

# THE JOURNAL OF AGRICULTURAL SCIENCE

EDITED BY

- PROF. J. W. L. BEAMENT, SC.D., F.R.S., Department of Applied Biology, Cambridge  
G. D. H. BELL, PH.D., C.B.E., SC.D. (*h.c.*), D.SC. (*h.c.*), F.R.S., 6 Worts Causeway, Cambridge  
SIR K. L. BLAXTER, PH.D., N.D.A. (HONS.), D.SC., F.R.S.E., F.R.S.,  
Rowett Research Institute, Bucksburn, Aberdeen  
G. W. COOKE, PH.D., F.R.I.C., F.R.S., Agricultural Research Council, 160 Great Portland  
Street, London, WIN 6DT  
J. A. CURRIE, PH.D., Rothamsted Experimental Station, Harpenden  
S. K. ELTRINGHAM, PH.D., Department of Applied Biology, Cambridge  
PROF. SIR J. B. HUTCHINSON, C.M.G., SC.D., F.R.S., Emeritus Professor of Agriculture,  
Department of Applied Biology, Cambridge  
D. B. LINDSAY, B.SC., M.A., D.PHIL., Agricultural Research Council, Institute of Animal  
Physiology, Babraham, Cambridge  
PROF. J. B. OWEN, B.SC., PH.D., M.A., The Department of Agriculture, Bangor  
W. J. RIDGMAN, M.A., Department of Applied Biology, Cambridge  
H. H. ROGERS, B.SC., DIP.AG.SCI., Plant Breeding Institute, Cambridge  
L. E. A. ROWSON, O.B.E., M.R.C.V.S., F.R.S., Agricultural Research Council, Unit of  
Reproductive Physiology and Biochemistry, Animal Research Station, Cambridge  
PROF. E. W. RUSSELL, C.M.G., PH.D., F.INST.P., Department of Soil Science,  
University of Reading  
F. YATES, C.B.E., SC.D., F.R.S., Rothamsted Experimental Station, Harpenden



CAMBRIDGE UNIVERSITY PRESS  
THE PITT BUILDING, TRUMPINGTON STREET, CAMBRIDGE CB2 1RP  
BENTLEY HOUSE, 200 EUSTON ROAD, LONDON NW1 2DB  
32 EAST 57TH STREET, NEW YORK, N.Y. 10022

*Published once every two months*  
*Second class postage paid at New York, N.Y.*

# INSTRUCTIONS TO AUTHORS

*Failure to comply with the Instructions to Authors may delay publication*

The Journal welcomes concise papers reporting original experimental data or experimental methods, or new analyses of already existing data, in any aspect of Agricultural Science. It does not normally publish review articles. The Editors must be informed if any of the material submitted has been published elsewhere. If a paper is accepted, it must not be published elsewhere in the same form. Papers should be submitted to Professor J. W. L. Beament, Sc.D., F.R.S., Journal of Agricultural Science, Department of Applied Biology, Pembroke Street, Cambridge CB2 3DX, or to one of the Associate Editors.

**SCRIPTS.** Papers, written in English, should be typed in double spacing on one side of the paper with a margin of at least 4 cm on the left-hand side. Two copies should be submitted.

**LAYOUT AND STYLE.** Authors are recommended to use the style adopted in recent issues.

**TITLE.** The title must be specific and suitable for indexing by the mechanical methods now being employed. Male authors should give surnames and full initials, female authors should give one forename. The full name and address of the institution where the research was done should be stated. Change of address may be given as a footnote. A short title, not exceeding 50 characters, should be provided for the running headlines.

**A SUMMARY,** placed at the beginning of the text, should briefly indicate the experiments described, the main results and important conclusions.

**THE TEXT.** The Editors do not insist on a rigid format but it is usually convenient to divide the paper into sections, e.g. Introduction, Materials and Methods, Results, and Discussion. An excess of headings and subheadings should be avoided. The Introduction should show why the work was carried out; a detailed review of literature is not necessary. Relevant details should be given of the experimental materials and design, and the techniques and statistical methods used. Numerical results should be shown in Tables and not repeated in the text. Metric units should be used. Experimental details and Results should be recorded in the past tense. The Discussion should relate the author's results to other work on the subject and give the author's conclusions. A simple direct style of writing, avoiding unnecessary repetition and circumlocution is preferred. Footnotes should not be used.

**TABLES** must be self-explanatory, typed on separate sheets, numbered consecutively and carry an appropriate title. Numerical results should be displayed as means with their relevant standard errors rather than as detailed data. Normally a mean should be rounded to one tenth of its

standard error and the standard error given to one place of decimals more than the mean.

**FIGURES** should be restricted to the display of results when a large number of values can be comprehended more easily; Tables and Figures may not reproduce the same data. Line drawings should be 25 cm wide and drawn in black waterproof ink on Bristol Board, graph paper with blue lines or tracing paper. Numbering and lettering, which must be kept to an absolute minimum, should be lightly inserted in soft pencil. A photocopy of the line drawing should be provided; a full legend describing the Figure and giving a key to all the symbols on it should be typed on a separate sheet.

**PLATES** may be accepted, but only if they make a definite contribution to the value of the paper. They should be good quality, unmounted, glossy prints and be lightly numbered in pencil on the reverse side. If several plates or coloured photographs are submitted the author may be asked to contribute to the cost of reproducing them.

**REFERENCES.** In the text a reference should be quoted by the author's name and date (in parentheses). Where there are three authors, all names should appear at the first mention and thereafter – first author's name *et al.* – and four or more authors should be given in this form at all times, unless there is more than one reference with the same name first among three or more authors of the same date. A list of References should be given at the end of the text giving, in alphabetical order, surname of authors, initials, year of publication (in parentheses), title of paper, name of journal in full (underlined to denote italics), volume and first and last pages of the reference. Authors should check that all references in the text appear at the end of the paper and vice versa, and that names and dates correspond in the two places.

**SHORT NOTES** may be accepted provided they are based on adequate experimental evidence, special provision is made for their publication with the least possible delay. MSS should not exceed 1500 words in length or their equivalent (a SUMMARY is not essential). For tabulated matter allow 25 words per line of the table (including headings). For line illustrations allow 225 words per quarter of page.

**PROOFS** will be sent to authors to enable them to check the correctness of the type-setting. Excessive alterations due to amendments of the author's original agreed copy may be charged to the author.

**OFFPRINTS.** Contributors will receive 25 copies of their papers free and can order others when they receive the proofs.

© Cambridge University Press 1979

**COPYING.** This journal is registered with the Copyright Clearance Center, New York. Organizations in the U.S.A. who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. © law) subject to payment to C.C.C. of the per-copy fee indicated in the code on the first page of the article. This consent does not extend to multiple copying for promotional or commercial purposes.

ISI Tear Service, 325 Chestnut Street, Philadelphia, Pennsylvania 19106, U.S.A., is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from the Cambridge or New York offices of the Cambridge University Press.