

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>

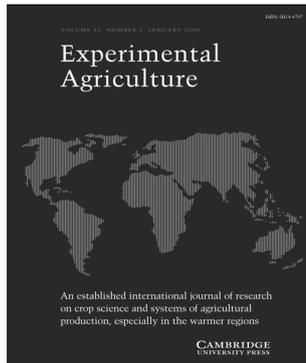
Free email alerts

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



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

JOURNAL OF tropical ecology

INSTRUCTIONS FOR AUTHORS

Potential contributors are advised that careful attention to the details below will greatly assist the Editor and thus speed the processing of their manuscripts. Poorly prepared manuscripts will be returned to authors.

Submission

All manuscripts must be submitted online via the website:

<http://mc.manuscriptcentral.com/jte>

Detailed instructions for submitting your manuscript online can be found at the submission website by clicking on the 'Instructions and Forms' link in the top right of the screen; and then clicking on the 'Author Submission Instructions' icon on the following page.

The Editor will acknowledge receipt of the manuscript, provide it with a manuscript reference number and assign it to reviewers. The reference number of the manuscript should be quoted in all correspondence with JTE Office and Publisher.

The submission of a manuscript will be taken to imply that the material is original, and that no similar paper has been published or is currently submitted for publication elsewhere. Papers are first inspected for suitability by the Editor or a Board member. Those suitable papers are then critically reviewed by usually two or three expert persons. On their advice the Editor provisionally accepts, or rejects, the paper. If acceptance is indicated the manuscript is usually returned to the author for revision. In some cases a resubmission is invited and on receipt of the new version the paper will be sent to a third referee. If the author does not return the revised or resubmitted version within six months the paper will be classified as rejected. Final acceptance is made when the manuscript has been satisfactorily revised.

Preparation of the manuscript

Authors are strongly advised to consult a recent issue of the JTE to acquaint themselves with the general layout of articles. Manuscripts should be neatly typewritten on A4 paper i.e. 21 cm × 30 cm. Double sided copy is permissible for review purposes, but final submission for publication must be on one side of the paper only. Double spacing must be used throughout, allowing wide margins (about 3 cm) on all sides. Main text pages should be numbered.

When a revised ms is being returned the author is requested to send a copy of the final version on computer disk (Apple Macintosh or IBM compatible PC) together with the hard copy typescript, giving details of the wordprocessing software used (e.g. Microsoft Word, Word or Word Perfect). However, the publisher reserves the right to typeset material by conventional means if an author's disk proves unsatisfactory.

A paper should be prepared using the following format:

Page 1. *Title page.* This should contain (a) the full title, preferably of less than 20 words and usually containing the geographical location of the study; (b) a running title of not more than 48 letters and spaces; (c) a list of up to 10 key words in alphabetical order suitable for international retrieval systems; (d) the full name of each author and their current affiliation; (e) the name of the institution in which the work was carried out; and (f) the present email and postal address of the author to whom proofs should be sent.

Page 2. *Abstract.* This should be a single paragraph, in passive mode, no more than 200 words long, a concise summary of the paper intelligible on its own in conjunction with the title, without abbreviations or references.

Page 3. *et seq.* The main body of the text may contain the following sections in the sequence indicated:

Discussion, (e) Acknowledgements, (f) Literature Cited, (g) Appendices, (h) Tables, (i) Legends to Figures. An extra section between (a) and (b) for Study Site or Study Species might be necessary.

Main headings should be in capital type and ranged left; sub-headings should be ranged left. A *Short Communication* has a title and keywords but no abstract (except what is entered in Manuscript Central) or section headings until Acknowledgements and item Literature Cited.

Acknowledgements should be brief. *Notes* should be avoided if at all possible; any notes will be printed at the end of the paper and not as footnotes.

Scientific names. The complete Latin name (genus, species and authority) must be given in full for every organism when first mentioned in the text unless a standard reference is available which can be cited. Authorities might alternatively appear in Tables where they are first used.

Units of measurement. Measurements must be in metric units; if not, metric equivalents must also be given. The minus index (m^{-1} , mm^{-3}) should be used except where the unit is an object, e.g. 'per tree', not 'tree⁻¹'. Use d^{-1} , mo^{-1} and y^{-1} for per day, per month and per year.

Abbreviations. In general, abbreviations should be avoided. Numbers one to nine should be spelled out and number 10 onwards given in figures. Dates should follow the sequence day-month-year, e.g. 1 January 1997. The 24-hour clock should be used, e.g. 16h15.

Online supplementary material

Supplementary material is not copy edited or typeset but loaded onto CJO exactly as supplied. Supplementary material must be submitted at the same time as the article and must be clearly marked to distinguish it from the main article text.

Authors should ensure that they mention within their article that supplementary material is available on CJO.

Language

All papers should be written in English, and spelling should generally follow *The Concise Oxford Dictionary of Current English*. Abstracts in other languages will be printed if the author so desires together with an abstract in English. All abstracts must be provided by the author.

Literature cited

References to literature in the text should conform to the 'name-and-date' system: e.g. Fleming (1982); (Goh & Sasekumar 1980); Montgomery *et al.* (1981). If a number of references are cited at one place in the text, they should be arranged alphabetically and not chronologically. In the reference list citations should take the forms given below. References with two or more authors should be arranged first alphabetically then chronologically. The names of cited journals should be given in full. Certain foreign language citations may be translated into English, and this should always be done where the English alphabet is not used (e.g. Chinese, Russian, Thai).

FLEMING, T. H. 1982. Foraging strategies of plant-visiting bats. Pp. 287–325 in Kunz, T. H. (ed.). *Ecology of bats*. Plenum Press, New York. 425 pp.

GOH, A. H. & SASEKUMAR, A. 1980. The community structure of the fringing coral reef, Cape Rachado. *Malayan Nature Journal* 34:25–27.

MONTGOMERY, G. G., BEST, R. C. & YAMAKOSHI, M. 1981. A radio-tracking study of the American manatee *Trichechus inunguis* (Mammalia: Sirenia). *Biotropica* 13:81–85.

WHITMORE, T. C. 1984. *Tropical rain forests of the Far East*. (second edition). Oxford University Press, Oxford. 352 pp.

Use the following as contractions in text: 'pers. obs.', 'pers. comm.'; but 'unpubl. data', 'in press'. Authors should double-check that all references in the text correspond exactly to those in the Literature Cited section.

Tables and figures

Tables should be typed, together with their titles, on separate pages. Column headings should be brief, with units of measurement in parentheses. Vertical lines should not be used to separate columns. Avoid presenting tables that are too large to be printed across the page; table width must not exceed 80 characters, including spaces between words, figures and columns. Each table should be numbered consecutively with arabic numerals. The author should indicate in the text where tables and figures are to be inserted; all tables and figures must be mentioned in the text.

Authors should ensure that all figures, whether line drawings or photographs, clarify or reduce the length of the text. The preferred graphics package is Freehand, but many others may be accepted. Please indicate file format and graphics software used for originating artwork files. Typefaces should be restricted to Monotype, Adobe and Bitstream font libraries. High resolution figures should be supplied as TIFF or EPS files, but never as Postscript files. Line drawings should be scanned at 300 dpi and use only conventional Postscript files. Halftones to be scanned at 600 dpi with the preset dot range from 1–96%. If you wish to compress the files use lossless compression package software such as the LZW compression package.

Proofs

When pdf proofs are received they should be corrected carefully and returned to the publisher without delay. Errors remaining in these first proofs after the author has checked them are the author's responsibility. Any further editorial changes, apart from minor grammatical and syntactical improvements, will be communicated to the author before second proofs are prepared. Ensure that the editorial office knows of changes in your address.

Offprints

Upon publication the corresponding author will automatically receive a pdf of their article from Cambridge University Press. Authors will be offered the opportunity to order paper offprints by using the form supplied at proof stage.

Copyright

Authors of articles published in the journal assign copyright to Cambridge University Press (with certain rights reserved) and you will receive a copyright assignment form for signature on acceptance of your paper. Authors receiving requests for permission to reproduce their work should contact Cambridge University Press for advice.

Business correspondence

Correspondence concerning offprints, copyright, back numbers, advertising and sales to libraries should be addressed to the publishers: Journals Department, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK or Cambridge University Press, 32 Avenue of the Americas, New York, NY 10013–2473 USA.

CONTENTS

Secondary seed dispersal by dung beetles in a Colombian rain forest: effects of dung type and defecation pattern on seed fate
C. Santos-Heredia, E. Andresen & D. A. Zárate 355

Prey composition of the pitcher plant *Nepenthes madagascariensis*
K. Rembold, E. Fischer, M. A. Wetzel & W. Barthlott 365

Flower mites decrease nectar availability in the rain-forest bromeliad *Neoregelia johannis*
T. J. Guerra, G. Q. Romero & W. W. Benson 373

Aerial surveillance by a generalist seed predator: food resource tracking by Meyer's parrot *Poicephalus meyeri* in the Okavango Delta, Botswana
R. S. Boyes & M. R. Perrin 381

Seasonal variation in atmospheric relative humidity contributes to explaining seasonal variation in trunk circumference of tropical rain-forest trees in French Guiana
C. Stahl, B. Burban, F. Bompy, Z. B. Jolin, J. Sermage & D. Bonal 393

Do Neotropical peccary species (Tayassuidae) function as ecosystem engineers for anurans?
H. Beck, P. Thebpanya & M. Filiaggi 407

Directional orientation of migration in an aseasonal explosive-breeding toad from Brazil
R. R. Santos, S. B. Leonardi, V. Z. Caorsi & T. Grant 415

Climatic variables and altitude as predictors of anuran species richness and number of reproductive modes in Brazil
T. da Silveira Vasconcelos, T. G. dos Santos, C. F. B. Haddad & D. de Cerqueira Rossa-Feres 423

Population structure, growth rates and spatial distribution of two dioecious tree species in a wet forest in Puerto Rico
J. Forero-Montaña, J. K. Zimmerman & J. Thompson 433

Is nest temperature an important factor for niche partitioning by leaf-litter ants (Hymenoptera: Formicidae) in Bornean rain forests?
D. Mezger & M. Pfeiffer 445

Effect of fire on the germination of spores of *Pteridium caudatum*, an invasive fern
M. del Rosario Ramírez Trejo, B. Pérez-García, D. R. Pérez-Salicrup & A. Orozco-Segovia 457

Short Communication

Coarse woody debris stocks as a function of forest type and stand age in Costa Rican tropical dry forest: long-lasting legacies of previous land use
L. B. Kissing & J. S. Powers 467

Journal of Tropical Ecology now accepts submissions via Manuscript Central.
 Go to <http://mc.manuscriptcentral.com/jte>

Cambridge Journals Online
 For further information about this journal
 please go to the journal website at:
journals.cambridge.org/tro



Mixed Sources
 Product group from well-managed
 forests and other controlled sources
www.fsc.org Cert no. SA-COC-1527
 © 1996 Forest Stewardship Council

CAMBRIDGE
 UNIVERSITY PRESS