

# Friends of Firewood

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*They who chop their own wood are  
twice warmed*

- Firewood has been identified by the USDA as a vector for transporting invasive forest insect species to non-infested areas

# DON'T MOVE FIREWOOD

Our forests are threatened by nonnative insects that can kill large numbers of trees. Three recently introduced insects—emerald ash borer, Asian longhorned beetle, and Sirex woodwasp—are wood-infesting species that can be transported long distances in firewood. Once transported into new areas, these insects can become established and kill local trees. We must **STOP THE SPREAD** of these insects and protect our forests and trees.

## How you can help:

- Leave firewood at home—do not transport it to campgrounds or parks.
- Use firewood from local sources.
- If you have moved firewood, burn all of it before leaving your campsite.



Inset photo: Asian longhorned beetle larva (courtesy of Thomas B. Denholm, New Jersey Dept. of Agriculture; www.forestryimages.org)

# HELP STOP INVASIVE PESTS

For more information, visit the following Web sites:  
[www.emeraldashborer.info](http://www.emeraldashborer.info)  
[www.na.fs.fed.us/fhp](http://www.na.fs.fed.us/fhp)  
[www.aphis.usda.gov/ppq/ep](http://www.aphis.usda.gov/ppq/ep)



USDA Forest Service  
 Northeastern Area  
 State and Private Forestry  
 NA-PR-02-06  
 April 2006  
[www.na.fs.fed.us](http://www.na.fs.fed.us)

The USDA is an equal opportunity provider and employer.

# Perspective on the Firewood Industry

- Firewood producers are the first line of defense against these forest threats.
- The firewood industry is very important to West Virginia.
- The firewood industry in WV is mostly undocumented.

# WV Friends of Firewood Network

Elizabeth Basham

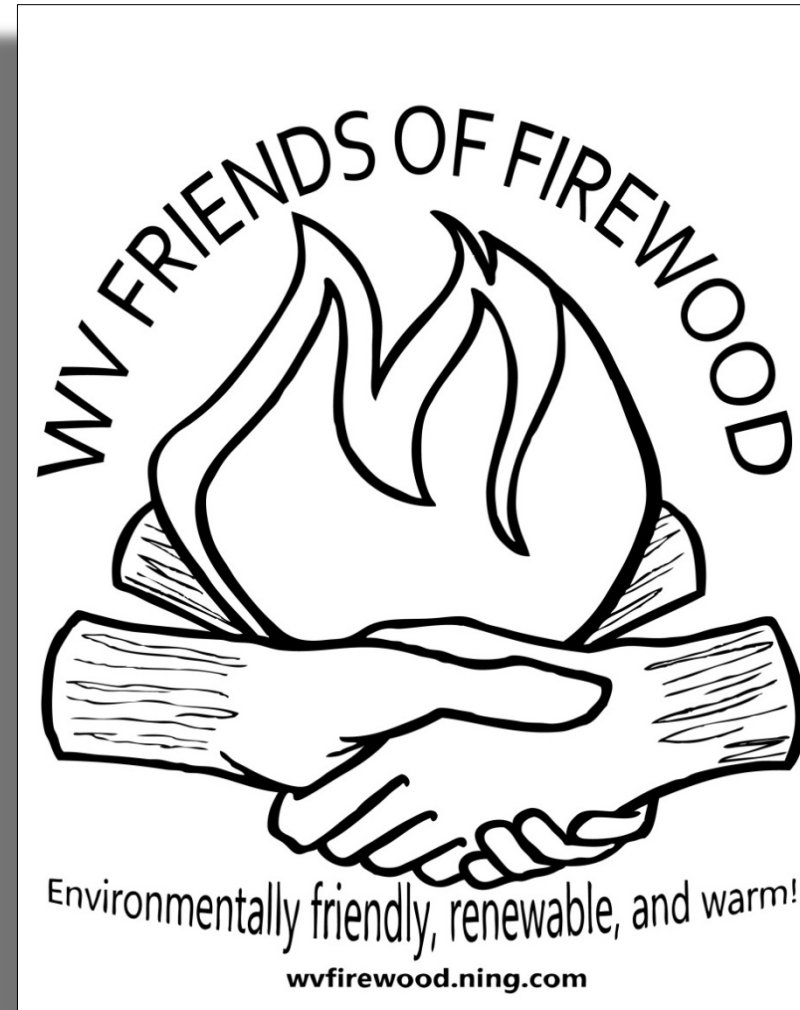
WVU Graduate Research Assistant and  
Coordinator

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Dr. Ben Spong

WVU Forestry Extension Specialist



# Purpose

To develop a network of firewood producers and promote their industry

Note: The WV Friends of Firewood Network is not geared toward *regulating* firewood!

# Components of Friends of Firewood

- Contact/survey firewood producers to learn about industry
- Provide educational workshops to promote the producers
- Develop a network of producers in WV

# Surveys

- Four main objectives. To explore:
  - Various business and marketing practice
  - Knowledge of invasive species, quarantines and wood sterilization practices
  - Common injuries and safety practices
  - Assess interest in educational topics



# Two-part survey

- Telephone interview
  - Designed to be quick and easy
- Mail-based questionnaire
  - Contained more specific questions

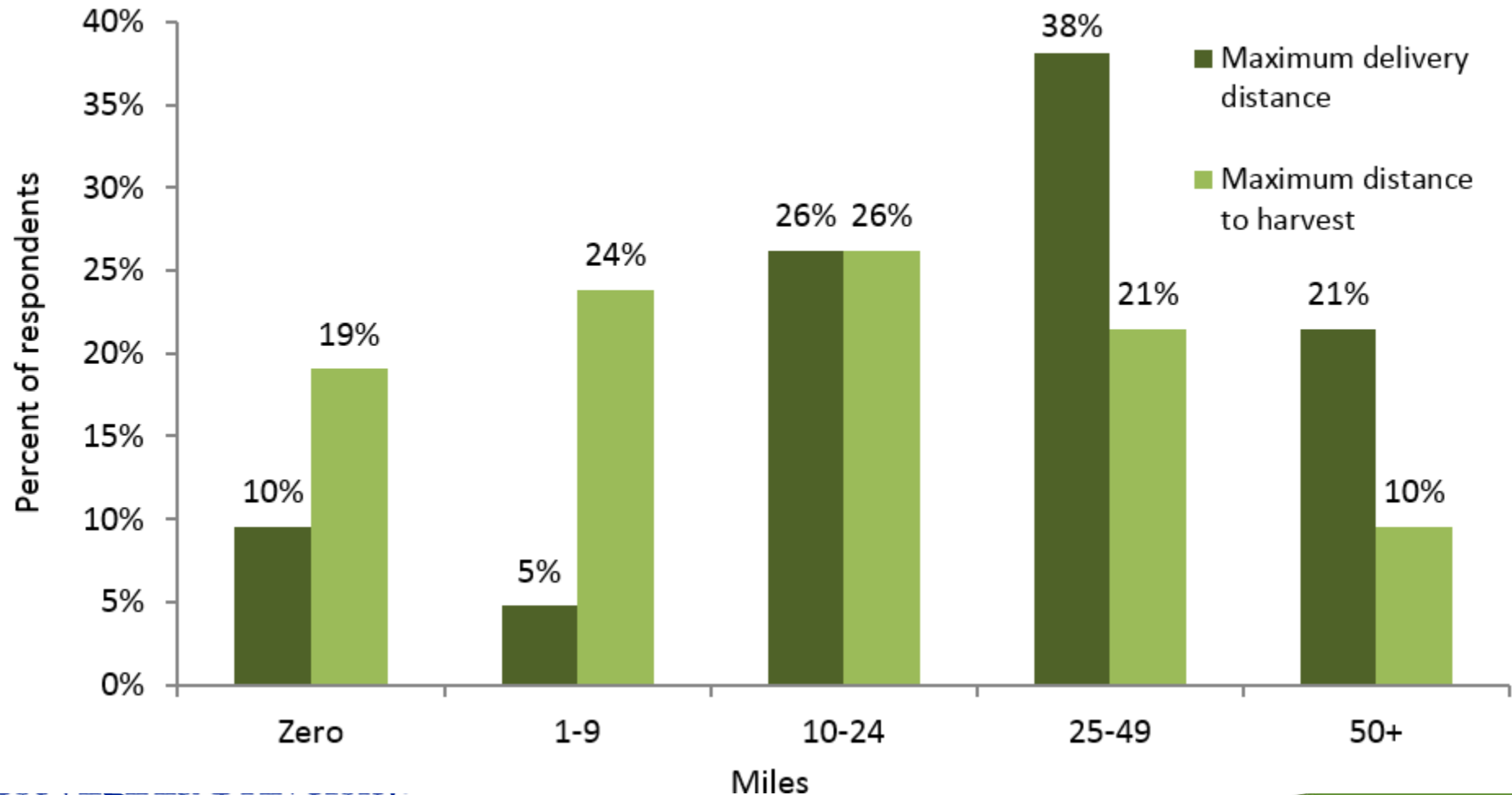
# Telephone Interview Results

- 429 telephone numbers collected
- 286 eligible contacts
  - 102 willing to participate
  - Others were refusals, ineligible, and noncontacts
  - 35% response rate
  - 59% cooperation rate
  - 80 agreed to provide their address and complete a mailed questionnaire

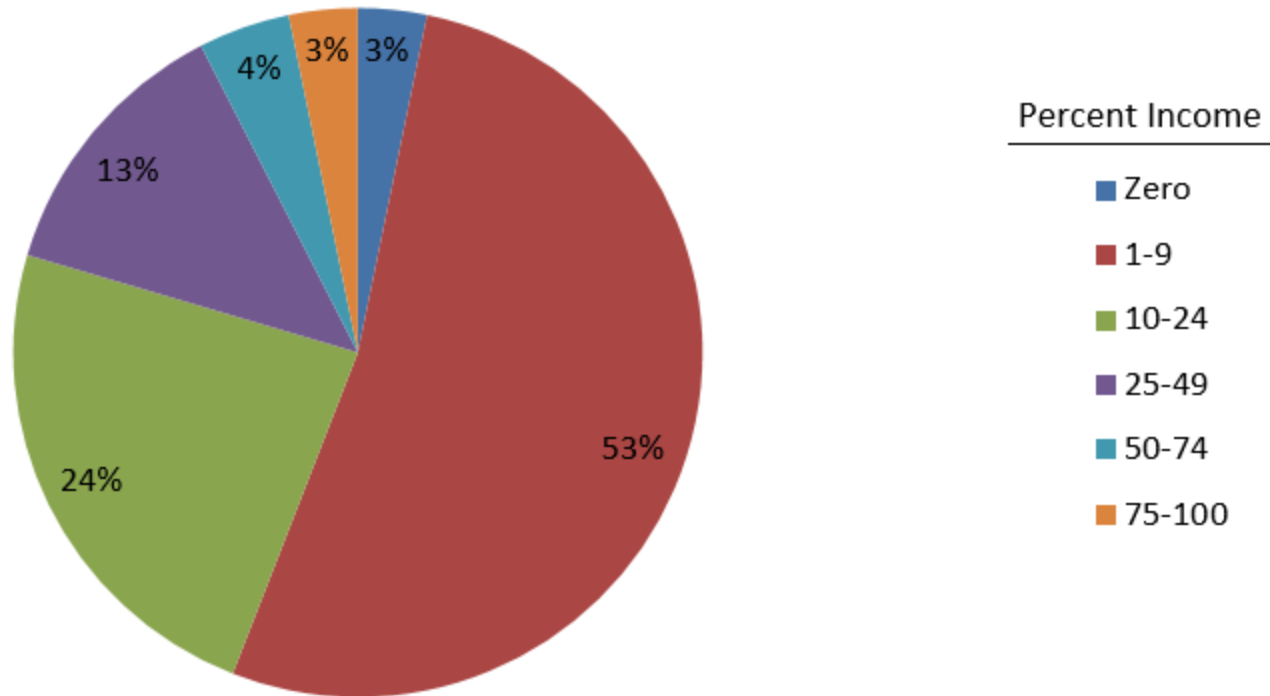
# Mailed Questionnaire Results

- 80 firewood producers agreed to complete
  - 44 questionnaires returned
  - 2 were partials
  - 53% response rate
  - 95% cooperation rate

# Distance willing to travel to deliver

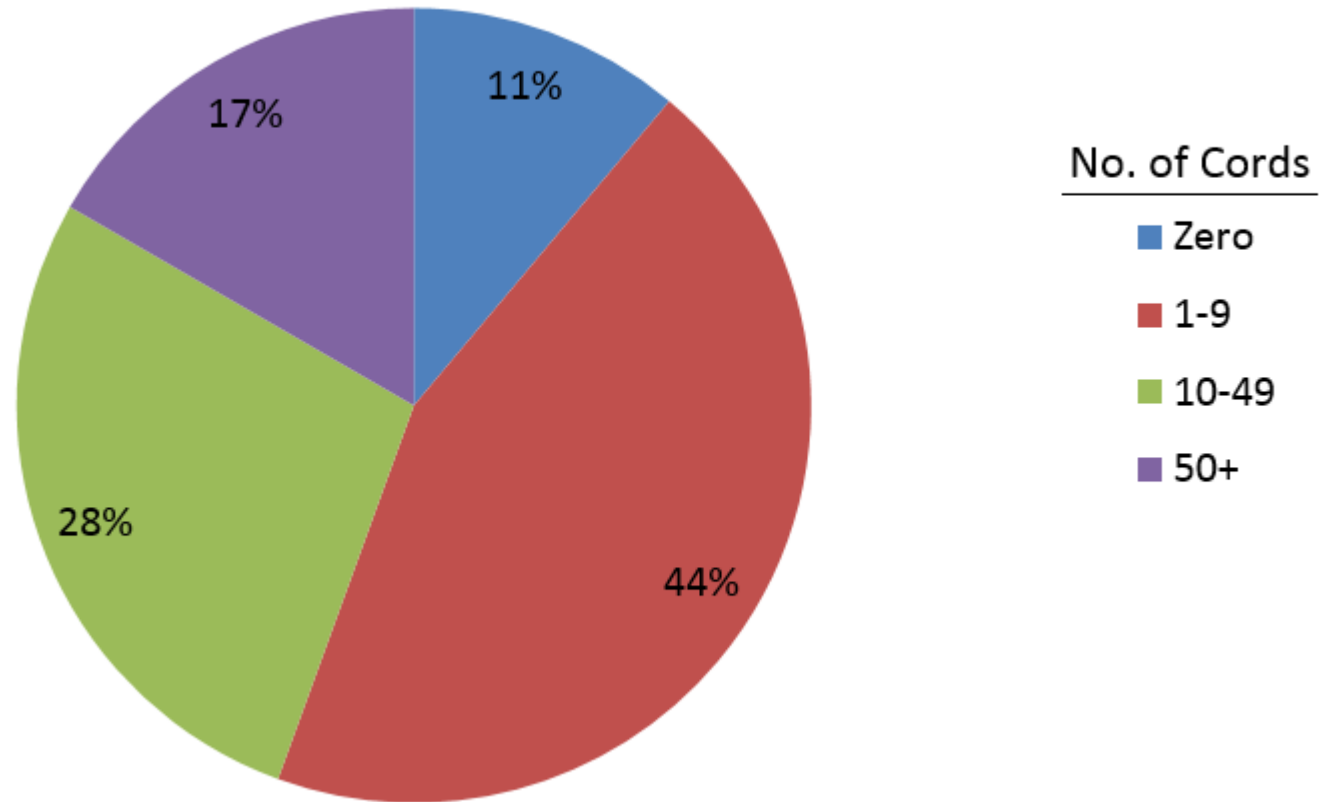


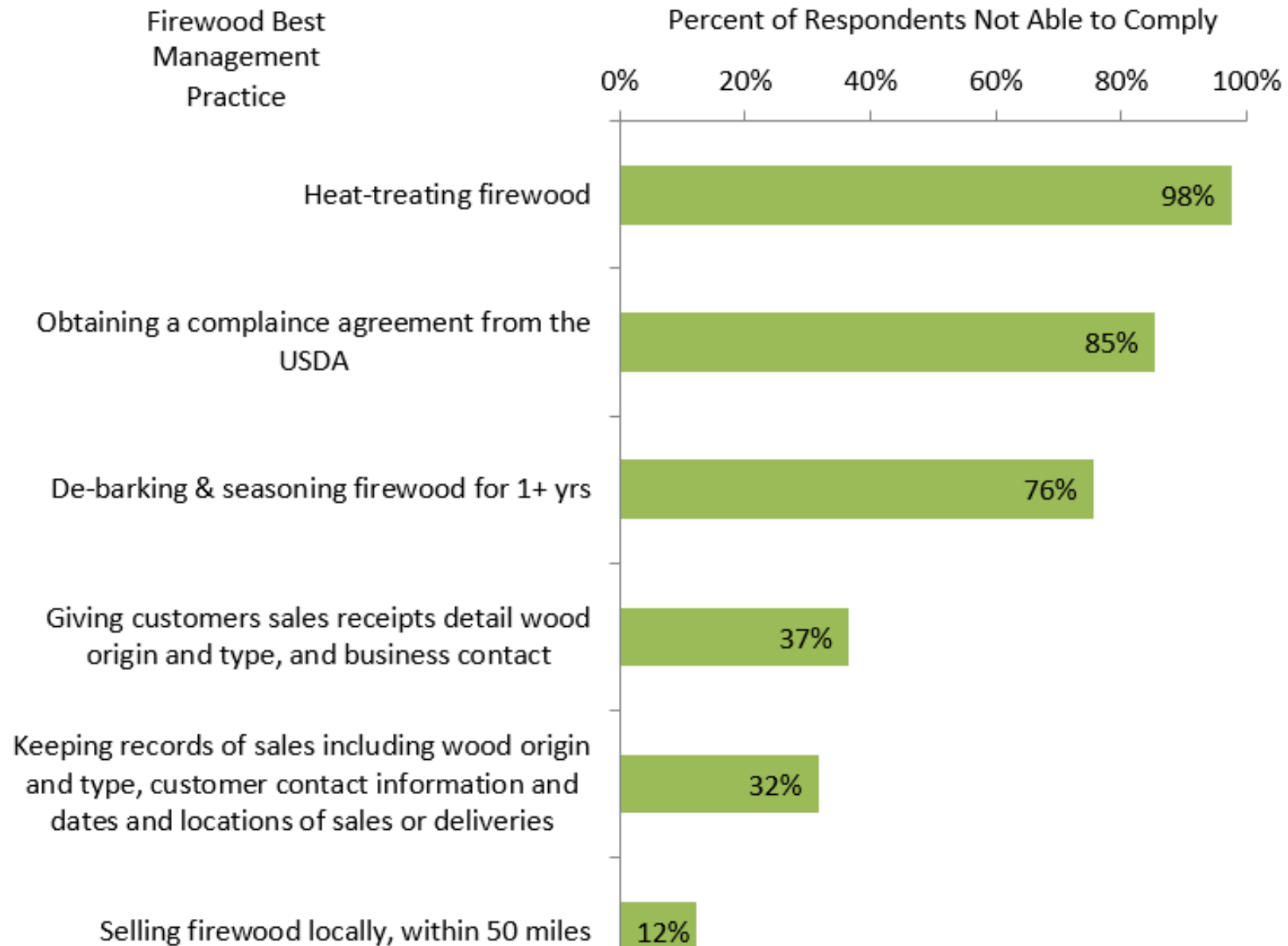
# Percentage of total income



<b>Most Common Injury (Location/Type)</b>	<b>Percent of All Respondents</b>
Hands/Smashing, bruising or pinching	27%
No injury	23%
Shoulder or back/Sore or aching	12%
Unspecified/Splinters or blisters	10%
Unspecified/Sore or aching	7%
Unspecified/Smashing, bruising or pinching	6%
Unspecified/Lacerations, cuts or scrapes	4%
Feet/Smashing, bruising or pinching	4%
Shoulder or Back/Muscular (tearing of tendons/ligaments, beyond sore)	3%
Hands/Bone breaks	2%
Hands/Lacerations, cuts or scrapes	2%
Hands/Splinters or blisters	2%
Legs/Lacerations, cuts or scrapes	2%
Feet/Bone breaks	2%
Unspecified/Muscular (tearing of tendons/ligaments, beyond sore)	1%
Legs/Smashing, bruising or pinching	1%

# Number of cords sold in 2012-2013







# Community firewood dealer certificate?

<b>Reasons to Certify</b>	<b>Percent of Responses (n = 7)</b>
Good for business	57%
Get information/knowledge	43%
Networking	14%

<b>Reasons Against Certifying</b>	<b>Percent of Responses (n =13)</b>
Not worth it	46%
No time	31%
Don't sell enough	23%
Personal use only	8%
Cost	8%

# wv friends of firewood

PROMOTING A SUSTAINABLE FIREWOOD INDUSTRY IN WEST VIRGINIA

MAIN INVITE MY PAGE MEMBERS PHOTOS VIDEOS EVENTS BLOGS FORUM CHAT MY NETWORK

## LATEST ACTIVITY



Dave McGill posted a photo



Paul and Rohen with load of wood March 8 2013  
Wood delivery. It's great to get a nice dry load just when you need it!

14 hours ago

 0  0




Elizabeth Basham left a comment for Scott Salveson  
"Hey Scott! Thanks for joining!"

Wednesday



Scott Salveson is now a member of WV Friends of Firewood

Wednesday

 Welcome Them!



Elizabeth Basham left a comment for Amanda H  
"Welcome Amanda! We look forward to working with the National Firewood Association to promote firewood as a sustainable energy product!"

Wednesday



Erin Ripley, Brian L. and

## 




European white birch (*Betula pendula*) at local store  
December 16, 2012  
Monongalia County


## DAVE MCGILL

Sign Out

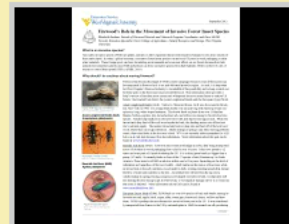
 Inbox

 Alerts

 Friends - Invite

 Settings

## PHOTOS



+ Add Photos



View All

## VIDEOS



Building a Solar Wood Dehydrator

Added by Elizabeth Basham

 0  0



Main Room

## EVENTS

+ Add an Event

## WVFA Membership

### Membership Category & Dues Amount

Name

Company

Address

City

State

Zip

- .....
- Individual \$60.00
- Firewood Producer \$60
- Woodland Owner 5 cents per acre 1st 25,000 acres & \$.0165 per for additional acres (\$60.00 min)
- Consulting Foresters \$85.00 (1 Forester in firm), \$50 for each additional forester
- Sawmill \$155.00/MMbf (\$75.00 min)
- Manufacturing \$150.00 plus \$3.00/employee
- Dimension, Millwork, Cabinetmakers \$150.00 plus \$3.00/employee
- Wholesalers and Dealers (Lumber, Equipment, etc.) \$180.00 - \$1,000.00
- Brokers \$500.00
- Loggers \$85.00 plus \$25 per additional crew
- Plywood Board Mills 0-10.5MMsq. ft. \$300.00
- Veneer Board Mills 0-10.5MMsq. ft. \$300.00
- Manufactured Board Mills 0-10.5MMsq. ft. \$300.00
- Plywood Board Mills more than 10.5MMsq. ft. \$.030 per thous. sq. ft. of previous years production
- Veneer Board Mills more than 10.5MMsq. ft. \$.030 per thous. sq. ft. of previous years production
- Manufactured Board Mills more than 10.5MMsq. ft. \$.030 per thous. sq. ft. of previous years production
- Steward \$800.00 beyond appropriate category dues
- Sustaining \$1,200.00 beyond appropriate category dues
- Student \$20.00
- .....

# Next steps...

- Continued outreach education
- Expansion of workshops to bring producers together using processing technology

# END

