PRIMARY WOOD USING MILL QUESTIONNAIRE

[STATE], 2018

The objective of this survey is to collect and compile quantities and types of logs received by primary wood processing mills, and the disposal of mill residues resulting from the manufacturing or processing of wood products. While you are not required to respond, your cooperation is needed to make the results of the survey comprehensive, accurate, and timely.

Please provide information as complete and accurate as possible. If complete records are not available, please give your best estimates. If some questions do not apply to your operation, please skip and continue to the form's next item.

In the volume reported, please do not include logs or bolts sold or transferred to another primary processing plant.

INDIVIDUAL MILL INFORMATION WILL BE HELD STRICTLY CONFIDENTIAL WITH ONLY INDUSTRY DATA SUMMARIZED AT COUNTY AND STATE LEVELS AVAILABLE.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, DC 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB# 0596-0010), Washington, DC 20503.
The following instructions are provided to help you fill out the accompanying survey form. This survey form (Primary Wood Using Mill Questionnaire) has been designed to determine: the location, size, and composition of the primary wood-using mills in your State; the volume of roundwood harvested by product, species, and geographic location; and the volume and disposition of wood residues generated during primary processing, for the calendar year indicated. Your cooperation in completing this form for your mill will make the results of this survey comprehensive, accurate, and timely. All information is held in confidentiality and used only for statistical reports. No individual mill production data will be released. Your cooperation is greatly appreciated.

Please be as accurate and complete as possible when providing information. If complete records are not available, please give your best estimates. If some questions do not apply to your operation, please skip and continue to the next item.

When reporting volume, please do not include logs or bolts sold/transferred to another primary processing plant in the U.S., or to log brokers.

ROUNDWOOD is defined as any log, bolt, or other round section (including chips from roundwood) cut from trees for industrial or consumer use. This includes saw logs, veneer logs, cooperage logs and bolts, pilings, poles, posts, hewn ties, and various other round, split, or hewn products.

Page 1 -- Section 1. Mill Information

- (Section 1.1) Fill in the mill name and parent company name (if applicable) and mailing address.
- (Section 1.2) Record the address of the actual mill location, if different from the mill's mailing address.
  - Record the name of the county in which the mill is located.
- (Section 1.3) Record the name and phone number of the owner, manager, or person that can be contacted if there are any questions concerning the information on the survey form.
- (Section 1.4) Check the box under ‘Mill Type’ that indicates the type of roundwood received at the mill for processing. If the mill processes more than one type of roundwood, complete a separate page 2 and page 4 for each type.
- (Section 1.5) Check the box indicating the mill status during the survey year. If no raw material was received at this mill location during the survey year, check the box indicated and please return the survey form in the enclosed envelope. No further information is needed.
- (Section 1.6) Indicate if the mill is a portable mill, the number of employees (full-time equivalents), when the mill was established, and the annual capacity and unit of measure (example - thousand board feet for saw logs or thousand pieces for posts) of the mill when operating at full capacity.
- (Section 1.7) Check the appropriate box to indicate if in-wood chips and/or tops and limb wood was received and used for boiler/hog fuel.
  - If you want the mill name and address to be withheld from ‘Regional/Statewide Industry’ directories please check the appropriate box.
  - Check the ‘YES’ box to be notified about the report resulting from this study.
**Section 2. Raw Material (logs/roundwood) Received and Processed at this mill in 2018**

- **(This page should be completed for each ‘Type of Roundwood Processed’ selected in section 2.1.)**
  - (Section 2.1) Check the box under ‘Type of Roundwood Processed’ that indicates the type of roundwood received at the mill for processing. **If the mill processes more than one type of roundwood, complete a separate page 2 for each.**
  - (Section 2.2) Enter the total volume of roundwood received at the mill for the ‘Type of Roundwood Processed’ checked in Section 2.1, the unit of measure, and the average log length and top diameter of logs processed at the mill. If the Unit of Measure is a weight measurement (example - green tons), please indicate the conversion factor the mill uses for pounds per board foot or pounds per cord.
  - (Section 2.3) Indicate if your mill processes logs from cities or towns (urban areas). If so, indicate what percent of the reported volume in Section 2.2 came from urban areas during the survey year.
    - Indicate what percent of the reported volume in Section 2.2 came from salvaged dead trees from forest land during the survey year.
  - (Section 2.4) Enter the amount or percent of each species group processed at the mill for the raw material (logs/roundwood) checked in Section 2.2.
    - At the top of the columns across the table, enter the county that the raw material (logs/roundwood) came from. Include the state and/or foreign country if material originated outside of your state.
    - Then, fill in the table by entering the amount (or percent) of each species that came from each county. If the species is not listed, enter it into the last two rows labeled ‘Other’ from the list of other species at the bottom of the page. The sum of each row should = 100%.
    - If you need more space, please duplicate the page.

**Section 3. Mill Equipment in Use and Products Produced in 2018**

- (Section 3.1) Check the mill equipment found at the mill and used in the processing of logs/roundwood.
- (Section 3.2) Enter the percent of each product group for each ‘Type of Roundwood Processed’ in Section 2.1. Example: 50% rough/grade lumber, 25% pallets/pallet lumber 25% cants, and 100% Posts - fencing. Sums to 100% for the ‘Saw logs’ group and 100% for the ‘Post, poles, and pilings’ group.
- (Section 3.3) Enter the total amount produced for each ‘Type of Roundwood Processed’ in section 2.1, the unit of measure, and the percent dressed for lumber. Enter the percent of finished product exported out of the United States, if any.

**Section 4. Mill Residue and Mill Residue Use in 2018**

- **(This page should be completed for each ‘Type of Roundwood Processed’ selected in section 2.1.)**
  - (Section 4.1) Check the box under ‘Type of Roundwood Processed’ that indicates the type of roundwood received at the mill for processing. **If the mill processes more than one type of roundwood, complete a separate page 4 for each.**
  - (Section 4.2) Enter the percent for each type mill residue, by softwoods and hardwoods, and how it was disposed, whether sold, given away, or paid to dispose of. The columns should sum to 100%.
    - Only record shavings if the mill has a planer.
Section 1—Mill Information

1.1 Mill Name

Mailing address

(Street)  (City)  (State and Zip code)

(Phone)  (Fax)  (Company's e-mail)

Mill/Company's Website

Parent Company Name (if different from Mill Name):

Parent Company mailing address (if different from Mill):

(Street)  (City)  (State, Zip code)

1.2 Mill's physical location (if different from mailing address)

Physical address

(Street)  (City)  (State and Zip code)

County of mill

1.3 Contact information

Contact's name and title

(Contact's phone )  (Fax)  (Contact's e-mail)

1.4 Mill Type- check one (If more than one mill type at this site, please complete a separate survey form for each mill type)

- Sawmill
- Veneer/plywood mill
- Roundwood/unprocessed logs
- Post mill
- Pole mill
- Exported out of the Country
- House/Cabin log mill
- Piling mill
- Industrial fuelwood/biofuels
- Miscellaneous/Other (specify)

1.5 Mill status (check)

- New
- Active
- Idle
- Closed/Out of business
- Dismantled

Check this box if no raw material (logs/roundwood) was processed at this mill during calendar year 2018 and return the form. No further information is needed.

1.6 Mill info

Is this a portable mill?  YES  NO

Number of employees: __________  Year mill established: __________

Annual mill capacity (volume per year when operating at full capacity): __________  Unit of measure: __________

1.7 During calendar year 2018

Was in-woods chips, whole-tree chips &/or tops and limbwood received and used for boiler/hog fuel? YES  NO

Would you like to omit the mill information from "Regional/Statewide Industry" Directories

Would you like to receive a copy of the report resulting from this study

Official Use Only:

State of mill (fip):  County of mill (fip):  Mill Number:  Latitude:  Longitude:  

Interviewers Name and Title  Phone  Date of Interview

Interview type:  mail  phone  personal contact  e-mail
### Section 2—ORIGINS AND SPECIES OF ROUNDWOOD PROCESSED

**2.1 Type of Roundwood Processed (check one).** From Section 1.4. (Please complete a separate form for each TYPE checked.)

<table>
<thead>
<tr>
<th>Type of Processed</th>
<th>Sawmill</th>
<th>Industrial fuelwood/biofuels</th>
<th>Piling mill</th>
<th>Roundwood exported out of the United States</th>
<th>Veneer/plywood mill</th>
<th>Post mill</th>
<th>Pole mill</th>
<th>Miscellaneous/other mill (Example - Shavings mill) (specify): ______________________________</th>
</tr>
</thead>
</table>

**2.2 Amount of Roundwood received and processed at the mill in 2018.**

Enter the TOTAL amount of Raw Material (Logs/Roundwood) received and processed at the mill for 'Type of Roundwood Processed' checked in 2.1 above.

- [ ] MBF Doyle
- [ ] BF Doyle
- [ ] MBF Scribner
- [ ] BF Scribner
- [ ] MBF International 1/4-inch rule
- [ ] BF International 1/4-inch rule
- [ ] MBF Lumber tally
- [ ] BF Lumber Tally

Please Check the Unit of Measure:

- [ ] Standard cord
- [ ] Lake States cord (100 in.)
- [ ] Pieces
- [ ] Thousand pieces
- [ ] Thousand cubic feet
- [ ] Other (specify)

If Unit of measure is a weight, enter a weight conversion factor:

- [ ] Softwoods
- [ ] Hardwoods

- [ ] _lbs. per MBF or _lbs. per cord

- [ ] _lbs. per MBF or _lbs. per cord

**2.3 Non-forest and salvage sources in 2018.**

Do you process any logs from cities or towns (urban areas) at your mill?  
- [ ] YES  
- [ ] NO  

If YES, what percent of the total roundwood received was from urban wood?  

What percent of the total roundwood received was from salvaged dead trees from forested areas?  

**2.4 Species and Origin of roundwood received at mill in 2018.**

Please complete the matrix to the best of your knowledge. If you don’t know the exact origin please give approximate values for the top counties within the mill’s procurement zone.

Provide county name as headings for column below. If out of state or foreign origin please specify state or Country. Add additional sheets as needed.

<table>
<thead>
<tr>
<th>Species Group Name</th>
<th>Amount or Percentage received by spp</th>
<th>Species Group Name</th>
<th>Amount or Percentage received by spp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loblolly/shortleaf pine</td>
<td>100%</td>
<td>Loblolly/shortleaf pine</td>
<td>100%</td>
</tr>
<tr>
<td>Red pine</td>
<td>100%</td>
<td>Red pine</td>
<td>100%</td>
</tr>
<tr>
<td>White pine</td>
<td>100%</td>
<td>White pine</td>
<td>100%</td>
</tr>
<tr>
<td>Other pines</td>
<td>100%</td>
<td>Other pines</td>
<td>100%</td>
</tr>
<tr>
<td>Hemlock</td>
<td>100%</td>
<td>Hemlock</td>
<td>100%</td>
</tr>
<tr>
<td>Ash</td>
<td>100%</td>
<td>Ash</td>
<td>100%</td>
</tr>
<tr>
<td>Aspen/balsam poplar</td>
<td>100%</td>
<td>Aspen/balsam poplar</td>
<td>100%</td>
</tr>
<tr>
<td>Basswood</td>
<td>100%</td>
<td>Basswood</td>
<td>100%</td>
</tr>
<tr>
<td>Beech</td>
<td>100%</td>
<td>Beech</td>
<td>100%</td>
</tr>
<tr>
<td>Yellow birch</td>
<td>100%</td>
<td>Yellow birch</td>
<td>100%</td>
</tr>
<tr>
<td>Other birch</td>
<td>100%</td>
<td>Other birch</td>
<td>100%</td>
</tr>
<tr>
<td>Black cherry</td>
<td>100%</td>
<td>Black cherry</td>
<td>100%</td>
</tr>
<tr>
<td>Elm</td>
<td>100%</td>
<td>Elm</td>
<td>100%</td>
</tr>
<tr>
<td>Hickory</td>
<td>100%</td>
<td>Hickory</td>
<td>100%</td>
</tr>
<tr>
<td>Soft maple</td>
<td>100%</td>
<td>Soft maple</td>
<td>100%</td>
</tr>
<tr>
<td>Hard maple</td>
<td>100%</td>
<td>Hard maple</td>
<td>100%</td>
</tr>
<tr>
<td>Red oak</td>
<td>100%</td>
<td>Red oak</td>
<td>100%</td>
</tr>
<tr>
<td>White oak</td>
<td>100%</td>
<td>White oak</td>
<td>100%</td>
</tr>
<tr>
<td>Sycamore</td>
<td>100%</td>
<td>Sycamore</td>
<td>100%</td>
</tr>
<tr>
<td>Tupelo/blackgum</td>
<td>100%</td>
<td>Tupelo/blackgum</td>
<td>100%</td>
</tr>
<tr>
<td>Yellow-poplar</td>
<td>100%</td>
<td>Yellow-poplar</td>
<td>100%</td>
</tr>
<tr>
<td>Other: from list below</td>
<td>100%</td>
<td>Other: from list below</td>
<td>100%</td>
</tr>
<tr>
<td>Other species</td>
<td>100%</td>
<td>Other species</td>
<td>100%</td>
</tr>
<tr>
<td>Cedar/juniper</td>
<td>100%</td>
<td>Cedar/juniper</td>
<td>100%</td>
</tr>
<tr>
<td>Jack pine</td>
<td>100%</td>
<td>Jack pine</td>
<td>100%</td>
</tr>
<tr>
<td>Longleaf/slash pine</td>
<td>100%</td>
<td>Longleaf/slash pine</td>
<td>100%</td>
</tr>
<tr>
<td>Ponderosa/jeffrey pine</td>
<td>100%</td>
<td>Ponderosa/jeffrey pine</td>
<td>100%</td>
</tr>
<tr>
<td>Spruce</td>
<td>100%</td>
<td>Spruce</td>
<td>100%</td>
</tr>
<tr>
<td>Cottonwood</td>
<td>100%</td>
<td>Cottonwood</td>
<td>100%</td>
</tr>
<tr>
<td>White/paper birch</td>
<td>100%</td>
<td>White/paper birch</td>
<td>100%</td>
</tr>
<tr>
<td>Other softwoods not listed</td>
<td>100%</td>
<td>Other softwoods not listed</td>
<td>100%</td>
</tr>
<tr>
<td>Other hardwoods not listed</td>
<td>100%</td>
<td>Other hardwoods not listed</td>
<td>100%</td>
</tr>
</tbody>
</table>

*Note: Species Group Name and Amount or Percentage received by spp are not provided in the image.*
Section 3—Mill equipment, products produced, production amounts, and boiler/hog fuel, amounts.

3.1 Check type of equipment in use.

<table>
<thead>
<tr>
<th>Headsaw</th>
<th>Veneer</th>
<th>Other</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band saw</td>
<td>Sliced veneer equipment</td>
<td>Debarker</td>
<td>Hammer mill</td>
</tr>
<tr>
<td>Circular saw</td>
<td>Peeled veneer equipment</td>
<td>Splitter</td>
<td>Firewood Processor</td>
</tr>
<tr>
<td>Scragg sawmill</td>
<td>Other - please specify</td>
<td>Dry kiln</td>
<td>Wood-fired boiler</td>
</tr>
<tr>
<td>Gang sawmill</td>
<td>Specify: ________</td>
<td>Treatting equipment</td>
<td>Optimizer equipment</td>
</tr>
<tr>
<td>Chip-N-Saw</td>
<td>Chip Canter</td>
<td>Machine stress-rating</td>
<td>Other - please specify</td>
</tr>
<tr>
<td>Resaw</td>
<td>Chipper</td>
<td>Post/Pole Peeler</td>
<td></td>
</tr>
<tr>
<td>Band saw</td>
<td>Planer</td>
<td>Shaving machine</td>
<td></td>
</tr>
<tr>
<td>Circular saw</td>
<td>Edger</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3.2 Products produced from logs received in 2018.
Enter the percent of the total for each group of products produced from logs, or chipped logs.

**Saw logs**
- % Rough/grade lumber
- % Dimension or stud lumber
- % Molding or trim
- % Siding
- % Pallets/pallet lumber
- % Timbers/supports
- % Ties (railroad ties)
- % Landscape timbers
- % Furniture stock
- % Crane mats
- % Lath/stakes
- % Cants
- % Flooring
- % Blocking/dunnage
- % Tight stave/cooperage
- % Slack stave/cooperage
- % Other sawn products - Specify: ______________

**House/cabin logs**
- % Cabins/house logs
- % Sawn house logs
- % Turned house logs
- % Hand-peeled house logs
- % Trusses and other house log products
- % Other House/cabin logs- Specify: ____________

**Bioenergy/Fuelwood**
- % Industrial fuelwood (co-gen,steam,etc)
- % Industrial fuelwood - electricity/power
- % Pellets - Residential grade
- % Pellets/briquettes - Industrial grade
- % Pellets - Torrefied
- % Pellets - other (please specify)
- % Pressed/reconstituted logs (Presto)
- % Liquid fuels - Ethanol
- % Liquid fuels - Other (aviation fuel,etc)
- % Other energy products - Specify: ______________

**Veneer logs**
- % Sheathing
- % Plywood
- % Boxes
- % Veneer/Face veneer
- % Other veneer - Specify: ______________

**Post, poles, and pilings**
- % Piling
- % Poles-utility
- % Poles-other
- % Posts-fencing
- % Posts-other
- % Round railings
- % Grape stakes
- % Log furniture
- % Other post, pole, piling product-
  Specify: ______________

**Other miscellaneous products**
- % Mulch, soil additives, compost
- % Chemical extractives
- % Split rail fencing
- % Shingles/shakes
- % Shavings/excelsior
- % Handles/blanks
- % Dowels/blanks
- % Novelty
- % Foreign Export logs
- % Other -
  Specify: ______________

Please enter amount of mill product produced from each type of RAW MATERIAL (Logs/roundwood) by softwoods and hardwoods.

<table>
<thead>
<tr>
<th>Product Produced</th>
<th>Softwoods</th>
<th></th>
<th></th>
<th>Hardwoods</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>Unit of Measure (codes below)</td>
<td>Percent Dressed/Planed (If sawn product)</td>
<td>Amount</td>
<td>Unit of Measure (codes below)</td>
<td>Percent Dressed/Planed (If sawn product)</td>
</tr>
<tr>
<td>Saw log products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veneer log products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>House logs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial fuelwood</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Posts, poles, and pilings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other - (Ex. Shavings)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Units of Measure**
- 16 - Lumber Tally (MBF)
- 61 - Pieces
- 71 - Square Feet
- 99 - Other (specify): ______________

Percent of finished product exported out of the United States: __________%.
Section 4—MILL RESIDUE GENERATED and DISPOSITION

NOTE: Complete a separate Section 4 for each 'Type of Roundwood Processed' checked in Section 1.4, except for logs exported out of the United States. Section 4 does not need to be completed for logs exported out of the United States.

### 4.1 Type of Roundwood Processed (check one). From Section 1.4.

- [ ] Saw logs
- [ ] Industrial fuelwood
- [ ] Pilings
- [ ] Veneer/plywood logs
- [ ] Poles
- [ ] Miscellaneous/other mill (Example - Shavings mill)
- [ ] House/cabin logs
- [ ] Posts

### 4.2 Disposal of mill residues in 2018

Instructions: For each type of wood residue generated at your mill, enter the percentage that was disposed of by the various means. Each column should sum to 100% for each species group recorded.

<table>
<thead>
<tr>
<th>Disposal of Mill Residues</th>
<th>BARK (chips, slabs, edgings, trims, cores, etc.)</th>
<th>COARSE (chips, slabs, edgings, trims, cores, etc.)</th>
<th>FINE (Planer or Lathe)</th>
<th>CULL LOGS/SHORT SECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacture of fiber/composite products</td>
<td>Softwood %</td>
<td>Hardwood %</td>
<td>Softwood %</td>
<td>Hardwood %</td>
</tr>
<tr>
<td>Small dimension and other sawn products</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charcoal or chemical wood</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial fuel at this plant (on-site)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial fuel at other plants</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bio-energy pellets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Bio-energy products (biodiesel, etc)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential fuelwood</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mulch/Soil additive (includes biochar)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Animal bedding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other misc. uses- please specify:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOT USED (land fill, burned, etc.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL 100% 100% 100% 100% 100% 100% 100% 100% 100% 100%

Section 5.1—Volume of hog fuel/industrial fuelwood received in 2018.

If you answered yes to the in-wood chips question (page 1, item 1.7), please provide the volume received in 2018.

<table>
<thead>
<tr>
<th>Origin of byproduct (for)</th>
<th>Boiler/hog fuel volume</th>
<th>Check the unit of Measure (only one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State or foreign country</td>
<td>Softwood</td>
<td>Hardwood</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>