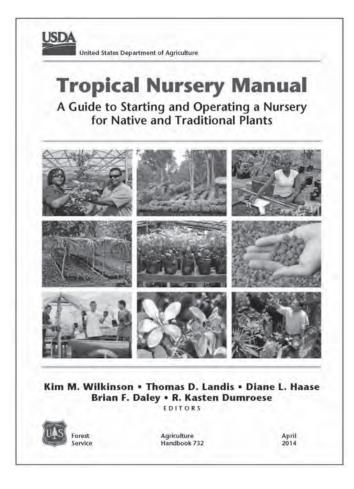


A compact disk with all the following journal articles or publications in Adobe PDF format can be ordered using the Literature Order Form on the last page of this section. Note the 2 restrictions:

1. Copyrighted Material. Items with © are copyrighted and require a fee for each copy, so we will only send you the title page and abstract. If you want the entire article, you can order copies on-line or from a library service.

2. Special Orders (SO). Special orders are books or other publications that, because of their size or cost, require special handling. For some, the Forest Service has procured copies for free distribution, but others will have to be purchased. Prices and ordering instructions are given following each listing in the New Nursery Literature section.



Wilkinson KM, Landis, TD, Haase DL, Daley BF, Dumroese RK. 2014. *Tropical Nursery Manual*—A Guide to Starting and Operating a Nursery for Native and Traditional Plants. Agriculture Handbook 732. Washington, DC: U.S. Department of Agriculture, Forest Service. 376 p.

This Tropical Nursery Manual serves people who are starting or operating a nursery for native and traditional species in the tropics. Key concepts, principles, and processes are presented, based on proven practices and the best science available. Understanding these concepts and principles will make it easier to operate a nursery successfully, and to meet project objectives in the field. Topics covered include nursery planning, plant propagation, crop production, plant care, outplanting, and ongoing learning.

This manual also recognizes that every nursery is unique. Local conditions and ingenuity, integrated with the information in this manual, combine to cultivate high-quality plants with the best chance to survive and flourish into the future.

A limited supply of hard copies are available—see page 46.

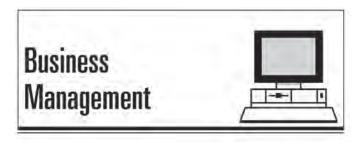


1. Growing difficult hardwoods: experiences at the George O. White State Forest Nursery. Hoss, G. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 39-41. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

2. © Growing hickories (*Carya* spp.) for roost trees: a method to support conservation of declining bat populations. Luna, T., Lindner, D. L., and Dumroese, R. K. Native Plants Journal 15(1):66-74. 2014.

3. Methyl bromide phase out could affect future reforestation efforts. Weiland, J. Western Forester 59(1):8-10. 2014.

4. Nursery lifter operation affects root growth potential of pine seedlings. Starkey, T. E. and Enebak, S. A. Tree Planters' Notes 56(2):35-42. 2013.



5. Costing delivery into the nursery pricing structure. Coslett, N. International Plant Propagators' Society, combined proceedings 2013, 62:217-220. 2014.

6. © Hiring preferences of nurseries and greenhouses in U.S. southern states. Posadas, B. C., Knight, P. R., Coker, C. E. H., and Coker, R. Y. HortTechnology 24(1):107-117. 2014.

7. Managing production risks in the nursery. Schuch, U. K. and Teegerstrom, T. International Plant Propagators' Society, combined proceedings 2013, 62:135-139. 2013.

8. A quality relationship between nurseries and foresters is imperative to successful reforestation. Haase, D. L. Western Forester 59(1):1-3. 2014. **9. Strategies for reforestation on Lone Rock Timber-lands.** Nelson, B. Western Forester 59(1):4-6. 2014.



10. © Biocontainer use in a *Petunia* x *hybrida* greenhouse production system: a cradle-to-gate carbon footprint assessment of secondary impacts. Koeser, A. K., Lovell, S. T., Petri, A. C., and Brumfield, R. G. HortScience 49(3):265-271. 2014.

11. Biodegradable pot options. Taylor, M., Evans, M. R., and Kuehny, J. S. International Plant Propagators' Society, combined proceedings 2013, 62:297-300. 2013.

12. Calculating optimum sowing factor: a tool to evaluate sowing strategies and minimize seedling production cost. van Steenis, E. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 67-71. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

13. Can growth of seed-propagated oaks be predicted before lining out in nursery rows? Harris, J. R. and Richardson-Calfee, L. E. International Plant Propagators' Society, combined proceedings 2013, 62:163. 2013.

14. © Carbon isotope discrimination, gas exchange, and growth of container-grown conifers under cyclic irrigation. Taylor, A. J., Fernandez, R. T., Nzokou, P., and Cregg, B. HortScience 48(7):848-854. 2013.

15. © Container volume and growing density influence western larch (*Larix occidentalis* Nutt.) seedling development during nursery culture and establishment. Aghai, M. M., Pinto, J. R., and Davis, A. S. New Forests 45:199-213. 2014.

16. © Effects of seed pre-soaking on the emergence and early growth of containerized Norway spruce seedlings. Himanen, K. and Nygren, M. New Forests 45:71-82. 2014.

17. © Evaluation of plantable containers for groundcover plant production and their establishment in a landscape. Nambuthiri, S. S. and Ingram, D. L. Hort-Technology 24(1):48-52. 2014. **18. Importance of water quality in container plant production.** Ruter, J. M. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 36-38. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

19. Novel methods for observing and quantifying root growth of horticultural crops. Judd, L. A., Jackson, B. E., and Fonteno, W. C. International Plant Propagators' Society, combined proceedings 2013, 62:389-394. 2013.

20. The pitfalls of container production. Bell, W. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 32-35. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

21. © **Propagation protocol for Rocky Mountain juniper** (*Juniperus scopulorum* Sarg.). Regan, D. J., Woodruff, K. J., and Davis, A. S. Native Plants Journal 14(2):85-88. 2013.

22. Root growth of horticultural crops as influenced by pine bark age, wood, and sand amendment. Yap, T. C. and Jackson, B. E. International Plant Propagators' Society, combined proceedings 2013, 62:443-446. 2013.

23. Root system architecture: the invisible trait in container longleaf pine seedlings. Sung, S.-J. S. and Dumroese, R. K. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 26-31. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

24. Trace gas emissions from nursery crop production using different fertilization methods. Marble, S. C., Prior, S. A., Runion, G. B., and Torbert, H. A. International Plant Propagators' Society, combined proceedings 2013, 62:401-405. 2013.



25. Addressing the challenges of native woodland wildflower propagation. Frett, J. International Plant Propagators' Society, combined proceedings 2013, 62:237 -241. 2013.

26. © Cultivation and hybridization alter the germination behavior of native plants used in revegetation and restoration. Schroder, R. and Prasse, R. Restoration Ecology 21(6):793-800. 2013.

27. © Effectiveness of low-cost planting techniques for improving water availability to *Olea europaea* seedlings in degraded drylands. Valdecantos, A., Fuentes, D., Smanis, A., and Llovet, J. Restoration Ecology 22(3):327-335. 2014.

28. © Evaluating habitat manipulations and rodenticides to protect seedlings from rodent damage at restored landfills in New York. Witmer, G. W. Restoration Ecology 22(2):178-184. 2014.

29. Evaluating inorganic and organic container media for growth of *Zamia pumila*. Murphy, V. and Moore, K. International Plant Propagators' Society, combined proceedings 2013, 62:169. 2013.

30. © Generalized provisional seed zones for native plants. Bower, A. D., St. Clair, J. B., and Erickson, V. Ecological Applications 24(5):913-919. 2014.

31. © Germinating and culturing axenic poison ivy seedlings. Benhase, E. B. and Jelesko, J. G. HortScience 48(12):1525-1529. 2013.

32. Germination of water sedge, *Carex aquatilis*, and cotton sedge, *Eriophorum angustifolium*, from Arctic coastal wetlands, Prudhoe Bay, Alaska. Holloway, P. S., Sparrow, S. D., and Willison, M. S. International Plant Propagators' Society, combined proceedings 2013, 62:317-320. 2013.

33. © Germination patterns of a suite of semiarid grassland forbs from central New Mexico. Pendleton, R. L. and Pendleton, B. K. Native Plants Journal 15(1):17-28. 2014.

34. © Growth and survival of seven native willow species on highly disturbed coal mine sites in eastern Canada. Mosseler, A., Major, J. E., and Labrecque, M. Canadian Journal of Forest Research 44:340-349. 2014.

35. © Herbicides can negatively affect seed performance in native plants. Wagner, V. and Nelson, C. R. Restoration Ecology 22(3):288-291. 2014.

36. © How to develop native plant communities in heavily altered ecosystems: examples from large-scale surface mining in Germany. Tischew, S., Baasch, A., Grunert, H., and Kirmer, A. Applied Vegetation Science 17:288-301. 2014.

37. © Hydroseeding improves field establishment of Nebraska sedge regardless of seed treatment. Tilley, D. J. and St. John, L. Native Plants Journal 14(2):89-94. 2013.

38. © Improving conservation through cultivation: nine container substrates influence growth of a rare cycad, *Zamia pumila*. Murphy, V., Moore, K., Griffith, M. P., and Husby, C. HortScience 48(9):1168-1172. 2013.

39. © Influence of harvest timing and storage interval on rabbitbrush seed germination, emergence, and viability. Love, Stephen L., Tripepi, R. R., and Salaiz, T. Native Plants Journal 15(2):98-108. 2014.

40. © Influence of stratification, light, and planting depth on rabbitbrush seed germination and emergence. Love, S. L., Tripepi, R. R., and Salaiz, T. Native Plants Journal 15(2):109-118. 2014.

41. © **Intelligent tinkering in ecological restoration.** Murcia, C. and Aronson, J. Restoration Ecology 22(3):279-283. 2914.

42. Milkweeds: a conservation practitioner's guide. Plant ecology, seed production methods, and habitat restoration opportunities. Borders, B. and Lee-Mader, E. The Xerces Society for Invertebrate Conservation. 156 p. 2014.

43. © Monarch waystations: propagating native plants to create travel corridors for migrating monarch butterflies. Landis, T. D. Native Plants Journal 15(1):5-16. 2014.

44. © Native plant materials directory. Native Plants Journal 14(2):120-188. 2014.

45. © A nomenclatural guide and simplified key to the squirreltail taxa. Jones, T. A. Native Plants Journal 15(1):51-55. 2014.

46. North Creek seed treatment techniques. Romero, J. International Plant Propagators' Society, combined proceedings 2013, 62:265-270. 2013.

47. Percussion as an effective seed treatment for herbaceous legumes (Fabaceae): implications for habitat restoration and agriculture. Mondoni, A., Tazzari, E. R., Zubani, L., and Orsenigo, S. Seed Science and Technology 41:175-187. 2013. **48.** © **Performance of nine Florida native wildflower species grown in varying container substrates.** Smith, A. M., Wilson, S. B., Thetford, M., and Nolan, K. L. Native Plants Journal 15(1):75-86. 2014.

49. © **Propagation for the conservation of** *Pityoposis ruthii*, an endangered species from the southeastern **United States.** Wadl, P. A., Rinehart, T. A., Dattilo, A. J., and Pistrang, M. HortScience 49(2):194-200. 2014.

50. © **Propagation protocol for early blue violet** (*Viola adunca* **Sm.** [Violaceae]). Bartow, A. Native Plants Journal 15(2):124-128. 2014.

51. © The proportion of three foundation plant species and their genotypes influence an arthropod community: restoration implications for the endangered southwestern willow flycatcher. Bangert, R., Ferrier, S. M., Evans, L., and Kennedy, K. Restoration Ecology 21(4):447-456. 2013.

52. © Reintroduction of *Castilleja levisecta*: effects of ecological similarity, source population genetics, and habitat quality. Lawrence, B. A. and Kaye, T. N. Restoration Ecology 19(2):166-176. 2011.

53. © Restoration and plant species diversity of an Eastern prairie. Tompkins, R. D. and Bridges, W. C., Jr. Native Plants Journal 14(2):101-113. 2013.

54. © **Restoring midwestern** *Viola* **species for regal fritillary butterfly recovery.** Nyberg, A. and Haley, H. Native Plants Journal 15(2):129-133. 2014.

55. © Role of temperature and moisture in the survival and seedling physiology of a Great Basin perennial. Kildisheva, O. A. and Davis, A. S. Ecological Restoration 31(4):388-394. 2013.

56. Successful restoration of severely disturbed lands: native plants and adapted seeds for reclamation. Hufford, K. M. and Mealor, R. D. University of Wyoming Extension, B-1256. 12 p. 2014.

57. © Techniques for producing native seedlings for container, bareroot (plug+1), and seed increase production including the use of Jiffy forestry pellets. Walker, K. C. Native Plants Journal 15(2):93-97. 2014.

58. © **Vegetative propagation of putatively laurel wiltresistant redbay (***Persea borbonia***).** Hughes, M. A. and Smith, J. A. Native Plants Journal 15(1):42-50. 2014.



59. © Ammonium in nutrient solutions decreases free chlorine concentration from sodium hypochlorite. Meador, D. P. and Fisher, P. R. HortScience 48(10):1304-1308. 2013.

60. © Assessing the effect of late-season fertilization on Holm oak plant quality: insights from morphonutritional characterizations and water relations parameters. Andivia, E., Fernandez, M., and Vazquez-Pique, J. New Forests 45:149-163. 2014.

61. Calcium-related plant physiological disorders. Combrink, N. J. J. International Plant Propagators' Society, combined proceedings 2013, 62:7-11. 2013.

62. © Cation uptake and allocation by red pine seedlings under cation-nutrient stress in a column growth experiment. Shi, Z., Balogh-Brunstad, Z., Grant, M., and Harsh, J. Plant and Soil 378:83-98. 2014.

63. © Contrasts in growth and nitrogen nutrition of species in the Cupressaceae and Pinaceae in response to calcium. Hawkins, B.J. and Robbins, S. Plant and Soil 380:315-325. 2014.

64. © Controlled-release fertilizer during cutting propagation affects growth and tissue nutrient concentrations of rooted cuttings of annual bedding plants. Currey, C. J. and Lopez, R. G. HortScience 49(2):152-159. 2014.

65. © Effect of biochar type on macronutrient retention and release from soilless substrate. Altland, J. E. and Locke, J. C. HortScience 48(11):1397-1402. 2013.

66. © Effective strategies to correct iron deficiency in Florida vegetable crops. Ozores-Hampton, M. Hort-Technology 23(5):548-552. 2013.

67. Effects of ammonium to nitrate ratios on substrate pH shifts during growth of *Calibrachoa* **with alkaline water.** Taylor, M. D. and Lohr, D. International Plant Propagators' Society, combined proceedings 2013, 62:301-304. 2013. **68.** © Fe-polyphosphate formulations as replacement for Fe-chelates in nutrient solutions: preliminary experiments with cucumber (*Cucumis sativus* L.) in hydroponics. Voogt, W. and Ijdo, M. Acta Horticulturae 1034:583-590. 2014.

69. Mixing a balanced nutrient solution. Combrink, N. J. J. International Plant Propagators' Society, combined proceedings 2013, 62:13-27. 2013.

70. © Nitrogen mineralization from canola meal or cottonseed meal with or without soapstock. Fine, K. E., Cole, J. C., and Penn, C. J. HortScience 48(7):891-896. 2013.

71. © Nitrogen uptake over entire root systems of tree seedlings. Hawkins, B. J., Robbins, S., and Porter, R. B. Tree Physiology 34:334-342. 2014.

72. © Organic N molecules in the soil solution: what is known, what is unknown and the path forwards. Warren, C. R. Plant and Soil 375:1019. 2014.

73. © Organic wastes as alternative to inorganic fertilizers in crop cultivation. Hernandez, T., Chocano, C., Moreno, J. L., and Garcia, C. Acta Horticulturae 1028:371-376. 2014.

74. © Positive growth response of *Pinus pinaster* seedlings in soils previously subjected to fertilization and irrigation. Ali, M. A., Louche, J., Duchemin, M., and Plassard, C. Forest Ecology and Management 318:62-70. 2014.

75. © **Sodium as nutrient and toxicant.** Kronzucker, H. J., Coskun, D., Schulze, L. M., and Wong, J. R. Plant and Soil 369:1-23. 2013.

76. © Statistical model for describing macronutrient impacts on container substrate pH over time. Barnes, J., Nelson, P., Whipker, B. E., and Dickey, D. A. Hort-Science 49(2):207-214. 2014.

77. © Uptake of zinc and phosphorus by plants is affected by zinc fertiliser material and arbuscular mycorrhizas. Watts-Williams, S. J., Turney, T. W., Patti, A. F., and Cavagnaro, T. R. Plant and Soil 376:165-175. 2014.

General and Miscellaneous



78. Black gold: Biochar could transform organic waste into an Earth-friendly, nutrient-rich resource for growers. Petersen, E. Digger 57(9):13-16. 2013.

79. Early history of tree seedling nurseries in the South. Barnett, J. P. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 42-46. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

80. Forest nursery seedling production in the United States — Fiscal year 2012. Harper, R. A., Hernandez, G., Arseneault, J., and Bryntesen, M. Tree Planters' Notes 56(2):72-75. 2013.

81. Forestry and tree planting in Iowa. Flickinger, A. Tree Planters' Notes 56(2):4-18. 2013.

82. The importance of bees in natural and agricultural ecosystems. Rhoades, P. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 77-79. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

83. © Influence of initial plant density on sawn timber properties for Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco). Rais, A., Poschenrieder, W., Pretzsch, H., and van de Kuilen, J.-W. G. Annals of Forest Science, published online 14 February 2014. 2014.

84. National proceedings: Forest and Conservation Nursery Associations - 2012. Haase, D. L., Pinto, J. R., and Wilkinson, K. M. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 124 p. 2013.

85. Tree planting in Idaho. Schnepf, C. and Davis, A. S. Tree Planters' Notes 56(2):19-26. 2013.

Genetics and Tree Improvement



86. Conserved ex situ genetic resources of eastern and Carolina hemlock: eastern North American conifers threatened by the hemlock woolly adelgid. Jetton, R. M., Whittier, W. A., Dvorak, W. S., and Rhea, J. Tree Planters' Notes 56(2):59-71. 2013.

87. Current seed orchard techniques and innovations. Miller, L. K. and DeBell, J. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 80-86. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

88. Growing assisted migration: synthesis of a climate change adaptation strategy. Williams, M. I. and Dumroese, R. K. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 90-96. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

89. © Growth and wood properties of genetically improved loblolly pine: propagation type comparison and genetic parameters. Finto, A., Schimleck, L. R., Jordan, L., and Hrnsby, B. Canadian Journal of Forest Research 44:263-272. 2014.

90. © Production of a new generation of seeds through the use of somatic clones in controlled crosses of black spruce (*Picea mariana*). Colas, F. and Lamhamedi, M. S. New Forests 45:1-20. 2014.

91. Role of climate change in reforestation and nursery practices. Williams, M. I. and Dumroese, R. K. Western Forester 59(1):11-13. 2014.

92. © **Survival and strobili production in topgrafted scions from young** *Pinus sylvestris* **seedlings**. Almqvist, C Scandinavian Journal of Forest Research 28(6):533-539. 2013.



93. © Effects of arbuscular mycorrhizal fungi on the drought tolerance of *Cyclobalanopsis glauca* seed-lings under greenhouse conditions. Zhang, Z., Zhang, J., and Huang, Y. New Forests 45:545-556. 2014.

94. © Growth characteristics of ectomycorrhizal seedlings of *Quercus glauca*, *Quercus salicina*, and *Castanopsis cuspidata* planted on acidic soil. Kayama, M. and Yamanaka, t. Trees 28:569-583. 2014.

95. © Linking agricultural practices, mycorrhizal fungi, and traits mediating plant-insect interactions. Barber, N. A., Kiers, E. T, Theis, N., and Hazzard, R. V. Ecological Applications 23(7):1519-1530. 2013.

96. © Plant growth stimulation and root colonization potential of in vivo versus in vitro arbuscular mycorrhizal inocula. Calvet, C., Camprubi, A., Perez-Hernandez, A., and Lovato, P. E. HortScience 48(7):897-901. 2013.

97. © Protozoa enhance foraging efficiency of arbuscular mycorrhizal fungi for mineral nitrogen from organic matter in soil to the benefit of host plants. Koller, R., Rodriguez, A., Robin, C., and Scheu, S. New Phytologist 199:203-211. 2013.

98. © Reclamation of an abandoned burned forest using ectomycorrhizal inoculated *Quercus rubra*. Sousa, N. R., Franco, A. R., Oliverira, R. S., and Castro, P. M. L. Forest Ecology and Management 320:50-55. 2014.

99. © Restoration of high altitude forests in an area affected by a wildfire: *Polylepis australis* Bitt. seed-lings performance after soil inoculation. Soteras, F., Renison, D., and Becerra, A. G. Trees 28:173-182. 2014.

100. © Rhizobial counts in peat inoculants vary amongst legume inoculant groups at manufacture and with storage: implications for quality standards. Herridge, D. F., Hartley, E., and Gemell, L. G. Plant and Soil 380:327-336. 2014.

101. © Root-associated fungi of healthy-looking *Pinus sylvestris* and *Picea abies* seedlings in Swedish forest nurseries. Stenstrom, E., Ndobe, N. E., Jonsson, M., and Stenlid, J. Scandinavian Journal of Forest Research 29(1):12-21. 2014.



102. © Constructing a low-cost seed moisture tester and seed dryer. Karrfalt, R. P. Native Plants Journal 14(2):95-100. 2013.

103. Designing propagation environments in forest and native plant nurseries. Landis, T. D. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 58-63. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

104. © Environmental modifications inside photoselective shadehouses. Arthurs, S. P., Stamps, R. H., and Giglia, F. F. HortScience 48(8):975-979. 2013.

105. An inexpensive vacuum system for patching up plug trays. Goldsmith, J. International Plant Propagators' Society, combined proceedings 2013, 62:143. 2013.

106. © **Supplemental lighting orientation and red-toblue ratio of light-emitting diodes for greenhouse tomato production.** Deram, P., Lefsrud, J. G., and Orsat, V. HortScience 49(4):448-452. 2014.

107. Using light emitting diodes for early development of flowering plants. Karlsson, M. International Plant Propagators' Society, combined proceedings 2013, 62:177. 2013.

108. © Wind loads on single-span plastic greenhouses and solar greenhouses. Yang, Z. Q., Li, Y. X., Xue, X. P., and Huang, C. R. HortTechnology 23(5):622-628. 2013.



109. © Allelopathic effects of *Eucalyptus* on native and introduced tree species. Chu, C., Mortimer, P. E., Wang, H., and Wang, Y. Forest Ecology and Management 323:79-84. 2014.

110. © Back to the roots: how do seedlings of native tree species react to the competition by exotic species? Kawaletz, H., Molder, I., Annighofer, P., and Terwei, A. Annals of Forest Science 71:337-347. 2014.

111. © The effect of soil scarification on *Quercus* seedling establishment within upland stands of the Northern Cumberland Plateau. Parrott, D. L., Lhotka, J. M., and Stringer, J. W. Northern Journal of Applied Forestry 30(3):125-130. 2013.

112. © Effects of nutrient loading and fertilization at planting on growth and nutrient status of Lutz spruce (*Picea* x *lutzii*) seedlings during the first growing season in Iceland. Jonsdottir, R. J., Sigurdsson, B. D., and Lindstrom, A. Scandinavian Journal of Forest Research 28(7):631-641. 2013.

113. © Effects of planting design on planted seedlings and spontaneous vegetation 16 years after establishment of forest edges. Wistrom, B. and Nielsen, A. B. New Forests 45:97-117. 2014.

114. © Effects of the time of drought occurrence within the growing season on growth and survival of *Pinus ponderosa* seedlings. Fernandez, M. E., Gyenge, J. E., Varela, S., and de Urquiza, M. Trees 28:745-756. 2014.

115. © Effects of whole-tree harvesting on growth of pine and spruce seedlings in southern Finland. Tamminen, P. and Saarsalmi, A. Scandinavian Journal of Forest Research 28(6):559-565. 2013.

116. © Growth and root development of black and white spruce planted after deep planting. Tarroux, E., DesRochers, A., and Girard, J.-P. Forest Ecology and Management 318:294-303. 2014.

117. © The influence of alternative plant propagation and stand establishment techniques on survival and growth of eastern cottonwood (*Populus deltoides* Bartr.) clones. Kaczmarek, D. J., Rousseau, R. J., Wright, J. A., and Wachelka, B. C. New Forests 45:487-506. 2014.

118. © Light transmissivity of tube shelters affects root growth and biomass allocation of Quercus ilex L. and *Pinus halepensis* Mill. Vazquez de Castro, A., Oliet, J. A., Puertolas, J., and Jacobs, D. F. Annals of Forest Science 71:91-99. 2014.

119. © Longleaf and loblolly pine seedlings respond differently to soil compaction, water content, and fertilization. Scott, D. A. and Burger, J. A. Plant and Soil 375:255-265. 2014.

120. © Planting stock type and seasonality of simulated browsing affect regeneration establishment of

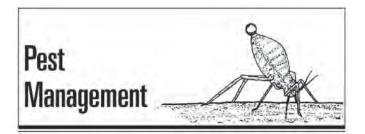
Quercus rubra. Woolery, P. O. and Jacobs, D. F. Canadian Journal of Forest Research 44:732-739. 2014.

121. Reloading mechanized tree planting devices faster using a seedling tray carousel. Ersson, B. T., Bergsten, U., and Lindroos, O. Silva Fennica 48(2):article id 1064. 14 p. 2014.

122. © Restoring riparian forests in the Missouri Ozarks. Steele, K. L., Kabrick, J. M., Dey, D. C., and Jensen, R. G. Northern Journal of Applied Forestry 30(3):109-117. 2013.

123. © The silent shareholder in deterioration of oak growth: common planting practices affect the long-term response of oaks to periodic drought. Zadworny, M., Jagodzinski, A. M., Lakomy, P., and Ufnalski, K. Forest Ecology and Management 318:133-141. 2014.

124. © Waterlogging under simulated late-winter conditions had little impact on the physiology and growth of Norway spruce seedlings. Wang, A.-F., Roitto, M., Lehto, T., and Zwiazek, J. J. Annals of Forest Science 70:781-790. 2013.



125. © Anaerobic soil disinfestation (ASD) combined with soil solarization as a methyl bromide alternative: vegetable crop performance and soil nutrient dynamics. Butler, D. M., Kokalis-Burelle, N., Albano, J. P., and McCollum, T. G. Plant and Soil 378:365-381. 2014.

126. Assessing potential hazards for *Phytophthora ramorum* establishment in Oregon nurseries. Osterbauer, N. K., Lewis, S., Hedberg, J., and McAnich, G. Journal of Environmental Horticulture 31(3):133-137. 2013.

127. Contained, but not eradicated. The war against sudden oak death in southwest Oregon forests wages on, but nursery diligence still makes a difference. Peterson, E. Digger 58(3):33-37. 2014.

128. Control of *Rhizoctonia* foliar blight in forest seedling nurseries: a 3-year study. Starkey, T. E., Enebak, S. A., McQuage, K., and Barfield, K. IN: National

Proceedings: Forest and Conservation Nursery Associations - 2012, p. 11-16. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

129. © Correlation of seedling size and branch number with disease resistance of *Pinus thunbergii* seedlings to *Bursaphelenchus xylophilus*. Hakamata, T., Kato, K., and Yamamoto, S. Forest Pathology 43:238-244. 2013.

130. © Emergence of the sudden oak death pathogen *Phytophthora ramorum*. Grunwald, N. J., Garbelotto, M., Goss, E. M., and Heungens, K. Trends in Microbiology 20(3):131-138. 2012.

131. © Field evaluation of carbon sources for anaerobic soil disinfestation in tomato and bell pepper production in Tennessee. McCarty, D. G., Inwood, S. E. E., Ownley, B. H., and Sams, C. E. HortScience 49(3):272-280. 2014.

132. © Genetic characterization of *Botrytis cinerea* isolates collected from pine and eucalyptus nurseries in Bio-Bio Region, Chile. Munoz, G. and Campos, F. Forest Pathology 43:509-512. 2013.

133. © Germination capacity of *Thekopsora areolata* aeciospores and the effect of cone rusts on seeds of *Picea abies.* Kaitera, J. and Tillman-Sutela, E. Scandinavian Journal of Forest Research 29(1):22-26. 2014.

134. The history and future of methyl bromide alternatives used in the production of forest seedlings in the southern United States. Enebak, S. A. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 20-25. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

135. In-field, rapid, portable and cost effective plant disease diagnostics. McDonald, J. International Plant Propagators' Society, combined proceedings 2013, 62:107-111. 2013.

136. © In situ production of zoospores by five species of *Phytophthora* in aqueous environments for use as inocula. Ridge, G. A., Jeffers, S. N., Bridges, W. C., Jr., White, S. A. Plant Disease 98:551-558. 2014.

137. Insects and their life cycle: steps to take to assess threats. Bray, A. M. and Oliver, J. B. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 17-19. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

138. Introduction of the microbial pesticide (Hasumon Killer) against *Spodoptera litura.* Ishikawa, H. and Endo, H. International Plant Propagators' Society, combined proceedings 2013, 62: 463-464. 2013.

139. © **IPM in-depth: a New York model for handson interactive greenhouse workshops.** Mattson, N. S., Lamb, E. M., Eshenaur, B., and Sanderson, J. HortTechnology 23(6):796-799. 2013.

140. Maintaining clean stock for propagation at EuroAmerican Propagators. Ceballos, F. International Plant Propagators' Society, combined proceedings 2013, 62:131-133. 2013.

141. © Movement of *Phytophthora* spp. in Maryland's nursery trade. Bienapfl, J. C. and Balci, Y. Plant Disease 98:134-144. 2014.

142. Pheromones for monitoring and control of pests of woody ornamentals. Cross, J. V., Fountain, M. T., Hall, D. R., and Farman, D. I. International Plant Propagators' Society, combined proceedings 2013, 62:193-199. 2013.

143. Phytosanitation: a systematic approach to disease prevention. Landis, T. D. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 97-101. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

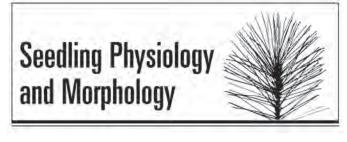
144. Proceedings of the sudden oak death fifth science symposium. Frankel, S. J., Kliejunas, J. T., Palmieri, K. M., and Alexander, J. M. USDA Forest Service, Pacific Southwest Research Station, General Technical Report PSW-GTR-243. 208 p. Held June 19-22, 2012. 2013.

145. Protecting pollinators: Growers, scientists and government agencies seek ways to safeguard bees. Szymczak, P. Digger 58(6):19-21. 2014.

146. © Pythium species and isolate diversity influence inhibition by the biological control agent *Streptomyces lydicus*. Weiland, J. E. Plant Disease 98:653-659. 2014.

147. © Retention of the soil fumigant dimethyl disulfide by virtually and totally impermeable film mulches. McAvoy, T. P. and Freeman, J. H. HortScience 48(9):1154-1158. 2013.

148. Taking the soft approach to pest and disease management -- does it work? Durham, M. International Plant Propagators' Society, combined proceedings 2013, 62:75-77. 2013.



149. Antitranspirant effects on water use efficiency in *Impatiens*. Cochran, D. R., Harkess, R. L., Knight, P. R., and Blythe, E. K. International Plant Propagators' Society, combined proceedings 2013, 62:423-428. 2013.

150. © Carbon dynamics of eucalypt seedlings exposed to progressive drought in elevated [CO₂] and elevated temperature. Duan, H., Amthor, J. S., Duursma, R. A., and O'Grady, A. P. Tree Physiology 33:779-792. 2013.

151. © Cause-effect relationship among morphological adaptations, growth, and gas exchange response of pedunculate oak seedlings to waterlogging. Tatin-Froux, F., Capelli, N., and Parelle, J. Annals of Forest Science 71:363-369. 2014.

152. Chilling hours: myths and facts. South, D. B. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 3-10. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

153. © Development-specific responses to drought stress in Aleppo pine (*Pinus halepensis* Mill.) seed-lings. Alexou, M. Tree Physiology 33:1030-1042. 2013.

154. © Growth responses of ornamental annual seedlings under different wavelengths of red light provided by light-emitting diodes. Wollaeger, H. M. and Runkle, E. S. HortScience 48(12):1478-1483. 2013.

155. © Internal hydraulic redistribution prevents the loss of root conductivity during drought. Prieto, I. and Ryel, R. J. Tree Physiology 34:39-48. 2014.

156. A moderate to high red to far-red light ratio from light-emitting diodes controls flowering of short-day plants. Craig, D. S. and Runkle, E. S. Journal of the American Society for Horticultural Sciences 138(3):167-172. 2013.

157. © Old roots contribute to nitrogen uptake by tree seedlings. Nasholm, T. Tree Physiology 34:331-333. 2014.

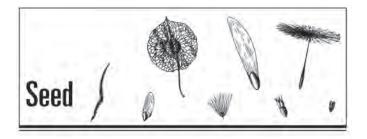
158. © Organic nitrogen uptake of Scots pine seedlings is independent of current carbohydrate supply. Gruffman, L., Palmroth, S., and Nasholm, T. Tree Physiology 33:590-600. 2013.

159. © Photoperiod and temperature responses of bud swelling and bud burst in four temperate forest tree species. Basler, D. and Korner, C. Tree Physiology 34:377-388. 2014.

160. © Plant nitrogen status and co-occurrence of organic and inorganic nitrogen sources influence root uptake by Scots pine seedlings. Gruffman, L., Jamtgard, S., and Nasholm, T. Tree Physiology 34:205-213. 2014.

161. © Planting density affects growth and water-use efficiency depending on site in *Populus deltoides* x. *P. nigra*. Toillon, J., Fichot, R., Dalle, E., and Berthelot, A. Forest Ecology and Management 304:345-354. 2013.

162. © The role of developmental stage in frost tolerance of *Pinus pinea* L. seedlings and saplings. Pardos, M., Climent, J., Almeida, H., and Calama, R. Annals of Forest Science online 14 February 2014. 2014.



163. Advanced techniques to prepare seed to sow. Karrfalt, R. P. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 64-66. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

164. © Carbonylated proteins accumulated as vitality decreases during long-term storage of beech (*Fagus sylvatica* L.) seeds. Kalemba, E. M. and Pukacka, S. Trees 28:503-515. 2014.

165. Climate change and the future of seed zones. Kilkenny, F., St. Clair, B., and Horning, M. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 87-89. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013. **166.** © Ecophysiological variables influencing Aleppo pine seed and cone production: a review. Ayari, A. and Khouja, M. L. Tree Physiology 34:426-437. 2013.

167. Germination trials for Asian and North American ash species. French, D. and Meilan, R. Tree Planters' Notes 56(2):27-34. 2013.

168. The importance of good seed. Karrfalt, R. P. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 49-52. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

169. Lengthened cold stratification improves bulk whitebark pine germination. Robertson, N., Eggleston, K., Overton, E., and McLaughlin, M. IN: National Proceedings: Forest and Conservation Nursery Associations - 2012, p. 72-76. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-69. 2013.

170. © **Optimal seed content and storage temperature for preservation of** *Populus nigra* **L. germplasm.** Suszka, J., Plitta, B. P., Michalak, M., and Bujarska-Borkowska, B. Annals of Forest Science 71:543-549. 2014.

171. Resolving western white pine seed germination differences between lab testing protocols and operational greenhouse protocols at Webster Nursery. deGraan, J., Johnson, B., Pickens, S., and Gould, P. Tree Planters' Notes 56(2):50-58. 2013.

172. The role of moist-chilling and thermo-priming on the germination characteristics of white spruce (*Picea glauca*) seed. Liu, Y., Kermode, A., and El-Kassaby, Y. A. Seed Science and Technology 41:321-335. 2013.

173. © Roles of gibberellin and auxin in promoting seed germination and seedling vigor in *Pinus massoniana*. Guangwu, Z. and Xuwen, J. Forest Science 60(2):367-373. 2014.

174. Seed dormancy: give your seeds a wake-up call! Geneve, R. L. International Plant Propagators' Society, combined proceedings 2013, 62:243-249. 2013.

175. Seed dormancy mechanism and dormancy breaking techniques for *Cornus kousa* var. *chinensis.* Fu, X. X., Liu, H. N., Zhou, X. D., and Shang, X. L. Seed Science and Technology 41:458-463. 2013.

176. © Seed washing, exogenous application of gibberellic acid, and cold stratification enhance the germination of sweet cherry (*Prunus avium* L.) seed. Javanmard, T., Zamani, Z., Afshar, R. K., and Hashemi, M. Journal of Horticultural Science and Biotechnology 89(1):74-78. 2014.

177. A water activity-regulated dryer: how to dry seeds or pollen with water and no heat. Baldet, P. and Colas, F. Tree Planters' Notes 56(2):43-49. 2013.



178. Agricultural composting and water quality. Brewer, L., Andrews, N., Sullivan, D., and Gehr, W. Oregon State University, Extension Service, EM 9053. 29 p. 2013.

179. © Carbon dynamics after afforestation of semiarid shrublands: implications of site preparation techniques. Garcia-Franco, N., Wiesmeier, M., Goberna, M., and Martinez-Mena, M. Forest Ecology and Management 319:107-115. 2014.

180. A comparison of distilled cedar, perlite, and rice hulls as substrate components in the production of greenhouse-grown annuals. Vandiver, T. A., Fain, G. B., Gilliam, C. H., and Sibley, J. L. International Plant Propagators' Society, combined proceedings 2013, 62:395-400. 2013.

181. Eastern red cedar as an amendment to pine bark in the production of ornamental species. Edwards, L., Gilliam, C. H., Fain, G. B., and Sibley, J. L. International Plant Propagators' Society, combined proceedings 2013, 62:429-432. 2013.

182. Effects on growth of plants by the soil conditioner FFC-Ace. Icikawa, K. and Fujimori, T. International Plant Propagators' Society, combined proceedings 2013, 62:459-463. 2013.

183. © Estimation of hydraulic properties of growing media with a one-step outflow technique. Bobboamo, C., Campiotti, C. A., and Incrocci, L. Acta Horticul-turae 1034:319-326. 2014.

184. © Hydration efficiency of traditional and alternative greenhouse substrate components. Fields, J. S., Fonteno, W. C., and Jackson, B. E. HortScience 49(3):336-342. 2014.

185. Pine bark physical properties influenced by bark source and age. Fields, J. S., Jackson, B. E., and Fonteno, W. C. International Plant Propagators' Society, combined proceedings 2013, 62:433-437. 2013.

186. Pine wood chips as an alternative to perlite: cultural parameters to consider. Owen, W. G., Jakcson, B. E., Fonteno, W. C., and Whipker, B. E. International Plant Propagators' Society, combined proceedings 2013, 62:345-349. 2013.

187. Processed *Eucalyptus* trees as a substrate component for greenhouse crop production. Witcher, A. L., Fain, G. B., and Adamczyk, J. J., Jr. International Plant Propagators' Society, combined proceedings 2013, 62:417-421. 2013.

188. © **Producing growing media responsibly to help sustain horticulture.** Schmilewski, G. Acta Horticulturae 1034:299-306. 2014.

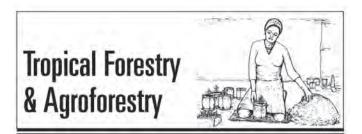
189. © **Resilience of growing media.** Khalil, S. Acta Horticulturae 1034:371-378. 2014.

190. Restoration of soil function requires plants, arbuscular mycorrhizal fungi and organic matter. Daynes, C. N., Field, D. J., Saleeba, J. A., and Cole, M. A. Anadolu J. Agric. Sci 25(S-1):16-19. 2010.

191. A review of the potential benefits of growing container nursery stock in peat-free media. Rainbow, A. International Plant Propagators' Society, combined proceedings 2013, 62:207-208. 2013.

192. State of the growing media 2014: Growers reveal spending, sourcing, and component trends. Jancsurak, J. Greenhouse Management June 2014, 11 p. 2014.

193. Towards sustainable growing media: the work of the U.K.'s Sustainable Growing Media Task Force. Dawson, C. International Plant Propagators' Society, combined proceedings 2013, 62: 205-206. 2013.



194. © Container and germinating media for palmyra palm seedling. Dangpium, N., Tayamanont, P Thipmuangprom S., and Poolperm, N. Acta Horticulturae 1024:223-226. 2014.

195. Cycad seed germination. Anderson, E. International Plant Propagators' Society, combined proceedings 2013, 62:121-122. 2013.

196. Early performance of 23 Dipterocarp species planted in logged-over rainforest. Widiyatno, S., Naiem, M., Purnomo, S., and Setiyanto, P. E. Journal of Tropical Forest Science 26(2):259-266. 2014.

197. © A generic method for climate change impact analysis of tree species planting domains. Booth, T. H., Jovanovic, T., and Harwood, C. E. New Forests 45:507-522. 2014.

198. Genetic structure and genetic diversity of *Swietenia macrophylla* (Meliaceae): implications for sustainable forest management in Mexico. Alcala, R. E., Salazar, H., Gutierrez-Granados, G., and Snook, L. K. Journal of Tropical Forest Science 26(1):142-152. 2014.

199. © Growth and ionic relations of soursop seedlings as influenced by substrate pH. Marler, T. E. Acta Horticulturae 1024:257-260. 2014.

200. © Growth performance of sixty tree species in smallholder reforestation trials on Leyte, Philippines. Schneider, T., Ashton, M. S., Montagnini, F., and Milan, P. P. New Forests 45:83-96. 2014.

201. Improving seed germination of four savannawoodland species: effects of fire-related cues and prolonged soaking in sulphuric acid. Dayamba, S. D. and Santi, S. Savadogo P. Journal of Tropical Forest Science 26(1):16-21. 2014.

202. © Increasing fluctuations of soil salinity affect seedling growth performances and physiology in three neotropical mangrove species. Bompy, F., Lequeue, G., Imbert, D., and Dulormne, M. Plant and Soil 380:399-413. 2014.

203. Organ-coordinated response of early postgermination mahogany seedlings to drought. Horta, L. P., Braga, M. R., Lemos-Filho, J. P., and Modolo, L. V. Tree Physiology 34(4):355-366. 2014.

204. © **Responses of papaya seedlings to water stress.** Bunya-atichart, K., Phuwajerernporn, S., and Montri, N. Acta Horticulturae 1022:97-104. 2014. **205.** © Restoring tropical dry forest communities: effects of habitat management and outplantings on composition and structure. Brooks, W. R. and Jordan, R. C. Restoration Ecology 22(2):160-168. 2014.

206. © Studies on the propagation of Jamaican ackee (*Blighia sapida* L.) by air-layering. Maurya, R. P., Lewis, D. M., and Chandler, J. St. A. HortScience 48(10):1298-1300. 2013.

207. (Special Order). Tropical nursery manual: a guide to starting and operating a nursery for native and traditional plants. Wilkinson, K. M., Landis, T. D., Haase, D. L., Daley, B. F., and Dumroese, R. K. USDA Forest Service, Agricultural Handbook 732. 376 p. 2014. **See page 46 for ordering information.**



208. © Adventitious root formation of Japanese cedar (*Cryptomeria japonica* D. Don) cuttings is stimulated by soaking basal portion of cuttings in warmed water while cooling their apical portion. Shibuya, T., Taniguchi, T., Tsukuda, S., and Shiozaki, S. New Forests 45:589-602. 2014.

209. Bringing the art and science of cutting propagation back to the bench. Maynard, B. International Plant Propagators' Society, combined proceedings 2013, 62:249-253. 2013.

210. © Cloning mature holm oak trees by somatic embryogenesis. Barra-Jimenez, A., Blasco, M., Ruiz-Galea, M., and Celestino, C. Trees 28:657-667. 2014.

211. Current options for using auxin solutions in cutting propagation. Blythe, E. K. International Plant Propagators' Society, combined proceedings 2013, 62:341-343. 2013.

212. Cutting propagation of *Juniperus osteosperma* (Utah juniper). Cope, K. R. and Rupp, L. A. International Plant Propagators' Society, combined proceedings 2013, 62:157-159. 2013.

213. © Improving plantlet yield in *Pinus pinaster* somatic embryogenesis. Alvarez, J. M., Bueno, N., Cortizo, M., and Ordas, R. J. Scandinavian Journal of Forest Research 28(7):613-620. 2013.

214. © Induction of green ash embryogenic cultures with potential for scalable somatic embryo production using suspension culture. Li, D., Zhang, J., and Merkle, S. A. Trees 28:253-262. 2014.

215. Methods and tips to use aqueous (water-based) **IBA rooting solutions.** Kroin, J. International Plant Propagators' Society, combined proceedings 2013, 62:165-168. 2013.

216. Mound layering of selected *Acer saccharum* **subsp.** *grandidentatum* **accessions.** Rupp, L. A., Anderson, R., and Richards, M. International Plant Propagators' Society, combined proceedings 2013, 62:171-173. 2013.

217. Nuggets of knowledge - thickening agent for auxin solutions. Blythe, E. K. International Plant Propagators' Society, combined proceedings 2013, 62:141. 2013.

218. © Pine somatic embryogenesis: analyses of seed tissue and medium to improve protocol development. Pullman, G. S. and Bucalo, K. New Forests 45:353-377. 2014.

219. © **Propagating native Salicaceae for afforestation and restoration in New York City's five boroughs.** Zalesny, R. S., Jr., Hallett, R. A., Falxa-Raymond, N., and Wiese, A. H. Native Plants Journal 15(1):29-41. 2013.

220. © **Propagation of four underused native species from softwood cuttings.** Cartabiano, J. A. and Lubell, J. D. HortScience 48(8):1018-1020. 2013.

221. Propagation of sparkleberry (*Vaccinium arboreum*) **improved via cutting type.** Bowerman, J. R., Spiers, J. D., Coneva, E., and Tilt, K. M. International Plant Propagators' Society, combined proceedings 2013, 62:385-388. 2013.

222. © Regeneration of plants from *Fraxinus nigra* Marsh. hypocotyls. Beasley, R. R. and Pijut, P. M. Hort-Science 48(7):887-890. 2013.

223. Rooted cuttings: a novel approach to producing plants. Barnes, H. W. International Plant Propagators' Society, combined proceedings 2013, 62:281-283. 2013.

224. © The rooting of poplar cuttings: a review. Zhao, X., Zheng, H., Li, S., and Yang, C. New Forests 45:21-34. 2014.

225. © Somatic embryogenesis in *Pinus halepensis* Mill.: an important ecological species from the Mediterranean forest. Montalban, I. A., Setien-Olarra, A., and Hargreaves, C. L. Moncalean P. Trees 27:1339-1351. 2013.

226. © Stem cutting propagation in whole pine tree substrates. Witcher, A. L., Blythe, E. K., Fain, G. B., and Curry, K. J. HortTechnology 24(1):30-37. 2014.

227. © Vegetative propagation of *Juniperus osteosperma* (Utah juniper) by cuttings. Cope, K. R. and Rupp, L. A. Native Plants Journal 14(2):76-84. 2013.



228. © Advancing wireless sensor networks for irrigation management of ornamental crops: an overview. Lea-Cox, J. D., Bauerle, W. L., van Iersel, M. W., and Kantor, G. F. HortTechnology 23(6):717-724. 2013.

229. © Assessment of subirrigation performance in *Eucalyptus* seedling production. Ribeiro, M. D., Ferrarezi, R. S., and Testezlaf, R. HortTechnology 24(2):231-237. 2014.

230. Auditing and modelling water usage in your nursery. Cliffe, D. International Plant Propagators' Society, combined proceedings 2013, 62:37-39. 2013.

231. Comparing substrate moisture-based daily water use and on-demand irrigation regimes for oakleaf hydrangea plants grown in two container sizes. Hagen, E., Nambuthiri, S., Fulcher, A., and Geneve, R. International Plant Propagators' Society, combined proceedings 2013, 62:161. 2013.

232. © Costs and benefits of implementing sensorcontrolled irrigation in a commercial pot-in-pot container nursery. Belayneh, B. E., Lea-Cox, J. D., and Lichtenberg, E. HortTechnology 23(6):760-769. 2013.

233. © Effects of irrigation duration and fertilizer rate on plant growth, substrate solution EC and leaching volume. Bayer, A., Whitaker, K., Chappell, M.,

and Ruter, J. Acta Horticulturae 1034:477-484. 2014.

234. © Environmental benefits of wireless sensorbased irrigation networks: cases-study projections and potential adoption rates. Majsztrik, J. C., Price, E. W., and King, D. M. HortTechnology 23(6):783-793. 2013.

235. © Evaluation of technologies for purification of greenhouse horticultural discharge water. van Ruijven, J. P. M., van Os, M., van der Staaij, M., and Beerling, E. A. M. Acta Horticulturae 1034:133-140. 2014.

236. Factors affecting the irrigation requirement or container-grown ornamentals. Million, J. B. and Yeager, T. H. International Plant Propagators' Society, combined proceedings 2013, 62:335-340. 2013.

237. Fog or mist - where to use. Percy, R. International Plant Propagators' Society, combined proceedings 2013, 62:97-106. 2013.

238. © Good irrigation water on propagation companies to avoid emission of nutrients and crop protection agents. van der Maas, A. A., Ijdo, M., Blok, C., and van Marrewijk, I. Acta Horticulturae 1034:117-124. 2014.

239. © Implementation of wireless sensor networks for irrigation control in three container nurseries. Chappell, M., Dove, S. K., van Iersel, M. W., and Thomas, P. A. HortTechnology 23(6):747-753. 2013.

240. Latest technology in irrigation management in nursery production. McDonald, J. and Hart, S. International Plant Propagators' Society, combined proceedings 2013, 62:89-93. 2013.

241. © Ornamental grower perceptions of wireless irrigation sensor networks: results from a national survey. Majsztrik, J., Lichtenberg, E., and Saavoss, M. HortTechnology 23(6):775-782. 2013.

242. © Recent trends in salinity control for soilless growing systems management. Katsoulas, N. and Voogt, W. Acta Horticulturae 1034:433-442. 2014.

243. Using leaching fractions to maximize irrigation efficiency. Stanley, J. International Plant Propagators' Society, combined proceedings 2013, 62:331-334. 2013.

244. Water management using polysaccharide-based products in growing media for container plant production. Horgan, A. International Plant Propagators' Society, combined proceedings 2013, 62:189-191. 2013. 245. © Water quality regulations in the Chesapeake Bay: working to more precisely estimate nutrient loading rates and incentivize best management practices in the nursery and greenhouse industry. Majsztrik, J. C. and Lea-Cox, J. D. HortScience 48(9):1097-1102. 2013.

246. © Wetland technologies for nursery and greenhouse compliance with nutrient regulations. White, S. A. HortScience 48(9):1103-1108. 2013.



247. Controlling weeds in the field. Peachey, E. and Benson, S. American Nurseryman April 2014, p. 12-14, 16, 18. 2014.

248. Efficacy of preemergence and postemergence herbicides for controlling common purslane. Proctor, C. A. and Reicher, Z. J. HortScience 48(7):902-905. 2013.

249. From liverwort to spurge -- an update on weed management. Derr, J. International Plant Propagators' Society, combined proceedings 2013, 62:357-360. 2013.

250. © Growth stage affects response of selected weed species to flaming. Knezevic, S. Z.; Stepanovic, S., and Datta, A. Weed Technology 28:233-242. 2014.

251. © Integrating weed and vegetable crop management with multifunctional air-propelled abrasive grits. Wortman, S. E. Weed Technology 28:243-252. 2014.

252. © Large spruce seedling responses to the interacting effects of vegetation zone, competing vegetation dominance and year of mechanical release. Thiffault, N., Hebert, F., Charette, L., and Jobidon, R. Forestry 87:153-164. 2014.

253. Liverwort control in propagation systems: what we've learned. Joeright, D. International Plant Propagators' Society, combined proceedings 2013, 62:271-278. 2013.

254. Nasty nostoc: researchers explore treatments for this slime-like bacterium, which causes headaches in nursery production. Stoven, H. and Parke, J. Digger 58(6):25-29. 2014.

255. © Purple nutsedge control with ally isothiocyanate under virtually impermeable film mulch. Bangarwa, S. K. and Norsworthy, J. K. Weed Technology 28:200-205. 2014.

256. © Response of seven weed species to corn gluten meal and white mustard (*Sinapis alba*) seed meal rates. Yu, J. and Morishita, D. W. Weed Technology 28:259-265. 2014.