

Second Announcement

**Symposium on Stand Establishment / ISHS Seed
Symposium**

May 16-20 1999

<http://www.conted.vt.edu/stand/establishment.htm>

The Historic Hotel Roanoke and Conference Center:

A Doubletree Hotel, Roanoke, Virginia

☞ Sponsored by:

VT, ISHS, ASHS, COTA
Crop Science Society of America / American Society of Agronomy

☞ In Cooperation with:

Virginia Crop Improvement Association, Monsanto, Novartis, Speedling

Contact:

Gregory E. Welbaum, Ph.D.
Associate Professor
Department of Horticulture
Saunders Hall
Virginia Tech
Blacksburg, VA 24061

E-mail: welbaum@vt.edu
Tel: +1 540 231 5801
Fax: +1 540 231 3083
www.hort.vt.edu/faculty/welbaum/



· **Seed Science
Research** ·

· **Seed Abstracts** ·

· **Ornamental
Horticulture** ·

· **Horticultural Abstracts** ·

· **Review of Aromatic
and Medicinal Plants** ·

· **Postharvest News
and Information** ·

Visit HORT CABWeb now

A demonstration of
HORT CABWeb is
available now - sample files
and tables of
contents are freely
available to visitors.

View the site and
register for full access in
1999 at
<http://hort.cabweb.org>

For Horticulturists and Seed Scientists.....

Whether you need information on fruits, vegetables, ornamentals, medicinal and aromatic plants or plantation crops, you will find something to interest you in HORT CABWeb.

HORT CABWeb will provide Internet access to six key horticultural and seed science titles - available to print or floppy disk subscribers at no extra cost from January 1999.

Why register for HORT CABWeb?

With a subscription to one or more of the six HORT CABWeb titles you or your organization are eligible to register for full access to that title in HORT CABWeb. A registration allows you to:

- Receive subscribed journals direct to your desktop
- Access information up to a month before print
- Search or browse an additional one year archive
- Read about related new books and products
- Link to major societies and WWW resources
- Allow simultaneous multi-user access across campus
- Choose to access by IP address or username and password

Internet access at no extra cost

Individuals or organizations with a print or floppy disk subscription to one or more of the featured journal titles and access to the World Wide Web may register for access to their subscribed titles in HORT CABWeb at no extra cost. HORTCD subscribers may gain access to HORT CABWeb at a specially reduced rate, for more frequent updates to their subject of interest. Internet-only subscriptions are also available.

A registration form and further details are available at <http://hort.cabweb.org/register.htm>

To order now, or for further details and a registration form, contact:

CABI Publishing, CAB International, Wallingford, Oxford, OX10 8DE, UK

Tel: +44 (0) 1491 8332111 Fax: +44 (0) 1491 829198

Email: publishing@cabi.org

CABI Publishing, CAB International, 10 East 40th Street, Suite 3203, New York, NY 10016, USA

Tel: (1) 212 481 7018 Fax: (1) 212 686 7993

Email: cabi-nao@cabi.org

Seed Science Research

Editorial	405
Personal View	
Simpson, G. Seminal thoughts	407
Invited Review	
Shirley, B. W. Flavonoids in seeds and grains: physiological function, agronomic importance and the genetics of biosynthesis	415
Physiology & Biochemistry	
Botto, J. F., Sánchez, R. A. & Casal, J. J. Burial conditions affect light responses of <i>Datura ferox</i> seeds	423
Duff, S. M. G., Guy, P. A., Nie, X., Durnin, D. C. & Hill, R. D. Haemoglobin expression in germinating barley	431
Jalink, H., van der Schoor, R., Frandas, A., van Pijlen, J. G. & Bino, R. J. Chlorophyll fluorescence of <i>Brassica oleracea</i> seeds as a non-destructive marker for seed maturity and seed performance	437
Malan, H. L. & Farrant, J. M. Effects of the metal pollutants cadmium and nickel on soybean seed development	445
Markovič, O. & Obendorf, R. L. Soybean seed pectinesterase	455
Pammenter, N. W., Greggains, V., Kioko, J. I., Wesley-Smith, J., Berjak, P. & Finch-Savage, W. E. Effects of differential drying rates on viability retention of recalcitrant seeds of <i>Ekebergia capensis</i>	463
Sacandé, M., Hoekstra, F. A., van Pijlen, J. G. & Groot, S. P. C. A multifactorial study of conditions influencing longevity of neem (<i>Azadirachta indica</i>) seeds	473
Toorop, P. E., van Aelst, A. C. & Hilhorst, H. W. M. Endosperm cap weakening and endo- β -mannanase activity during priming of tomato (<i>Lycopersicon esculentum</i> cv. MoneyMaker) seeds are initiated upon crossing a threshold water potential	483
Ecology	
Akinola, M. O., Thompson, K. & Hillier, S. H. Development of soil seed banks beneath synthesized meadow communities after seven years of climate manipulations	493
Baskin, J. M., Nan, X. & Baskin, C. C. A comparative study of seed dormancy and germination in an annual and a perennial species of <i>Senna</i> (Fabaceae)	501
Hulme, P. E. Post-dispersal seed predation and seed bank persistence	513
Rodriguez, A. M., Jacobo, E. J. & Deregibus, V. A. Germination behaviour of Italian ryegrass in flooding pampa rangelands	521
Index of Authors (Volume 8)	529
Index of Contents (Volume 8)	533

© CAB INTERNATIONAL, 1998

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.

Printed in the United Kingdom by Information Press, Eynsham, Oxford