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Pacific Northwest
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State and Private Forestry

Cooperative Programs

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Forest Nursery Notes:

A News & Literature Service



January 2000

A Holiday Wish

May Wonders of Nature Please Your Eyes,
And Enrich Your Lives



*Forest Nursery Notes is a
Technology Transfer Service of the
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*Tom D Landis, Author & Editor
USDA Forest Service
Cooperative Programs
2606 Old Stage Road
Central Point, OR 97502
TEL: 541.858.6166
FAX: 541.858.6110
E-MAIL: nurseries@aol.com*

Rae Watson: Layout

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I hope that you all had a happy and healthy holiday season. . Regardless of your religious beliefs, this is a special time of year. Christmas is a celebration of renewal and rejuvenation and a new year, not to mention new millennium, is an excellent time for personal reflection. Use this opportunity to give thanks that we work in a profession that has such a positive effect on our world!

Speaking of new beginnings, I am getting settled in my office here at the J. Herbert Stone nursery in southern Oregon. This relocation means changes such as new computer software and training new people. Then, there are the federal government purchasing restrictions and the mandate to use the Government Printing Office for all publishing. Needless to say, it's going to be a challenge so I'm going by the KISS principle (Keep It Simple, Stupid). By the next issue, everything should be in place and we will. be able to use publishing software to make FNN look more polished.

Nursery Networks

Directories on the Reforestation, Nurseries, and Genetic Resources (RNGR) home page - One of the objectives of FNN is to promote networking, and so we maintain several different directories on our website. *Note that you do not have to use the "www" prefix in the following address!*

<<<http://willow.ncfes.umn.edu/snti/pubs/direchp.htm>>>

- **Directory of Forest and Conservation Nurseries** - This directory is organized by state and contains the latest addresses and production information for forest and conservation nurseries on a state-by-state basis. For those nurseries that have them, links to E-mail addresses and WWW home pages are also provided. Ownership category, type of nursery (container or bareroot), and current and potential seedling distribution are included. One recent addition is a link to the web site for nurseries in Canada. By its very nature, directory information is constantly changing and keeping them current is a challenge so we need your help. Telephone area codes are particularly hard to keep current so send us your latest address and production information.
- **Commercial Suppliers of Tree and Shrub Seed in the United States** - This directory provides a list of vendors of tree and shrub seed for the US. The directory starts with some basic information on seed quality and other considerations and then is followed by addresses and telephone and fax numbers. Services supplied by each vendor is also included along with an alphabetical list of all the tree and shrub seed sold in the US and common plant names. Again, much of this information is already out-of date so please let us know if there are changes or additions.
- **Forest and Conservation Nursery People** - We are still in the process of replacing the current listing with an alphabetical listing of the FNN mailing list which contains over 1,600 listings of people who work in the forest and conservation nursery field from around the world. We recently sent around a letter asking for corrections to the mailing list, and we also incorporate the information you submit on the Literature Order Form in each FNN issue. So, if you'd like to be added to the directory or just update your listing just fill out and return the Form in the back of this issue. Eventually, we will make it possible to download the MS Excel file from our home page.

Canadian Nursery Directory - The "Canadian Reforestation Grower's Guide" is a comprehensive directory of forest tree nurseries, nursery services, and nursery organizations that has just been published by the LUSTR Co-op in Thunder Bay, Ontario. In the nursery section, the names, addresses, phone and FAX numbers, and Email addresses are listed by province along with their products and services. The next section contains the same information for private seed companies and government seed centers. Other listings include forest nursery consultants extension offices, analytical services, nursery cooperatives, and research centers. The last section features nursery equipment and supplies. Although primarily designed as a resource for Co-op members, additional copies of the directory will soon be for sale. For more information, contact:

Karen Watt
LUSTR Co-op
TEL: 807.343.8313
FAX: 807.343.8116
E-mail: lustr@flash.lakeheadu.ca

SPRING 2000

Native Plants JOURNAL



WILD BUCKWHEAT SEED GERMINATION •
UTAH'S GOLDENROD • HERCULES AND WARM
SEASON GRASS ESTABLISHMENT • FIRE
PRODUCTION • SMOKE TREATMENT FOR SEEDS

Native Plants Journal—Inaugural Issue in Spring 2000

Native Plants Journal is a new journal partnering the USDA Forest Service and the University of Idaho Research Nursery. The editors envision *Native Plants Journal* as being the source for timely, practical information on native plants for nursery and land managers alike. The eclectic format will be sound, refereed science presented in a conversational manner. Articles will feature practical implications to growers and planters of native plants, as well as technical tips, general articles, new gizmos and gadgets, etc. written by professionals working in the field.

I hope you'll take the opportunity to read *Native Plants Journal*, and then contribute your experience by authoring an article, or at least suggesting a topic. Please let me know what you think of the journal and how it can be improved, and tell your friends and coworkers about the journal.

Kas Dumroese, Editor-In-Chief

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- Meehania cordata*: A Great Ground Cover for the Landscape
- Seed and Seedling Production of Blue Wild-Rye
- Ecology and Conservation Biology of the Endangered Plant Species *Solidago shortii*
- The Longleaf Pine Ecosystem of the South
- Wiregrass Propagation at the Andrews Nursery in Florida
- Growing Longleaf Pine Seedlings in Containers
- Homemade Dibble Facilitates Planting Willow and Cottonwood Cuttings
- Native Warm-Season Grass and Forb Establishment Using Imazapic and 2, 4-D

To receive complimentary copies of the first 2 issues, go to the website, <http://www.uidaho.edu/nativeplants>, or contact Kas Dumroese, Forest Research Nursery, University of Idaho, Moscow, ID 83844-1137. TEL: 208.885.3509, E-mail: dumroese@uidaho.edu

Nursery Meetings

"Tomorrow's Forests: Learning from the Past, Looking to the Future" will be the theme of the **LUSTR Co-op Annual Meeting and Workshop** which will be held at the Victoria Inn in Thunder Bay, Ontario, CANADA on **January 24 to 26, 2000**. The agenda contains many interesting nursery and reforestation topics. For the latest information, you can contact:

Karen Watt
LUSTR Co-op
TEL: 807.343.8313
FAX: 807.343.8116
E-mail: lustr@flash.lakeheadu.ca

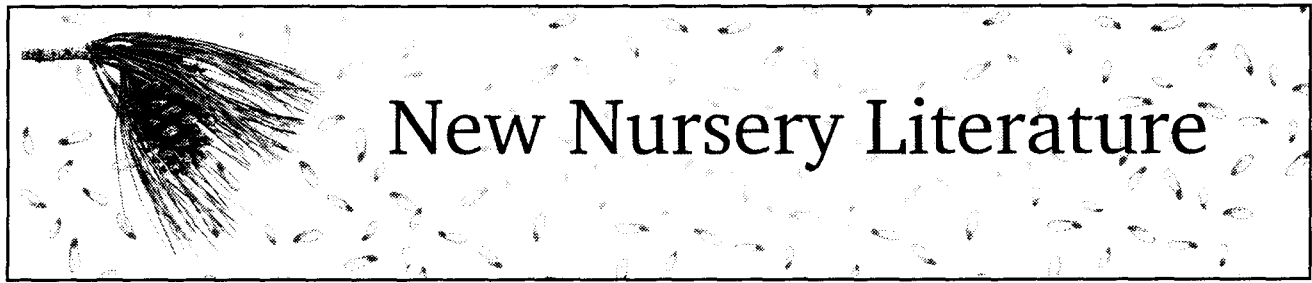
The **Southern Forest Nursery Association (SFNA) Conference** will be held on **June 26 to 29, 2000** at the Adam's Mark Hotel in the historic district of Mobile, Alabama. The technical agenda will feature a variety of technical subjects including the Food Quality Protection Act, herbicides, mycorrhizae, nursery software and longleaf pine culture. Besides the technical sessions, we will be touring the E.A. Hauss Nursery in Atmore and the Nielson Seed Processing Company in Evergreen, AL. A dinner party aboard the paddleboat Cotton Blossom in Mobile Bay is also planned. Registration packets will be mailed out in April with conference details. In the meantime, if you would like more information, you can contact:

Mildred Owens, Registration Coordinator
PO Box 82
Samson, AL 36477
TEL: 334.898.7013
FAX: 334.898.1149
E-mail: genevasf@forestry.state.al.us

"Nurseries for the Future" will be the theme for the **Northeastern Nursery Conference** that will be held on **July 5 to 8, 2000** at the House on the Rock Resort in Spring Green, Wisconsin. The tentative agenda will include presentations on nursery soils management and fertilization, non-traditional plants and plantings, a nursery manager panel, seed collection and direct seeding, and reforestation and cost share programs. Tours of the Wilson State Nursery and reforestation and direct seeding sites are also planned. For the latest details, contact:

Joe Vande Hey
Wilson State Nursery
PO Box 305
Boscobel, WI 53805
TEL: 608.375.4123
FAX: 608.375.4126
E-mail: vandejx@dnr.state.wi.us

The **Western Forest and Conservation Nursery Association (WFCNA) meeting** for the year 2,000 will be held in our newest state-Hawaii. We will be meeting in Kailua-Kona on the "big island" of Hawaii on **August 22 through 25**. Due to the millennium timing of this meeting, we are planning a special session on operational nursery practices from around the world. Nursery workers from across the US and many other countries will be presenting information on how they produce seedlings. This will NOT be a research symposium but rather a technical exchange of cultural techniques. As far as I know, this is the first time that nursery workers have been able to come together and discuss common practices and problems. So, if you would like to come a give a presentation, let me know as soon as possible. Just send me your name, address, and a tentative title for your talk. The planning team will be meeting in March and we'll get registration information and a tentative agenda mailed soon afterwards. In the meantime, call me if you have any other questions. I hope to see you there!



Copies of the following journal articles or publications are free and can be ordered using the Literature Order Form on the last page. Just write in the appropriate number or letter on the form and return it to us. Note that there are two restrictions:

1. Limit in the Number of Free Articles: In an effort to reduce mailing costs, we are limiting, the number of free articles per issue. If you still want additional articles, then you will have to order them on a fee basis from Donna Loucks, the librarian who maintains the FNN database. Just fill in the number of the fee

articles on the bottom half of the order form, return it to us, and we will forward it to Donna.

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 you want the entire article, then you can order a copy from a library service or from Donna.

Bareroot Production

1. **Determining optimal lifting time of nursery stock for cold storage.** Bronnum, P. International Plant Propagators' Society, combined proceedings 1998, 48:289-293. 1999.
2. **Freeze and frost protection with aqueous foam -field experiments.** Choi, C. Y.; Giacomelli, G. HortTechnology 9(4):662-667. 1999.
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Container Production

4. **An assessment of ponderosa pine seedlings grown in copper-coated polybags.** Dumroese, R. K.; Wenny, D. L. Tree Planters' Notes 48(3/4):60-64. 1997.
5. **Control of growing medium water content and its effect on small seedlings grown in large containers.** Lambany, G.; Renaud, M.; Beauchesne, M. Tree Planters' Notes 48(3/4):48-54. 1997.
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11. **Multiple uses of Spin Out in the nursery and landscape.** Crawford, M. A. International Plant Propagators' Society, combined proceedings 1998, 48:627-631. 1999. Spin Out is the first EPA registered product for controlling plant root growth in containers. The active ingredient is copper hydroxide.
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16. **Seed use panel.** Morton, B. IN: Forest Nursery Association of British Columbia, proceedings, 19th annual meeting, p. 28-29. 1999. Can the sowing factor be reduced without economic loss when sowing with a Vancouver Biomachines seeder
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18. **Seedling growth of Atlantic white-cedar as influenced by photoperiod and day/night temperature.** Jull, L. G.; Blazich, F. A.; Hinesley, L. E. *Journal of Environmental Horticulture* 17(3):107-1113. 1999.
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Diverse Species

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Fertilization and Nutrition

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General and Miscellaneous

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65. **How to conduct your own product testing.** Powell, C. C. *Nursery Management and Production* 15(11):51, 55. 1999.
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Pierson Nurseries in Biddeford, Main, grows wetland plants on 6 acres of swales and ponds.

Forest Nursery Association of British Columbia, Proceedings, 19th annual meeting. Held Sept. 27-30, 1999, Vancouver, B.C. 1999. ORDER FROM: A limited number of copies are available from Nursery Extension Services, Ministry of Forests, V3V 7Z2, CANADA. TEL: 604.582.6910; FAX: 604.775.1288; E-mail: Dave.Trotter@gems4.gov.bc.ca

Genetics and Tree Improvement

69. ©**Effects of reforestation methods on genetic diversity of lodgepole pine: an assessment using microsatellite and randomly amplified polymorphic DNA markers.** Thomas, B. R.; Macdonald, S. E.; Hicks, M.; Adams, D. L.; Hodgetts, R. B. *Theoretical and Applied Genetics* 98:793-801. 1999.
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Mycorrhizae and Beneficial Microorganisms

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83. **Nursery solves efficiency issues.** Horning, G. Farwest Magazine 43(8): 112-113. 1999. A grinder is used to recycle cull trees; a forklift with 4 forks hauls container or B&B stock.
84. **On the right track.** Gainer, B. L. American Nurseryman 190(1): 26-28, 30. 1999. A line of unique, multi-purpose tractors has been helping nursery professionals streamline their tasks.
85. **Self-steering systems for tractors and other cultivation machinery.** Kohler, L. International Plant Propagators' Society, combined proceedings 1998, 48:231-237. 1999. Reviews use of ultrasound, infrared light, and laser light in automatic steering systems, with potential uses for weed cultivation and planting.

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Water Management

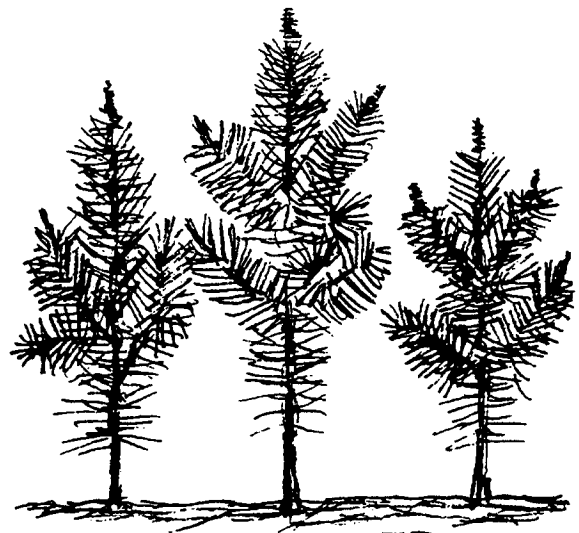
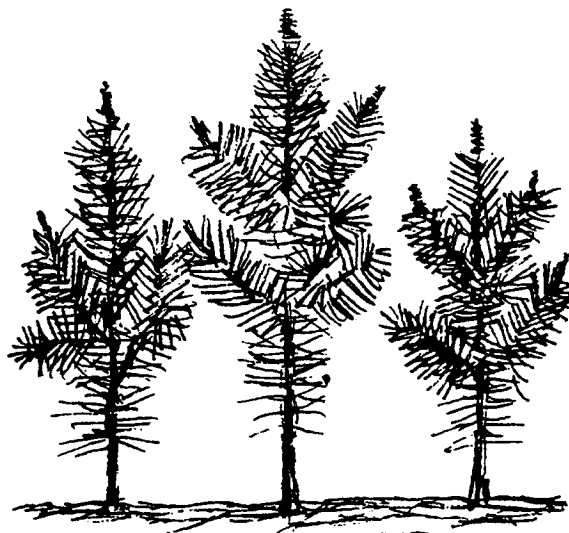
219. Does container drainage hole size affect your water quality? Fare, D. C. *International Plant Propagators' Society, combined proceedings* 1998, 48:608-610. 1999.
220. ©Improvement of water application efficiency by moisture conservation methods for establishment of planted tree seedlings. Yohannes, F. *Communications in Soil Science and Plant Analysis* 30(7-8):1119-1125. 1999.
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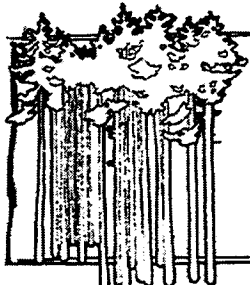
Weed Control

225. ©Determining the "optimum" slash pine seedling size for use with four levels of vegetation management on a flatwoods site in Georgia, U.S.A. South, D. B.; Mitchell, R. J. *Canadian Journal of Forest Research* 29(7):1039-1046. 1999.
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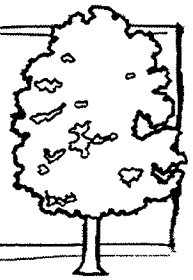
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RNGR Contacts

Contact Information for Reforestation, Nurseries, and Genetic Resources (RNGR) Team

Technology Transfer Services	Region of Responsibility	Who To Contact.
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