



Mississippi's Timber Industry—Timber Product Output and Use, 2013

Introduction

This science update contains the findings of a 2013 canvass of all primary wood-using plants in Mississippi, and presents changes in product output and residue use since 2011. It complements the Forest Inventory and Analysis (FIA) annual inventory of volume and removals from the State's timberland. The canvass was conducted to determine the amount and source of wood receipts and annual timber product drain, by county, in 2013 and to determine interstate and cross-regional movement of industrial roundwood. Only primary wood-using mills were canvassed. Primary mills are those that process roundwood in log or bolt form or as chipped roundwood. Examples of industrial roundwood products are saw logs, pulpwood, veneer logs, poles, and logs used for composite board products. Mills producing products from residues generated at primary and secondary processors were not canvassed. Trees chipped in the woods were included in the estimate of timber drain only if they were delivered to a primary domestic manufacturer.

A 100-percent canvass of all wood processors in Mississippi was conducted in 2014 to obtain information for 2013. In addition, roundwood from out-of-State mills known to be using logs or bolts harvested from Mississippi timberland was incorporated into Mississippi production estimates. Each mill was canvassed by mail or through personal contact at plant locations. Telephone contacts followed mailed questionnaire responses when additional information or clarification of a response was necessary. In the event of a nonresponse, data collected in previous surveys were used to update the current survey. Surveys for all timber products other than pulpwood began in 1948, and are currently conducted every 2 years.

Pulpwood production data were taken from an annual canvass of all southern pulpmills. Medium density fiberboard, insulating board, and hardboard plants were included in this survey.

The FIA Research Work Unit of the Forest Service, U.S. Department of Agriculture developed the Timber Product Output (TPO) Database Retrieval System to help customers answer questions about timber harvesting and use in the Southern region. This system acts as an interface to a standard set of consistently coded TPO data for each State and county in the region and Nation. The database is well documented and easy to use. The retrieval system allows the user to select the TPO variables of interest and generate a standard set of timber products, removals, and mill

residue tables for the specified resource area, State, or region. The Excel® core tables and figures that complement this science update are available on the TPO database. The system is available through the FIA Web site: <https://srsfia2.fs.fed.us/>.

The SRS gratefully acknowledges the tremendous cooperation and assistance provided by the Mississippi Forestry Commission in collecting mill data. Appreciation is also extended to forest industry and mill managers for providing timber products information.

Table 1—Output of industrial products by product and species group, Mississippi, 2011 and 2013

Product and species group	Year		Change	Change
	2011	2013		
	----- thousand cubic feet -----		----- percent -----	
Saw logs				
Softwood	152,128	184,044	31,916	21.0
Hardwood	60,627	51,851	-8,776	-14.5
Total	212,755	235,895	23,140	10.9
Veneer logs				
Softwood	47,662	49,791	2,129	4.5
Hardwood	2,372	4,294	1,922	81.0
Total	50,034	54,085	4,051	8.1
Pulpwood				
Softwood	343,728	355,587	11,859	3.5
Hardwood	96,008	118,131	22,123	23.0
Total	439,736	473,718	33,982	7.7
Other industrial				
Softwood	21,297	37,170	15,873	74.5
Hardwood	954	6,767	5,813	609.3
Total	22,251	43,937	21,686	97.5
All industrial				
Softwood	564,815	626,592	61,777	10.9
Hardwood	159,961	181,043	21,082	13.2
Total	724,776	807,635	82,859	11.4

All Products

Industrial timber product output from roundwood increased 82.9 million cubic feet, or 11 percent, to 807.6 million cubic feet.

Output of industrial softwood roundwood products was up 11 percent, to 626.6 million cubic feet, while output of industrial hardwood roundwood products increased 13 percent to 181 million cubic feet (fig. 1).

Pulpwood and saw logs were the principal roundwood products in 2013. Combined output of these two products totaled 709.6 million cubic feet and accounted for 88 percent of the State’s total industrial roundwood output (fig. 2).

Total receipts at Mississippi mills, which included roundwood harvested and retained in the State and roundwood imported from

other States, were up 4 percent from 544.7 million cubic feet to 566.3 million cubic feet.

At the same time, the number of primary roundwood-using plants in Mississippi increased from 63 in 2011 to 64 in 2013 (fig. 3).

Across all products, 65 percent of roundwood harvested was retained for processing at Mississippi mills. Exports of roundwood to other States amounted to 282.8 million cubic feet, while imports of roundwood amounted to 41.4 million cubic feet making the State a net exporter of roundwood.

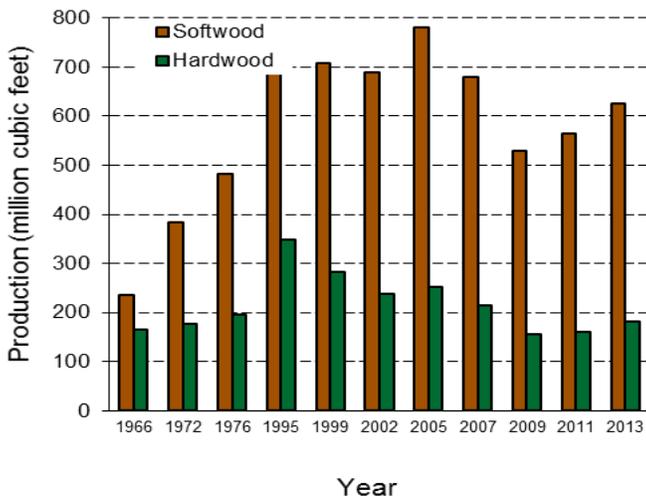


Figure 1—Roundwood production for all products by species group and year, Mississippi.

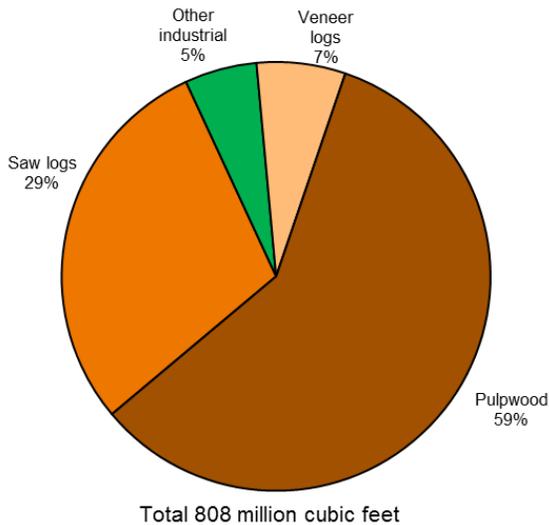


Figure 2—Roundwood production by type of product, Mississippi, 2013.

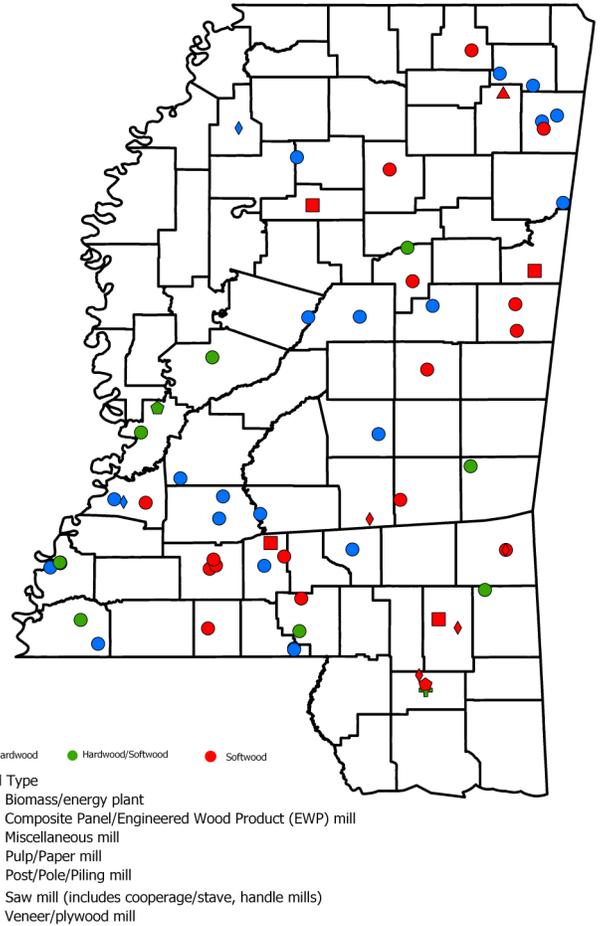


Figure 3—Primary wood-using mills, Mississippi, 2013.

Pulpwood

Total pulpwood production increased 8 percent to 473.7 million cubic feet and accounted for 59 percent of the State’s total roundwood TPO compared to 61 percent of total TPO in 2011. Softwood output was up 4 percent to 355.6 million cubic feet; hardwood output increased 23 percent to 118.1 million cubic feet (fig. 4).

Five pulp mill facilities were operating and receiving roundwood in Mississippi in 2013, the same since 2005. Total pulpwood receipts for these mills decreased to 257.4 million cubic feet, accounting for 45 percent of total receipts for all mills.

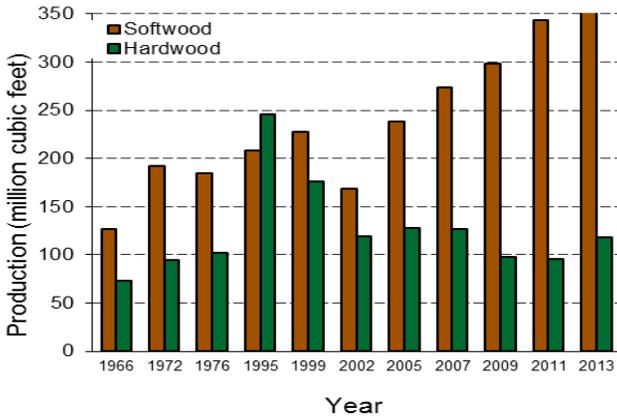


Figure 4—Roundwood pulpwood production by species group and year, Mississippi.

Fifty-one percent of roundwood cut for pulpwood was retained for processing at Mississippi pulpmills. Roundwood pulpwood accounted for 81 percent of total known exports and 34 percent of total imports.

Saw Logs

Saw logs accounted for 29 percent of the State’s total roundwood products. Output of softwood saw logs increased 21 percent to 184

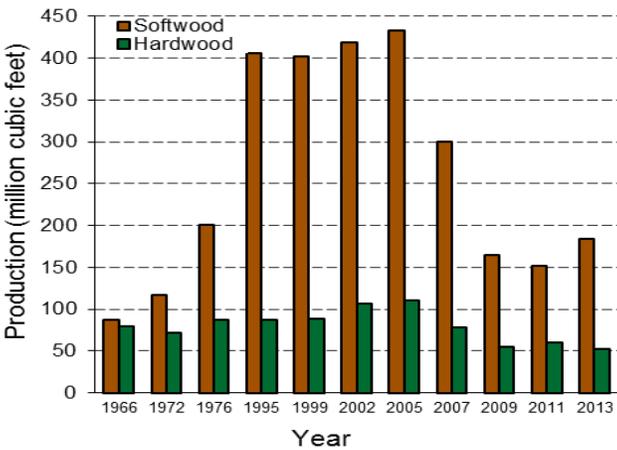


Figure 5—Roundwood saw-log production by species group and year, Mississippi.

million cubic feet, while that of hardwood saw logs was down 15 percent to 51.9 million cubic feet (fig. 5).

In 2013, Mississippi had 47 sawmills, 1 mill less than in 2011. Total saw-log receipts were up 16.8 million cubic feet to 221.7 million cubic feet. Softwood saw-log receipts increased 18 percent to 171.2 million cubic feet, while those of hardwoods were down 16 percent to 50.4 million cubic feet.

Mississippi retained 85 percent of its saw-log production for within State manufacture, with saw-log exports exceeding imports by 14.2 million cubic feet in 2013.

Veneer Logs

Output of veneer logs in 2013 totaled 54.1 million cubic feet, an 8 percent increase since 2011, and accounted for 7 percent of the State’s total roundwood TPO volume (fig. 6).

The number of veneer mills operating in Mississippi remained stable at six for 2013. Receipts of veneer logs increased 6 percent to 56.5 million cubic feet.

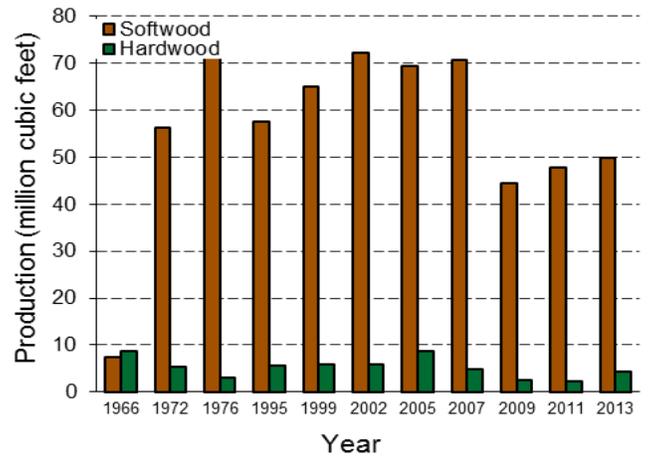


Figure 6—Roundwood veneer-log production by species group and year, Mississippi.

Other Industrial Products

Roundwood harvested for other industrial uses such as poles, posts, mulch, residential firewood, industrial fuel, logs for log homes, composite panels and all other industrial products totaled 43.9 million cubic feet. Softwood made up 85 percent of the other industrial products volume.

The number of plants producing other industrial products totaled 6 in 2013. Combined receipts of other industrial products from softwood and hardwood totaled 30.7 million cubic feet. Industrial fuel accounted for 14.3 million cubic feet, or 47 percent, of receipt volume for this category.

Plant Byproducts

In 2013, processing of primary products in Mississippi mills generated 218.3 million cubic feet of wood and bark residues. Coarse residues from all primary products amounted to 91.1 million cubic feet, while bark volume totaled 57.1 million cubic feet. Collectively, sawdust and shavings made up 32 percent of total residues, or 70.2 million cubic feet (fig. 7).

The processing of saw logs generated 149.9 million cubic feet of mill residues, accounting for 69 percent of the total residues produced (fig. 8).

Nearly 100 percent, or 218.3 million cubic feet, of the wood and bark residues were used for a product. While <1 percent of the residues were not used for a product, 55 percent of the residues were used for industrial fuel and 36 percent were used for fiber products (fig. 9). Eighty-seven percent, or 105 million cubic feet, of residues used for industrial fuel were used on site, while 13 percent were used at other plants. More than 71.5 million cubic feet, or 78 percent, of the coarse residues were used for fiber products. Ninety-four percent of the bark was used for industrial fuel, while 80 percent of the sawdust and shavings were used for industrial fuel.

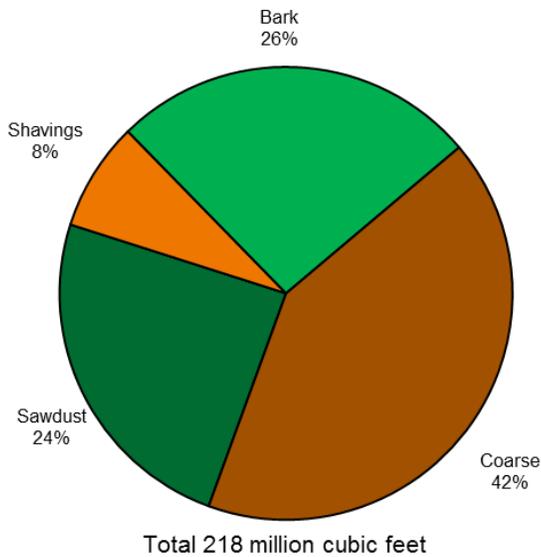


Figure 7—Primary mill residue by residue type, Mississippi, 2013.

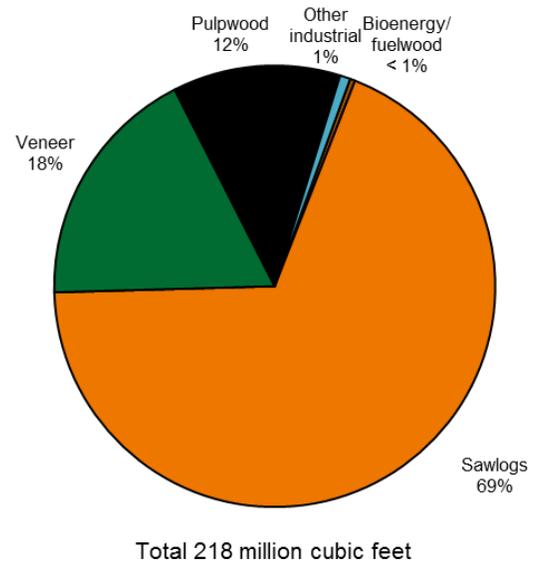


Figure 8—Primary mill residue produced by roundwood type, Mississippi, 2013.

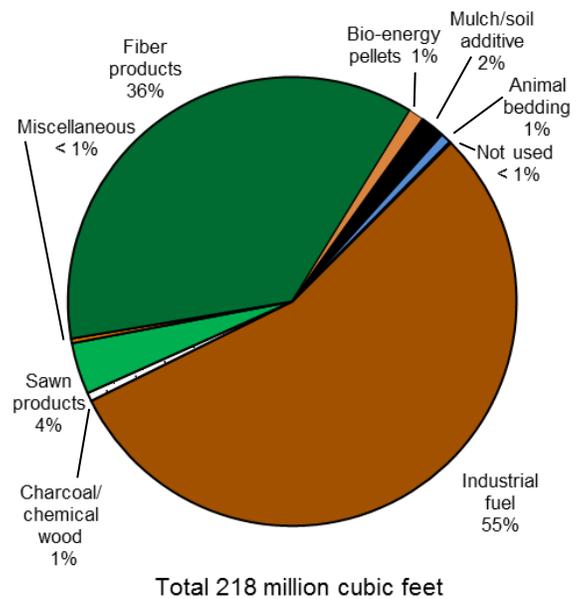


Figure 9—Disposal of residue by product, Mississippi, 2013.

How to Cite This Publication

Gray, James A.; Bentley, James W.; Cooper, Jason A.; Wall, David J. 2017. Mississippi's timber industry—timber product output and use, 2013. e-Science Update—SRS-118. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 4 p.

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