



This Journal of Environmental Horticulture article is reproduced with the consent of the Horticultural Research Institute (HRI – [www.hriresearch.org](http://www.hriresearch.org)), which was established in 1962 as the research and development affiliate of the American Nursery & Landscape Association (ANLA – <http://www.anla.org>).

HRI's Mission:

To direct, fund, promote and communicate horticultural research, which increases the quality and value of ornamental plants, improves the productivity and profitability of the nursery and landscape industry, and protects and enhances the environment.

The use of any trade name in this article does not imply an endorsement of the equipment, product or process named, nor any criticism of any similar products that are not mentioned.

# 2005 Volume 23, Numbers 1–4

## Author Index

Abby, T. . . . .	23:108	Hitchmough, J. . . . .	23:101
Akridge, J.R. . . . .	23:77	Jackson, B.E. . . . .	23:118, 133
Allen, E.B. . . . .	23:72	Jacques, V. . . . .	23:54
Allen, M.F. . . . .	23:72	Jull, L.G. . . . .	23:138
Altland, J. . . . .	23:204	Keever, G. J. . . . .	23: 14, 25, 37, 149, 163, 167
Amling, J.W. . . . .	23:25	Kemble, J.M. . . . .	23:133
Appel, A.G. . . . .	23:167	Kessler, Jr., J.R. . . . .	23:25, 37, 149
Appleton, B.L. . . . .	23:174	Khurram, S. . . . .	23:193
Banko, T.J. . . . .	23:1, 153	Klett, J. . . . .	23:185
Barton, S. . . . .	23:127	Klingaman, G.L. . . . .	23:157
Behe, B. . . . .	23:127	Knight, P. . . . .	23:127, 204
Bentz, S.E. . . . .	23:21	Krause, C.R. . . . .	23:47
Blazich, F.A. . . . .	23:4, 33, 91	Kuhns, L.J. . . . .	23:212
Blythe, E.K. . . . .	23:67	Landon, A.L. . . . .	23:1, 153
Bohn, J. . . . .	23:72	Lasseigne, F.T. . . . .	23:171
Braman, S.K. . . . .	23:9, 145	Lemke, H.D. . . . .	23:123
Brazee, R.D. . . . .	23:47	McNiel, R. . . . .	23:127
Brooker, J. . . . .	23:127	Merhaut, D. . . . .	23:72
Buntin, G.D. . . . .	23:9	Miyamoto, S. . . . .	23:193
Burgess, T.L. . . . .	23:4	Morrison, T.A. . . . .	23:14
Cheng, Z-M. . . . .	23:54	Nash, D.L. . . . .	23:4, 33
Clark, J.B. . . . .	23:14	Newman, S.E. . . . .	23:185
Cole, D.M. . . . .	23:118	Nyochembeng, L. . . . .	23:42
Corkidi, L. . . . .	23:72	Oates, J.M. . . . .	23:37, 149
Dai, W. . . . .	23:54	Oetting, R.D. . . . .	23:9
Davis, D.D. . . . .	23:63, 212	Olive, J.W. . . . .	23:77, 179
Derby, S.A. . . . .	23:97	Page, T. . . . .	23:127
Derksen, R.C. . . . .	23:47	Pettis, G.V. . . . .	23:145
Donohue, S.J. . . . .	23:174	Pooler, M.R. . . . .	23:113
Douglass, L.W. . . . .	23:21	Pounders, C. . . . .	23:42
Dourado, A. . . . .	23:101	Quan, Y.L. . . . .	23:185
Downer, J. . . . .	23:72	Randall-Schadel, B. . . . .	23:4
Eakes, D.J. . . . .	23:25	Rathier, T. . . . .	23:108
Einert, A.E. . . . .	23:157	Raupp, M.J. . . . .	23:123
Eom, S.H. . . . .	23:198	Reding, M.E. . . . .	23:47
Evans, M. . . . .	23:72	Reece, W.M. . . . .	23:33
Fare, D.C. . . . .	23:163, 204	Reed, S.M. . . . .	23:29
Fausoy, N.R. . . . .	23:47	Reid, E. . . . .	23:101
Fernandez, T. . . . .	23:127	Rivas-Davila, M.E. . . . .	23:77, 179
Forshee III, W.G. . . . .	23:167	Rowe, B. . . . .	23:127
Fox, L.J. . . . .	23:174	Ruter, J.M. . . . .	23:17
Fu, J.M. . . . .	23:185	Safley, C. . . . .	23:127
Geiser, D.M. . . . .	23:63	Sammons, J.D. . . . .	23:59
Geml, J. . . . .	23:63	Schutzki, R. . . . .	23:127
Gilliam, C.H. . . . .	23:204	Senesac, A.F. . . . .	23:198
Graves, W.R. . . . .	23:86	Sharma, J. . . . .	23:86
Griffin, J.J. . . . .	23:171	Shirazi, A.M. . . . .	23:138
Grose, N. . . . .	23:174	Shrewsbury, P.M. . . . .	23:123
Guillebeau, L.P. . . . .	23:145	Sibley, J.L. . . . .	23:67, 118, 133, 167
Hagan, A.K. . . . .	23:77, 179	Sparks, B. . . . .	23:145
Halcomb, M. . . . .	23:163	Stafone, R.A. . . . .	23:157
Hall, C. . . . .	23:127	Stephenson, J. . . . .	23:179
Hardy, J. . . . .	23:127	Struve, D.K. . . . .	23:59
Harpster, T.L. . . . .	23:212	Thompson, J.M. . . . .	23:167
Harris, J.R. . . . .	23:91	Tilt, K.M. . . . .	23:67
Herman, D. . . . .	23:54	Townsend, A.M. . . . .	23:21, 113
Hicks, J. . . . .	23:127	Trigiano, R.N. . . . .	23:190
Hinesley, L.E. . . . .	23:97	Tsontakis-Bradley, I. . . . .	23:198
Hinson, R. . . . .	23:127	Warren, S.L. . . . .	23:33, 91

Weston, L.A. ....	23:198
Windham, A.S. ....	23:190
Windham, M.T. ....	23:190
Wright, A.N. ....	23:91, 118, 133
Wright, R.D. ....	23:91

Zhu, H. ....	23:47
Zimmerman, E.M. ....	23:138
Zinner, B. ....	23:67
Zondag, R.H. ....	23:47

**Statement of Ownership, Management and Circulation**

**Publication title:** Journal of Environmental Horticulture  
**Publication number:** 0738-2898  
**Filing date:** November 23, 2005  
**Issue frequency:** Quarterly  
**Number of issues published annually:** 4  
**Annual subscription price:** \$95.00 US  
**Complete mailing address of known office of publication:** Horticultural Research Institute, 1000 Vermont Ave., NW, Ste. 300, Washington, DC 20005-4914  
**Publisher:** Horticultural Research Institute, 1000 Vermont Ave., NW, Ste. 300, Washington, DC 20005-4914  
**Editor:** Dr. Thomas A. Fretz, NERA, USDA BARC West Bldg. 003, Rm. 214 10300 Baltimore Ave., Beltsville, MD 20705-2350  
**Managing editor:** Ms. Cathy Good, Iowa State University, 131 Curtiss Hall, Ames, IA 50011  
**Owner:** Horticultural Research Institute, 1000 Vermont Ave., NW, Ste. 300, Washington, DC 20005-4914 USA  
**Tax status:** Has not changed during preceding 12 months  
**Issue date for circulation data below:** September 2004  
**Extent and nature of circulation** (same for average number copies each issue during preceding 12 months and for number copies of single issue published nearest to filing date):

Total number of copies: .....	650
Paid/requested outside-county mail	
subscriptions stated on Form 3541: .....	220
Sales through dealers and carriers, street vendors, counter sales, and other non-USPS paid distribution: ...	250
Other classes mailed through the USPS: .....	90
Total paid and/or requested circulation: .....	560
Free distribution outside the mail: .....	45
Total free distribution: .....	45
Total distribution: .....	605
Copies not distributed: .....	45
Total: .....	650
Percent paid and/or requested circulation: .....	92.6%

Publication of Statement of Ownership will be printed in the December 2005 issue of this publication.  
**Signed:** Teresa A Jodon, Endowment Program Administrator, November 23, 2005

# 2005 Volume 23, Issue 1–4

## Subject Index

- Acer spp.** ... see **Maple**
- Artillery fungi**  
 effect of fungicides on *in-vitro* growth of ..... 23:63  
 use of mushroom compost to suppress ..... 23:212
- Atlantic white cedar**  
 effect of controlled-release fertilizer on  
 growth of ..... 23:97
- Auxin**  
 effect on propagation of *Vinca minor* cuttings ... 23:1
- Biological control**  
 use of parasitoids to control leafminer ..... 23:9
- Biostimulants**  
 effect on landscape plant establishment ..... 23:108
- Black spot**  
 control in rose ..... 23:77
- Black-eyed-Susan**  
 chemical control of growth in ..... 23:25
- Buckhorn**  
 propagation by seed and cuttings..... 23:86
- Cally lily**  
 evaluation of clones for nursery production .... 23:42
- Camellia**  
 response to Sumagic ..... 23:153
- Cercis spp.** ... see **Redbud**
- Cercospora leafspot**  
 control in rose ..... 23:77
- Chamaecyparis spp.** ... see **Atlantic white cedar**
- Cold hardiness**  
 of selected tree species ..... 23:138
- Columbine spp.**  
 control of leafminers on ..... 23:9
- Coreopsis spp.** ... see **Tickseed**
- Cornus spp.** ... see **Flowering dogwood**
- Cotton gin compost**  
 effect on root regeneration ..... 23:133  
 use as a media substrate ..... 23:118
- Crapemyrtle aphid**  
 suppression with insecticides ..... 23:145
- Crataegus spp.** ... see **Indian hawthorn**
- Cupressocyparis spp.** ... see **Leyland cypress**
- DNA fingerprinting**  
 of American elm clones ..... 23:113
- Dutch elm disease**  
 evaluation of American elm clones for  
 tolerance ..... 23:21  
 evaluation for tolerance to Dutch elm disease... 23:21
- Elm**  
 DNA fingerprinting of ..... 23:113  
 evaluation for tolerance to Dutch elm disease... 23:21
- Euonymus**  
 effect of fertilizer on plant establishment ..... 23:157
- Fertilizer**  
 controlled-release fertilizers on growth of  
 Atlantic white cedar ..... 23:97
- effect on groundcover establishment ..... 23:157
- Flowering dogwood**  
 control of powdery mildew in ..... 23:179, 190  
 effect of seed storage temperature on  
 germination ..... 23:29
- Fungicide**  
 for control of powdery mildew in flowering  
 dogwood ..... 23:179  
 impacts on disease severity in rose ..... 23:77  
 on *in-vitro* growth of artillery fungi..... 23:63
- Germination**  
 effect of temperature and surface  
 disinfectants on ..... 23:4
- Goldenrain tree**  
 effect of Bioplex on transplant success ..... 23:59
- Groundcovers**  
 as weed suppressive agents ..... 23:198  
 establishment in sun and shade environments .. 23:157
- Growth regulation**  
 effect on flower bud set in *Camellia* ..... 23:153  
 in *Coreopsis* spp. .... 23:25  
 in *Indian hawthorn* ..... 23:37  
 in *Rudbeckia* spp. .... 23:25  
 in *Vinca minor* ..... 23:14  
 NAA on vegetative shoot growth ..... 23:163  
 plant response to benzyladenine (BA) ..... 23:149
- Hedera spp.** ... see **Ivy**
- Home values**  
 effect of landscape material on ..... 23:127
- Host plant resistance**  
 to control *Columbine* leafminers ..... 23:9
- Indian hawthorn**  
 effect of BA on branching and growth ..... 23:37
- Industrial by-products**  
 monolithic slag as a propagation substrate ..... 23:67
- Insecticides**  
 on suppression of *Japanese beetle* ..... 23:145
- Integrated pest management**  
 of bagworms on *Leyland cypress* ..... 23:123
- Irrigation**  
 use of recycled waste water as a source .. 23:174, 185
- Ivy**  
 effect of fertilizer on plant establishment ..... 23:157
- Japanese beetle**  
 suppression with insecticides ..... 23:145
- Kalmia spp.** ... see **Mt. Laurel**
- Koelruetaria spp.** ... see **Goldenrain tree**
- Leafminers**  
 control with parasitoids ..... 23:9
- Leyland cypress**  
 control of bagworms on ..... 23:123
- Lily turf**  
 effect of fertilizer on plant establishment ..... 23:157

<b>Linden</b>	
effect of freezing and salinity on cold	
hardiness .....	23:138
<b>Liquidambar spp.</b> ... see <b>Sweetgum</b>	
<b>Liriope spp.</b> ... see <b>Lily turf</b>	
<b>Maple</b>	
effect of freezing and salinity on cold	
hardiness .....	23:138
<b>Marketing</b>	
landscape impact on home values .....	23:127
<b>Micro-irrigation</b>	
in pot-in-pot production systems .....	23:47
<b>Micro-propagation</b>	
of redbud .....	23:54
<b>Mouse ear disorder</b>	
in River birch .....	23:17
<b>Mt. Laurel</b>	
effect of landscape exposure on transplant	
success .....	23:91
<b>Mulch</b>	
effect on establishment of prairie grasses .....	23:101
<b>Mushroom compost</b>	
use to suppress artillery fungi growth .....	23:212
<b>Mycorrhizal inoculants</b>	
effect on landscape plant establishment .....	23:108
effectiveness of commercial materials .....	23:72
<b>Nickel sulfate</b>	
use to control mouse ear disorder in river	
birch .....	23:17
<b>Palms</b>	
resistance to salinity .....	23:193
<b>Peach</b>	
response to NAA .....	23:163
<b>Pest control</b>	
use of copper hydroxide on slugs .....	23:176
<b>Pine</b>	
use of recycled waste water to irrigate .....	23:185
<b>Pinus spp.</b> ... see <b>Pine</b>	
<b>Pot-in-Pot Production Systems</b>	
nutrient use in .....	23:47
weed control in .....	23:204
<b>Powdery mildew</b>	
control in flowering dogwood .....	23:179, 190
<b>Prairie grass establishment</b>	
response to mulching .....	23:101
<b>Propagation</b>	
effect of storage temperature on germination	
of dogwood .....	23:29
effect of stratification on germination of	
Seabeach amaranth .....	23:33
effects of K-IBA on rooting of stem cuttings ..	23:171
of Rhamnus by cuttings .....	23:86
of Rhamnus by seed .....	23:86
of Sea Oats ( <i>Unicola</i> spp.) by seed .....	23:4
of Vinca Minor by stem cuttings .....	23:1
use of monolithic slag as a substrate .....	23:67
<b>Prunus spp.</b> ... see <b>Peach</b>	
<b>Recycled waste water</b>	
use as an irrigation source .....	23:174, 185
<b>Redbud</b>	
micro-propagation using single node	
culture .....	23:54
<b>Rhamnus spp.</b> ... see <b>Buckhorn</b>	
<b>River birch</b>	
control of mouse ear disorder in .....	23:17
<b>Root growth</b>	
effect of cotton gin compost on .....	23:133
<b>Rudbeckia spp.</b> ... see <b>Black-eyed Susan</b>	
<b>Salinity</b>	
effect on growth of cold-resistant palms .....	23:193
<b>Sea oats (<i>Uniola paniculata</i>)</b>	
seed germination of .....	23:4
<b>Seabeach amaranth</b>	
influence of stratification on seed	
germination .....	23:33
<b>Seed dormancy</b>	
in Seabeach Amaranth .....	23:33
<b>Slugs</b>	
effect on copper hydroxide on feeding of .....	23:176
<b>Snowbells</b>	
effect of K-IBA on rooting .....	23:171
<b>Stem cuttings</b>	
effect of monolithic slag as a root	
substrate for .....	23:67
<b>Styrax spp.</b> ... see <b>Snowbells</b>	
<b>Substrate</b>	
for production of container-grown nursery	
crops .....	23:118
<b>Sweetgum</b>	
evaluation of mycorrhizal inoculants on	
growth of .....	23:72
<b>Tickseed</b>	
chemical control of growth in .....	23:25
<b>Tilia spp.</b> ... see <b>Linden</b>	
<b>Transplant establishment</b>	
of Mt. Laurel .....	23:91
of summer-dug Goldenrain tree .....	23: 59
<b>Ulmus spp.</b> ... see <b>Elm</b>	
<b>Viburnum</b>	
effect of freezing and salinity on cold	
hardiness .....	23:138
<b>Vinca spp.</b>	
propagation by single-node cuttings .....	23:1
chemical regulation of growth .....	23:14
<b>Waste products</b>	
use of cotton gin compost in growing	
substrate .....	23:133
<b>Water monitoring</b>	
in pot-in-pot production systems .....	23:47
<b>Weed control</b>	
in a pot-in-pot production system .....	23:204
use of herbaceous perennials to suppress	
weeds .....	23:198
<b>Weed management</b>	
effect on establishment of prairie grasses .....	23:101
<b>Zantedeschia spp.</b> ... see <b>Calla lily</b>	