

# **Hardwood Training Opportunities 2007**

<u><b>Workshop Title</b></u>	<u><b>Location</b></u>	<u><b>Date</b></u>
<b>Hardwood Log, Lumber and Tree Grading Workshop</b>	N.E. Purdue Agr. Center Columbia City, IN	October 9 & 10
<b>Marketing Hardwood Veneer Logs and Trees</b>	Coldwater Veneer Coldwater, MI	October 12
<b>Hardwood Lumber Grading and Manufacturing</b>	Ramada Inn Elkhart, IN	October 16-18
<b>Walnut Lumber Grading and Manufacturing</b>	Ramada Inn Elkhart, IN	October 19

Sponsored by  
**Purdue University, Wood Research Laboratory**  
In Cooperation with  
**Indiana Hardwood Lumbermen's Association**  
**IN Dept. of Natural Resources, Division of Forestry**  
**Michigan Department of Natural Resources**

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# HARDWOOD TRAINING OPPORTUNITIES

## 2007

### Registration Form

Seminar Number	Program / Date/Location	Cost
1.	<b>Hardwood Log, Lumber, and Tree Grading Workshop</b> <i>(Oct. 9 &amp; 10, N.E. Purdue Agr. Center, Columbia City, IN)</i>	\$150
2.	<b>Marketing Hardwood Veneer Logs and Trees</b> <i>(Oct. 12, Coldwater Veneer, Coldwater, MI)</i>	\$ 25
3.	<b>Hardwood Lumber Grading and Manufacturing</b> <i>(Oct. 16-18, Ramada Inn, Elkhart, IN)</i>	\$200
4.	<b>Walnut Lumber Grading and Manufacturing</b> <i>(Oct. 19, Ramada Inn, Elkhart, IN)</i>	\$ 75

Please register the following individuals for the programs I have indicated.

Name \_\_\_\_\_ Seminar # \_\_\_\_\_

Name \_\_\_\_\_ Seminar # \_\_\_\_\_

Name \_\_\_\_\_ Seminar # \_\_\_\_\_

Company Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone \_\_\_\_\_

FAX \_\_\_\_\_

**For technical information contact**

Daniel L. Cassens  
Purdue University  
Phone: 765-494-3644  
FAX: 765-496-1344  
Email: dcassens@purdue.edu

**Payment Method:**

\_\_\_\_\_ Check Enclosed Payable to Purdue University  
\_\_\_\_\_ Please Invoice (We cannot take credit cards)

**For lodging information, please refer to individual training session flyers.**

**Mail, Fax, or Email to:** Daniel Cassens, Purdue University, Forestry & Natural Resources, 1200 Forest Products Building, West Lafayette, IN 47907-1200; FAX 765-496-1344, dcassens@purdue.edu

I require auxiliary aids and services due to a disability. Please contact me at the above address.  
(If multiple registrants, indicate the individual who needs to be contacted).

# Hardwood Log, Lumber and Tree Grading Workshop

October 9 & 10, 2007  
N.E. Purdue Agr. Center  
Columbia City, Indiana

- Purpose:** To provide participants a working knowledge of hardwood lumber grades and the U.S. Forest Service hardwood log and tree grades and their relationship to each other and product utilization; the opportunity to become familiar with and to recognize defect indicators and their importance in determining log quality; and to illustrate the application of grading to standing timber.
- Audience:** Anyone needing a basic understanding of how log and tree quality affects final lumber value will find the session useful. These include portable mill operators, foresters and consultants responsible for timber sales, as well as log and timber buyers, mill personnel, loggers and landowners.
- Instructor:** Daniel Cassens, Wood Products Specialist, Department of Forestry & Natural Resources, Purdue University and Jeff Settle, Utilization Specialist with the Indiana Division of Forestry, will instruct the program. Cassens has 30 years of experience with the hardwood industry and has made numerous presentations on hardwood quality and log grading to the NHLA, industry groups, portable mill operators and universities. Jeff Settle is with the Indiana Department of Natural Resources and has worked with the wood manufacturing industry and has assisted with numerous seminars and workshops.
- Registration:** Enrollment is limited. If you pre-register and cannot attend, refunds will be made if we are advised by October 4. The registration fee is \$150 per person which covers the cost of instruction, lunch, breaks, and handout materials. The cost of other meals and lodging are not included in the course fee.
- Location:** The seminar will be held at the North East Purdue Agr. Center (NEPAC) near Columbia City, Indiana. Take US 30 or IN14 East to CR 500 E. NEPAC is located on CR400 S, south of US30 or North of IN14. Phone: 260-244-7290
- Equipment:** Participants should bring their own lumber grading rule and log scale stick, if available as well as a calculator. A tape measure may be used as a substitute. Also bring your rain gear in the event of inclement weather. These materials may be ordered from Forestry Supplies at <http://www.forestry-suppliers.com/>. Type in *lumber grading rule*, or *log scale stick*.
- Safety:** **Each attendee assumes responsibility for his/her own safety. Please bring a hard hat, earplugs, safety glasses and steel-toed shoes. This equipment is required.**

## Tuesday, October 9, 2007

- 8:00 a.m. Registration
- 8:15 a.m. Fundamentals of Hardwood Lumber Grading and Terminology with Practice Grading
- 11:00 a.m. Hardwood Log Grades and Tree Grades, Defect Indicators, Relationship of Log and Lumber Grades
- 11:45 a.m. Using Published Lumber Yield Data to Predict Log and Tree Value
- 1:00 p.m. Grading, Felling, and Bucking Trees and Logs, Don Carlson, Purdue Forester
- 5:30 p.m. Conclude

## Wednesday, October 10, 2007

- 8:00 a.m. Sawing of Graded Logs and Accumulation of Lumber at the N.E. Agr. Center by Individual Log and Tree Grade.
- 10:00 a.m. Grading of Lumber by Log
- 1:00 p.m. Discussion of Lumber Yield Data, Comparison to Published Tables, Value Calculations.
- 3:00 p.m. Conclude

# Marketing Hardwood Veneer Logs and Trees

Friday, October 12, 2007

Coldwater, Michigan

- Purpose:** The highest valued use of our hardwood resource is for fine face veneers and excellent markets have always existed for “perfect” trees and logs. However, marketing of “somewhat less than perfect” trees and logs can present a challenge. The practicing forester may not be exactly sure what a particular veneer buyer can accept and why log or tree value can vary widely. Furthermore, the markets for the veneer itself change. To facilitate a better understanding of veneer quality logs and trees as well as the veneering process itself, Coldwater Veneer Inc. has agreed to host practicing foresters, consultants, and log producers for a one-day program. This is your unique opportunity to listen, observe, and discuss the many aspects of the resource – logs and trees – which sustains this fascinating wood industry.
- Audience:** Practicing foresters, consultants, log producers and other land managers. The mill reserves the right to review the registration list and exclude any direct competitors.
- Instructor:** Mill management will be the presenters.
- Registration:** The registration fee is \$ 25. The fee covers the cost of breaks and lunch. If you pre-register and cannot attend, refunds will be made until Oct. 4, 2007. Registration is limited.
- Lodging:** Red Roof Inn (517-279-1199); Holiday Inn (517-279-0900); Comfort Inn Suites (517-278-2017). These facilities are located at the Coldwater Exit #13. (I69 and US 12)
- Safety:** **Each attendee assumes responsibility for his/her own safety. Please bring a hard hat, earplugs, safety glasses and steel-toed shoes. This equipment is required.**

## Friday, October 12, 2007

- 8:00 a.m. **Registration.** Meet in office area of Coldwater Veneer, Inc.’s Export Sales offices at 548 Race Street. Watch for signs.
- 8:15 a.m. **Overview** of Coldwater Veneer, Inc. and planned activities
- 8:20 a.m. **Examination of Veneer Quality Logs.** This presentation will include a discussion of the factors (growth defects and characteristics, site factors, insect and fungal damage, log length, color, mineral stain, log freshness, etc.) which affect the grade and value of hardwood veneer logs.
- 11:00 – 11:45 a.m. **Lunch**
- 12:00 p.m. **Examination of Sample Veneers.** At this time the many factors which affect the grade and value of veneer logs will be shown in the processed veneer.
- 2:00 p.m. **Veneer Slicing, Drying and Clipping.** Tour of the facility
- 3:30 **Summary**

# Hardwood Lumber Grading and Manufacturing

October 16-18, 2007

Ramada Inn

Elkhart, IN

- Purpose:** A thorough knowledge of the hardwood lumber grades is essential for success in the industry. This session is designed to provide registrants with a detailed introduction to the NHLA grading rules as well as ample hands-on experience in grading various species of hardwood lumber. Additional information on lumber manufacturing practices will also be provided.
- Audience:** From the lumber manufacturing end of the business, sawmill owners, managers, sawyers, edgemen, graders and sales staff will benefit. From the user end, purchasing agents will find the program particularly useful. Others involved in processing rough lumber into parts and calculating yields will also benefit. It is important for anyone involved with hardwood lumber to understand the process and thereby develop a keener sense of value and yield.
- Instructor:** Tim Kassis with Kretz Lumber Company (715-623-5410) in Antigo, WI will instruct the course. Tim has a unique set of credentials to instruct this course. He attended the NHLA inspection school in 1973 and went on to work for the NHLA as an inspector and became district chief for the Lake States in 1979. He has instructed numerous lumber grading short courses throughout the United States and Canada. Next, Tim has worked in lumber sales for several years and he is familiar with lumber specifications for end users. Thus, the instructor will be able to relate the technical aspects of the rules as well as practical applications depending on end use.
- Registration:** The registration fee is \$200. The fee covers the cost of the NHLA rules book, other materials, breaks, and lunch. If you pre-register and cannot attend, refunds will be made until Oct. 4, 2007.
- Location** Ramada Inn, Elkhart, IN. It's located South off the 80/90 Toll Road, Exit 92. Pay toll at the light, turn left. It' at the 1<sup>st</sup> street on the right. The Ramada can be contacted at 574-262-1581 and the room rate is \$74. plus tax.

## Tuesday, Oct. 16, 2007

- 7:45 a.m. ▪ Registration
- 8:00 a.m. – Noon  
▪ Review NHLA Rules Book
- 12:00 p.m. ▪ Lunch
- 12:45 p.m. ▪ Wood-Moisture Relationships and Drying (30 minutes)
- 1:15 p.m. ▪ Continue Review and Demonstrate Grading on Selected Boards

## Wednesday, Oct. 17, 2007

- 8:00 a.m. ▪ Practice Grading by the Class. Dozens of boards will be graded by the class and each carefully reviewed by the instructor.

## Thursday, Oct. 18, 2007

- 8:00 a.m. ▪ Continue Practice Grading  
▪ Kiln Dried Rules  
▪ Surfaced Lumber Rules  
▪ Additional items to be discussed.  
-Working with customers concerning yields and proprietary grades  
-Proper edging and trimming
- Developing Long Term Relationships in Lumber Buying and Selling
- 3:00 p.m. ▪ Conclude

# Walnut Lumber Grading and Manufacturing

**Friday, October 19, 2007**  
**Ramada Inn, Elkhart, IN**

- Purpose:** Walnut is a very valuable and currently very much in demand species with the very best stock coming from the Central Midwest. Walnut and butternut also have different and relaxed grading rules compared to the standard grades. Six and seven foot lumber is graded on a defect basis and can be included in FAS. The clear face cuttings can be smaller and more cuttings are allowed as compared to the standard grades. Sapwood, when steamed, is not considered a defect but otherwise it is severely limited. This session will review the walnut grading rules and provide ample practice in applying them.
- Audience:** Anyone who saws, sells, or purchases walnut lumber and is not aware of the unique rules, should attend this class. A better understanding of what each grade includes will result.
- Instructor:** Tim Kassis with Kretz Lumber Company (715-623-5410) in Antigo, WI will instruct the course. Tim has a unique set of credentials to instruct this course. He attended the NHLA inspection school in 1973 and went on to work for the NHLA as an inspector and became district chief for the Lake States in 1979. He has instructed numerous lumber grading short courses throughout the United States and Canada. Next, Tim has worked in lumber sales for several years and he is familiar with lumber specifications for end users. Thus, the instructor will be able to relate the technical aspects of the rules as well as practical applications depending on end use.
- Registration:** The registration fee is \$75. The fee covers the cost of the NHLA rules book, breaks, and lunch. If you pre-register and cannot attend, refunds will be made until Oct. 4, 2007.
- Location:** Ramada Inn, Elkhart, IN. It's located South off the 80/90 Toll Road, Exit 92. Pay toll at the light, turn left. It's at the 1<sup>st</sup> street on the right. The Ramada can be contacted at 574-262-1581 and the room rate is \$74. plus tax. It's recommended you make your reservations early.

## PROGRAM

### Friday, October 19, 2007

- |            |   |
|------------|---|
| 8:00 a.m.  | <b>Registration</b>   |
| 8:15 a.m.  | <b>Review</b> the NHLA rules for grading walnut. It is assumed the registrants understand the standard grading rules for hardwood lumber. If not, they should attend the session on Oct. 16-17. |
| 9:15 a.m.  | <b>Demonstration.</b> Grading of walnut boards  |
| 10:15 a.m. | <b>Practice Grading</b> by the class  |
| 12:00 p.m. | <b>Lunch</b>  |
| 12:45 p.m. | <b>Continue Grading</b> by the class  |
| 3:00 p.m.  | <b>Conclude</b>   |

# ANNOUNCEMENT

## Hardwood Lumber of the Central Midwest CD

By

*Daniel Cassens*

### **Select and use hardwood lumber more efficiently.**

The *Hardwood Lumber of the Central Midwest CD* provides technical and practical information about the 24 hardwood species commonly found and used in the Midwest lumber industry. The CD discusses strength, mechanical properties, species location, main uses, abundance, unique characteristics, values, color, and lumber grades.

Each species of lumber has unique properties that make certain species of lumber better suited for a particular use than for another. The CD contains descriptive, color photos that can be enlarged. It shows large wood panels and the complete range of lumber characteristics associated with those panels. There are thumbnail photos of the wood along with furniture sample photos. There are bar charts and tables that compare the properties of one species to another. Understanding these unique properties and their applications will help you select and use hardwood lumber much more efficiently.

To order, please visit our Web site at [www.ces.purdue.edu/new](http://www.ces.purdue.edu/new)