

Forest Service, U.S. Department of Agriculture  
Northern Research Station  
1992 Folwell Ave.  
St. Paul, MN 55108  
Phone Number: (651) 649-5150; Fax: (651) 649-5140

Form Approved  
OMB 0596-0010  
Expires: -- 2/28/2022

## **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.*

## Instructions for the "PRIMARY WOOD USING MILL QUESTIONNAIRE"

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.

## Page 2 -- 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.

## Page 3 -- 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.

## Page 4 -- 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.

**PRIMARY WOOD USING MILL QUESTIONNAIRE**  
**[STATE], 2018**

**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)**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Sawmill                      | <input type="checkbox"/> Post mill                           | <input type="checkbox"/> Roundwood/unprocessed logs |
| <input type="checkbox"/> Veneer/plywood mill          | <input type="checkbox"/> Pole mill                           | Exported out of the Country                         |
| <input type="checkbox"/> House/Cabin log mill         | <input type="checkbox"/> Piling mill                         |   |
| <input type="checkbox"/> Industrial fuelwood/biofuels | <input type="checkbox"/> 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?

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

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>

**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.)**

<input type="checkbox"/> Sawmill	<input type="checkbox"/> Industrial fuelwood/biofuels	<input type="checkbox"/> Piling mill	<input type="checkbox"/> Roundwood exported out of the United States
<input type="checkbox"/> Veneer/plywood mill	<input type="checkbox"/> Post mill	<input type="checkbox"/> Pole mill	
<input type="checkbox"/> House/cabin logs mill	<input type="checkbox"/> Pole mill	<input type="checkbox"/> Miscellaneous/other mill (Example - Shavings mill) (specify): _____	

**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 the 'Type of Roundwood Processed' checked in 2.1 above.  Amount: _____	<b>Please Check the Unit of Measure:</b> <input type="checkbox"/> MBF Doyle <input type="checkbox"/> Standard cord <input type="checkbox"/> BF Doyle <input type="checkbox"/> Lake States cord (100 in.) <input type="checkbox"/> MBF Scribner <input type="checkbox"/> Pieces <input type="checkbox"/> BF Scribner <input type="checkbox"/> Thousand pieces <input type="checkbox"/> MBF International 1/4-inch rule <input type="checkbox"/> Green tons <input type="checkbox"/> BF International 1/4-inch rule <input type="checkbox"/> Thousand cubic feet <input type="checkbox"/> MBF Lumber tally <input type="checkbox"/> Other : (specify): _____ <input type="checkbox"/> BF Lumber Tally	If Unit of measure is a weight, enter a weight conversion factor  Softwoods _____ lbs. per MBF or _____ lbs. per cord Hardwoods  _____ lbs. per MBF or _____ lbs. per cord	Average Log Length (in feet)	Average Log Top Diameter (in inches)
---	---	--	------------------------------	--------------------------------------

**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.								
Species Group Name	Amount or Percentage received by spp									Species total All Counties
Cedar/juniper										100%
Loblolly/shortleaf pine										100%
Other pines										100%
Ash										100%
Basswood										100%
Beech										100%
Black walnut										100%
Black cherry										100%
Cottonwood										100%
Elm										100%
Hickory										100%
Hard maple										100%
Soft maple										100%
Red oak group										100%
White oak group										100%
Sweetgum										100%
Sycamore										100%
Tupelo/blackgum										100%
Yellow-poplar										100%
Other: from list below										100%
Other: from list below										100%

**Other species**      Cypress                      Longleaf/slash pine                      White pine                      Spruce                      White/paper birch                      Other softwoods not listed  
                                  Balsam fir                      Ponderosa/Jeffrey pine                      Hemlock                      Alder                      Yellow birch                      Other hardwoods not listed  
                                  Jack pine                      Red pine                      Tamarack                      Aspen/poplar spp.                      Other birch

**Section 3—Mill equipment, products produced, production amounts, and boiler/hog fuel, amounts.**

**3.1 Check type of equipment in use.**

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

**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.

<b>Saw logs</b>	<b>House/cabin logs</b>	<b>Post, poles, and pilings</b>
_____ % Rough/grade lumber	_____ % Cabins/house logs	_____ % Pilings
_____ % Dimension or stud lumber	_____ % Sawn house logs	_____ % Poles-utility
_____ % Molding or trim	_____ % Turned house logs	_____ % Poles-other
_____ % Siding	_____ % Hand-peeled house logs	_____ % Posts-fencing
_____ % Pallets/pallet lumber	_____ % Trusses and other house log products	_____ % Posts-other
_____ % Timbers/supports	_____ % Other House/cabin logs-	_____ % Round railings
_____ % Ties (railroad ties)	Specify: _____	_____ % Grape stakes
_____ % Landscape timbers	<b>Bioenergy/Fuelwood</b>	_____ % Log furniture
_____ % Furniture stock	_____ % Industrial fuelwood (co-gen,steam,etc)	_____ % Other post, pole, piling product
_____ % Crane mats	_____ % Industrial fuelwood - electricity/power	Specify: _____
_____ % Lath/stakes	_____ % Industrial fuelwood - heat/steam	<b>Other miscellaneous products</b>
_____ % Cants	_____ % Pellets - Residential grade	_____ % Mulch, soil additives, compost
_____ % Flooring	_____ % Pellets/briquettes - Industrial grade	_____ % Chemical extractives
_____ % Blocking/dunnage	_____ % Pellets - Torrefied	_____ % Split rail fencing
_____ % Tight stave/cooperage	_____ % Pellets - other(please specify)	_____ % Shingles/shakes
_____ % Slack stave/cooperage	Specify: _____	_____ % Shavings/excelsior
_____ % Other sawn products -	_____ % Pressed/reconstituted logs (Presto)	_____ % Handles/blanks
Specify: _____	_____ % Liquid fuels - Ethanol	_____ % Dowels/blanks
<b>Veneer logs</b>	_____ % Liquid fuels - Other (aviation fuel,etc)	_____ % Novelty
_____ % Sheathing	_____ % Other energy products -	_____ % Foreign Export logs
_____ % Plywood	Specify: _____	_____ % Other -
_____ % Boxes		Specify: _____
_____ % Veneer/Face veneer		
_____ % Other veneer -		
Specify: _____		

**3.3 Volume of product produced from Raw Material (Logs/Roundwood) Processed in 2018.**

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

Product Produced	Softwoods			Hardwoods		
	Amount	Unit of Measure (codes below)	Percent Dressed/Planned (If sawn product)	Amount	Unit of Measure (codes below)	Percent Dressed/Planned (If sawn product)
Saw log products						
Veneer log products						
House logs						
Industrial fuelwood						
Posts, poles, and pilings						
Other - (Ex. Shavings)						

**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 DISPOSTION**

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.**

<input type="checkbox"/> Saw logs	<input type="checkbox"/> Industrial fuelwood	<input type="checkbox"/> Pilings
<input type="checkbox"/> Veneer/plywood logs	<input type="checkbox"/> Poles	<input type="checkbox"/> Miscellaneous/other mill (Example - Shavings mill)
<input type="checkbox"/> House/ cabin logs	<input type="checkbox"/> 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.

Disposal of Mill Residues	BARK		COARSE (chips, slabs, edgings, trims, cores, etc.)		FINE				CULL LOGS/SHORT SECTIONS	
	Softwood %	Hardwood %	Softwood %	Hardwood %	Shavings (Planer or Lathe)		Sawdust		Softwood %	Hardwood %
					Softwood %	Hardwood %	Softwood %	Hardwood %		
Manufacture of fiber/composite products										
Small dimension and other sawn products										
Charcoal or chemical wood										
Industrial fuel at this plant (on-site)										
Industrial fuel at other plants										
Bio-energy pellets										
Other Bio-energy products (biodiesel, etc)										
Residential fuelwood										
Mulch/Soil additive (includes biochar)										
Animal bedding										
Other misc. uses- please specify: _____										
NOT USED (land fill, burned, etc.)										
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

**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

Origin of byproduct State or foreign country	(for	Boiler/hog fuel volume	
		Softwood	Hardwood

**Check the unit of Measure**  
(only one)

Dry tons

Green tons

Thousand cu. ft.

Other (specify): \_\_\_\_\_