

New Nursery Literature

Please obtain these articles from your local forestry library or literature service if at all possible. Numbered or lettered articles can also be ordered directly through this service, using the Literature Order Form on the last page-Just circle the appropriate number or letter and return the form to me. These free copies are a technology transfer service of USDA Forest Service, State and Private Forestry.

Items bordered with asterisks (* 1 *) are copyrighted and require a fee for each copy, so you will only be sent the title page and abstract. If you desire the entire article, follow the ordering instructions that follow the abstract. Special Order (SO) articles or publications must be ordered directly from the publisher. Prices and ordering instructions follow each listing.

Bareroot Production

1. **Effects of seeder design and seed placement on seedling size and cull rates at western forest nurseries.** Sloan, J. P. USDA Forest Service, Intermountain Research Station, Research Paper INT-458. 24 p. 1992. Comparison of the Summit Precision Seeder and the Oyjord Seeder.
2. **Hardwood culture.** Campbell, S. J., Jr. Southern Forest Nursery Association Conference Proceedings 1992:91-95. 1992. Reviews practices of Scott Paper Company nursery.
- *3* **Influence of polypropylene gauze covering on soil temperature in nurseries.** Heiskanen, J.; Raitio, H. Forest Ecology and Management 53(1-4):319-328. 1992.
6. **Coming clean.** Petree, J. American Nurseryman 176(11):50-55. 1992. A Bellingham, WA, company implements an employee drug- testing program to combat alcohol and drug abuse in the workplace.
7. **Containment tanks help prepare your operation for future legislation.** Bartok, J. W., Jr. Greenhouse Manager 11(8):89. 1992. Containment methods for above ground storage tanks of gasoline, diesel, other petroleum or toxic products.
8. **Create an inventory system you can count on.** Hall, C. Greenhouse Manager 11(6):85, 87. 1992.
9. **Nursery/neighborhood interactions.** Scholtes, J. R. Southern Forest Nursery Association Conference Proceedings 1992:54-59. 1992.

Business Management

4. **The Americans with Disabilities Act: what you should know.** Mosher, P. Grower 25(10):24-25, 28-29, 32. 1992.
5. **Clinical ecologists may help change imagined conditions to real traumas.** Lindquist, R. Greenhouse Manager 11(7):103-104. 1992. Discusses allergies to plants, pesticides and insects, as well as perceived allergies and delusional parasitosis that sometimes occur.

Container Production

10. **Containerized seedling production and field planting.** Larson, D. R.; Foster, J. W., Jr. Southern Forest Nursery Association Conference Proceedings 1992:18-20. 1992. Reviews work of Gulf States Paper Corp.
11. **Long-nights and moisture stress affect Douglas-fir seedling growth, cold hardiness, dormancy and root growth potential.** Simpson, D. G. British Columbia Ministry of Forests, and Forestry Canada, FRDA Report 151. 10 p. 1990.

Fertilization and Nutrition

12. **Comparison between a commercial fertilizer prescription and soluble and granular forms of 2:3:2 and 3:2:1 with and without trace elements as applied to *E. grandis* seedlings.** Donald, D. G. M.; Jacobs, C.; Milani, M. Y. South African Forestry Journal 161:27-29. 1992.
13. **Controlled release fertilizer effects on growth and foliar nutrient concentration of container grown Jeffrey pine and singleleaf pinyon.** Walker, R. F.; Hunt, C. D. Western Journal of Applied Forestry 7(4):113-117. 1992.
14. **Effect of leachate fraction on nitrate loading to the soil profile underlying a greenhouse crop.** McAvoy, R. J.; Brand, M. H.; Corbett, E. G.; Bartok, J. W., Jr.; Botacchi, A. Journal of Environmental Horticulture 10(3):167-171. 1992.
- * 15 * **Effect of nitrogen and phosphorus availability on the growth response of *Eucalyptus grandis* to high CO₂.** Conroy, J. P.; Milham, P. J.; Barlow, E. W. R. Plant Cell and Environment 15(7):843-847. 1992.
16. **Effect of nursery fertilization on incidence of summer shoots and field performance of Scots pine seedlings.** Rikala, R. Finnish Forest Research Institute, Folia Forestalia 794. 19 p. 1992. In Finnish with English summary.
17. **Effects of exogenously supplied ammonium on root development of Scots Pine (*Pinus sylvestris* L.) seedlings.** Vollbrecht, P.; Kasemir, H. I. Botanica Acta 105(4):306-312. 1992.
- * 18 * **Growth and phenology of seedlings of four contrasting slash pine families in ten nitrogen regimes.** Dewald, L.; White, T. L.; Duryea, M. L. Tree Physiology 11(3):255-269. 1992.

- *19* **The influence of phosphorus concentration and frequency of fertilization on ectomycorrhizal development in containerized black spruce and jack pine seedlings.** Browning, M. H. R.; Whitney, R. D. Canadian Journal of Forest Research 22(9):1263-1270. 1992.
20. **Influence of supplemental inorganic nutrients on growth, survivorship, and mycorrhizal relationships of *Schizachyrium scoparium* (Poaceae) grown in fumigated and unfumigated soil.** Anderson, R. C.; Liberta, A. E. American Journal of Botany 79(4):406-414. 1991.
21. **Leachate nutrient content and growth of two hollies as influenced by controlled release fertilizers.** Ruter, J. M. Journal of Environmental Horticulture 10(3):162-166. 1992.
22. **Select your injector.** Greenhouse Grower 10(13):52,55,56,58. 1992.
23. **Solubility promotes growth.** Reddy, S.; King, P. Greenhouse Grower 10(12):27-28, 30. 1992.

General and Miscellaneous

24. **Artificial regeneration of native oaks in California.** McCreary, D. D. Society of American Foresters, proceedings 1991:603604. 1992.
25. **National perspective on tree planting programs in the United States.** Mangold, R. D. Southern Forest Nursery Association Conference Proceedings 1992:60-66. 1992.
26. **Urban forestry programs and tree demands.** Dolliver, S. Southern Forest Nursery Association Conference Proceedings 1992:13-17. 1992.

SO **Southern Forest Nursery Association Conference Proceedings, 1992.** 135 p. Most papers are listed individually in this list.
ORDER FROM. Georgia Forestry Commission, P.O. Box 819, Macon, GA 31298-4599. Free.

Genetics and Tree Improvement

- *27* **Genetic diversity -- seeing the forest through the trees.** Conkle, M. T. *New Forests* 6:5-22. 1992. Processing biochemical markers from individual trees provides ; means to resolve and measure genetic diversity.
28. **Impacts of tree improvement on nursery management: the next decade.** White, T. Southern Forest Nursery Association Conference Proceedings 1992:22-29. 1992.
- *29* **Screening eucalypts for frost tolerance in breeding programs.** Raymond, C. A.; Owen, J. V.; Eldridge, K. G.; Harwood, C. E. *Canadian Journal of Forest Research* 22(9):1271-1277. 1992.

Mycorrhizae

30. **Beneficial fungus increases yields, profits in commercial production.** Baker, R. *Greenhouse Manager* 11(7):105. 1992.
- *31 * **Relationship between biomass of the mycorrhizal fungus *Pisolithus tinctorius* and phosphorus uptake in loblolly pine seedlings.** Rousseau, J. V. D.; Reid, C. P. P.; English, R. J. *Soil Biology and Biochemistry* 24(2):183-184. 1992.
32. **Synthesis of ectomycorrhizae on northern red oak seedlings in a Michigan nursery.** Dixon, R. K.; Johnson, P. S. *Journal of Arboriculture* 18(5):266-272. 1992.

33 **Vesicular-arbuscular mycorrhizal fungi induced alteration in poplar root system morphology.** Hooker, J. E.; Munro, M.; Atkinson, D. *Plant and Soil* 145(2):207-214. 1992.

SO **Ecophysiology of ectomycorrhizae of forest trees.** Soderstrom, B.; Read, D. J.; Marx, D. H. Marcus Wallenberg Foundation, Symposia Proceedings 7. 90 p. 1992. Lectures given September 26, 1991, at the presentation of the Marcus Wallenberg Prize to Donald H. Marx. Lecture titles are: The fungal partner in the mycorrhizal symbiosis; The role of the mycorrhizal symbiosis in the nutrition of plant communities; The practical significance of ectomycorrhizae in forest establishment.
ORDER FROM: Marcus Wallenberg Foundation, 5-791 80 Falun, Sweden. Free.

Nursery Structures and Equipment

34. **Are there ways for your operation to save on production equipment?** Bartok, J. W., Jr. *Greenhouse Manager* 11(7):107. 1992.
35. **Energy awareness month: a chance to test your greenhouse equipment.** Bartok, J. W., Jr., *Greenhouse Manager* 11(6):117. 1992.
36. **Heat retention, energy costs depend on greenhouse covering materials.** Freeman, R. N. *Greenhouse Manager* 11(7):99-100. 1992.
37. **Measuring plant and soil waterpotentials with thermocouple psychrometers: some concerns.** Brown, R. W.; Oosterhuis, D. M. *Agronomy Journal* 84(1):78-86. 1992.

Outplanting Performance

- *38* **Evaluation of a sequential counting plan for point-density estimation within black spruce balsam fir seedling populations.** Newton, P. F.; LeMay, V. M. *Forest Ecology and Management* 53(1- 4):195-212. 1992.
- *39* **Outplanting survival of *Cyindrocladium* root rot affected black spruce seedlings.** Saunders, J. E.; Juzwik, J.; Hutchison, R. *Canadian Journal of Forest Research* 22(8):1204-1207. 1992.

Pest Management

40. **Alternative treatments to methyl bromide.** Chapman, W. Southern Forest Nursery Association Conference Proceedings 1992:96-104. 1992. Discusses experiences at MacMillan Bloedel nursery.
41. **Disease control and the environment.** Brown, E. A. Southern Forest Nursery Association Conference Proceedings 1992:111-112. 1992.
- *42* **The effects of fir coneworm, *Dioryctria abietivorella* (Grote) (Lepidoptera: Pyralidae), on seed production in small, isolated populations of red pine, *Pinus resinosa* Ait.** Mossler, A.; Roberts, B. A.; Tricco, P. *Forest Ecology and Management* 53(1-4):15-27. 1992.
43. **Fungal pathogens in *Pinus* and *Eucalyptus* seedling nurseries in South Africa: a review.** Viljoen, A.; Wingfield, M. J.; Crous, P. W. *South African Forestry Journal* 161:45-51. 1992.
44. **Integrated pest management of greenhouse crops in northern Europe.** Sunderland, K. D.; Chambers, R. J.; Helyer, N. L.; Sopp, P. I. *Horticultural Reviews* 13:1-66. 1992. Covers spider mites, whiteflies, thrips, aphids, leafminers, leafhoppers, tarsonemid mites, darkwinged fungus gnats, vine weevils and caterpillars.
45. **Management of pathogens in seed orchards and nurseries.** Sutherland, J. R. *Forestry Chronicle* 67(5):481-485. 1991.
- *46* **Management of the antagonistic potential in agricultural ecosystems for the biological control of plant parasitic nematodes.** Sikora, R. A. *Annual Review of Phytopathology* 30:245- 270. 1992.
47. **A new post-emergence damping off disease of *Eucalyptus* seedlings.** Harsh, N. S. K.; Dadwal, V. S.; Jamaluddin. *Indian Forester* 118(4):279-283. 1992.
48. **Practical IPM.** Stuebaker, D. W. *American Nurseryman* 176(7):41-55. 1992. An Ohio grower explains the mechanics of an effective and economical IPM system.
49. **Response of *Fusarium solani* f. sp. *lisi* and *Pythium ultimum* to glyphosate.** Kawate, M. K.; Kawate, S. C.; Ogg, A. G.; Kraft, J. M. *Weed Science* 40(3):497-502. 1992.
50. **Susceptibility of maples to root-knot nematodes.** Santamour, F. S., Jr. *Journal of Arboriculture* 18(5):262-265. 1992.
51. **Use of a soilless growing medium does not guarantee pest-free plants.** Lawson, R. H.; Dienelt, M. M. *Greenhouse Manager* 11(6):115-116. 1992.

- SO **Methods of applying herbicides.** McWhorter, C. G.; Gebhardt, M. R. Weed Science Society of America, Monograph 4. 358 p. 1987.
ORDER FROM: Weed Science Society of America, 309 West Clark St., Champaign, IL 61820. Price: \$35.00. Prepayment required.

Pesticides

52. **EPA releases re-entry rule: intervals depend on toxicity of chemicals.** Greenhouse Manager 11(6):100-102. 1992.
53. **Health effects enter the Benlate fray.** Klassen, P. Greenhouse Grower 10(14):56-58. 1992. The Benlate controversy continues with new claims of worker health problems and residual breakdown compounds.
54. **Pesticide issues fir 1992.** Taylor, J. W., Jr. Southern Forest Nursery Association Conference Proceedings 1992:104-110. 1992.
55. **The USDA-ARS pesticide properties database: a consensus data set for modelers.** Herner, A. E. Weed Technology 6(3):749-752. 1992. Contains information on physical properties of various pesticides, including data on soil breakdown which relates to the potential for contamination of ground water.
- SO **Currently registered pesticides for use in tree nurseries in the Pacific Northwest.** Hildebrand, D. M.; Smith, G. K. USDA Forest Service, Pacific Northwest Region. 69 p. 1992.
ORDER FROM: USDA Forest Service, Forest Pest Management, 333 SW First Avenue, Portland, OR 97208. Free.

Seedling Harvest and Storage

- *56* **A note on root development, bud activity, and survival of Douglas-fir, and survival of western hemlock and noble fir seedlings, following exposure to ethylene during cold storage.** Blake, J. I.; Linderman, R. G. Canadian Journal of Forest Research 22(8):1195-1200. 1992.
57. **Some methods of cold storage can seriously affect root growth potential and root moisture content and subsequent forest performance of Sitka spruce and Douglas fir transplants.** Sharpe, A. L.; Mason, W. L. Forestry 65(4):463-472. 1992.

Seedling Physiology and Morphology

- *58* **Analysis of freezing in buds of Douglas fir seedlings by simultaneous detection of ultrasonic emissions and differential thermal analysis.** Stushnoff, C.; Tinus, R. W.; Esensee, V. D. Canadian Journal of Forest Research 22(9):1305-1309. 1992.
59. **Controlling loblolly pine seedling growth through carbon metabolism regulation rather than mechanical procedures.** Kormanik, P. P.; Sung, S. S.; Kormanik, T. L. Southern Forest Nursery Association Conference Proceedings 1992:6-11. 1992.
60. **Distinction between white spruce and black spruce during the early stages of seedling growth.** Templeton, C. Ontario Ministry of Natural Resources, Nursery Note 125. 3 p. 1992.
- *61* **Electrical impedance of white spruce shoots in relation to pressure-volume analysis and free sugar content.** Colombo, S. J.; Blumwald, E. Plant Cell and Environment 15(7):837-842. 1992.

- *62* ***Electrolyte leakage from fine roots of conifer seedlings: a rapid index of plant vitality following cold storage.*** McKay, H. M. Canadian Journal of Forest Research 22(9):1371-1377. 1992.
63. ***Flattened root form in red pine transplants: an example of fasciation?*** Mohammed, G.; Reese, K.; Greifenhagen, S. Ontario Ministry of Natural Resources, Nursery Note 124. 5 p. 1992.
64. ***Formation and spread of ice in plant tissues.*** Ashworth, E. N. Horticultural Reviews 13:215-255. 1992.
65. ***Hardwood seedling root morphology and nursery practices.*** Schultz, R. C.; Thompson, J. R. Southern Forest Nursery Association Conference Proceedings 1992:31-53. 1992.
- *66* ***Leaf water status and root system water flux of shortleaf pine (Pinus echinata Mill.) seedlings in relation to new root growth after transplanting.*** Brissette, J. C.; Chambers, J. L. Tree Physiology 11(3):289-303. 1992.
67. ***Moisture stress and root volume influence transplant shock in 2+0 Douglas fir seedlings.*** Haase, D. L.; Rose, R. Society of American Foresters, proceedings 1991:532-533. 1992.
- *68* ***NMR imaging of roots: effects after root freezing of containerized conifer seedlings.*** Southon, T. E.; Mattsson, A.; Jones, R. A. Physiologia Plantarum 86(2):329-334. 1992.
- *69* ***Relationship between freezing tolerance and shoot water relations of western red cedar.*** Grossnickle, S. C. Tree Physiology 11(3):229-240. 1992.
- *70* ***Seasonal differences in freezing stress resistance of needles of Pinus nigra and Pinus resinosa: evaluation of the electrolyte leakage method.*** Sutinen, M. L.; Palta, J. P.; Reich, P. B. Tree Physiology 11(3):241-254. 1992.
- *71* ***Transplanted red oak seedlings mediate transplant shock by reducing leaf surface area and altering carbon allocation.*** Struve, D. K.; Joly, R. J. Canadian Journal of Forest Research 22(10):1441-1448. 1992.
- *72* ***Whole plant CO₂ exchange of seedlings of two Pinus sylvestris L. provenances grown under simulated photoperiodic conditions of 50 degrees and 60 degrees.*** N. Oleksyn, J.; Tjoelker, M. G.; Reich, P. B. Trees: Structure and Function 6(4):225-231. 1992.

Seeds

73. ***Chemical enhancement of germination in curly mesquite seed.*** Ralowicz, A.; Mancino, C.; Kopec, D. Journal of Range Management 45(5):507-508. 1992.
74. ***Effect of cold stratification on the germination and growth of jack pine and black spruce.*** Buse, L. J. Ontario Ministry of Natural Resources, Northwestern Ontario Forest Technology Development Unit, NWOFTDU Technical Report 67. 35 p. 1992.
75. ***Effect of kinetin on spruce seed germination.*** Singly V. Indian Forester 118(4):296-299. 1992.

76. **Effects of temperature and temperature preconditioning on seedling performance of whitebark pine.** Jacobs, J.; Weaver, T. IN: USDA Forest Service, Intermountain Research Station, General Technical Report INT-270, p. 134-139. Schmidt, W.C. and McDonald, K.J., compilers. Proceedings-symposium on whitebark pine ecosystems: ecology and management of a high-mountain resource. 1990.
- *77* **Germination of two warm-temperate oaks, *Quercus emoryi* and *Quercus arizonica*.** Nyandiga, C. O.; McPherson, G. R. Canadian Journal of Forest Research 22(9):1395-1401. 1992.
78. **Hardwood seed.** Bonner, F. T. Southern Forest Nursery Association Conference Proceedings 1992:67-90. 1992.
- *79* **Light and temperature action in germination of seeds of the empress tree (*Paulownia tomentosa*).** Grubisic, D.; Konjevic, R. Physiologia Plantarum 86(3):479-483. 1992.
80. **Physical and chemical treatments to improve germination of whitebark pine seeds.** Pitel, J. A.; Wang, B. S. P. IN: USDA Forest Service, Intermountain Research Station, General Technical Report INT-270, p. 130-133. Schmidt, W.C. and McDonald, K.J., compilers. Proceedings---symposium on whitebark pine ecosystems: ecology and management of a high-mountain resource. 1990.
81. **Preplant physiological seed conditioning.** Khan, A. A. Horticultural Reviews 13:131-181. 1992. Discusses seed hydration, presoaking, humidification, osmotic conditioning, pregermination, hardening, and humidification.
82. **Pre-treatment of teak seed to enhance germination.** Yadav, J. P. Indian Forester 118(4):260-264. 1992.
83. **Seed yield and quality from early cone collections in Newfoundland populations of black spruce and white spruce.** Mosseler, A.; Tricco, P. Forestry Canada, Newfoundland and Labrador Region, Information Report N-X-281. 23 p. 1991.
84. **Separating germinable and nongerminable seeds of eastern white pine (*Pinus strobus* L.) and white spruce (*Picea glauca* [Moench] Voss) by the IDS technique.** Downie, B.; Bergsten, U. Forestry Chronicle 67(4):393-396. 1991.
- *85* **Upgrading germinability and vigor of jack pine, lodgepole pine, and white spruce by the IDS technique.** Downie, B.; Wang, B. S. P. Canadian Journal of Forest Research 22(8):1124-1131. 1992.
- SO **Seed manual for forest trees.** Gordon, A. G. Great Britain Forestry Commission, Bulletin 83. 132 p. 1992. Covers all phases of seed usage of commercial forestry species from source selection, through collection, processing, storage, to seed sowing. ORDER FROM: HMSO Publications Centre, PO Box 276, London SW8 SDT U.K. Price: 1,10.95.

Soil Management and Growing Media

86. **Inhibition of water by rockwool meat container media amended with hydrophilic gel or wetting agent.** Elliott, G. C. Journal of the American Society for Horticultural Science 11(5):757-761. 1992.
87. **Mulch mania.** Gouin, F. R. American Nurseryman 176(7):97-99. 1992. Using mulch made from demolition wood and wood waste can harm plants by taking soil nitrogen and by introducing pathogens.

88. **Sewage sludge and refuse composts as peat alternatives for conditioning impoverished soils: effects on the growth response and mineral status of *Petunia grandiflora*.** Smith, S. R. *Journal of Horticultural Science* 67(5):703-716. 1992.

89. **These simple tests help determine whether you use the right medium.** Barrett, J. *Greenhouse Manager* 11(8):84. 1992.

Tropical Forestry and Agroforestry

90. ***Acacia tortilis* seed treatment.** Shivkumar, P.; Bajpai, B. N. *Nitrogen Fixing Tree Research Reports* 10:110. 1992.

92. ***Chlorophyll stability index method for determining drought hardiness of *Acacia species*.*** Sivasubramaniam, K. *Nitrogen Fixing Tree Research Reports* 10:111- 112. 1992.

91. ***Competition among native and introduced strains of *Rhizobium loti* for modulation of *Leucaena esculenta*.*** Velazquez, M.; Valdez, V.; Robles, C.; Garcia-Castaneda, M. T. *Leucaena Research Reports* 12:66-69. 1991.

92. ***The effects of seed pretreatment on the germination of 17 *Leucaena* taxa.*** Hawkins, T. H.; Ochoa, O. *Leucaena Research Reports* 12:19-22. 1991.

93. ***Effects of seed size on seedling vigour in idigbo (*Terminalia ivorensis*).*** Oni, O.; Bada, S. O. *Journal of Tropical Forest Science* 4(3):215-224. 1992.

94. ***Establishment of *Leucaena leucocephala* and *Gliricidia sepium* from step: cuttings.*** Litzow, D. R.; Shelton, H. M. *Leucaena Research Reports* 12:3-6. 1991.

95 ***Field nursery inoculation of *Hevea brasiliensis* Muell. Arg. seedling rootstock with vesicular-arbuscular mycorrhizal (VAM) fungi.*** Ikram, A.; Mahmud, A. W.; Ghani, M. N.; Ibrahim, M. T.; Zainal, A. B. *Plant and Soil* 145(2):231-236. 1992.

96. ***Flemingia congesta* seed scarification methods.** Ortiz, R. A.; Fernandez, O. *Nitrogen Fixing Tree Research Reports* 10:167- 168. 1992.

97. ***Fusarium wilt of *Dalbergia sissoo* Roxb. seedlings.*** Harsh, N. S. K.; Tiwari, C. K.; Nath, V. *Indian Journal of Forestry* 15(1): 64-67. 1992.

98. ***Growth responses of *Leucaena* to vesicular-arbuscular mycorrhizal inoculation.*** Newton, de L. C.; Paulino, V. T.; Veasey, E. A.; Leonidas, F. das C. *Leucaena Research Reports* 12:12-13. 1991.

99. ***Influence of light quality on growth and rooting of *Acacia tortilis*, a tree species of semiarid East Africa.*** Dick, J. M.; East, K. *Nitrogen Fixing Tree Research Reports* 10:97-101. 1992.

* 100* ***A leaf phosphorus assay for seedlings of *Acacia mangium*.*** Sun, J. S.; Simpson, R. J.; Sands, R. *Tree Physiology* 11(3):315-324. 1992.

101. ***Mechanical cleaning of *Prosopis* seed.*** Pasiecznik, N.; Felker, P. *Nitrogen Fixing Tree Research Reports* 10:186-187. 1992.

102. ***A new grafting technique for *Erythrina*, *Leucaena*, and possibly other nitrogen fixing tree species.*** Brennan, E. B. *Nitrogen Fixing Tree Research Reports* 10:85-88. 1992.

103. ***The nursery performance of thirty-nine *Leucaena* seedlots in Honduras.*** Hellin, J. J.; Gomez R., R. *Leucaena Research Reports* 12:23-25. 1991.

104. **Rooting of Casuarina equisetifolia Cladode cuttings as influenced by season and auxins.** Gurumurti, K.; Rawat, P. S. Nitrogen Fixing Tree Research Reports 10:13 7-140. 1992.
105. **Seed attributes in relation to their position in the pod and its influence on seedling establishment of four ornamental tree species.** Srimathi, P.; Swaminathan, C.; Sivagnanam, K.; Surendran, C. Journal of Tropical Forest Science 4(3):245-248. 1992.
106. **Stimulation of adventitious root regeneration on leafy shoot cuttings of neem (Azadirachta indica) by auxin and phenols.** Pal, M.; Badola, K. C.; Bhandari, H. C. S. Indian Journal of Forestry 15(1):68-70. 1992.
107. **The symbiotic association between vesicular-arbuscular mycorrhizal fungi and Leucaena leucocephala.** Aziz, T.; Sylvia, D. M. Leucaena Research Reports 12:111-118. 1991.

Vegetative Propagation and Tissue Culture

108. **Age of hybrid poplar stools at first cut influences third- year cutting production.** Tolsted, D.; Hansen, E. USDA Forest Service, North Central Forest Experiment Station, Research Note NC-357. 3 p. 1992.
109. **Cultural practices for the production of radiata pine cuttings in Australia.** Duryea, M. L.; Boomsma, D. B. Southern Forest Nursery Association Conference Proceedings 1992:12. 1992.
- *110* **Morphological features as indicators of maturity in acclimatized Pinus pinaster from different in vitro origins.** Monteuis, O.; Dumas, E. Canadian Journal of Forest Research 22(9):1417-1421. 1992.

111. **Promising future for radiata pine cuttings.** Menzies, M.; Klomp, B.; Holden, G. New Zealand Ministry of Forestry, Forest Research Institute, What's New in Forest Research no. 212. 4 p. 1991.
112. **Tissue culture may introduce Mexican redbud to urban uses.** Neal, K. Nursery Manager 8(12):40,42. 1992.

Water Management and Irrigation

113. **Ebb and flood systems: designs on pathogen control.** Fynn, R. P.; Hoitink, H.; McMahon, R. Greenhouse Grower 10(12):22-24. 1992.
114. **Harnessing nursery runoff.** Rackley, J. American Nurseryman 176(7):30-37. 1992.
115. **Improving overhead irrigation.** Regan, R. American Nurseryman 176(9):45-51. 1992.
116. **Recycling water, nutrients, and waste in the nursery industry.** Skimina, C. A. HortScience 27(9):968-971. 1992.

Weed Control

- *117* **Herbicide interactions with fungal root pathogens, with special reference to glyphosate.** Levesque, C. A.; Rahe, J. E. Annual Review of Phytopathology 30:579-602. 1992. Sublethal doses of herbicides may either protect or predispose crops to disease.
118. **History of herbicide-tolerant crops, methods of development and current state of the art -- emphasis on glyphosate tolerance.** Kishore, G. M.; Padgett, S. R.; Fraley, R. T. Weed Technology 6(3):626-634. 1992.
119. **History of identification of herbicideresistant weeds.** Holt, J. S. Weed Technology 6(3):615-620. 1992.