

SEED SCIENCE RESEARCH



C·A·B International

SEED SCIENCE RESEARCH

Seed Science Research is an international journal specifically addressing basic scientific research on seeds published quarterly by C A B International

Editor

M Black, London, UK

Associate Editors:

R D Hill, Winnipeg, Canada

C M Karssen, Wageningen, Netherlands

Review Board:

J D Bewley, Guelph, Canada

J W Bradbeer, London, UK

C M Bray, Manchester, UK

D Côme, Paris, France

A Crozier, Glasgow UK

A Cuming, Leeds, UK

M Delseny, Perpignan, France

G Egley, Stoneville, USA

R H Ellis, Reading, UK

M Fenner, Southampton, UK

G B Fincher, Bundoora, Australia

B Frankland, London, UK

J Greenwood, Guelph, Canada

P J Grime, Sheffield UK

M A Hall, Aberystwyth, UK

C F Jenner, Glen Osmond Australia

A C Leopold, Ithaca, USA

A Marcus, Philadelphia, USA

A Mayer, Jerusalem, Israel

B McKersie, Guelph, Canada

R Obendorf, Ithaca, USA

D Osborne, Oxford, UK

N Pinfield, Bristol, UK

A Pradet, Bordeaux, France

E H Roberts, Reading, UK

P Schopfer, Freiburg, Germany

E Vigil, Beltsville USA

M K Walker-Simmons Pullman, USA

T L Wang, Norwich, UK

Seed Science Research is a medium for original articles on the physiology, biochemistry and molecular biology of seeds, covering seed and embryo development, maturation, dormancy, germination, viability longevity, vigour, reserve mobilization and the early stages of establishment. Papers on ecology, ecophysiology and applied

research (e.g. priming, pelleting, biotechnology) will also be included if they have a sound theoretical base or a high physio-biochemical content and/or relevance. The journal includes review articles, both commissioned and contributed, and letters (see Notes for Authors).

Authors should submit original manuscript and artwork plus two copies to Professor M Black, Division of Life Sciences, King's College London, Campden Hill Road, London, W8 7AH, UK (see Notes for Authors)

Orders and enquiries concerning subscriptions should be sent to

Marketing and Distribution Services,
C A B INTERNATIONAL
Wallingford, Oxon, OX10 8DE, UK
Telephone Wallingford (0491) 32111
Telex 847964 (COMAGG G)
Fax (0491) 33508
Telecom Gold/International Dialcom 84 CAU001

Disclaimer

The information contained herein including any expression of opinion and any projection or forecast has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

C A B International does not accept responsibility for any trade advertisement included in this publication.

Seed Science Research

Editorial Comment	177
Invited Review	
Logan, D. C & Stewart, G R Germination of the seeds of parasitic angiosperms	179
Research Papers	
Aguilar, R , Reynoso, E , Albores, M. & Sánchez de Jiménez, E Changes in protein synthesis in embryonic axes after long-term storage of maize seeds	191
Aldridge, C D & Probert, R. J. Effects of partial drying on seed germination in the aquatic grasses <i>Zizania palustris</i> L and <i>Porteresia coarctata</i> (Roxb) Tateoka	199
Hill, R D., Durmin, D , Nelson, L A K., Abrams, G D , Gusta, L V. & Abrams, S R. Effects of (\pm)-phaseic acid on developing embryos of barley (<i>Hordeum vulgare</i> , L cv Bonanza) cultured <i>in vitro</i>	207
Poulsen, K M & Eriksen, E N. Physiological aspects of recalcitrance in embryonic axes of <i>Quercus robur</i> L	215
Reuzeau, C , Goffner, D & Cavale, G Relation between protein composition and germination capacity of sunflower seeds	223
Russi, L , Cocks, P S. & Roberts, E H Hard-seededness and seed bank dynamics of six pasture legumes	231
Russi L , Cocks, P S. & Roberts, E H Coat thickness and hard-seededness in some <i>Medicago</i> and <i>Trifolium</i> species	243
Short Communications	
Bruni, F & Leopold, A. C Cytoplasmic glass formation in maize embryos	251
Thompson, S., Bryant, J A & Brocklehurst, P. A Metabolism of polyadenylic acid RNA during seed maturation, ageing and germination in carrot (<i>Daucus carota</i> L)	255
Book Reviews	259
Index of Authors (Volume 2)	263

Abstracted in *Seed Abstracts* (CAB ABSTRACTS),
Current Advances in Plant Science and BIOSIS

© C A B International 1992

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise without prior permission of the copyright owner.