scientific community.

Price information is available at:
<http://journals.cambridge.org/cja>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

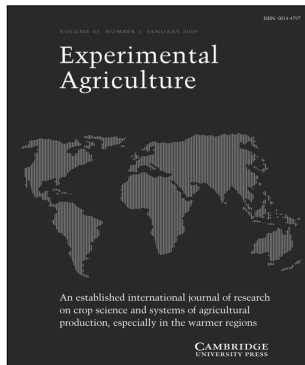
For free online content visit:
<http://journals.cambridge.org/cja>



**CAMBRIDGE
UNIVERSITY PRESS**

CAMBRIDGE

JOURNALS



Experimental Agriculture

Experimental Agriculture

is available online at:
<http://journals.cambridge.org/eag>

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 +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Editor

Dave Harris, Bangor University, UK

Experimental Agriculture publishes the results of original research from any source on the agronomy of field, plantation and herbage crops grown for human or animal food; for industrial purposes; and on systems of agricultural production, particularly in the warmer regions of the world. It is especially concerned with experimental work designed to explain agronomic results in biological and environmental terms. The journal publishes accounts of new experimental techniques, new methods of crop production and discusses problems in countries where production is developing rapidly. There are regular book reviews.

Price information is available at:
<http://journals.cambridge.org/eag>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/eag>



CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS



SEED SCIENCE RESEARCH

Published on behalf of the
International Society of Seed Science

Seed Science Research

is available online at:
<http://journals.cambridge.org/ssr>

**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 +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Editor

H. W. M. Hilhorst, Wageningen University, The Netherlands

Seed Science Research, the official journal of the International Society for Seed Science, is a leading international journal featuring high-quality original papers and review articles on the fundamental aspects of seed science, reviewed by internationally distinguished editors. The emphasis is on the physiology, biochemistry, molecular biology and ecology of seeds.

Price information is available at:
<http://journals.cambridge.org/ssr>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/ssr>



**CAMBRIDGE
UNIVERSITY PRESS**

Notes for Authors

Renewable Agriculture and Food Systems publishes original research on biological, physical, or social science aspects of alternative and renewable agriculture and food systems. We particularly welcome multidisciplinary studies, but papers from a specific discipline are also invited. However, since *RAFS* readership is much broader than for a single-discipline journal, highly specialized terminology should be explained or avoided. The significance of a statement, or the reasoning behind a conclusion, may have to be spelled out more than in a more specialized journal. See journals.cambridge.org/raf for an explanation of the various categories of articles.

Units. Research papers should use the International (SI, or metric) system throughout. Occasional use of common unit equivalents in parentheses is permitted.

Title Page. The title page should give the following information (all flush left): 1) title of the paper; 2) names of the authors; 3) affiliation and office address of authors, e-mail of corresponding author, and 4) disclaimers, if any.

Abstract. The abstract should be 200 to 400 words, suitable for readers from a broad range of disciplines. It should avoid highly-specialized terminology that might be appropriate for a single-discipline journal. Take particular care that the significance of the work is made clear, even to readers from a different field.

Key Words. Provide subject matter key words suitable for use in scientific indexing.

References. References are based on the Vancouver system. They should be numbered consecutively in the order in which they first appear in the text using superscript Arabic numerals. Where a reference is cited more than once in the text, use the same number each time. In the reference list please give the names of all authors in the reference, never use "et al." Use full names of journals, institutions, conferences, etc. The reference list uses no quotation marks, italics, boldface or underlining. Only the names of books and periodicals are in initial capitals. Names of papers, book chapters, pamphlets, and bulletins are not capitalized.

Examples:

1. Leopold, A. 1991. The farmer as a conservationist. In S.L. Flader and J.B. Callicott (eds). *The River of the Mother of God and Other Essays* by Aldo Leopold. University of Wisconsin Press, Madison, WI. p. 255–265.
2. Brink, R.H. Jr, Dubach, P., and Lynch, D.I., 1960. Measurement of carbohydrates in soil hydrolyzates with anthrone. *Soil Science* 89:157–166.
3. Greenland, D.J., and Szabolcs, I., (eds). 1994. *Soil Resilience and Sustainable Land Use*. CAB International, Wallingford, UK.
4. Arshad, M.A., and Coen, G.M., 1992. Characterization of soil quality: Physical and chemical criteria. *American Journal of Alternative Agriculture* 7:25–31.
5. Coale, F.J. 1996. Descriptions of the soil test interpretive categories used by the University of Maryland Soil Testing Laboratory. SFM-3. University of Maryland, College Park.

Footnotes. *RAFS* does not use bibliographic or substantive footnotes. All bibliographic references should be at the end of the text. Instead of substantive footnotes, include the material in the main text or consider eliminating it.

Manuscript Preparation. The entire manuscript, including abstract and references, should be typed on one side of standard-size paper, double spaced, with margins of at least one inch all around. Starting with the title page, label all pages in the upper right-hand corner with the lead author's last name and the page number. Add line numbers to your manuscript, restarting numbering for each page. Do not use hyphens unless the hyphen is part of the word. Indicate on the title page who the corresponding author is, and supply a present postal address, fax number and email address. **The email address is particularly important** because page proofs will be sent electronically as a PDF file to the corresponding author for checking (see 'page proofs' section below for more detail). Tables should fit on one page, be numbered consecutively with Arabic numerals, and be on a separate sheet. Every figure and table should be mentioned at least once in the text. A detailed guide to formatting is available on the *RAFS* homepage at journals.cambridge.org/raf

Submission of Manuscripts. Please submit manuscripts via our manuscript submission and tracking site, www.edmgr.com/rafs.

Full instructions for electronic submission are available directly from this site and from journals.cambridge.org/raf.

To facilitate rapid reviewing, communications for peer review will be electronic and authors will need to supply a current e-mail address when registering to use the system.

When submitting manuscripts authors will need to supply:

- Manuscript file.
- Covering letter, stating that the manuscript is an original contribution that has not been published elsewhere in substantially the same form, that it is not currently under consideration elsewhere, and that permission has been obtained for any copyrighted material used.

Copyright. Papers are accepted on the understanding that the work has been submitted exclusively to the Journal. Authors will be supplied with a transfer of copyright form with their proofs, this must be completed and returned to the publisher. Papers will not be published until the signed copyright disclaimer has been received.

Page Proofs. Once typeset, the corresponding author will receive page proofs by email as a PDF file. You will be asked to print the PDF proof and mark any corrections to the print-out before mailing back to the proofreader. Alternatively, if you have no corrections or very few they can be returned to the proofreader by email. Full instructions will be sent with the page proofs.

Offprints. Authors are sent a PDF file of the final version of the article. Authors will be e-mailed an offprint order form along with the PDF proof.

A Final Note

Articles will be considered for publication in the *RAFS* only when submitted formally, in their final form, and formatted to the style of *RAFS*.

Renewable Agriculture and Food Systems

Volume 25 Number 2 June 2010

Special Issue

"Sustainable Agriculture Systems in a Resource Limited Future"

Special Guest Editors: Rick Welsh, Lydia Oberholtzer, and Caroline Dimitri

Editorial

Sustainable agriculture systems in a resource-limited future

Rick Welsh

83

Commentary

Alternative agriculture in an energy- and resource-depleting future

Frederick Kirschenmann

85

Policy and Food System Issues

Green marketing: Are environmental and social objectives compatible with profit maximization?

Andrea Woolverton and Carolyn Dimitri

90

A geographic approach to place and natural resource use in local food systems

Leslie Duram and Lydia Oberholtzer

99

Policy approaches to energy and resource use in US agriculture

Ann Sorensen and Jimmy Daukas

109

Food security in the context of energy and resource depletion: Sustainable agriculture in developing countries

Cornelia Butler Flora

118

Technology Development Trajectories

Global benefits, local burdens? The paradox of governing biofuels production in Kansas and Iowa

Theresa Selfa

129

Are biotechnology and sustainable agriculture compatible?

David E. Ervin, Leland L. Glenna, and Raymond A. Jussaume Jr

143

Organic agriculture and climate change

Nadia El-Hage Scialabba and Maria Müller-Lindenlauf

158

Technoscience, anaerobic digester technology and the dairy industry: Factors influencing North Country New York dairy farmer views on alternative energy technology

Rick Welsh, Stefan Grimberg, Gilbert W. Gillespie, and Megan Swindal

170

Cambridge Journals Online

For further information about this journal please

go to the journal website at:

journals.cambridge.org/raf



Mixed Sources

Product group from well-managed
forests and other controlled sources

Cert no. SGS-COC-005493

www.fsc.org

© 1996 Forest Stewardship Council

CAMBRIDGE
UNIVERSITY PRESS