



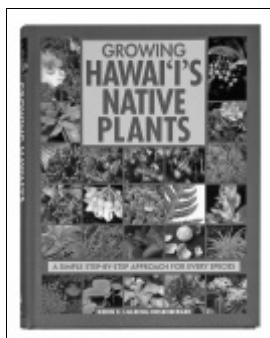
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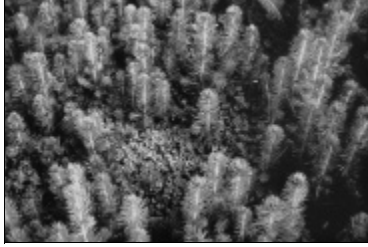
Growing Hawai'i's native plants: a simple step-by-step approach for every species. Lilleeng-Rosenberger, K.E. Mutual Publishing. 416 p.

First of all, this large-format softbound book is just beautiful. It's filled with high-quality color photographs of a wide variety of native Hawaiian plants. In Part One, basic propagation techniques are discussed starting with how to collect, process, and store seeds. The information on seed and vegetative propagation is comprehensive and well-illustrated. Discussions of pest control and outplanting fill-out this section. Part Two present profiles of native Hawaiian plants and how they can be propagated, and is organized by family and genera. This book is a must for anyone interested in the propagation of tropical native plants, and information on how to order it can be found at the end of the Diverse Species section.



A new technology for production of broad-leaved forest seedlings to promote sustainable management of European forestry. Ciccarese, L.; Mattsson, A.; Andersen, L. APAT (Italian Agency for Environmental Protection and Technical Service), Rapporti 53. 115 p.

This softbound publication reports on one of the first comprehensive research trials on miniplug transplants using stabilized growing media. The research is part of a joint program by Italy, Denmark, and Sweden to propagate broadleaved trees using stabilized media miniplugs produced by International Horticultural Supply, and miniature Jiffy plugs of compressed peat moss surrounded by plastic webbing. Results are presented in color photographs, line and bar graphs; of particular note, one pie chart gives a detailed breakdown of production costs. I'm working on an article on stabilized media transplants for the *Native Plants Journal* and will also feature this technology in the Summer 2006 issue of FNN. Ordering information can be found at the end of the Container Production section.



193. Get a handle on liverwort. Altland, J. *Nursery Management and Production* 21(1):44-51. 2005.

Liverworts have been a problem for container growers for years but, until now, there really wasn't a single source of information on these plant pests. James does an excellent job of discussing all aspects of how to manage liverworts, including the very latest chemical controls. Just circle #193 on the Literature Order Form, mail it, and we'll get you the full article.



1. Application of living mulch for spring-sown loblolly pine. Ensminger, P. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.29-30. 2005.

2. Cover crops used at Georgia Forestry Commission Flint River and Walker Nurseries. Fields, J. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.33. 2005.

3. Cover crops used at Vallonia Nursery, Indiana Division of Forestry. Hawkins, R. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.31-32. 2005.

4. © Effects of bareroot nursery practices on tree seedling root development: an evolution of cultural practices at J. Herbert Stone nursery. Riley, L. E. and Steinfeld, D. *New Forests* 30(2-3):107-126. 2005.

5. Mechanized symmetrical sowing. Howell, K. D. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.56-62. 2005.

6. Methyl bromide use in forest tree nurseries -- what happens after January 1, 2005? Masters, C. J. *Tree Planters' Notes* 51(1):4-5. 2005.

7. Straw mulch prevents loss of fall-sown seeds to cold temperatures and wildlife predation. Wichman,

J., Hawkins, R., and Pijut, P. M. *Native Plants Journal* 6 (3):282-285. 2005.

8. Survey of root and shoot cultural practices for hardwood seedlings. Vanderveer, H. L. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.21-23. 2005.

9. Use of cover crops in hardwood production. Rentz, R. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.28. 2005.



10. Legionnaires disease: a risk for propagators. McPhee, G. *International Plant Propagators' Society, combined proceedings* 2004, 54:85-87. 2005.

11. Needs and benefits of nursery accreditation. Karrfalt, R. P. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.63-66. 2005.

12. The price is right. Hall, C. R. *American Nurseryman* 202(6):26-28, 30-31. 2005. There are ways to come up with a price on products that won't give the customer sticker shock.

13. Save money with your trucks. Bartok, J. W., Jr. *Greenhouse Management and Production* 25(10):72. 2005.

14. See it to believe it. *Digger* 49(10):55-56. 2005. Eye protection for your employees.

15. Want fries with that? Cordell, M. R. Digger 49 (8):70, 72, 74-76. 2005. A Philadelphia-area farmer heats his greenhouse with free vegetable oil.



16. The ABCs of P-I-P. Zimlich, A. American Nurseryman 202(3):39-40, 42, 44, 46. 2005. Pot-in-pot production has been around long enough to be a proven means of growing tree and plant stock.

17. Container hardwood seedling production. McRae, J. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.26-27. 2005.

18. Controlled release fertilizer improves quality of container longleaf pine seedlings. Dumroese, R. K., Parkhurst, J., and Barnett, J. P. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.3-8. 2005.

19. Environmental control. Harford, K. International Plant Propagators' Society, combined proceedings 2004, 54:96-100. 2005. For a plant to achieve optimum growth, a number of environmental requirements must be in balance. Environmental control is essential for profitable production.

20. Factors influencing the quality of nursery seedlings of *Pinus pseudostrubus* Lindl. Dominguez, P. A., Navar, J., Hernandez, C., and Tienda, J. Tree Planters' Notes 51(1):47-52. 2005.

21. Growth of containerized Atlantic white cedar seedlings as affected by container volume, substrate, fertilizer, and irrigation. Derby, S. A. and Hinesley, L. E. HortScience 40(6):1755-1759. 2005.

22. Hot air cleaning of styrofoam containers in forest nurseries. James, R. L. and Trent, A. Tree Planters' Notes 51(1):16-21. 2005.

23. How to increase plant height. Runkle, E. S. Greenhouse Management and Production 25(8):74, 76-77. 2005.

24. New seedling techniques for woody plants. Armstrong, M. International Plant Propagators' Society, combined proceedings 2004, 54:427-429. 2005.

25. Regulating growth. Pasian, C. American Nurseryman 202(1):27-29. 2005. By using the appropriate type of fertilizer and the right amounts of light and temperature, growers can control a plant's height while maintaining its quality.

26. © Root-freezing damage in the containerized nursery: impact on plantation sites -- a review. Bigras, F. J. and Dumais, D. New Forests 30(2-3):167-184. 2005.

27. Solutions for pot-in-pot root escape, root circling, and heat shock at harvest. Whitcomb, C. E. and Whitcomb, A. C. International Plant Propagators' Society, combined proceedings 2004, 54:573-578. 2005.

28. Sowing depth, media, and seed size interact to influence emergence of three pine species. Aldrete, A. and Mexal, J. G. Tree Planters' Notes 51(1):27-31. 2005.

29. Three-dimensional air root pruning. Lawton, P. International Plant Propagators' Society, combined proceedings 2004, 54:135-136. 2005.

SO. Effects of cell size and spacing on root density and field performance of container-reared black spruce. Salonijs, P., Beaton, K., and Roze, B. Canadian Forest Service, Atlantic Forestry Centre, Information Report M-X-208E. 21 p. 2000. ORDER FROM: Atlantic Forestry Centre, P.O. Box 4000, Fredericton, N. B. Canada E3B 5P7 Canada. Phone: 506-452-3500.

SO. Extended nursery rearing compromises field performance of container-reared conifer seedlings. Salonijs, P., Hallett, R., Beaton, K., and French, C. Canadian Forest Service, Atlantic Forestry Centre, Information Report M-X-214E. 21 p. 2002. ORDER FROM: Atlantic Forestry Centre, P.O. Box 4000, Fredericton, N.B. Canada E3B 5P7 Canada. Phone: 506-452-3500.

SO. A new technology for production of broad-leaved forest seedlings to promote sustainable management of European forestry. Ciccarese, L.; Mattsson, A.; Andersen, L. APAT (Italian Agency for Environmental Protection and Technical Service), Rapporti 53. 115 p. AVAILABLE ONLINE FROM: http://www.apat.gov.it/site/it-IT/APAT/Pubblicazioni/Rapporti/Documento/rapporti_2005_53.html

30. Using a steamroom to sterilize pallets of styrofoam seedling container blocks. Trent, A., James, R., Fleege, C., and Hileman, G. USDA Forest Service, Technology and Development Program, 0524-2808-MTDC. 10 p. 2005. ORDER FROM: USDA FS, Missoula Technology and Development Center, 5785 Hwy 10 West, Missoula, MT 59808-9361. Phone 406-329-3978. E-mail wo_mtdc_pubs@fs.fed.us. Available online at <http://www.fs.fed.us/t-d/> (username: t-d, password: t-d).



30. Actinorhizae and *Ceanothus* growing. Lu, S. International Plant Propagators' Society, combined proceedings 2004, 54:336-338. 2005.

31. © Assessing simple versus complex restoration strategies for industrially disturbed forests. Rayfield, B., Anand, M., and Laurence, S. Restoration Ecology 13 (4):639-650. 2005.

32. Collecting seeds on private property: the importance of reciprocal agreements. Allison, B. Native Plants Journal 6(2):121-122. 2005.

33. Color explosion: growing azaleas from seed. Lee, R. International Plant Propagators' Society, combined proceedings 2004, 54:564-566. 2005.

34. Cordless hedge trimmer for seed collection. Hamernik, M. and Hamernik, H. Native Plants Journal 6 (2):132. 2005.

35. Ecological restoration in a giant sequoia grove. Demetry, A. and Manley, J. IN: Crossing boundaries in park management: proceedings of the 11th conference on research and resource management in parks and on public lands, p. 125-134. George Wright Society Biennial Conference. 2001.

36. © Effect of planting season, bunchgrass species, and neighbor control on the success of transplants for grassland restoration. Page, H. N. and Bork, E. W. Restoration Ecology 13(4):651-658. 2005.

37. Effect of scarification, seed storage temperature, and relative humidity on *Lupinus hvardii* Wats. and *Lupinus texensis* Hook. seed germination. Mackay, W. A. Hortscience 40(3):782-785. 2005.

38. The effect of seed source, light during germination, and cold-moist stratification on seed germination in three species of *Echinacea* for organic production. Romero, F. R., Delate, K., and Hannapel, D. J. HortScience 40(6):171-175. 2005.

39. © The effect of stratification temperatures on the level of dormancy in primary and secondary dormant seeds of two *Carex* species. Brandel, M. Plant Ecology 178(2):163-169. 2005.

40. Effective restoration at the grass roots. Boyer, L. L. International Plant Propagators' Society, combined proceedings 2004, 54:501-504. 2005.

41. © Effects of burial in sand and water supply regime on seedling emergence of six species. Zheng, Y., Xie, Z., Yu, Y., Jiang, L., Shimizu, H., and Rimmington, G. M. Annals of Botany 95(7):1237-1245. 2005.

42. © Effects of light, temperature and water stress on germination of *Artemisia sphaerocephala*. Zheng, Y., Xie, Z., Jian, L., Xing, X., Shimizu, H., and Rimmington, G. M. Annals of Applied Biology 146 (3):327-335. 2005.

43. The effects of short-term drying on seed germination in *Rosa*. Zlesak, D. C. HortScience 40 (6):1931-1932. 2005.

44. Establishing Wyoming big sagebrush seed orchards on reclaimed mined land. Booth, D. T. Native Plants Journal 6(3):247-253. 2005.

45. Establishment of prairie cordgrass (*Spartina pectinata*) from seed and rhizome. Knudson, M., Jensen, N., Bergsagel, R., and Duckwitz, W. International Plant Propagators' Society, combined proceedings 2004, 54:550-552. 2005.

46. © Establishment of the woody grass *Arundinaria gigantea* for riparian restoration. Dattilo, A. J. and Rhoades, C. C. Restoration Ecology 13(4):616-622. 2005.

47. Evaluation of *Penstemon* as a host for *Castilleja* in garden or landscape. Nelson, D. A. Native Plants Journal 6(3):254-262. 2005.

© 48. Factors affecting germination and pregerminative treatments of *Lupinus montanus* seeds. Acosta-Percastegui, J. and Rodriguez-Trejo, D. A. Interciencia 30(9):576-579. 2005.

- 49. Fire restoration in the Northern Region, USDA Forest Service.** Scott, G., Shelly, S., and Olivarez, J. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.84-89. 2005.
- 50. Fourwing saltbush seed yield and quality: irrigation, fertilization, and ecotype effects.** Petersen, J. L. and Ueckert, D. N. *Rangeland Ecology and Management* 58(3):299-307. 2005.
- 51. Hurricanes, bears, and propagating *Persea palustris*.** Colodney, E. J. *Native Plants Journal* 6(3):242-244. 2005.
- 52. Impact of defoliation on herbage and seed production of *Strophostyles helvula* and *S. leiosperma*.** Muir, J. P., Reed, R. L., and Malinowski, D. P. *Native Plants Journal* 6(2):123-130. 2005.
- 53. Increasing native forb seed supplies for the Great Basin.** Shaw, N. L., Lambert, S. M., DeBolt, A. M., and Pellant, M. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.94-102. 2005.
- 54. Influence of seed size, testa color, scarification method, and immersion in cool or hot water on germination of *Baptisia australis* (L.) R. Br. seeds.** Boyle, T. H. and Hladun, K. *HortScience* 40(6):1846-1849. 2005.
- 55. Intermountain Native Plant Growers Association: a nonprofit trade organization promoting landscape use of native plants.** Meyer, S. E. *Native Plants Journal* 6(2):104-107. 2005.
- 56. Mist interval and K-IBA concentration influence rooting of orange and mountain azalea.** Knight, P. R., Coker, C. H., Anderson, J. M., Murchison, D. S., and Watson, C. E. *Native Plants Journal* 6(2):111-117. 2005.
- 57. Mulch type, mulch depth, and rhizome planting depth for field-grown American mayapple.** Cushman, K. E., Maqbool, M., and Gerard, P. D. *Hortscience* 40(3):635-639. 2005.
- 58. Native seeds in commerce: more frequently asked questions.** Jones, T. A. and Young, S. A. *Native Plants Journal* 6(3):286-293. 2005.
- 59. Native wildflower and grass propagation information.** Diboll, N. International Plant Propagators' Society, combined proceedings 2004, 54:391-401. 2005.
- 60. Out of the woods.** van Berkum, L. *American Nurseryman* 202(4):18-20, 22, 24, 26, 28. 2005. Long overlooked, native woodland plants have been gaining popularity and are finding a home in the American landscape.
- 61. © Planning for restoration: a decision analysis approach to prioritization.** Cipollini, K. A., Maruyama, A. L., and Zimmerman, C. L. *Restoration Ecology* 13(3):460-470. 2005.
- 62. Propagating *Helleborus*.** Bush, A. *American Nurseryman* 201(12):33-35. 2005.
- 63. Propagation of *Clematis fremontii* and related species from seed.** Barnes, H. W. International Plant Propagators' Society, combined proceedings 2004, 54:508-509. 2005.
- 64. Propagation of ferns from spores.** Wihongi, D. International Plant Propagators' Society, combined proceedings 2004, 54:122-124. 2005.
- 65. Propagation of giant cane (*Arundinaria gigantea*) using rhizome cuttings.** Zaczek, J. J., Williard, K. W. J., Baer, S. G., Groninger, J. W., and Sexton, R. L. International Plant Propagators' Society, combined proceedings 2004, 54:408-411. 2005.
- 66. Propagation protocol for California redbud (*Cercis orbiculata* Greene).** Keeley, M. *Native Plants Journal* 6(2):131. 2005.
- 67. Propagation protocol for Jack-in-the-pulpit (*Arisaema triphyllum*).** Schultz, J. *Native Plants Journal* 6(2):109-110. 2005.
- 68. Propagation protocol for meadow beauty *Rhexia virginica* L. (Melastomataceae).** Chiari, A. *Native Plants Journal* 6(2):119-120. 2005.
- 69. Propagation protocol for oneseed and Utah junipers (*Juniperus monosperma* and *Juniperus osteosperma*).** Mandel, R. and Alberts, D. *Native Plants Journal* 6(3):263-266. 2005.
- 70. Propagation protocol for Virginia saltmarsh mallow, *Kosteletzkya virginica*.** Ingersoll, D. C. and Day, S. L. *Native Plants Journal* 6(3):245-246. 2005.

71. Propagule type and planting time affect subsequent mayapple growth. Cushman, K. E. and Maqbool, M. Hortscience 40(3):640-644. 2005.

72. Purchasing native seeds -- advice from a nurseryman. Allison, B. Native Plants Journal 6(3):295-296. 2005.

73. © Residual effects of glyphosate herbicide in ecological restoration. Cornish, P. S. and Burgin, S. Restoration Ecology 13(4):695-702. 2005.

74. Roadside revegetation of forest highways: new applications for native plants. Landis, T. D., Wilkinson, K. M., Steinfeld, D. E., Riley, S. A., and Fekaris, G. N. Native Plants Journal 6(3):297-305. 2005.

75. The role of propagation in conserving endangered endemic plants of the Virgin Islands. Hamilton, M. International Plant Propagators' Society, combined proceedings 2004, 54:235-239. 2005.

76. Seed germination and viability of Wyoming sagebrush in northern Nevada. Busso, C. A., Mazzola, M., and Perryman, B. L. Interciencia 30(10):631-637. 2005.

77. Seed germination of *Rhamnus caroliniana*: implications for ecology and horticulture. Stewart, J. R. and Graves, W. R. Hortscience 40(3):767-770. 2005.

78. Seed production and establishment of western Oregon native grasses. Darris, D. C. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.119-128. 2005.

79. Seeds obtained by vacuuming the soil surface after fire compared with soil seedbank in a flatwoods plant community. Kalmbacher, R., Cellinese, N., and Martin, F. Native Plants Journal 6(3):233-241. 2005.

80. Showy four o'clock, *Mirabilis multiflora*. Decker, C. Native Plants Journal 6(3):279-281. 2005.

81. Starch utilization during in vitro rooting of easy- and difficult-to-acclimatize sea oats (*Uniola paniculata*) genotypes. Valero-Aracama, C., Kane, M. E., Philman, N. L., and Wilson, S. B. International Plant Propagators' Society, combined proceedings 2004, 54:582-587. 2005.

82. © Temperature effects on dormancy levels and germination in temperate forest sedges (*Carex*). Brandel, M. and Schutz, W. Plant Ecology 176(2):245-261. 2005.

SO. Growing Hawai'i's native plants: a simple step-by-step approach for every species. Lilleeng-Rosenberger, K.E. Mutual Publishing. 416 p. ORDER FROM: Mutual Publishing LLC, 1215 Center Street, Suite 210, Honolulu, Hawaii 96816. Phone 808-732-1709. E-mail mutual@mutualpublishing.com. Web: www.mutualpublishing.com



83. © Ammonium assimilation in *Pinus radiata* seedlings: effects of storage treatments, transplanting stress and water regimes after planting under simulated field conditions. Mena-Petite, A., Lacuesta, M., and Munoz-Rueda, A. Environmental and Experimental Botany 55(1-2):1-14. 2005.

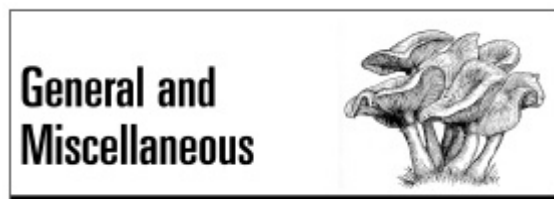
84. Compost teas and crop quality in nursery stock. Litterick, A., Watson, C., Wallace, P., and Wood, M. International Plant Propagators' Society, combined proceedings 2004, 54:174-177. 2005. Compost teas and extracts are defined and their effects on the health of crops examined.

85. © Effects of phenolics on seedling growth and ¹⁵N nitrate absorption of *Cunninghamia lanceolata*. Chen, L., Wang, S., and Yu, X. Allelopathy Journal 15(1):57-66. 2005.

86. Facilitating nutrient acquisition of black walnut and other hardwoods at plantation establishment. Jacobs, D. F. and Seifert, J. R. IN: USDA Forest Service, North Central Research Station, General Technical Report NC-243, p. 66-70. Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004. 2004.

87. © Fertilizer-induced changes in rhizosphere electrical conductivity: relation to forest tree seedling root system growth and function. Jacobs, D. F. and Timmer, V. R. New Forests 30(2-3):147-166. 2005.

- 88. Fertilizing for the future.** Eberly, D. and Collard, J. *Greenhouse Grower* 23(8):32, 34-36. 2005. Maximize your fertilizer budget with Staged Nutrient Release technology.
- 89. Focus on fertilizers during propagation.** Ferry, S. *Greenhouse Management and Production* 25(12):51-54. 2005. When to fertilize and how much fertilizer should be applied during propagation are keys to crop success.
- 90. © Growth and nutrient dynamics of western hemlock with conventional or exponential greenhouse fertilization and planting in different fertility conditions.** Hawkins, B. J., Burgess, D., and Mitchell, A. K. *Canadian Journal of Forest Research* 35 (4):1002-1016. 2005.
- 91. © Growth and nutritional responses of hardwood seedlings to controlled-release fertilization at outplanting.** Jacobs, D. F., Salifu, K. F., and Seifert, J. R. *Forest Ecology and Management* 214(1-3):28-39. 2005.
- 92. © Growth and phosphorus productivity of non-mycorrhizal *Pinus pinaster* seedlings: comparison of three populations and seven full-sib families within a population.** Nguyen-Queyrens, A., Tarnawski, S., and Ceschia, E. *Scandinavian Journal of Forest Research* 20 (3):196-205. 2005.
- 93. © Growth response of Douglas-fir seedlings to nitrogen fertilization: importance of Rubisco activation state and respiration rates.** Manter, D. K., Kavanagh, K. L., and Rose, C. L. *Tree Physiology* 25 (8):1015-1021. 2005.
- 94. Hardwood seedling nutrition.** Davey, C. B. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.17-20. 2005.
- 95. © Impact of nitrogen and phosphorus fertilization on drought responses in *Eucalyptus grandis* seedlings.** Graciano, C., Guiamet, J. J., and Goya, J. F. *Forest Ecology and Management* 212(1-3):40-49. 2005.
- 96. Micronutrient disorders in Eucalypt plantation: causes, symptoms, identification, impact and management.** Dell, B., Xu, D., Rogers, C., and Huang, L. IN: Proceedings of the international symposium, Eucalyptus plantations: research, management and development, p. 241-252. Edited by R.-P. Wei and D. Xu. World Scientific. 2003.
- 97. © Mobility, solubility and lability of fluid and granular forms of P fertiliser in calcareous and non-calcareous soils under laboratory conditions.** Lombi, E., McLaughlin, M. J., Johnston, C., Armstrong, R. D., and Holloway, R. E. *Plant and Soil* 269(1-2 Spec. Iss.):25-34. 2004.
- 98. Plant nutrient testing and analysis in forest and conservation nurseries.** Landis, T. D., Haase, D. L., and Dumroese, R. K. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.76-84. 2005.
- 99. Responses of container-grown ninebark to crude and nutrient-enriched recirculating compost leachates.** Gils, J., Chong, C., and Lumis, G. *HortScience* 40(5):1507-1512. 2005.
- 100. Soils and nutrition management for black walnut.** Ponder, F., Jr. IN: USDA Forest Service, North Central Research Station, General Technical Report NC-243, p. 71-76. Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004. 2004.
- 101. Using nutrition effectively during propagation.** McPherson, D. International Plant Propagators' Society, combined proceedings 2004, 54:88-89. 2005. Incorporating controlled release fertilizer in the propagation media for woody cuttings.
- 102. Variation in nutrient release of polymer-coated fertilizers.** Jacobs, D. F. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.113-118. 2005.
- 103. © AFFOREST sDSS: a metamodel based spatial decision support system for afforestation of agricultural lands.** Gilliams, S., Van Orshoven, J., Muys, B., Kros, H., Heil, G. W., and Van Deursen, W. *New Forests* 30(1):33-53. 2005.



- 104. Estimating project-specific restoration costs.** Thomas, T., Lee, G., and Fenton-Hathaway, A. IN: Protecting our diverse heritage: the role of parks, protected areas, and cultural sites, p. 98-102. George Wright Society, Inc. 2004.
- 105. Exceptionally high plasma cortisol levels and IL-6 levels in reforestation workers.** Roberts, D. *Medicine and Science in Sports and Exercise* 36(5 Suppl):S220. 2004.
- 106. Forest landscape restoration in context.** Dudley, N., Mansourian, S., and Vallauri, D. IN: *Forest restoration landscapes: beyond planting trees*, p. 3-7. Springer. 2005.
- 107. The forest nurseries in northeast China.** Hailong, S. *International Plant Propagators' Society, combined proceedings 2004*, 54:555-559. 2005.
- 108. The German debate on native tree production and use.** Carthaigh, D. M. *International Plant Propagators' Society, combined proceedings 2004*, 54:232-235. 2005.
- 109. Humpty Dumpty and restoration policy** Lavigne, P. *Natural Resources Journal* 45(2):495-506. 2005.
- 110. The importance of sustainable inputs in plant production.** Riley, B. *International Plant Propagators' Society, combined proceedings 2004*, 54:178-180. 2005. In order maintain the image of horticulture as "environmentally friendly", growers need to be aware of such things as the high-energy input and waste potential of containers, the use of peat which depletes wild places, fertilizer runoff, water recycling and pesticide use.
- 111. A knowledge exchange system: putting innovation to work.** DeYoe, D. and Hollstedt, C. *BC Journal of Ecosystems and Management* 4(1):1-10. 2004.
- 112. National Wild Turkey Federation programs.** Keck, R. IN: *National proceedings, Forest and Conservation Nursery Associations, 2004*. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.43-45. 2005.
- 113. Photography tips for those involved in the nursery industry.** Davis, T. *International Plant Propagators' Society, combined proceedings 2004*, 54:594-596. 2005.
- 114. Planting forests in deforested areas of central Russia.** Piskareva, S. and Kartyushova, G. IN: *Forest landscape restoration in central and northern Europe*, p. 111-115. *EFI proceedings* 53. 2005.
- 115. Planting the seeds of learning.** Haque, M. T. and Baker, M. *American Nurseryman* 202(5):18-21. 2005. The ethnobotany garden at the South Carolina Botanical Garden is used to educate children on how humans have relied on plants throughout history.
- © **116. The role of forestry projects in the clean development mechanism.** Jung, M. *Environmental Science and Policy* 8(2):87-104. 2005.
- 117. Sowing the seeds for Scotland's woodland future: the Scottish Forest Alliance -- a unique BP project.** Harvey, G. IN: *Forest landscape restoration in central and northern Europe*, p. 131-138. *EFI Proceedings* 53. 2005.
- 118. Taking research to the grower.** Wright, N. *Greenhouse Grower* 23(11):40-41. 2005. In its second year, the Young Plant Research Center at the University of New Hampshire is making strides toward providing valuable findings to the industry.
- 119. Tree planting in the United States.** South, D. B. *Tree Planters' Notes* 51(2):2-3. 2005. Reviews the history of planting in the U.S. and discusses the difficulty of obtaining accurate information today.
- 120. Twenty years of nursery history -- a Forest Service perspective.** Burch, F. IN: *National proceedings, Forest and Conservation Nursery Associations, 2004*. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.69-72. 2005.
- SO. National proceedings: Forest and Conservation Nursery Associations - 2004.** Dumroese, R. K., Riley, L. E., and Landis, T. D. USDA Forest Service, Rocky Mountain Research Station, RMRS-P-35. 142 p. 2005. ORDER FROM: Publications Distribution, Rocky Mountain Research Station, 240 Prospect Road, Fort Collins, CO 80526. rschneider@fs.fed.us Free. A compilation of 30 papers presented at the regional meetings of the Southern, Northeastern and Western Forest and Conservation Nursery Associations. All papers are entered individually in this issue of *Forest Nursery Notes*.

Genetics and Tree Improvement



Genome
Aa
Bb
cc
Dd

121. © Application of genetic markers to the discrimination of European black poplar (*Populus nigra*) from American black poplar (*P. deltoides*) and hybrid poplars (*P. x canadensis*) in Switzerland.

Holderegger, R., Angelone, S., Brodbeck, S., Csencsics, D., Gugerli, F., Hoebee, S. E., and Finkeldey, R. *Trees: Structure and Function* 19(6):742-747. 2005.

122. © Early rooting of dormant hardwood cuttings of *Populus*: analysis of quantitative genetics and genotype x environment interactions. Zalesny, R. S., Jr. Riemenschneider, D. E., and Hall, R. B. *Canadian Journal of Forest Research* 35(4):918-929. 2005.

123. © Geneecology of Douglas-fir in western Oregon and Washington. St. Clair, J. B., Mandel, N. L., and Vance-Borland, K. W. *Annals of Botany* 96(7):1199-1214. 2005.

124. © Genetic variation in Turkish red pine (*Pinus brutia* Ten.) seed stands as determined by RAPD markers. Kandedmir, G. E., Kandemir, I., and Kaya, Z. *Silvae Genetica* 53(4):169-175. 2004.

125. © Identification of seed sources and parents of *Pinus sylvestris* L. using visible-near infrared reflectance spectra and multivariate analysis. Tigabu, M., Oden, P. C., and Lindgren, D. *Trees: Structure and Function* 19(4):468-476. 2005.

Mycorrhizae & Beneficial Microorganisms



126. Arbuscular mycorrhizal inoculation following biocide treatment improves *Calocedrus decurrens* survival and growth in nursery and outplanting sites.

Amaranthus, M. and Steinfeld, D. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.103-108. 2005.

127. Assessing the infectivity of commercial mycorrhizal inoculants in plant nursery conditions.

Corkidi, L., Allen, E. B., Merhaut, D., Allen, M. F., Downer, J., Bohn, J., and Evans, M. *Journal of Environmental Horticulture* 22(3):149-154. 2004.

© 128. Ectomycorrhizal impacts on nutrient uptake pathways in woody roots. Taylor, J. H. and Peterson, C. A. *New Forests* 30(2-3):203-214. 2005.

129. Effectiveness of commercial mycorrhizal inoculants on the growth of *Liquidambar styraciflua* in plant nursery conditions.

Corkidi, L., Allen, E. B., Merhaut, D., Allen, M. F., Downer, J., Bohn, J., and Evans, M. *Journal of Environmental Horticulture* 23(2):72-76. 2005.

130. © Growth response of three native timber species to soils with different arbuscular mycorrhizal inoculum potentials in South Cameroon: Indigenous inoculum and effect of addition of grass inoculum.

Onguene, N. A. and Kuyper, T. W. *Forest Ecology and Management* 210(1-3):283-290. 2005.

131. Healthy relationships drive growth -- even in plants. Lara, J. *Digger* 49(8):136-139. 2005.

Mycorrhizal inoculants can turn around a bad soil situation.

132. Nature's planting tool. Amaranthus, M. and Hunt, J. *Greenhouse Grower* 23(8):24, 26, 28. 2005.

Researchers discuss the benefits of and uses for mycorrhizae in grower operations.

Nursery Structures & Equipment



133. Active nursery projects at the Missoula Technology and Development Center. Vachowski, B.

IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.51-55. 2005. Describes current projects such as: nursery soil moisture meter, remote data collection systems, low cost weather stations, soil compaction tester, shielder herbicide sprayer, seedling wrap, copper treatment for styroblocks, container sterilizer, seed scarifier, nursery soil sterilization, hardwood cuttings preparation equipment, seed orchard duff sweeper.

134. Avoid 3 a.m. maintenance. Siebring, G. *Greenhouse Management and Production* 25(11):36-38, 40-41. 2005. Attention to heating equipment details makes a big difference in your bottom line.

135. Check your water supply before you have a fire. Bartok, J. W., Jr. *Greenhouse Management and Production* 25(7):96-97. 2005.

136. Common sense and snowstorms. Gilpin, M. *Greenhouse Grower* 23(7):14, 16, 18. 2005. There is no substitute for common sense in preventing greenhouse collapse due to heavy snow loads.

137. Cultural plant propagation center: things to consider. Bartok, J. W. Jr. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.129-130. 2005. Things to consider when planning a facility to use for training students of horticulture.

138. Efficiencies from rolling bench propagation. Van Belle, B. International Plant Propagators' Society, combined proceedings 2004, 54:465-471. 2005.

139. Greenhouse controls made simple. Dean, P. *Greenhouse Management and Production* 25(11):30-31, 33-34. 2005. 7 tips to help you navigate the world of greenhouse controls.

140. Heating alternatives. Wright, N. *Greenhouse Grower* 23(8):38, 40, 42. 2005. With oil prices going sky-high, alternative sources are helping growers save some cash.

141. Practical aspects of wavelength selective spectral films on nursery stock production in Ireland. Heavey, C. and Maher, M. International Plant Propagators' Society, combined proceedings 2004, 54:188-191. 2005.

142. Preventive maintenance keeps your greenhouses operating. Bartok, J. W., Jr. *Greenhouse Management and Production* 25(8):78-79. 2005.

143. Provide a good foundation. Bartok, J. W., Jr. *Greenhouse Management and Production* 25(9):86-87. 2005.

144. Retractable roof greenhouses and shadehouses. Bartok, J. W., Jr. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.73-75. 2005.

145. Saving 'green' in the greenhouse. Sinopoli, J. *American Nurseryman* 201(12):18-20. 2005. Equipment ideas that may save future operational costs, such as irrigation systems, and-free potting, conveyors, and heating and cooling systems.

146. Smart energy management is good business. Part 1 of 2. Parbst, K. *Greenhouse Management and Production* 25(8):53-56, 58. 2005.

147. Tunnel vision. Sivesind, C. *Digger* 49(8):102-106, 108-109. 2005. Unique high-tunnel system lets nurseries extend growing season and protect crops by the acre -- inexpensively.

148. Use of humidifan for propagation of softwood cuttings. Mercer, T. and Fiske, J. International Plant Propagators' Society, combined proceedings 2004, 54:553-555. 2005.

149. Using shielded sprayers to control weeds in nursery beds. Stallard, D. H. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.24-25. 2005.



150. Assessing Christmas tree planting procedures. Bates, R. M., Sellmer, J. C., and Despot, D. A. International Plant Propagators' Society, combined proceedings 2004, 54:529-531. 2005.

151. © Effects of flooding regime and seedling treatment on early survival and growth of Nuttall oak. Burkett, V. R., Draugelis-Dale, R. O., Williams, H. M., and Schoenholtz, S. H. *Restoration Ecology* 13 (3):471-479. 2005.

152. © Effects of mounding on damage by the European pine weevil in planted Norway spruce seedlings. Heiskanen, J. and Viiri, H. *Northern Journal of Applied Forestry* 22(3):154-161. 2005.

153. © Effects of scarification and mulch on establishment and growth of six different clones of *Picea abies*. Johansson, K., Soderbergh, I., Nilsson, U., and Allen, H. L. *Scandinavian Journal of Forest Research* 20(5):421-430. 2005.

- 154. © Factors influencing stump sprouting by pondcypress (*Taxodium distichum* var. *nutans* (Ait.) Sweet).** Randall, C. K., Duryea, M. L., Vince, S. W., and English, R. J. *New Forests* 29(3):245-260. 2005.
- 155. Frozen-stored conifer container stock can be outplanted without thawing.** Kooistra, C. M. and Bakker, J. D. *Native Plants Journal* 6(3):267-278. 2005.
- 156. © Growth of graded sweetgum 3 years after root and shoot pruning.** McNabb, K. and Vanderschaaf, C. *New Forests* 29(3):313-320. 2005.
- 157. © Identification of salt tolerant baldcypress (*Taxodium distichum* (L.) Rich) for planting in coastal areas.** Conner, W. H. and Inabinette, L. W. *New Forests* 29(3):305-312. 2005.
- 158. © Importance of root growth in overcoming planting stress.** Grossnickle, S. C. *New Forests* 30(2-3):273-294. 2005.
- 159. © Interactive effects of substrate, hydroperiod, and nutrients on seedling growth of *Salix nigra* and *Taxodium distichum*.** Day, R. H., Doyle, T. W., and Draugelis-Dale, R. O. *Environmental and Experimental Botany* 55(1-2):163-174. 2005.
- 160. © Large-diameter seedlings: a method of reducing chemical use in some pine plantation.** South, D. B. and Rakestraw, J. L. *Journal of Sustainable Forestry* 18(4):47-58. 2004.
- 161. © Long-term effects of drainage, bedding, and fertilization on growth of loblolly pine (*Pinus taeda* L.) in the coastal plain of Virginia.** Kyle, K. H., Andrews, L. J., Fox, T. R., Aust, W. M., Burger, J. A., and Hansen, G. H. *Southern Journal of Applied Forestry* 29(4):205-214. 2005.
- 162. © Net effect of competing vegetation on selected environmental conditions and performance of four spruce seedling stock sizes after eight years in Quebec (Canada).** Jobidon, R., Roy, V., and Cyr, G. *Annals of Forest Science* 60:691-699. 2004.
- 163. © Physiological and morphological responses of dormant and growing Norway spruce container seedlings to drought after planting.** Helenius, P., Luoranen, J., and Rikala, R. *Annals of Forest Science* 62(3):201-207. 2005.
- 164. Production and early field performance of RPM seedlings in Missouri floodplains.** Dey, D. C., Lovelace, W., Kabrick, J. M., and Gold, M. A. IN: USDA Forest Service, North Central Research Station, General Technical Report NC-243, p. 59-65. Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004. 2004.
- 165. Provenance variation and response to chemical root pruning in *Pinus greggii* seedlings.** Aldrete, A., Mexal, J. G., and Lopez-Upton, J. *Agrociencia* 39:563-574. 2005.
- 166. © Quantifying root system quality of nursery seedlings and relationship to outplanting performance.** Davis, A. S. and Jacobs, D. F. *New Forests* 30(2-3):295-311. 2005.
- 167. Rapid response reforestation: studies in fire restoration.** Rose, R. and Haase, D. L. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.90-93. 2005.
- 168. © Relative contribution of initial root and shoot morphology in predicting field performance of hardwood seedlings.** Jacobs, D. F., Salifu, K. F., and Seifert, J. R. *New Forests* 30(2-3):235-251. 2005.
- 169. Restoring native California oaks on grazed rangelands.** McCreary, D. D. and Tecklin, J. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.109-112. 2005.
- 170. A review of the "pull-up" and "leave-down" methods of planting loblolly pine.** South, D. B. *Tree Planters' Notes* 51(1):53-67. 2005.
- 171. © The role of microtopography and substrate in survival and growth of Atlantic white-cedar seedlings.** Gengarelly, L. M. and Lee, T. D. *Forest Ecology and Management* 212(1-3):135-144. 2005.
- 172. © Root and shoot allometry of bareroot and container Douglas-fir seedlings.** Rose, R. and Haase, D. L. *New Forests* 30(2-3):215-233. 2005.
- 173. © Root growth and hydraulic conductivity of southern pine seedlings in response to soil temperature and water availability after planting.** Sayer, M. A. W., Brissette, J. C., and Barnett, J. P. *New Forests* 30(2-3):253-272. 2005.

174. Seedling quality standards for bottomland hardwood afforestation in the lower Mississippi River alluvial valley: preliminary results. Jacobs, D. F., Gardiner, E. S., Salifu, K. F., Overton, R. P., Hernandez, G., Corbin, M. E., Wightman, K. E., and Selig, M. F. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.9-16. 2005.

175. © Seedling response following partial cutting in lodgepole pine forests on caribou winter range in west-central British Columbia. Daintith, N. M., Waterhouse, M. J., and Armleder, H. M. *Forestry Chronicle* 81(3):409-417. 2005.

176. © Seedling survival and growth of three species of mountain cloud forest in Mexico, under different canopy treatments. Ramirez-Bamonde, E. S., Sanchez-Velasquez, L. R., and Andrade-Torres, A. *New Forests* 30(1):95-101. 2005.



177. © Stock size affects outplanting survival and early growth of fascicle cuttings of *Pinus radiata*. South, D. B., Menzies, M. I., and Holden, D. G. *New Forests* 29(3):273-288. 2005.

178. Are you familiar with the 'mighty' miticides available? Cloyd, R. *Greenhouse Management and Production* 25(7):93-95. 2005.

179. Beastly bugs and hoppers. Miller, F. *Nursery Management and Production* 21(6):48-52. 2005. Describes damage and control methods for sap feeding bugs like honeylocust plant bug and ash plant bug, lace bugs and leafhoppers.

180. Comparison of efficacy of a pathogenic fungus, a parasitic nematode, and neem seed extract in control of black vine weevil. Gaffney, M., Purvis, G., Gaffney, M., Maher, M., and Dune, R. International Plant Propagators' Society, combined proceedings 2004, 54:201-206. 2005.

181. Control of deer damage with chemical repellents in regenerating hardwood stands. MacGowan, B. J., Severeid, L., and Skemp, F., Jr. IN: USDA Forest

Service, North Central Research Station, General Technical Report NC-243, p. 127-133. Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004. 2004.

182. Control of nursery diseases and pests in Finnish forest tree nurseries. Poteri, M., Lilja, A., and Petaisto, R.-L. Finnish Forest Research Institute, Working Paper 11, p. 19-26. 2005.

183. Controlling snails and slugs. Bieri, M. *Greenhouse Management and Production* 25(12):37-41. 2005.

184. The development of fipronil for vine weevil control in the U.K. Horgan, A. International Plant Propagators' Society, combined proceedings 2004, 54:207-211. 2005.

185. Disease management on nurseries: cultural aspects and developments in chemistry. Gleeson, P. International Plant Propagators' Society, combined proceedings 2004, 54:191-194. 2005.

186. Do surfactants kill insects and mites? Cloyd, R. *Greenhouse Management and Production* 25(11):62. 2005.

187. Doing it biologically. Brownbridge, M. *American Nurseryman* 202(1):30-32, 34, 36. 2005. The best pesticide option for nursery and landscape ornamentals may come from nature's own: predators, parasites and pathogens.

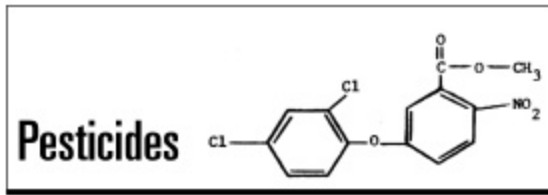
188. © Effect of heat treatment to control *Fusarium graminearum* in wheat seed. Gilbert, J., Woods, S. M., Turkington, T. K., and Tekauz, A. *Canadian Journal of Plant Pathology* 27(3):448-452. 2005.

189. Effective ways to control *Botrytis*. Hausbeck, M. *Greenhouse Management and Production* 25(12):61-63. 2005.

190. Efficacy of *Metarhizium anisopliae* as a biological control of vine weevil larvae in growing media. Prasad, M., Shah, F., and Butt, T. International Plant Propagators' Society, combined proceedings 2004, 54:163-168. 2005.

191. The ever-increasing threat from *Phytophthora* pathogens in Europe. Clancy, K. J. International Plant Propagators' Society, combined proceedings 2004, 54:195-200. 2005.

- 192. Fairly new fungicides.** Beckerman, J. American Nurseryman 201(12):28-31. 2005.
- 193. Get a handle on liverwort.** Altland, J. Nursery Management and Production 21(1):44-51. 2005.
- 194. Management options for control of a stunt and needle nematode in southern forest nurseries.** Cram, M. M. and Fraedrich, S. W. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.46-50. 2005.
- © **195. Pathogenicity of *Phytophthora* species and *Pythium undulatum* isolated from *Abies procera* Christmas trees in Ireland.** Shafizadeh, S. and Kavanagh, J. A. Forest Pathology 35(6):444-450. 2005.
- © **196. Pitch canker ratings of longleaf pine clones correlate with *Fusarium circinatum* infestation of seeds and seedling mortality in containers.** Carey, W. A., Oak, S. W., and Enebak, S. A. Forest Pathology 35(3):205-212. 2005.
- 197. Potential of plant products for the management of whiteflies in nurseries.** Sundararaj, R. and Dubey, A. K. Finnish Forest Research Institute, Working Paper 11, p. 65-68. 2005.
- 198. © Root diseases in bareroot and container nurseries of the Pacific Northwest: epidemiology, management, and effects on outplanting performance.** Dumroese, R. K. and James, R. L. New Forests 30(2-3):185-202. 2005.
- 199. © Seedling survival of *Pinus strobus* and its interspecific hybrids after artificial inoculation of *Cronartium ribicola*.** Lu, P., Sinclair, R. W., Boulton, T. J., and Blake, S. G. Forest Ecology and Management 214(1-3):344-357. 2005.
- 200. Spread of butternut canker in North America, host range, evidence of resistance within butternut populations and conservation genetics.** Ostry, M. E. and Woeste, K. IN: USDA Forest Service, North Central Research Station, General Technical Report NC-243, p. 114-120. Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004. 2004.
- 201. Stepping up greenhouse sanitation.** Hall, R. International Plant Propagators' Society, combined proceedings 2004, 54:363-364. 2005.
- 202. © Suppression of seedling damping-off caused by *Pythium ultimum*, *P. irregulare*, and *Rhizoctonia solani* in container media amended with a diverse range of Pacific Northwest compost sources.** Scheuerell, S. J., Sullivan, D. M., and Mahaffee, W. F. Phytopathology 95(3):306-315. 2005.
- 203. © Surveys for asymptomatic persistence of *Sphaeropsis sapinea* on or in stems of red pine seedlings from seven Great Lakes region nurseries.** Stanosz, G. R., Smith, D. R., and Albers, J. S. Forest Pathology 35:233-244. 2005.
- 204. A test of the validity of screening poplar clones for long-term canker disease damage by responses to inoculation with *Septoria musiva*.** Weiland, J. E., Stanosz, J. C., and Stanosz, G. R. Tree Planters' Notes 51(1):6-15. 2005.
- 205. Timing of fungicide control of *Gremmeniella abietina* on Scots pine seedlings.** Petaisto, R.-L., Aho, K., and Vartiainen, S. Finnish Forest Research Institute, Working Paper 11, p. 41-50. 2005.
- 206. Tips for spider mite control.** Craig, B. Nursery Management and Production 21(10):49-50, 52. 2005.
- © **207. Use of microwaves in the prevention of *Fusarium oxysporum* f. sp. *melonis* infection during the commercial production of melon plantlets.** Soriano-Martin, M. L., Porrás-Piedra, A., and Porrás-Soriano, A. Crop Protection 25(1):52-57. 2005.
- 208. What's bugging you?** Selden, S. and Appleton, B. Nursery Management and Production 21(10):58-60, 62-63. 2005. Nursery work exposes you to all kinds of pests. Learn the dangers and how to avoid them.
- 209. Where to find organic help.** Gilrein, D. Greenhouse Management and Production 25(9):84-85. 2005.
- SO. Fencing out wildlife: plastic mesh fences and electric fences monitored by satellite telemetry.** Kees, G. USDA Forest Service, Technology and Development Program, Missoula, 9E92E53. 18 p. 2004. ORDER FROM: USDA FS, Missoula Technology and Development Center, 5785 Hwy 10 West, Missoula, MT 59808-9361. Phone 406-329-3978. E-mail wo_mtdc_pubs@fs.fed.us. Available online at <http://www.fs.fed.us/t-d/> (username: t-d, password: t-d).



210. Managing pesticide runoff. Newman, J. *Greenhouse Management and Production* 25(10):68-69. 2005.



211. Reusable toweling for wrapping tree seedlings. Vachowski, B. USDA Forest Service, Technology and Development Program 0524-2323-MTDC. 6 p. 2005. Products made from DuPont Sontara performed best.



212. © Distinguishing between metabolically active and inactive roots by combined staining with 2,3,5-triphenyltetrazolium chloride and image colour analysis. Sturite, I., Henriksen, T. M., and Breland, T. A. *Plant and Soil* 271(1-2):75-82. 2005.

213. © Effects of the interaction between drought and shade on water relations, gas exchange and morphological traits in cork oak (*Quercus suber* L.) seedlings. Aranda, I., Castro, L., Pardos, M., Gil, L., and Pardos, J. A. *Forest Ecology and Management* 210(1-3):117-129. 2005.

214. © Foliar colour as an indicator of foliar chlorophyll and nitrogen concentration and growth in Norway spruce seedlings. Heiskanen, J. *Scandinavian Journal of Forest Research* 20(4):329-336. 2005.

215. Freezing in plants. Dimitrios, P. *American Nurseryman* 202(4):46-48, 50. 2005. Is cold acclimation important for frost resistance? Can plant growth regulators affect that resistance?

216. Frost hardiness testing: an Ontario update. Colombo, S. J. and Gellert, S. *Ontario Forest Research Institute, Forest Research Note* 62. 4 p. 2002.

217. An inexpensive rhizotron design for two-dimensional, horizontal root growth measurements. Wiese, A. H., Riemenschneider, D. E., and Zalesny, R. S., Jr. *Tree Planters' Notes* 51(1):40-46. 2005.

© **218. Interacting effects of irradiance and water stress on dry weight and biomass partitioning in *Fagus sylvatica* seedlings.** Lof, M., Bolte, A., and Welander, N. T. *Scandinavian Journal of Forest Research* 20(4):322-328. 2005.

219. © Morning, noon, or afternoon: does timing of direct radiation influence the growth of *Picea abies* seedlings in mountain forests? Brang, P., von Felten, S., and Wagner, S. *Annals of Forest Science* 62(7):697-705. 2005.

220. © Photosynthetic response of white spruce families to drought stress. Bigras, F. J. *New Forests* 29(2):135-148. 2005.

© **221. Relationships between the root system size and its hydraulic properties in white spruce seedlings.** Krasowski, M. J. and Caputa, A. *New Forests* 30(2-3):127-146. 2005.

222. © Seed germination and radicle development in six provenances of *Pinus sylvestris* L. under water stress. Tilki, F. *Israel Journal of Plant Sciences* 53(1):29-33. 2005.

223. Species-specific acclimation to strong shade modified susceptibility of conifers to photoinhibition. Robakowski, P. *Acta Physiologiae Plantarum* 27(3A):255-263. 2005.

224. Ultraviolet-B (UV-B) radiation effects on plants. Jordan, B. R. and Hofmann, R. W. *International Plant Propagators' Society, combined proceedings* 2004, 54:91-95. 2005.



225. Acorn size effects seedling size at the Penn Nursery. Karrfalt, R. P. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.65-66. 2005.

226. Determining dormancy-breaking and germination requirements from the fewest seeds. Baskin, C. C. and Baskin, J. M. IN: Ex situ plant conservation: supporting species survival in the wild, p. 162-179. Island Press. 2004.

227. Effect of seed moisture content during prechilling on the germination response of alder and birch seeds. De Atrip, N. and O'Reilly, C. Seed Science and Technology 33(2):363-373. 2005.

228. Effect of seed position and media on germination of black walnut and northern red oak: implications for nursery production and direct sowing. Davis, A. S., Wilson, B. C., and Jacobs, D. F. IN: USDA Forest Service, North Central Research Station, General Technical Report NC-243, p. 31-36. Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004. 2004.

229. Guidelines for seed storage. Walters, C. IN: Ex situ plant conservation: supporting species survival in the wild, p. 442-453. Island Press. 2004.

230. Improved whitebark pine seed scarifier. Trent, A., Kuhn, T., and Burr, K. USDA Forest Service, Technology & Development Program, 0524-2331-MTDC. 6 p. 2005.

231. © In vivo ¹³C NMR metabolite profiling: potential for understanding and assessing conifer seed quality. Terskikh, V. V., Feurtado, J. A., Borchardt, S., Giblin, M., Abrams, S. R., and Kermodé, A. R. Journal of Experimental Botany 56(418):2253-2265. 2005.

232. © NIR spectral information used to predict water content of pine seeds from multivariate calibration. Lestander, T. A. and Geladi, P. Canadian Journal of Forest Research 35(5):1139-1148. 2005.

233. Preliminary observations on the occurrence of *Ciboria batschiana* (Zopf) Buchwald in the Czech Republic. Prochazkova, Z., Sikorova, A., and Peskova, V. Finnish Forest Research Institute, Working Paper 11, p. 13-18. 2005.

234. © Seed survival in Chilean *Nothofagus* in response to desiccation and storage. Leon-Lobos, P. and Ellis, R. H. Seed Science Research 15(2):113-123. 2005.



235. © Atmospheric emissions of methyl isothiocyanate and chloropicrin following soil fumigation and surface containment treatments in bare-root forest nurseries. Wang, D., Juzwik, J., Fraedrich, S. W., Spokas, K., Zhang, Y., and Koskinen, W. C. Canadian Journal of Forest Research 35 (45):1202-1212. 2005.

236. Bark adds bite. Zablocki, J. American Nurseryman 202(1):42-43, 45-46. 2005. Using the right bark in your soilless mix can add all kinds of benefits to plant growth.

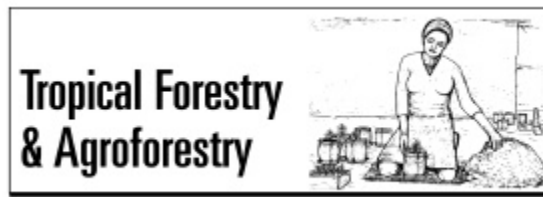
237. Chipped pine logs: a potential substrate for greenhouse and nursery crops. Wright, R. D. and Browder, J. F. Hortscience 40(5):1513-1515. 2005.

238. Clay as a pine bark substrate amendment: past, present, and future. Owen, J. S., Bilderback, T. E., and Warren, S. L. International Plant Propagators' Society, combined proceedings 2004, 54:625-627. 2005.

239. Container and field evaluation of *Gaillardia pulchella* production in compost-based media. Danielson, H. E., Wilson, S. B., Schoellhorn, R. K., and Stoffella, P. J. International Plant Propagators' Society, combined proceedings 2004, 54:637-642. 2005.

240. Container crop responses to two spent-mushroom-compost media treated with acid-reaction chemicals. Chong, C. and Rinker, D. L. International Plant Propagators' Society, combined proceedings 2004, 54:538-540. 2005.

- 241. Examine your growing media.** Zondag, R. H. *American Nurseryman* 202(11):21-22, 24. 2005. There are tools a grower can use to determine if the media being used is helping -- not hindering -- plant growth.
- 242. Experiences with wastes and composts in nursery substrates.** Chong, C. *HortTechnology* 15(4):739-747. 2005.
- 243. © Ground-based forest harvesting effects on soil physical properties and Douglas-fir growth.** Ares, A., Terry, T. A., Miller, R. E., Anderson, H. W., and Flaming, B. L. *Soil Science Society of America Journal* 69(6):1822-1832. 2005.
- 244. Healthy substrates need physicals too!** Bilderback, T. E., Warren, S. L., Owen, J. S., Jr., and Albano, J. P. *HortTechnology* 15(4):747-751. 2005.
- 245. Improve fields with amendments and cover crops.** Linderman, R. G. *Nursery Management and Production* 21(10):54-57. 2005. Fallow practices optimize fertility and increase disease resistance.
- 246. © In-situ application of stable isotope tracers in the rhizosphere of an oak seedling.** Gottlein, A., Heim, A., Kuhn, A. J., and Schroder, W. H. *European Journal of Forest Research* 124(2):83-86. 2005.
- 247. Media properties.** Handreck, K. *International Plant Propagators' Society, combined proceedings 2004*, 54:75-77. 2005.
- 248. Onsite soil testing of growing media pH and EC.** Fisher, P. R., Douglas, A. C., and Argo, W. R. *Greenhouse Management and Production* 25(8):60-62, 64, 66. 2005. Managing the growing media pH and electrical conductivity can help you keep your fertilizer program on track and avoid most nutritional problems.
- 249. Organics offer more options.** Wainwright-Evans, S. *Nursery Management and Production* 21(9):56-58. 2005. Take a look at natural media, biostimulants, and beneficial microbes.
- 250. Potting media constituents.** Gordon, I. *International Plant Propagators' Society, combined proceedings 2004*, 54:78-84. 2005.
- 251. © Reducing water erosion in a gypsic soil by combined use of organic amendment and shrub revegetation.** Marques, M. J., Jimenez, L., Perez-Rodriguez, R., Garcia-Ormaechea, S., and Bienes, R. *Land Degradation and Development* 16:339-350. 2005.
- 252. Serious soil.** Rodda, K. *Nursery Management and Production* 21(7):55-56, 58, 60, 62-64. 2005. Organic soil amendments provide many important production traits, but don't apply them blindly.
- 253. Soil oxygenators can enhance root health.** Powell, C. C. *Nursery Management and Production* 21(9):81-82, 84. 2005.
- 254. © Soil salinity using saturated paste and 1:1 soil to water extracts.** Zhang, H., Schroder, J. L., Pittman, J. J., Wang, J. J., and Payton, M. E. *Soil Science Society of America Journal* 69(4):1146-1151. 2005.
- 255. Testing method provides steady results.** Fisher, P. R., Douglas, A. C., and Argo, W. R. *Greenhouse Management and Production* 25(9):66-68, 70, 72. 2005. To test your growing media, try the saturated medium extract (SME) method for consistent results.
- 256. Three waste-derived composts compared in container substrates.** Chong, C. *International Plant Propagators' Society, combined proceedings 2004*, 54:541-544. 2005.
- 257. Use the 1:2 testing method for media-pH and EC.** Fisher, P. R., Douglas, A. C., and Argo, W. R. *Greenhouse Management and Production* 25(11):46-50. 2005. This popular soil testing method is rapid, reliable and has well-established guidelines.
- 258. Using composted green waste materials in growing media.** Maher, M. J. *International Plant Propagators' Society, combined proceedings 2004*, 54:169-173. 2005.
- 259. Waste is a terrible thing to mind.** Sibley, J. L., Cole, D. M., and Lu, W. *International Plant Propagators' Society, combined proceedings 2004*, 54:596-603. 2005.



- 260. Disease problems in root trainer forest nurseries in Kerala State and their management.** Monahan, C., Ratheesh, N., Nair, L. P., and Rajesh Kumar, K. C. *Finnish Forest Research Institute, Working Paper 11*, p. 7-12. 2005.

- 261. © Effects of controlled irrigation on water potential, nitrogen uptake and biomass production in *Dalbergia sissoo* seedlings.** Singh, B. and Singh, G. *Environmental and Experimental Botany* 55(1-2):209-219. 2005.
- 262. © Effects of NaCl on seedling growth, biomass production and water status of *Acacia nilotica* and *A. tortilis*.** Mehari, A., Ericsson, T., and Weih, M. *Journal of Arid Environments* 62(2):343-349. 2005.
- 263. © Floristic regeneration in five types of teak plantations in Thailand.** Kaewkrom, P., Gajaseni, J., Jordan, C. F., and Gajaseni, N. *Forest Ecology and Management* 210(1-3):351-361. 2005.
- 264. Improvement of seedling production system in forestry sector and its impact on seedling health.** Mohanan, C. and Sharma, J. K. *Finnish Forest Research Institute, Working Paper 11*, p. 77-82. 2005.
- 265. Pests and diseases of sandalwood plants in nurseries and their management.** Remadevi, O. K., Nagaveni, H. C., and Muthukrishnan, R. *Finnish Forest Research Institute, Working Paper 11*, p. 69-75. 2005.
- 266. Propagation protocol for koa, *Acacia koa* Gray.** Wilkinson, K. M. and Elevitch, C. R. *Native Plants Journal* 6(3):228-232. 2005 .
- 267. Psychids as major pests of nursery plants of *Rhizophora mucronata*, an important mangrove species along the West Coast.** Remadevi, O. K. and Raji, B. *Finnish Forest Research Institute, Working Paper 11*, p. 37-40. 2005.
- 268. © Secondary forests as temporary carbon sinks? The economic impact of accounting methods on reforestation projects in the tropics.** Olschewski, R. and Benitez, P. C. *Ecological Economics* 55(3):380-394. 2005.
- 270. A brief discussion of rooted cutting propagation at Mitsch nursery with focus on conifers.** Jones, S. D. *International Plant Propagators' Society, combined proceedings 2004*, 54:434-438. 2005.
- 271. Comparison of mist, fog, and electrostatic fog for vegetative propagation of difficult-to-root plants.** Evans, R. Y., Hackett, W. P., and Larrain, F. *International Plant Propagators' Society, combined proceedings 2004*, 54:343-346. 2005.
- 272. Development of a rooted cutting propagation method for *Prunus serotina*.** Pijut, P. M. and Espinosa, C. *International Plant Propagators' Society, combined proceedings 2004*, 54:513-515. 2005.
- 273. Micropropagation and biotechnology in forestry: preliminary results from the Danish Christmas tree improvement programme.** Kristensen, M. M. H., Find, J. I., and Krogstrup, P. *International Plant Propagators' Society, combined proceedings 2004*, 54:315-320. 2005.
- 274. Plant-water relationships for woody ornamental crops.** Johnson, E. *International Plant Propagators' Society, combined proceedings 2004*, 54:566-572. 2005.
- 275. Propagation of endangered species *Pinus armandii* var. *amamiana* by tissue culture.** Ishii, K., Hosoi, Y., Maruyama, E., and Kanetani, S. *International Plant Propagators' Society, combined proceedings 2004*, 54:270-272. 2005.
- 276. Propagation of live oaks.** Hudson, C. *International Plant Propagators' Society, combined proceedings 2004*, 54:608-609. 2005.
- 277. Use of root promoting substances and procedures: why and how?** Andersen, A. S. *International Plant Propagators' Society, combined proceedings 2004*, 54:328-331. 2005.
- 278. Vegetative propagation of butternut (*Juglans cinerea*): field results.** Pijut, P. M. IN: *USDA Forest Service, North Central Research Station, General Technical Report NC-243*, p. 37-44. *Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004*. 2004.
- 279. Walnut tissue culture: research and field applications.** Lopez, J. M. IN: *USDA Forest Service, North Central Research Station, General Technical Report NC-243*, p. 146-151. *Black walnut in a new century, proceedings of the 6th Walnut Council research symposium, 2004*. 2004.



- 269. Wet heat as a mechanism for dormancy release and germination of seeds with physical dormancy.** van Klinken, R. D. and Flack, L. *Weed Science* 53(5):663-669. 2005.

Water Management



280. 10 common drip mistakes. Bisconer, I. *Nursery Management and Production* 21(6):65-66, 68, 70, 72. 2005. Correct these microirrigation errors to increase profitability.

281. © Apatite as an interesting seed to remove phosphorus from wastewater in constructed wetlands. Molle, P., Lienard, A., Grasmick, A., Iwema, A., and Kabbabi, A. *Water Science and Technology* 51(9):193-203. 2005.

282. Determination of soil hydraulic conductivity in nurseries and plantations. Papadopol, C. S. *Tree Planters' Notes* 51(1):22-26. 2005. Using the Guelph Permeameter to determine soil hydraulic conductivity.

283. © Effects of afforestation on water yield: a global synthesis with implications for policy. Farley, K. A., Jobbagy, E. G., and Jackson, R. B. *Global Change Biology* 11(10):1565-1576. 2005.

284. Effects of slope and underlay on surface runoff of irrigation from woven polypropylene groundcloth. Million, J., Yeager, T., Bryant, H., Larsen, C., Shook, J., and Albano, J. *HortTechnology* 15(4):772-776. 2005.

285. Every drop, and drip, counts. Regan, R. *Digger* 49(8):28, 30, 32, 35, 36. 2005. Container-grown nursery crops require more water, so managing irrigation is vital.

286. Every drop counts. Regan, R. *Digger* 49(7):34-39. 2005. Managing irrigation of field-grown nursery crops takes measurements, trials.

287. Finding the 'perfect' water. Roseman, J. *Greenhouse Management and Production* 25(12):48-50. 2005. Quality water can make a difference in production, maintenance, and disease control.

288. Irrigation runoff from nurseries: addressing the conditional agriculture waiver in California. Oki, L. R. *International Plant Propagators' Society, combined proceedings* 2004, 54:350-354. 2005.

289. Irrigation systems for soilless media. Dolev, E. *International Plant Propagators' Society, combined proceedings* 2004, 54:119-121. 2005.

290. Minimizing nutrient and pesticide exodus: a collaborative nursery and floriculture initiative research project. Whitwell, T. *International Plant Propagators' Society, combined proceedings* 2004, 54:610-613. 2005.

291. Removing nutrients and pesticides from runoff water using natural systems. Taylor, M. D., White, S. A., Klaine, S. J., Polomski, R. F., and Whitwell, T. *International Plant Propagators' Society, combined proceedings* 2004, 54:614-618. 2005.

© 292. Spatial variability of substrate water content and growth of white spruce seedlings. Lamhamedi, M. S.; Labbe, L.; Margolis, H.A.; Stowe, D.C.; Blais, L.; Renaud, M. *Soil Science Society of America Journal* 70(1):108-120. 2006.

293. Water: a South African perspective. du Toit, E. S. and du Toit, D. R. *International Plant Propagators' Society, combined proceedings* 2004, 54:104-109. 2005.

294. Water in Australia: a nursery industry perspective. Chin, R. *International Plant Propagators' Society, combined proceedings* 2004, 54:111-118. 2005.

295. © A comparison of herbicide and mulch mat treatments for reducing grass, herb, and shrub competition in the BC interior Douglas-fir zone -- ten-year results. Harper, G. J., Comeau, P. G., and Biring, B. S. *Western Journal of Applied Forestry* 20(3):167-176. 2005.



296. Effect of weeds on the survival and growth of Scots pine seedlings. Kryshen, A. M. *Tree Planters' Notes* 51(1):32-39. 2005.

297. © Eighth-year response of Douglas-fir seedlings to area of weed control and herbaceous versus woody weed control. Rose, R. and Rosner, L. *Annals of Forest Science* 62(6):481-492. 2005.

298. Greenhouse weed control. Mathers, H. *American Nurseryman* 202(7):24-26, 28-29. 2005.

299. HIDES: a computer-based herbicide injury diagnostic expert system. Zhou, J., Messersmith, C. G., and Harrington, J. D. *Weed Technology* 19(2):486-491. 2005.

300. Liverwort control in nursery production.

Newby, A., Gilliam, C., and Altland, J. International Plant Propagators' Society, combined proceedings 2004, 54:643-646. 2005.

301. Make your postemergence herbicides effective.

Altland, J. Nursery Management and Production 21 (6):54-58, 60, 62. 2005. Prevention and integrated approaches will help your weed programs.

302. Postemergence oxalis control with diuron: minimizing crop injury with timely irrigation.

Richardson, B. M., Gilliam, C. H., and Wehtje, G. R. International Plant Propagators' Society, combined proceedings 2004, 54:647-650. 2005.

303. Weed control in bareroot hardwood nurseries.

South, D. B. and Carey, W. A. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.34-38. 2005.

304. Weed control practices in seedbeds of deciduous trees and shrubs in the Indiana Department of Natural Resources nursery program.

Wichman, J. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.41-42. 2005.

305. Weed management

Stringfield, D. IN: National proceedings, Forest and Conservation Nursery Associations, 2004. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-35, p.39-40. 2005.

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