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Business Management

1. The challenges and accomplishments in reforesting boreal sites in northern Ontario. Bradley, D. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.135-139. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

2. Economic evaluation of methyl bromide alternatives for the production of strawberries in the southeastern United States. Sydorovych, O., Safley, C. D., Ferguson, L. M., and Poling, E. B. HortTechnology 17(1):118-128. 2006.

3. Make greenhouse tasks more efficient and save. Bartok, J. W., Jr. Greenhouse Management and Production 26(3):68, 70. 2006.

4. Making ends meet in the forest nursery business. Kitchen, J. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.21-24. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

5. Planting longleaf pine at wide spacings. South, D. B. Native Plants Journal 7(1):79-88. 2006.

Container Production

6. The ABCs of PGRs. Rafter, D. Digger 50(3):43-47, 49. 2006. Plant growth regulators offer growers the closest thing to total control.

7. Mini seedlings -- a new forest regeneration system. Lindstrom, A., Hellqvist, C., and Stattin, E. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.59-61. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

8. A root-bound index for container-grown pines. South, D. B. and Mitchell, R. G. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.92-97. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

9. Root form of jack pine seedlings grown in a variety of containers. Colombo, S. J. and Chapman, K. A. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.84. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

10. Turning off the tap: controlling nutrient leaching, growth and hardening of containerized white spruce seedlings through irrigation management. Carles, S. A., Stowe, D. C., Lamhamedi, M. S., and Fecteau, B. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.77-82. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

Diverse Species

11. © Biodiversity -- the appreciation of different thought styles and values helps to clarify the term. Mayer, P. Restoration Ecology 14(1):105-111. 2006.

12. Breaking seed dormancy in black mulberry (*Morus nigra* L.) by cold stratification and exogenous application of gibberellic acid. Koyuncu, F. Acta Biologica Cracoviensia Series Botanica 47(2):23-26. 2005.

13. © Building science and accountability into community-based restoration: can a new funding approach facilitate effective and accountable restoration? Reeve, T., Lichatowich, J., Towey, W., and Duncan, A. Fisheries 31(1):17-24. 2006.

14. Comparison of methods for seeding Nebraska sedge (*Carex nebrascensis*) and Baltic rush (*Juncus balticus*). Tilley, D. J. and Hoag, J. C. Native Plants Journal 7(1):95-99. 2006.

15. Control of knotweed and other invasive species and experiences restoring native species in the Pacific Northwest US. Davenport, R. Native Plants Journal 7 (1):20-26. 2006.

16. Desiccation, cryopreservation and germination of seeds of the rare wetland species, *Plantago cordata* Lam. Pence, V. C. and Clark, J. F. Seed Science and Technology 33(3):767-770. 2005.

17. Effects of smoke and fire-related cues on *Penstemon barbatus* seeds. Abella, S. R. American Midland Naturalist 155(2):404-410. 2006.

18. © Establishing *Artemisia tridentata* ssp. *wyomingensis* on mined lands: science and economics. Schuman, G. E., Vicklund, L. E., and Belden, S. E. Arid Land Research and Management 19(4):353-362. 2005.

19. © Gametophyte fragment growth of three common desert mosses on artificial and natural substrates. Jones, P. R. and Rosentreter, R. The Bryologist 109(2):166-172. 2006.

20. © Genetic diversity and distribution of *Sarracenia purpurea* (Sarraceniaceae) in the western Lake Superior basin. Karberg, J. M. and Gale, M. R. Canadian Journal of Botany 84(2):235-242. 2006.

21. Genetic fingerprinting of golden seal using AFLP markers. Zhou, S. and Sauve, R. J. Native Plants Journal 7(1):72-77. 2006.

22. © Germination of drupelets in multi-seeded drupes of the shrub *Leptecophylla tameiameiae* (Ericaceae) from Hawaii: a case for deep physiological dormancy broken by high temperatures. Baskin, C. C., Baskin, J. M., Yoshinaga, A., and Thompson, K. Seed Science Research 15(4):349-356. 2005.

23. © Hydrologic factors affecting initial willow seedling establishment along a subalpine stream, Colorado, U.S.A. Woods, S. W. and Cooper, D. J. Arctic, Antarctic, and Alpine Research 37(4):636-643. 2005.

24. Invasive plants: the name game. Altland, J. Digger 50(3):26-31. 2006.

25. Moss propagation in Glacier National Park's native plant nursery. McDonough, S. Native Plants Journal 7(1):27-30. 2006.

26. Native grass seeding and forb planting establishment in a degraded oak savanna plant community in the Coast Range foothills of western Oregon. Vance, N., Neill, A., and Morton, F. Native Plants Journal 7(1):35-46. 2006.

27. The pot planter -- a new attachment for the Waterjet Stinger. Hoag, J. C. Native Plants Journal 7 (1):100-101. 2006.

28. Propagating native Salicaceae for riparian restoration on the Hopi Reservation in Arizona. Landis, T. D., Dreesen, D. R., Pinto, J. R., and Dumroese, R. K. Native Plants Journal 7(1):52-60. 2006.

29. Propagation protocol for the endangered crenulate lead plant *Amorpha herbacea* var. *crenulata*. Roncal, J., Fisher, J. B., Fellows, M. Q. N., Wendelberger, K. S., Maschinski, J., and Fidelibus, M. W. Native Plants Journal 7(1):89-93. 2006.

30. © Reestablishing roots of a Mohawk community and a culturally significant plant: sweetgrass. Shebitz, D. J. and Kimmerer, R. W. Restoration Ecology 13 (2):257-264. 2005.

31. © Restoration of a restinga sandy coastal plain in Brazil: survival and growth of planted woody species. Zamith, L. R. and Scarano, F. R. Restoration Ecology 14 (1):87-94. 2006.

32. Restoration of native plants on Catalina Island, California. Serrill, W. D. Native Plants Journal 7(1):4-14. 2006.

33. © Seed ecology and germination treatments in *Magnolia dealbata*: an endangered species. Corral-Aguirre, J. and Sanchez-Velasquez, L. R. Flora 201 (3):227-232. 2006.

34. © Seed germination of five *Helianthemum* species: effect of temperature and presowing treatments. Perez-Garcia, F. and Gonzalez-Benito, M. E. Journal of Arid Environments 65(4):688-693. 2006.

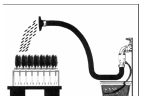
35. Seed production protocols for *Anaphalis margaritacea, Eriophyllum lanatum* and *Eriogonum umbellatum*. Aarchibald, C. Native Plants Journal 7 (1):47-51. 2006.

36. Seed quality testing of native species. Elias, S., Garay, A., Schweitzer, L., and Hanning, S. Native Plants Journal 7(1):15-19. 2006.

37. © Stream restoration databases and case studies: a guide to information resources and their utility in advancing the science and practice of restoration. Jenkinson, R. G., Barnas, K. A., Braatne, J. H., Bernhardt, E. S., Palmer, M. A., and Allan, J. D. Restoration Ecology 14(2):177-186. 2006.

38. Understanding cultural reasons for the increase in both restoration efforts and gardening with native plants. McMahan, L. R. Native Plants Journal 7(1):31-34. 2006.

Fertilization and Nutrition



39. © Effects of variable nitrogen fertilization on growth, gas exchange, and biomass partitioning in black spruce and tamarack seedlings. Islam, M. A. and Macdonald, S. E. Canadian Journal of Botany 83 (11):1574-1580. 2005.

40. © Exponential fertilization of *Pinus monticola* seedlings: nutrient uptake efficiency, leaching fractions, and early outplanting performance. Dumroese, R. K., Page-Dumroese, D. S., Salifu, K. F., and Jacobs, D. F. Canadian Journal of Forest Research 35 (12):2961-2967. 2005.

41. Fertilizing plants to keep them healthy. Powell, C. C. Greenhouse Grower 24(5):48, 50, 52. 2006.

42. © Fourth year response of aspen seedlings to lime, nitrogen and phosphorus applied at planting and 1 year after planting. van den Driessche, R., Niemi, F., and Charleson, L. Forest Ecology and Management 219 (2-3):216-228. 2005.

43. Nitrogen availability from high-nitrogen-containing organic fertilizers. Hartz, T. K. and Johnstone, P. R. HortTechnology 16(1):39-42. 2006. Compares seabird guano, hydrolyzed fish powder, feather meal, and blood meal.

44. Nutrient uptake and leaching on citrus nursery production in substrate with two fertilizer management programs. Bataglia, O. C., Quaggio, J. A., Ferreria de Abreu, M., and Ronchini Boaventura, P. S. Acta Horticulturae 697:281-284. Proceeding of the International Symposium on Soilless Culture and Hydroponics. 2005.

45. Reduction of phosphatic and potash fertilizer in sweet corn production by pre-transplanting application of potassium phosphate to plug seedlings. Watanabe, K., Murayama, T., Niino, T., Nitta, T., and Nanzyo, M. Plant Production Science 8(5):608-616. 2006.

46. Root-zone electrical conductivity monitoring for nutrient loading and spiking of container tree seedlings. Timmer, V. R., Teng, Y., and Jacobs, D. F. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.98. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

47. Soil nutrient supply rates as an indicator of site suitability and seedling growth requirements. Hangs, R. D., Greer, K. J., and Van Rees, K. C. J. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.151-158. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

48. Test for success Kackley, K., Peters, C., and Ferry, S. Greenhouse Management and Production 26(7):82-84, 86, 88-89. 2006. Ensure a successful crop by following a planned testing program.

49. Testing 1,2,3... diagnosing nutrient deficiencies. Altland, J. Digger 50(2):47-54. 2006.

50. © Why does phosphorus limitation increase wood density in *Eucalyptus grandis* seedlings? Thomas, D. S., Montagu, K. D., and Conroy, J. P. Tree Physiology 26 (1):35-42. 2006.

General and Miscellaneous

51. Benchmark renewal standards: what you see in what you get... (NOT)!! Bowling, C. and White, R. G. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.131-134. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

52. Challenges and successes in regeneration practices in the northern Mediterranean basin. Ciccarese, L. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.3-10. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

53. © Ecological restoration, environmentalism and the Dutch politics of "New Nature". van der Heijden, H.-A. Environmental Values 14(4):427-446. 2005. "New Nature" refers to the practice in which superfluous agricultural lands are "given back to nature" to compensate for the loss of "old nature" in other parts of the Netherlands.

54. © The effects of slash and stump removal on productivity and quality of forest regeneration operations -- preliminary results. Saarinen, V.-M. Biomass and Bioenergy 30(4):349-356. 2006.

55. Forest regeneration trends: dinosaurs, political correctness, and the future. Wagner, R. G. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.37-43. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

56. Growth and yield of all-aged Douglas-fir - western hemlock forest stands: a matrix model with stand diversity effects. Liang, J., Buongiorno, J., and Monserud, R. A. Canadian Journal of Forest Research 35 (10):2368-2381. 2005.

57. © Implementing carbon credits for forests based on green accounting. Cairns, R. D. and Lasserre, P. Ecological Economics 56(4):610-621. 2006.

58. Public knowledge, opinion, and support of forest restoration: a survey of residents in northern Arizona. Ostergren, D. and Ruther, E. J. IN: Colorado Plateau II: Biophysical, socioeconomic, and cultural research, p. 25-35.University of Arizona Press 2005.

59. Regeneration practices in Scandinavia: state-of-the-art and new trends. Mattsson, A. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.26-31. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

60. © Regeneration standards: what has the past to show us? Armson, K. A. Forestry Chronicle 81(6):781-784. 2006.

61. Successful stock production for forest regeneration: what foresters should ask nursery managers about their crops (and vice versa). Dumroese, R. K., Jacobs, D. F., and Landis, T. D. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.14-20. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

62. © Viability of carbon offset-generating afforestation projects in boreal Ontario. Biggs, J. and Leaksonen-Craig, S. Forestry Chronicle 82(1):70-76. 2006.

SO. The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings. Colombo, S. J. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 175 p. 2005. ORDER FROM: Ontario Forest Research Institute, 1235 Queen Street

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Genetics and Tree Improvement

63. Conservation of *Castanea dentata* germplasm of the southeastern United States. Alexander, M. T., Worthen, L. M., and Craddock, J. H. Acta Horticulturae 693:485-490. Proceedings of the 3rd International Chestnut Congress. 2005 Abreu, C.G.; Rosa, E.; & Monteiro, A.A., eds. Proceedings of 3rd International Chestnut Congress.

64. Genic diversity, genetic structure, and mating system of Brewer spruce (Pinaceae), a relict of the Arcto-Tertiary forest. Ledig, F. T., Hodgskiss, P. D., and Johnson, D. R. American Journal of Botany 92 (12):1975-1986. 2005.

65. © Postglacial colonization and population genetic relationships in the *Pinus contorta* complex. Fazekas, A. J. and Yeh, F. C. Canadian Journal of Botany 84 (2):223-234. 2006.

66. © Rangewide provenance variation in Atlantic white-cedar (*Chamaecyparis thyoides*): early survival and growth in New Jersey and North Carolina plantations. Mylecraine, K. A., Kuser, J. E., Zimmermann, G. L., and Smouse, P. E. Forest Ecology and Management 216(1-3):91-104. 2005.

67. © Recovery of American chestnut characteristics following hybridization and backcross breeding to restore blight-ravaged *Castanea dentata*. Diskin, M., Steiner, K. C., and Hebard, F. V. Forest Ecology and Management 223(1-3):439-447. 2006.

Mycorrhizae and Beneficial Microorganisms

68. © The effect of *Frankia* and *Paxillus* involutus on the performance of *Alnus incana* subsp. *rugosa* in mine tailings. Markham, J. H. Canadian Journal of Botany 83(11):1384-1390. 2005.

69. © Effect of inoculation of *Pseudomonas* on the growth and development of fir and spruce seedlings. Zargar, M. Y., Khan, M. A., Parry, S. N., Ahmad, M., and Khursheed, S. Indian Journal of Microbiology 45 (4):313-315. 2005.

70. Mycorrhizal biotechnology for reclamation of oil sand composite tailings and tailings land in Alberta. Quoreshi, A. M., Khasa, D. P., Bois, G., Jany, J. L., Begrand, E., McCurdy, D., and Fung, M. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.122-127. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

71. © Rhizobacteria isolated from loblolly pine seedlings mediate growth-promotion of greenhouse-grown loblolly, slash, and longleaf pine seedlings. Enebak, S. A. Forest Science 51(6):541-545. 2005.

72. Twenty years later -- revisiting a jack pine mycorrhizae study near Raith, Ontario. Luckai, N. J. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.160-163. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

73. Variations in the responses of *Acacia mangium* to inoculation with different strains of *Bradyrhizobium* sp. under nursery conditions. Jayakumar, P. and Tan, T. K. Symbiosis 41(1):31-37. 2006.

Nursery Structures And Equipment

74. 2 vent systems offer options. Bartok, J. W., Jr. Greenhouse Management and Production 26(6):105. 2006.

75. Airflow options affect crop growth. Both, A. J. Greenhouse Management and Production 26(5):59-62, 64. 2006. Whether you choose natural or mechanical ventilation, even air distribution inside the greenhouse is important for uniform crops.

76. The benefits of fan-and-pad evaporative cooling systems. Bartok, J. W., Jr. Greenhouse Management and Production 26(5):70-72. 2006.

77. Build and maintain greenhouses with energy conservation in mind. Both, A. J. and Mears, D. R. Greenhouse Management and Production 26(5):54-56. 2006.

78. Curtain checkup. Dean, P. Greenhouse Grower 24 (4):35-36, 38. 2006.

79. How to prevent fires. Bartok, J. W., Jr. Greenhouse Management and Production 26(4):65. 2006.

80. Keep your greenhouse cool this summer: options allow growers to save money. Both, A. J. Greenhouse Management and Production 26(4):45-46, 48. 2006.

81. Manage shade curtains based on accumulated light. Parbst, K. Greenhouse Management and Production 26(4):49-52. 2006. Monitoring the daily light integral can help prevent over shading and unnecessary overheating.

82. Temperatures affect growth. Runkle, E. S. Greenhouse Management and Production 26(4):58, 60. 2006.

Outplanting Performance

83. Afforestation in the central hardwood forest region of the USA. Davis, A. S. and Jacobs, D. F. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.48-53. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

84. © Black willow cutting survival in streambank plantings, southeastern United States. Pezeshki, S. R. and Shields, F. D., Jr. Journal of the American Water Resources Association 42(1):191-200. 2006.

85. © Comparison between field performance of cuttings and seedlings of *Eucalyptus globulus*. Gaspar, M. J., Borralho, N., and Lopes Gomes, A. Annals of Forest Science 62(8):837-841. 2005.

86. © Container characteristics influence *Pinus pinea* seedling development in the nursery and field. Dominguez-Lerena, S., Herrero Sierra, N., Carrasco Manzano, I., Ocana Bueno, L., Penuelas Rubira, J. L., and Mexal, J. G. Forest Ecology and Management 221(1-3):63-71. 2006.

87. Defining seedling specifications for *Eucalyptus globulus*: effects of seedling size and container type on early after-planting performance. Close, D. C., Bail, I., Hunter, S., and Beadle, C. L. Australian Forestry 69(1):2-8. 2006.

88. Effect of plant date on stand establishment Kiiskila, S. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.102-106. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

89.© Effects of organic matter removal, soil compaction, and vegetation control on 5-year seedling performance: a regional comparison of Long-Term Soil Productivity sites. Fleming, R. L., Powers, R. F., Foster, N. W., and Kranabetter, J. M. Canadian Journal of Forest Research 36(3):529-550. 2006.

90. © Effects of site preparation treatments on early growth and survival of planted longleaf pine (*Pinus palustris* Mill.) seedlings in North Carolina. Knapp, B. O., Wang, G. G., Walker, J. L., and Cohen, S. Forest Ecology and Management 226(1-3):122-128. 2006.

91. © The effects of soil compaction and fertilizer application on the establishment and growth of *Pinus radiata*. Simcock, R. C., Parfitt, R. L., Skinner, M. F., Dando, J., and Graham, J. D. Canadian Journal of Forest Research 36(5):1077-1086. 2006.

92. © Establishment and early growth of dryland plantings of Arizona cypress in New Mexico, USA. Harrington, J. T., Loveall, M. W., and Kirksey, R. E. Agroforestry Systems 63(2):183-192. 2004.

93. Extending the planting period of dormant and growing Norway spruce container seedlings to early summer. Luoranen, J., Rikala, R., Konttinen, K., and Smolander, H. Silva Fennica 39(4):481-496. 2005.

94. Gap planting in conifer pure stand in Japan. Ochiai, Y. and Ishizuka, M. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.116-119. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

95. © Harvesting impacts on understory regeneration in two-storied Douglas-fir stands. Newton, M. and Cole, E. C. Western Journal of Applied Forestry 21 (1):14-18. 2006.

96. © Influence of soil scarification on reindeer foraging and damage to planted *Pinus sylvestris* seedlings. Roturier, S. and Bergsten, U. Scandinavian Journal of Forest Research 21(3):209-220. 2006.

97. © Intensive forest management affects loblolly pine (*Pinus taeda* L.) growth and survival on poorly drained sites in southern Arkansas. Rahman, M. S., Messina, M. G., and Fisher, R. F. Southern Journal of Applied Forestry 30(2):79-85. 2006.

98. © Long-term seedfall, establishment, survival, and growth of natural and planted ponderosa pine in the Colorado Front Range. Shepperd, W. D., Edminster, C. B., and Mata, S. A. Western Journal of Applied Forestry 21(1):19-26. 2006.

99. Maximizing nutrient storage in nursery culture to promote retranslocation and growth of outplanted seedlings. Salifu, K. F., Jacobs, D. F., and Birge, Z. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.86-91. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

100. Nine different nursery fertilizer regimes still affecting jack pine plantation growth after 12 years. Smith, W., Willis, D., and Colombo, S. J. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.164-169. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

101. © Performance of planted Engelmann spruce and subalpine fir seedlings in British Columbia's southern mountains. Lajzerowicz, C. C., Vyse, A., Jull, M., and Newsome, T. Forestry Chronicle 82(1):84-94. 2006.

102. © Physical sheltering and liming improve survival and performance of mountain birch seedlings: a 5-year study in a heavily polluted industrial barren. Eranen, J. K. and Kozlov, M. V. Restoration Ecology 14(1):77-86. 2006.

103. Risks related to the extension of the planting period of Norway spruce container seedlings: drought -- growth stage dynamics and handling practices. Helenius, P., Luoranen, J., and Rikala, R. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.101. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

104. © The role of below-ground competition during early stages of secondary succession: the case of 3-year-old Scots pine (*Pinus sylvestris* L.) seedlings in an abandoned grassland. Picon-Cochard, C., Coll, L., and Balandier, P. Oecologia 148(3):373-383. 2006.

105. © Root growth and nutrient uptake of Norway spruce container seedlings planted in mounded boreal forest soil. Heiskanen, J. and Rikala, R. Forest Ecology and Management 222(1-3):410-417. 2006.

106. © Root morphology, stem growth and field performance of seedlings of two Mediterranean evergreen oak species raised in different container types. Tsakaldimi, M., Zagas, T., Tsitsoni, T., and Ganatsas, P. Plant and Soil 278(1-2):85-93. 2005.

107. Seedling size and reforestation success: how big is big enough? Grossnickle, S. C. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.144-149. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

108. © Simulating the effects of reforestation on a large catastrophic fire burned landscape in northeastern China. Wang, X., He, H. S., Li, X., Chang, Y., Hu, Y., Xy, C., Bu, R., and Xie, F. Forest Ecology and Management 225(1-3):82-93. 2006.

109. © Synergistic stem volume response to combinations of vegetation control and seedling size in conifer plantations in Oregon. Rosner, L. S. and Rose, R. Canadian Journal of Forest Research 36(5):930-944. 2006.

110. © Using natural stand development patterns in artificial mixtures: a case study with cherrybark oak and sweetgum in east-central Mississippi, USA Lockhart, B. R., Ezell, A. W., Hodges, J. D., and Clatterbuck, W. K. Forest Ecology and Management 222 (1-3):202-210. 2006.

Pest Management

111. © Application of slow-release tablets to enhance white pine regeneration: growth response and efficacy against white pine blister rust. Pitt, D. G., Meyer, T., Park, M., MacDonald, L., Buscarini, T., and Thompson, D. G. Canadian Journal of Forest Research 36(3):684-698. 2006.

112. Blow thrips and mites away. Opit, G., Nechols, J., Williams, K., and Margolies, D. Greenhouse Grower 24 (3):8-10, 12. 2006. Mechanical blowers speed the predator-sprinkling process and research shows their effectiveness.

113. © Compost and manure mediated impacts on soilborne pathogens and soil quality. Darby, H. M., Stone, A. G., and Dick, R. P. Soil Science Society of America Journal 70(2):347-358. 2006.

114. Different from the norm. Ong, K. L. American Nurseryman 203(4):22-25. 2006. A plant pathology expert explains why alternative, environmentally friendly materials and products should be used in controlling plant disease.

115. Eradication of *Phytophthora nicotianae* and *Rhizoctonia solani* by double layer solarization in tomato seedbeds. Perez, A. R., Hernandez, S. D., and Llobet, L. G. Acta Horticulturae 698:207-211. Proceedings of the 6th International Symposium on chemical and non-chemical soil and substrate disinfestation. 2005.

116. © Fumigant distribution in forest nursery soils under water seal and plastic film after application of dazomet, metam-sodium and chloropicrin. Wang, D., Fraedrich, S. W., Juzwik, J., Spokas, K., Zhang, Y., and Koskinen, W. C. Pest Management Science 62(3):263-273. 2006.

117. How to clean and disinfect your greenhouse. Smith, T. Greenhouse Management and Production 26 (5):47-48, 50-52. 2006. Take the opportunity to thoroughly clean greenhouses between crop cycles when greenhouses and totally empty.

118. Managing plant health. Powell, C. C. Greenhouse Grower 24(2):66-67. 2006. Learn how to promote the health of your plants with the Integrated Plant Health Management system.

119. © Microsatellite markers identify three lineages of *Phytophthora ramorum* in US nurseries, yet single lineages in US forest and European nursery populations. Ivors, K., Garbelotto, M., Vries, I. D. E., Ruyter-Spira, C., Hekkert, B. T., Rosenzweig, N., and Bonants, P. Molecular Ecology 15(6):1493-1505. 2006.

120. *Phytophthora* spp. on beech seedlings in some forest nurseries of south Poland. Stepniewska, H. IN: Phytophthora spp. in nurseries and forest stands, p. 47-52. Forest Research Institute, Warsaw, Poland. 2005.

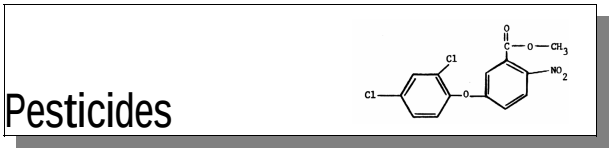
121. Root rots offer challenges to greenhouse, field growers. Hausbeck, M. Greenhouse Management and Production 26(4):61-62. 2006.

122. © Seed treatment with phosphonate (AG3) suppresses *Pythium* damping-off of cucumber seedlings. Abbasi, P. A. and Lazarovits, G. Plant Disease 90(4):459-464. 2006.

123. Spot treating may, or may not, help target specific pests. Cloyd, R. Greenhouse Management and Production 26(7):98, 100-101. 2006.

124. © Stock-type susceptibility and delineation of treatment areas for a cryptic *Pinus radiata* root disease. Hood, I. A., Kimberley, M. O., and Gardner, J. F. Phytopathology 96(6):630-636. 2006.

125. © Why vegetation increases pine weevil damage: bridge or shelter? Petersson, M., Nordlander, G., and Orlander, G. Forest Ecology and Management 225(1-3):368-377. 2006.



126. 3 factors affect pesticide runoff and leaching. Newman, J. Greenhouse Management and Production 26 (2):68-69. 2006.

127. Are botanical insecticides safer than synthetics? Chalker-Scott, L. American Nurseryman 203(4):10. 2006.

128. Precautionary pesticide selection. Snedeker, S. M. American Nurseryman 203(3):26-28, 30-31. 2006. Health concerns are driving the availability of numerous resources to determine the proper and safe use of pesticides.

129. Safe pesticide use for healthy plants. Powell, C. C. Greenhouse Grower 24(7):80, 82, 84. 2006. Read pesticide labels, understand the Material Safety Data Sheet, be concerned about safety when mixing and applying pesticides, and have a safe storage unit.

130. Using pesticides effectively. Powell, C. C. Greenhouse Grower 24(8):68, 70, 72, 74. 2006.

Seedling Harvesting And Storage

131. Greenhouse on wheels: new shipping technology converts dry vans into nursery stock haulers. Digger 50(1):46-47. 2006. A Plant ProTek liner system allows dry vans to be used in place of refrigerated trailers to increase transportation resource options.

132. © The physiological responses of oak seedlings to warm storage. Cabral, R. and O'Reilly, C. Canadian Journal of Forest Research 35(10):2413-2422. 2005.

Seedling Physiology And Morphology

133. © Atmospheric carbon dioxide enrichment reduces carbohydrate and nitrogen reserves in overwintering *Picea mariana*. Bertrand, A. and Bigras, F. J. Scandinavian Journal of Forest Research 21(1):3-13. 2006.

134. Change of cold hardiness in bare-rooted Norway spruce planting stock during autumn and its effect on survival. Sarvas, M. Journal of Forest Science 49 (3):133-139. 2003.

135. Determination of effects of desiccation and frost stresses on the physiological quality of Norway spruce (*Picea abies* [L.] Karst.) seedlings by measurement of electrolyte leakage from the root system. Sarvas, M. Journal of Forest Science 48(8):366-371. 2002.

136. Effect of desiccation on the root system of Norway spruce (*Picea abies* [L.] Karst.) seedlings and a possibility of using hydrogel STOCKOSORB for its protection. Sarvas, M. Journal of Forest Science 49 (11):531-536. 2003.

137. © Effects of light acclimation on the photosynthesis, growth, and biomass allocation in American chestnut (*Castanea dentata*) seedlings. Wang, G. G., Bauerle, W. L., and Mudder, B. T. Forest Ecology and Management 226(1-3):173-180. 2006.

138. © Effects of light intensity on the growth and energy balance of photosystem II electron transport in *Quercus alba* seedlings. Wang, G. G. and Bauerle, W. L. Annals of Forest Science 63(2):111-118. 2006.

139. © Effects of nitrogen fertilization and temperature on frost hardiness of Aleppo pine (*Pinus halepensis* Mill.) seedlings assessed by chlorophyll fluorescence. Puertolas, J., Gil, L., and Pardos, J. A. Forestry 78(5):501-511. 2005.

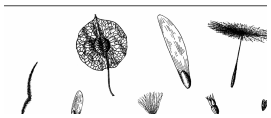
140. © Gravitropism of pine radicles in the dark. He, D. and South, D. B. New Forests 31(2):165-172. 2006.

141. © Quality assessment of temperature zone deciduous hardwood seedlings. Wilson, B. C. and Jacobs, D. F. New Forests 31(3):417-433. 2006.

142. Seedling development of *Araucaria araucana* (Mol.) Sim, J. S. and Tesche, M. Phyton (Austria) 45 (3):355-362. 2005.

143. © Tamarack response to salinity: effects of sodium chloride on growth and ion, pigment, and soluble carbohydrate levels. Renault, S. Canadian Journal of Forest Research 35(12):2806-2812. 2006.

Seeds



144. © Evaluating desiccation sensitivity of *Quercus rubra* acorns using X-ray image analysis. Goodman, R. C., Jacobs, D. F., and Karrfalt, R. P. Canadian Journal of Forest Research 35(12):2823-2831. 2005.

145. © Lodgepole pine and white spruce germination: effects of stratification and simulated aging. Krakowski, J. and El-Kassaby, Y. A. Silvae Genetica 54 (3):138-144. 2005.

146. © Post-germination effects of the smoke-derived compound 3-methyl-2H-furo[2,3-c]pyran-2-one, and its potential as a preconditioning agent. van Staden, J., Sparg, S. G., Kulkarni, M. G., and Light, M. E. Field Crops Research 98(2-3):98-105. 2006.

147. © The response of prechilled alder and birch seeds to drying, freezing, and storage. De Atrip, N. and O'Reilly, C. Canadian Journal of Forest Research 36 (3):749-760. 2006.

148. Successful 1-y storage of swamp white oak acorns. Hoss, G. Native Plants Journal 7(1):69-71. 2006.

Soil Management and Growing Media

149. 4 steps to better pour-through Fisher, P. R., Douglas, A. C., and Agro, W. R. Greenhouse Management and Production 26(2):50-54. 2006.

150. Bioadditives incorporated. Conroy, A. M. Greenhouse Grower 24(8):34, 36, 37. 2006. Media mixes that include beneficial organisms and biofungicides prior to purchase can lighten the load for growers.

151. Douglas fir bark: a complicated but competent substrate Altland, J. Digger 50(6):23-30. 2006.

152. Growth responses of scots pine seedlings grown in peat-based media amended with natural zeolite. Ayan, S. and Tufekcioglu, A. Journal of Environmental Biology 27(1):27-34. 2006.

153. How to soil test small containers. Fisher, P. R., Douglas, A. C., and Argo, W. R. Greenhouse Management and Production 26(3):46-47, 49-50, 52. 2006. The plug squeeze and direct sensor methods are alternative techniques for testing pH and electrical conductivity.

154. Leaching of composts from agricultural wastes to prepare nursery potting media. Carrion, C., Abad, M., Fornes, F., Noguera, V., Maquieira, A., and Puchades, R. Acta Horticulturae 697:117-124. Proceeding of the International Symposium on Soilless Culture and Hydroponics. 2006.

155. Management considerations for using container mulches. Altland, J. Digger 50(4):26-32, 34. 2006.

156. © Processes influencing soil carbon storage following afforestation of pasture with *Pinus radiata* at different stocking densities in New Zealand. Scott, N. A., Tate, K. R., Ross, D. J., and Parshotam, A. Australian Journal of Soil Research 44(2):85-96. 2006.

157. Proper use of soils and media. Powell, C. C. Greenhouse Grower 24(3):66-68. 2006.

Tropical Forestry and Agroforestry

158. Characteristics and role of *Acacia auriculiformis* on vegetation restoration in lower subtropics of China. Peng, S. L., Liu, J., and Lu, H. F. Journal of Tropical Forest Science 17(4):508-525. 2005.

159. Competitiveness of two strains of *Pisolithus tinctorius* on seedlings of three Dipterocarp species under nursery and field conditions. Chang, Y. S., Lee, S. S., Lapeyrie, F., and Yazid, M. S. IN: Plantation technology in tropical forest science, p. 199-206. Springer-Verlag. 2006.

160. © Dormancy and germination in three *Acacia* (Fabaceae) species from central Argentina. Funes, G. and Venier, P. Seed Science Research 16(1):77-82. 2006.

161. Early growth and physiological characteristics of planted seedlings in La Mesa Dam watershed, Philippines. Combalicer, M. S., Lee, D. K., Woo, S. Y., Lee, Y. K., and Jany, Y. H. Philippine Agricultural Scientist 88(3):305-316. 2005.

162. Effect of enrichment planting on restoring the logged-over Dipterocarps in a tropical rainforest of central Sumatra. Okimori, Y., Kikuchi, J., and Hardiwinoto, S. IN: Plantation technology in tropical forest science, p. 231-238. Springer-Verlag. 2006.

163. Effects of indole butyric acid concentrations and media on rooting of leafy stem cuttings of *Shorea parvifolia* and *Shorea macroptera*. Aminah, H., Nor Hasnita, R. M. N., and Hamzah, M. Journal of Tropical Forest Science 18(1):1-7. 2006.

164. Growth and biomass of *Acacia mangium* Willd. stands planted as bare-root and container seedlings. Kamo, K., Jamalung, L., and Mohammad, A. JARQ (Japan Agricultural Research Quarterly) 39(4):299-305. 2005.

165. Natural barriers to natural disasters: replanting mangroves after the tsunami. Barbier, E. B. Frontiers in Ecology and the Environment 4(3):124-131. 2006.

166. Planting techniques and growth of Dipterocarps in an abandoned secondary forest in East Kalimantan, Indonesia. Matsune, K., Soda, R., Sunyoto, Tange, T., Sasaki, S., and Suparno IN: Plantation technology in tropical forest science, p. 221-229. Springer-Verlag. 2006.

167. Reforestation and biodiversity in the Asia-Pacific region. Kikkawa, J. IN: Plantation technology in tropical forest science, p. 247-263. Springer-Verlag. 2006.

168. © Seed dormancy and germination of *Ficus lundellii* and tropical forest restoration. Garcia, X., Hong, T. D., and Ellis, R. H. Tree Physiology 26(1):81-5. 2006.

Vegetative Propagation and Tissue Culture

169. Optimizing the water relations of cuttings. Davies, F. T., Jr. American Nurseryman 203(8):30-33. 2006.

170. © Stockplant management for optimized rhizogenesis in *Tectona grandis* stem cuttings. Singh, S., Bhandari, A. S., and Ansari, S. A. New Forests 31 (1):91-96. 2006.

171. The vegetative propagation possibilities of black alder [*Alnus glutinosa* subsp. *barbata* (C.A. Mey.) Yalt.] by softwood cuttings. Ayan, S., Yahyaoglu, Z., Gercek, V., Sahin, A., and Sivacioglu, A. Pakistan Journal of Biological Sciences 9(2):238-242. 2006.

Water Management and Irrigation

172. How critical is greenhouse water treatment? Merrill, L. and Konjoian, P. Greenhouse Management and Production 26(6):88. 2006.

173. It's all about the formulation. Fulton, J. Greenhouse Grower 24(8):30-31. 2006. The Sure Flow system from CH20 is a simple, on-site generation of a patented chelant disinfectant compound.

174. Opportunities for conservation with precision irrigation. Sadler, E. J., Evans, R. G., Stone, K. C., and Camp, C. R. Journal of Soil and Water Conservation 60 (6):371-378. 2005.

175. Soil texture and water management. Zartman, R. E. American Nurseryman 203(5):32-34. 2006.

176. Watering practices and plant health. Powell, C. Greenhouse Grower 24(4):42, 44, 46. 2006.

Weed Control

177. Control of purple nutsedge (*Cyperus rotundus*) with herbicides and mowing. Brecke, B. J., Stephenson, D. O., and Unruh, J. B. Weed Technology 19(4):809-814. 2005.

178. © Dormant season vegetation management in broadleaved transplants and direct sown ash (*Fraxinus excelsior* L.) seedlings. Willoughby, I., Dixon, F. L., and Clay, D. V. Forest Ecology and Management 222(1-3):418-426. 2006.

179. © The efficacy of pre-emergence herbicides on problem weeds in woodland regeneration. Dixon, F. L., Clay, D. V., and Willoughby, I. Crop Protection 25 (3):259-268. 2006.

180. © Germination inhibition of undesirable seed in the soil using microwave radiation. Velazquez-Marti, B., Gracia-Lopez, C., and Marzal-Domenech, A. Biosystems Engineering 93(4):365-373. 2006.

181. A history of weed control in the United States and Canada. Timmons, F. L. Weed Science 53(6):748-761. 2005.

182. Leaching and persistence of herbicides for kudzu (*Pueraria montana*) control on pine regeneration sites. Berisford, Y. C., Bush, P. B., and Taylor, J. W., Jr. Weed Science 54(2):391-400. 2006.

183. Managing weeds in the greenhouse. Senesac, A. Greenhouse Management and Production 26(2):42-46. 2006. A good strategy integrates regular scouting, good sanitation and optimal use of chemicals.

184. Research examines a new tool for control of creeping wood sorrel. Altland, J. Digger 50(7):24-28. 2006.

185. Top 10 principles for managing competing vegetation to maximize regeneration success and long-term yields. Wagner, R. G. IN: The Thin Green Line: a symposium on the state-of-the-art in reforestation, proceedings, p.32-36. S.J. Colombo, ed. Ontario Ministry of Natural Resources, Forest Research Information Paper 160. 2005. URL: http://rngr.net/Publications/tgl.

186. War of weeds Senesac, A. American Nurseryman 203(11):22-24. 2006.

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