

Purpose: In these challenging markets many lumber manufacturers and secondary wood producers are changing their species mix in order to remain cost effective. Many of these species are prone to stain and warp. Some species, such as oak, are prone to checking. North Carolina State University's Wood Products Extension in conjunction with the US Forest Service's Wood Education & Resource Center will hold a one day workshop to update dry kiln operators so they can produce a higher quality product.

The one day workshop will be divided into two sessions. The **morning session** will focus on oak drying including problems such as drying green and partially pre-dried lumber as well as drying thicker stock. The **afternoon session** will emphasize drying white woods including avoiding stain, stacking procedures that produce flat lumber, low temperature drying schedules that produce quality results, and equalizing and conditioning that produce lumber that is flat and stress free.

The course is co-sponsored by the Southeastern Dry Kiln Club.

Instructors: Dr. Joe Denig is a Professor & Departmental Extension Leader at NCSU. Areas of his expertise include lumber drying technical assistance as well providing both leadership and technical assistance to the lumber manufacturing industry. Mr. Harry Watt is a Business Improvement Specialist focusing on value added wood products manufacturing and marketing.

Southeastern Dry Kiln Club
c/o Wood Products Extension
NC State University
Campus Box 8003
Raleigh, NC 27695

NC STATE UNIVERSITY

DRYING HARDWOOD LUMBER UPDATE - A ONE DAY WORKSHOP FOR IMPROVING LUMBER QUALITY

September 22, 2010
Wood Education & Resource
Center, Princeton, WV

Conducted by:
Wood Products Extension
N. C. Cooperative Extension
North Carolina State University



Phone: (919) 515-5582
Web site: www.ces.ncsu.edu/nreos/wood/

This workshop is sponsored
by:

USDA Forest Service



Wood Education & Resource
Center



Southeastern Dry Kiln Club



Program Contents

8:00 Registration

8:30 Welcome. Review of Oak Drying Fundamentals and Drying Procedures

9:30 Oak Kiln Schedules

10:30 Break

10:45 Putting Oak Schedules Including Drying Thick Stock From Green, Start Up Procedures, Drying Mixed Moisture Content Loads, etc.

12:00 Lunch

1:00 Stain, Causes of Stain and Preventing Stain.

2:30 Break

2:45 Using Low Temperature/ Large Depression Drying Schedules That Produce Bright, White and Flat Lumber Minimizing Defects Drying Oak Lumber

3:30 Discussion and Questions by Kiln Operators

4:30 Wrap Up & Adjourn



Registration

Preregistration is required by September 14, 2010.

The registration fee is \$60 payable to the Southeastern Dry Kiln Club, Campus Box 8003, Raleigh, NC 27695-8003. This cost includes all printed materials, refreshments during breaks, and lunch. Please fax your registration in as soon as possible to (919) 515-8739 to reserve a slot.

Workshop Locations:

The workshop will be held at the Wood Education & Resource Center, 301 Hardwood Lane, Princeton, WV. **Note:** The building will be open for us at 8:00 a.m. at which time registration will begin.

Questions

For additional information or questions, contact Joe Denig, (919) 515-5582 or Harry Watt, (704) 880-5034.



Registration Form

DRYING HARDWOOD LUMBER UPDATE A ONE DAY WORKSHOP

September 22, 2010
Princeton, WV

| | |
|----------------|--------------|
| Name | _____ |
| Company | _____ |
| Title | _____ |
| Address | _____ |
| City/State/Zip | _____ |
| Phone | () _____ |
| Email | _____ |
| Total Enclosed | \$ _____ |

Make check payable to:
Southeastern Dry Kiln Club
\$60/person for Course

Mail check and registration form by
September 14, 2010 to
Joe Denig, NC State University
Wood Products Extension
Campus Box 8003
Raleigh, NC 27695-8003
Fax: (919) 515-8739

*Please duplicate this form for
additional registrants.*