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SO. Suppliers of Beneficial Organisms of North America. 1997. Hunter, C. D. Sacramento, CA: California Environmental Protection Agency. Environmental Monitoring and Pest Management Branch. 32 p.

This 1994 edition lists the commercial suppliers of over 120 different insects, mites and other multi-celled organ-**isms (Figure 12)** that are used for biological control in the US, Canada, and Mexico. Note that single-celled organisms such as bacteria and fungi are defined and regulated as pesticides by the United States Environmental Protection Agency and are not included in this directory. The 1997 edition will be available in March but, in the meantime, a copy of the 1994 edition can be viewed on the World Wide Web on the following homepage: http:// www.cdpr.ca.gov/docs/dprdocs/goodbug/organism.htm

Order from: California Environmental Protection Agency
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Sacramento, CA 95814-5604
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E-mail: chunter@cdpr.ca.gov

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Figure 12. Encarsia formosa *is a wasp that is used for biological control of the greenhouse whitefly (drawing by Linda Heath Clark from Hunter 1994)*

SO. Black spruce cutting propagation at the Pépinière de Saint-Modeste. Tousignant, D.; Périnet, P.; Rioux, M. 1996. Saint-Modeste, QC: Ministère s Ressources Naturalles, Pépinière de Saint-Modeste. 38 p. (Also available in the original French version)

This spiral-bound report does an excellent job of describing an innovative propagation system for producing stecklings (rooted cuttings) of genetically-improved black spruce. The Saint-Modeste nursery has developed the Bouturathéque production system in which cuttings are collected year-round from greenhouse-grown stock plants and rooted in containers within special lighted rack propagation structures. After the cuttings are rooted, they are acclimated in conventional greenhouses, transplanted into larger containers or bareroot beds where they grow to shippable size in two or more years. This publication is well-illustrated with excellent graphics and color photographs.

Order from: Pépinière de Saint-Modeste.
Ministère des Ressources naturalles
410, rue Principale
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Tel: 418-862-5511
Fax: 418-862-0564
E-mail: dtstmod@icrdl.net

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SO. Propagation of Pacific Northwest Native Plants: a Manual, Volume Two. Rose, R.; Chachulski, C.E.C.; Haase, D. L. 1996. Corvallis, OR: Oregon State University, Nursery Technology Cooperative. 73 p.

The first publication in this 3-part series was announced in the July, 1996 issue of FNN. This second volume lists biological descriptions and both seed and vegetative propagation methods for 40 more native plants from sedges to small trees, as well as a glossary of propagation terms. The authors are still collecting information for the third and final volume which will be completed early next year. Then, all this information will be updated, compiled, and republished as a single book.

Order from: Forestry Publications Office
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SO. A **Guide to the Biology and Use of Forest Tree Seeds.** Leadem, C. L. 1996. Land Management Handbook 30. Victoria, BC: British Columbia Ministry of Forests, Research Branch. 21 p.

This softbound publication begins with an examination of the basic principles of tree seed biology and then discusses how to practically apply this information in nurseries. The text is well-written and handsomely illustrated with both B/W photographs and line drawings; for example, the relatively new stratification-redry technique is compared to traditional stratification and a control **(Figure 13).** Although oriented to Pacific Northwest tree species, these basic principles will be useful to both nursery workers and reforestation specialists in other regions.

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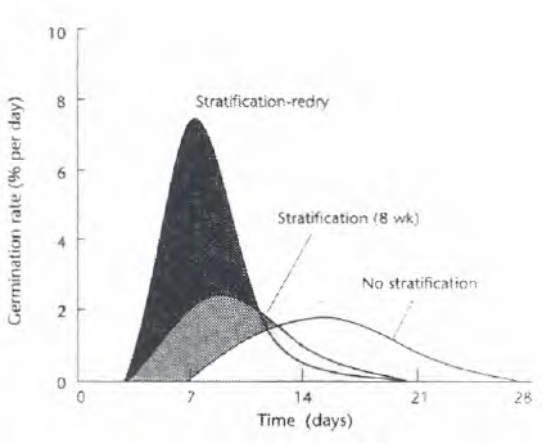

Figure 13. The stratification-redry technique resulted in significantly faster germination of these Abies amabilis *seed compared to the traditional cold-wet stratification (Leadem 1996)*

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2. Copyrighted Material. Items with © are copyrighted and require a fee for each copy, so only the title page and abstract will be provided through this service. If subscribers desire the entire article, they can order a copy from another library service (see above address).

A. **National Proceedings, Forest and Conservation Nursery Associations.** Landis, T.D.; South, D.B., tech. coords. 1996. Gen. Tech. Rep. PNW-GTR-389. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 282 p.

This proceedings is a compilation of 51 papers which were presented at the regional meetings of the forest and conservation nursery associations in the United States in 1996. The Southern Nursery Association meetings was held in Salem, OR on June 25-27, 1996; the Northeastern Forest Nursery Association Conference was held in New England, CT on August 19-22, 1996; and the Western Forest and Conservation Nursery Association meeting was held in Salem, OR, on August 20-22, 1996. The subject matter ranges from seed collection and processing, through nursery cultural practices, to harvesting, storage, and outplanting.

Bareroot Production

Bottom-kind hardwoods for today's market. Rentz, R. IN: National proceedings, Forest and Conservation Nursery Associations, p. 38-40. Landis, T.D. and South, D.B., tech. coords. USDA Forest Service, Pacific Northwest Research Station, General Technical Report PNW-GTR-389. 1996.

2. *Cultural practices to improve survival and growth of loblolly and white pine seedlings.* Dierauf, T. IN: National proceedings, Forest and Conservation Nursery Associations, p. 53-58. Landis, T.D. and South, D.B.. tech. coords. USDA Forest Service, Pacific Northwest Research Station, General Technical Report PNW-GTR-389. 1996.

3. *The effect of irrigation and root pruning on the growth of sycamore (Acer pseudoplatanus) seedlings in nursery beds and after transplantation.* Hipps, N. A.; Higgs, K. H.; Collard, L. G. Journal of Horticultural Science 71(5):819-828. 1996.

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