



Forest Service

**Northeastern  
Research Station**

NE-INF-157-02



**Expertise in  
Primary and Secondary  
Solid-Wood Processing  
Available from  
State, Federal, and  
University Sources**

**Jan Wiedenbeck**  
USDA Forest Service  
Northeastern Research Station  
Princeton, West Virginia

The following list includes USDA Forest Service, state, and University personnel with expertise in primary and secondary solid-wood processing, particularly with respect to lumber sawing and cut-up operations, and issues related to product yield, mill productivity, and markets. Experts within these three groups are listed by region: Northeast, Mid-Atlantic, South, Midwest, and West. The Forest Service considers all public inquiries to be high priority regardless of the home state of the customer making the inquiry. State and university experts may be more restricted in their ability to assist out-of-state customers.

Many of the experts listed have published information about their programs as well as study results on the Internet. These publications usually can be accessed by entering their name and institution into your favorite search engine.

The listing includes six quick-find numerical codes that correspond to various areas of expertise: (1) primary processing, (2) secondary processing, (3) markets, sales, and supply, (4) machine and tooling, (5) drying, and (6) residues and recycling.

This listing is current as of October 2002. To obtain similar information related to forestry, rural development, and forest products industry assistance providers, consult the **Forest Products Conservation and Recycling Personnel Directory** (2002) published by the Technology Marketing Unit of the Forest Products Laboratory, Madison, WI. You can request a copy by calling 608-231-9504, or download the directory from: [www.fpl.fs.fed.us/tmu/welcome.htm](http://www.fpl.fs.fed.us/tmu/welcome.htm) (select **Techlines** and **Publications** and then **Technology Marketing Unit's Special Reports**).

## FOREST SERVICE – NORTHEAST

- **Dean Huber**, Forest Products Specialist  
USDA Forest Service, Durham, NH  
Phone: 603-868-7689 Fax: 603-868-7601  
Email: dwhuber@fs.fed.us

Areas of Expertise: **1,5,6**

Hardwood and softwood lumber drying, primary processing, residue utilization

## FOREST SERVICE – MID-ATLANTIC

- **Delton Alderman**, Forest Products Scientist  
USDA Forest Service, Princeton, WV  
Phone: 304-431-2734 Fax: 304-431-2772  
Email: dalderman@fs.fed.us

Areas of Expertise: **1,3**

Underutilized species distribution and market development, veneer log-quality specifications, quality and markets for white pine

- **Phil Araman**, Project Leader  
USDA Forest Service, Blacksburg, VA  
Phone: 540-231-5341 Fax: 540-231-8868  
Email: paraman@vt.edu

Areas of Expertise: **1,2,3,4,6**

Domestic and international markets for dimension parts, scanning systems, rough-mill yield, pallet production, wood recycling

- **John Baumgras**, Project Leader  
USDA Forest Service, Princeton, WV  
Phone: 304-431-2701 Fax: 304-431-2772  
Email: jbaumgras@fs.fed.us

Areas of Expertise: **1**

Log bucking and merchandising, log-quality requirements for different industry sectors, timber management and wood quality

- **Matt Bumgardner**, Forest Products Scientist  
USDA Forest Service, Princeton, WV  
Phone: 304-431-2707 Fax: 304-431-2772  
Email: mbumgardner@fs.fed.us

Areas of Expertise: **3**

Solid-wood markets, low-grade log distribution and markets, character-marked furniture markets

- **Ed Cesa**, Forest Products Specialist  
USDA Forest Service, Morgantown, WV  
Phone: 304-285-1530 Fax: 304-285-1505  
Email: ecesa@fs.fed.us

Areas of Expertise: **1,3,6**

Forest products markets, wood in transportation, utilization of urban trees

- **Bruce Hansen**, Project Leader  
USDA Forest Service, Princeton, WV  
Phone: 304-431-2739 Fax: 304-431-2772  
Email: bghansen@fs.fed.us

Areas of Expertise: **3,6**

Hardwood export data and markets, financial feasibility of capital investments, business plan development, industrial timber-products output

- **Bill Luppold**, Project Leader  
USDA Forest Service, Princeton, WV  
Phone: 304-431-2770 Fax: 304-431-2772  
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Areas of Expertise: **1,3**

Hardwood lumber markets and pricing, market impacts on resource distribution, timber and product-quality relationships

- **Ed Thomas**, Computer Scientist  
USDA Forest Service, Princeton, WV  
Phone: 304-431-2324 Fax: 304-431-2772  
Email: ethomas@fs.fed.us

Areas of Expertise: **1,2,4**

Rough-mill yield simulation, optimizing saws and systems, log scanning

- **Jan Wiedenbeck**, Forest Products Scientist  
USDA Forest Service, Princeton, WV  
Phone: 304-431-2708 Fax: 304-431-2772  
Email: jwiedenbeck@fs.fed.us

Areas of Expertise: **1,2**

Rough-mill yield, sawmilling efficiency/recovery,  
log quality

## **FOREST SERVICE – SOUTH**

- **Alex Clark**, Forest Products Scientist  
USDA Forest Service, Athens, GA  
Phone: 706-559-4323 Fax: 706-559-4317  
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Areas of Expertise: **1**

Growth and yield of southern yellow pine

## **FOREST SERVICE – MIDWEST**

- **Steve Bratkovich**, Forest Products Specialist  
USDA Forest Service, St. Paul, MN  
Phone: 612-649-5246 Fax: 612-649-5238  
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Areas of Expertise: **2,3,6**

Sawmill production of green dimension, business  
plan development, marketing, recycling of urban  
wood, certified forest products

- **Rusty Dramm**, Forest Products Specialist  
USDA Forest Service, Madison, WI  
Phone: 608-231-9326 Fax: 608-231-9592  
Email: jdramm@fs.fed.us

Areas of Expertise: **1,2,3,6**

Sawmill analysis, lumber-size control, wood  
products markets

- **Bill Simpson**, Forest Products Scientist  
USDA Forest Service, Madison, WI  
Phone: 608-231-9357 Fax: 608-231-9592  
Email: wtsimpson@fs.fed.us

Areas of Expertise: **5**

Hardwood and softwood lumber-drying  
schedules, heat treatment of wood products

## FOREST SERVICE – WEST

- **Jamie Barbour**, Program Manager  
USDA Forest Service, Portland, OR  
Phone: 503-808-2542 Fax: 503-808-2130  
Email: jbarbour01@fs.fed.us

Areas of Expertise: **1**

Wood quality, softwood lumber manufacturing, small-log utilization, technology transfer

- **Geoffrey Donovan**, Research Economist  
USDA Forest Service, Sitka, AK  
Phone: 907-747-4310 Fax: 907-747-4294  
Email: gdonovan@fs.fed.us

Areas of Expertise: **3**

Forest products value-added markets, markets for alternative lumber grades and species

- **Ken Kilborn**, Team Leader  
USDA Forest Service, Sitka, AK  
Phone: 907-747-4308 Fax: 907-747-4307  
Email: kakilborn@fs.fed.us

Areas of Expertise: **1,2,3,5,6**

Sawmilling, lumber drying, economic development, value-added markets

- **Eini Lowell**, Forest Products Scientist  
USDA Forest Service, Portland, OR  
Phone: 503-808-2072 Fax: 503-808-2020  
Email: elowell@fs.fed.us

Areas of Expertise: **1,2**

Western hardwood sawmill recovery, value-added manufacturing systems, small-log utilization

- **Dave Nicholls**, Forest Products Technologist  
USDA Forest Service, Sitka, AK  
Phone: 907-747-4312 Fax: 907-747-4294  
Email: dlnicholls@fs.fed.us

Areas of Expertise: **1,2,3,6**

Value-added markets and processing systems for underutilized species/resources, residue utilization in energy markets

## UNIVERSITY/STATE – NORTHEAST

- **Dan Bousquet**, Extension Specialist  
University of Vermont, St. Johnsbury  
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Fax: 802-656-2623  
Email: danielbousquet@uvm.edu

Areas of Expertise: **1,3,5**

Primary wood processing, short-log processing, value-added opportunities, lumber handling and drying

- **Gordon Boyce**, Wood Utilization Specialist  
Massachusetts Department of Environmental Management, Amherst  
Phone: (413) 253-5634 Fax: (413) 253-5542  
E-mail: gordon.boyce@state.ma.us

Areas of Expertise: **1,3,6**

Wood biomass for energy, small-log utilization, primary processing, wood markets, low-impact logging

- **Sloane Crawford**, Wood Utilization Specialist  
New York Department of Environmental Conservation, Albany  
Phone: 518-457-7370 Fax: 518-457-5438  
Email: sncrawfo@gw.dec.state.ny.us

Areas of Expertise: **1,3,6**

Primary hardwood processing and markets, resource trends

- **Jack Dwyer**, Chief of Marketing and Utilization  
Vermont Department of Forests, Parks & Recreation, Waterbury  
Phone: 802-241-3678 Fax: 802-244-1481  
Email: jdwyer@fpr.anr.state.vt.us

Areas of Expertise: **1,3,6**

Sawmilling, log grading, hardwood markets, residue markets, wood energy

- **Paul Frederick**, Wood Utilization Specialist  
Vermont Department of Forests, Parks &  
Recreation, Waterbury  
Phone: 802-241-3698 Fax: 802-244-1481  
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Areas of Expertise: 1

Primary wood processing

- **Ken Kasprzyk**, Wood Utilization Specialist  
New York Department of Environmental  
Conservation, Alleghany  
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Email: kjkasprz@gw.dec.state.ny.us

Areas of Expertise: 1,5

Hardwood sawmill operations and economics

- **Peter Lammert**, Wood Utilization Specialist  
Maine Forest Service, Augusta  
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Email: peter.lammert@state.me.us

Areas of Expertise: 1,2,3,5,6

Primary wood processing

- **James Philp**, Extension Specialist  
University of Maine, Orono  
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Areas of Expertise: 1,4

Woodworking machinery, wood surface quality,  
knife angles and saw blades, lumber drying,  
portable sawmills

- **Bob Rice**, Professor  
University of Maine, Orono, ME  
Phone: 207-581-2883 Fax: 207-581-8356  
Email: rice@apollo.umenfa.maine.edu

Areas of Expertise: 3,4,5

Solid wood markets, scanning, nondestructive  
evaluation, quality control systems, lumber drying



- **Sarah Smith**, Extension Specialist  
University of New Hampshire, Durham  
Phone: 603-862-2647 Fax: 603-862-0107  
Email: sarah.smith@unh.edu

Areas of Expertise: **1,2,3**

Hardwood lumber grading and yields, markets for different species

- **Nick Weidhaas**, Director  
Forest & Wood Products Development Center  
Gardner, MA  
Phone: 508-632-6600 ext. 320 Fax: 508-632-8925  
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Areas of Expertise: **2,4**

Rough-mill equipment, yield, and production costs; optimizing saws

## UNIVERSITY/STATE – MID-ATLANTIC

- **Brian Bond**, Extension Specialist  
Virginia Tech, Blacksburg  
Phone: 540-231-8752 Fax: 540-231-8868  
Email: bbond@vt.edu

Areas of Expertise: **1,5**

Scanning systems, optimization, primary hardwood processing, process control, hardwood lumber drying, log grades

- **Earl Kline**, Professor  
Virginia Tech, Blacksburg  
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Email: kline@vt.edu

Areas of Expertise: **1,2,4**

Sawmill and rough-mill scanning and control systems, optimization equipment and software, process economics

- **Judd Michael**, Associate Professor  
Pennsylvania State University, University Park  
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Email: jh\_michael@psu.edu

Areas of Expertise: **3**

Forest products manufacturing productivity, safety in secondary wood products manufacturing

- **John Pletcher**, Forest Products Specialist  
Pennsylvania Technical Assistance Program,  
University Park  
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Email: jep13@psu.edu

Areas of Expertise: 1,2,3

Secondary processing, sawmill and rough-mill yield, residue markets, adhesives, finishing systems

- **Paul Schreffler**, Training Specialist  
West Virginia Wood Technology Center, Elkins  
Phone: 304-637-0803 Fax: 304-637-4902  
Email: Paul@wvwoodtech.com

Areas of Expertise: 2,4

Secondary manufacturing machinery, CAD/CAM programming, CNC machinery, machinery costs and production efficiency

- **Bob Smith**, Associate Professor  
Virginia Tech, Blacksburg  
Phone: 540-231-9759 Fax: 540-231-8868  
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Areas of Expertise: 1,3,6

Wood products sales and marketing, pallet industry supply and demand, primary processing industry, residue markets

- **Paul Smith**, Professor  
Pennsylvania State University, University Park  
Phone: 818-865-8841 Fax: 814-863-7193  
Email: pms6@psuvm.psu.edu

Areas of Expertise: 3

Export markets for components and furniture, forest products marketing research

- **Mark White**, Professor  
Virginia Tech, Blacksburg  
Phone: 540-231-7134 Fax: 540-231-8868  
Email: mswhite@vt.edu

Areas of Expertise: 1

Primary hardwood processing, pallet design and manufacture

## UNIVERSITY/STATE – SOUTH

- **Urs Buehlmann**, Extension Specialist  
North Carolina State University, Raleigh  
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Areas of Expertise: **2,3,6**

Rough-mill yield, residue markets, wood recycling, competitiveness of the furniture industry

- **Charles Clement**, Research Associate  
Tennessee Forest Products Center, Knoxville  
Phone: 865-946-1125 Fax: 865-946-1109  
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Areas of Expertise: **2**

Rough-mill yield

- **Joe Denig**, Extension Specialist  
North Carolina State University, Raleigh  
Phone: 919-515-5582 Fax: 919-515-8739  
Email: joe\_denig@ncsu.edu

Areas of Expertise: **1,4,5,6**

Lumber drying, primary processing, sawing accuracy, equipment/technology justification

- **Rick Lemaster**, Research Associate  
North Carolina State University, Raleigh  
Phone: 919-515-3181 Fax: 919-515-6302  
Email: lemaster\_WMTRP@ncsu.edu

Areas of Expertise: **4**

Tooling, surface quality, ultrasound-based quality assessment

- **Phil Mitchell**, Extension Specialist  
North Carolina State University, Raleigh  
Phone: 919-515-5581 Fax: 919-515-8739  
Email: mitchell@cfr.cfr.ncsu.edu

Areas of Expertise: **2,5**

Rough-mill equipment and yield, hardwood lumber drying, solid-wood gluing, wood-machining quality

- **Dan Seale**, Professor  
Mississippi State University, Starkville  
Phone: 662-325-3072 Fax: 601-325-8126  
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Areas of Expertise: **2,3**

Production economics, equipment justification, quality assurance, markets

- **Todd Shupe**, Extension Specialist  
Louisiana State University, Baton Rouge  
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Email: tshupe@agtr.lsu.edu

Areas of Expertise: **3,6**

Wood products marketing and processing

- **Phil Steele**, Professor  
Mississippi State University, Starkville  
Phone: 662-325-8083 Fax: 662-325-8126  
Email: psteele@cfr.msstate.edu

Areas of Expertise: **1,2,4**

Crosscut versus rip analysis, scanning systems, simulation, sawmill machinery and recovery

- **John Stewart**, Professor  
North Carolina State University, Raleigh  
Phone: 919-515-3181 Fax: 919-515-6302  
Email: stewartj@cfr.cfr.ncsu.edu

Areas of Expertise: **4**

Tooling, machine design and vibration

- **Richard Vlosky**, Associate Professor  
Louisiana State University, Baton Rouge  
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Email: vlosky@unix1.sncc.lsu.edu

Areas of Expertise: **3**

Secondary industry demographics and competitiveness factors, barcoding and production information systems, e-business

- **Bob Wright**, Wood Utilization Specialist  
Tennessee Division of Forestry, Nashville  
Phone: 615-837-5431 Fax: 615-837-5003  
Email: rwright4@mail.state.tn.us

Areas of Expertise: **1,5,6**

Log and lumber grading, primary hardwood processing

- **Tim Young**, Research Associate  
Tennessee Forest Products Center, Knoxville  
Phone: 865-946-1119 Fax: 865-946-1109  
Email: tmyoung1@utk.edu

Areas of Expertise: **1,2**

Statistical process control

## UNIVERSITY/STATE – MIDWEST

- **Scott Bove**, Extension Specialist  
University of Wisconsin, Madison  
Phone: 608-265-5849 Fax: 608-262-9922  
Email: sbowe@facstaff.wisc.edu

Areas of Expertise: **1,3**

Technology adoption, hardwood markets and marketing, primary processing

- **Jim Bowyer**, Professor  
University of Minnesota, St. Paul  
Phone: 612-624-4292 Fax: 612-625-6286  
Email: jbowyer@umn.edu

Areas of Expertise: **2,3,6**

Forest resource utilization trends, markets, certified wood products, life-cycle analysis

- **Brian Bradshaw**, Program Leader  
Natural Resources Research Institute, Duluth  
Phone: 218-720-4248 Fax: 218-720-4219  
Email: bbrashaw@sage.nrri.umn.edu

Areas of Expertise: **1,2**

Low-grade lumber utilization in structural applications, nondestructive evaluation of trees, logs, lumber, and timber bridges

- **Dan Cassens**, Extension Specialist  
Purdue University, West Lafayette, IN  
Phone: 765-494-3644 Fax: 765-494-3643  
Email: dcassens@forest1.fnr.purdue.edu

Areas of Expertise: **1,4,5**

Primary processing, panel processing, lumber and wood properties, lumber cut-up, portable sawmills

- **Pat Donahue**, Program Leader  
Natural Resources Research Institute, Duluth  
Phone: 218-720-2705 Fax: 218-720-4329  
Email: pdonahue@nrri.umn.edu

Areas of Expertise: **2**

Dry-end veneer processing, millwork, casegoods, and flooring production, process improvement/control

- **Carl Eckelman**, Professor  
Purdue University, West Lafayette, IN  
Phone: 765-494-3640 Fax: 765-496-1344  
Email: carle@fnr.purdue.edu

Areas of Expertise: **2,4**

Furniture design, manufacturing, and testing

- **Carroll Fackler**, Extension Associate  
University of Kentucky, Quicksand  
Phone: 606-666-2438 Fax: 606-666-2215  
Email: cfackler@ca.uky.edu

Areas of Expertise: **4,5**

Lumber drying, wood machining and machining defects, wood surface quality

- **Joey Gallion**, Wood Utilization Specialist  
Indiana Division of Forestry, Brownstown  
Phone: 812-358-2160 Fax: 812-358-5009  
Email: jgallion@dnr.state.in.us

Areas of Expertise: **1,3**

Primary hardwood processing/sawmills

- **Rado Gazo**, Associate Professor  
Purdue University, West Lafayette, IN  
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Email: radogazo@forestl.fnr.purdue.edu

Areas of Expertise: **2**

Rough-mill yield and processing simulation, electronic information and data systems, secondary industry ergonomics

- **Bob Govett**, Extension Specialist  
University of Wisconsin, Stephens Point  
Phone: 715-346-4212 Fax: 715-346-4821  
Email: rgovett@uwsp.edu

Areas of Expertise: **1,4**

Primary processing, portable sawmills, processing economics and finance

- **Sarah Gurney**, Marketing Extension Specialist  
Ohio State University, Piketon  
Phone: 740-289-3727 Fax: 740-289-4591  
Email: gurney.10@osu.edu

Areas of Expertise: **3**

Wood products markets and marketing, value-added wood products

- **Larry Lowe**, Section Supervisor  
Kentucky Division of Forestry, Frankfort  
Phone: 502-564-4496 Fax: 502-564-6553  
Email: larry.lowe@mail.state.ky.us

Areas of Expertise: **1,2,3,6**

Primary hardwood processing, timber products output, residue markets, logging compliance

- **Terry Mace**, Forest Products Specialist  
Wisconsin Department of Natural Resources  
Madison  
Phone: 608-231-9333 Fax: 608-231-9592  
Email: macet@dnr.state.wi.us

Areas of Expertise: **1,2,3,6**

Primary and secondary wood products markets

- **Ron Miller**, Research Associate  
Ohio State University, Piketon  
Phone: 740-289-2071 Fax: 740-289-4591  
Email: miller.1280@osu.edu

Areas of Expertise: **1,6**

Primary wood products production, residue utilization and markets

- **Tom Milton**, Extension Specialist  
University of Minnesota, St. Paul  
Phone: 612-624-5307 Fax: 612-625-6286  
Email: milto001@umn.edu

Areas of Expertise: **1,2,3,6**

Primary processing, residue utilization, production economics, health and safety, machining

- **Harlan Petersen**, Extension Specialist  
University of Minnesota, St. Paul  
Phone: 612-624-3407 Fax: 612-625-6286

Areas of Expertise: **1,2,4,5**

Lumber drying, hardwood lumber grading, machining

- **Tim Smith**, Assistant Professor  
University of Minnesota, St. Paul  
Phone: 612-624-6755 Fax: 612-625-6286  
Email: timsmith@umn.edu

Areas of Expertise: **3**

Forest products marketing and sales, e-commerce for the wood industry

- **Anthony Weatherspoon**, Wood Utilization Specialist  
Michigan Department of Natural Resources,  
Lansing  
Phone: 517-335-3332 Fax: 517-373-2443  
Email: weathera@state.mi.us

Areas of Expertise: **2,3**

Rough mill processing systems, industry location and markets, yields



- **Jim Whipple**, Wood Utilization Specialist  
Wisconsin Department of Natural Resources,  
Tomahawk  
Phone: 715-453-1264 Fax: 715-453-5998  
Email: whippj@dnr.state.wi.us

Areas of Expertise: **1,6**

Primary processing, saw maintenance, wood residue

## UNIVERSITY/STATE – WEST

- **Charlie Brunner**, Associate Professor  
Oregon State University, Corvallis  
Phone: 541-737-4204 Fax: 541-737-3385  
Email: brunner@frl.orst.edu

Areas of Expertise: **2,4**

Cut-up optimization, simulation, production control, scanning

- **Dave Cohen**, Associate Professor  
University of British Columbia, Vancouver  
Phone: 604-822-6716 Fax: 604-822-9104  
Email: Dcohen@unixg.ubc.c2

Areas of Expertise: **3**

Industry competitiveness factors, employee and machinery productivity, primary and secondary markets

- **Terry Brown**, Professor  
Oregon State University, Corvallis  
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Email: terry.brown@orst.edu

Areas of Expertise: **1,4**

Quality control, lumber-size control, primary processing

- **Ivan Eastin**, Associate Professor  
University of Washington, Seattle  
Phone: (206) 543-1918; Fax: (206) 685-3091  
Email: eastin@u.washington.edu

Areas of Expertise: 3

International forest products trade, material substitution between wood and nonwood products

- **James Funck**, Associate Professor  
Oregon State University, Corvallis  
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Email: funckj@frl.orst.edu

Areas of Expertise: 4

Scanning and optimization, panel products and lamination, technology feasibility

- **Eric Hansen**, Associate Professor  
Oregon State University, Corvallis  
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Areas of Expertise: 3

Forest products marketing research

- **Chris Jennings**, Extension Specialist  
Colorado State Forest Service, Fort Collins  
Phone: 970-491-2958 Fax: 970-491-2958  
Email: jennings@lamar.colostate.edu

Areas of Expertise: 1,3

Sawmill processing and sawmill studies, value-added markets

- **Scott Leavengood**, Extension Specialist  
Oregon State University, Beavertown  
Phone: 503-725-2123 Fax: 503-725-2100  
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Areas of Expertise: 3,5

Lumber drying, value-added processing markets, processing efficiency

- **Tom Maness**, Professor  
University of British Columbia, Vancouver  
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Areas of Expertise: **1,2,4**

Value-added employee training systems, optimization systems, production control, technology implementation

- **Mike Milota**, Associate Professor  
Oregon State University, Corvallis  
Phone: 541-737-4210 Fax: 541-737-3385  
Email: mike.milota@orst.edu

Areas of Expertise: **5**

Lumber drying, dry kilns, VOC emissions

- **John Punches**, Extension Specialist  
Oregon State University, Corvallis  
Phone: 541-672-4461 Fax: 541-672-4453  
Email: john.punches@orst.edu

Areas of Expertise: **1,2,3,6**

Forest products certification, markets, business startup, processing systems

- **Jim Reeb**, Extension Specialist  
Oregon State University, Corvallis  
Phone: 541-737-4233 Fax: 541-737-3385  
Email: jim.reeb@orst.edu

Areas of Expertise: **1,2,5**

Primary processing, harvesting, merchandising

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**November 2002**