



MTN-35C

2019 Harvest of Forest Products¹
Forest Economics

February 2020

The Mississippi forest industry harvested and delivered almost \$1.2 billion worth of forest products to mills and other processors in 2019. The forest industry in Mississippi and the harvest volumes in this report include all producers and harvesters of forest products paying a timber severance tax collected by the Mississippi Department of Revenue. The total estimated value of the 2019 Mississippi timber harvest delivered to the point of first processing (such as a pulpwood yard or sawmill) was \$1,195,761,566. The estimated volume and value by product are presented in Table 1. The 2019 harvest value is 5.9% higher than the 2018 value of \$1.13 billion. This increase is related to increases in harvest volumes for every category except hardwood pulpwood, poles, and crossties (Table 2). A comparison of 2019 and 2018 Mississippi timber product prices is presented in Table 3.

Timber remains the second most valuable agricultural commodity in Mississippi for 2019. Mississippi's forest landowners collected \$645 million for their standing timber in 2019, an increase of 29% from 2018. The estimated value of the harvesting and transportation sector², which is the difference between the delivered and standing values, was \$550 million. The 2019 value of the harvesting and transportation sector accounted for 46% of the total harvest value as compared to 56% of the total harvest in 2018.

Severance tax collections on forest products were \$3,773,656 in 2019. Twenty percent of severance tax collections, or about \$754,731, is returned to counties where the timber was harvested. Eighty percent, or about \$3,018,925, is allocated to the Forest Resource Development Program (FRDP) to provide cost share funds to nonindustrial private forest landowners for reforestation and other forest management activities.

A comparison between 2019 and 2018 harvest volumes and delivered values by product category is presented in Table 2. The harvest volume of pine sawtimber increased 4% and value increased almost 5%. The volume of hardwood sawtimber increased 3% and value increased almost 6%. Pine pulpwood volume increased by almost 6% and value increased over 11% while hardwood pulpwood volume decreased by 14% with an associated value decrease of 4%. Pine pole harvest decreased by 16% in volume and 17% in value. Crosstie volume saw a decrease of 25% and value decreased by 21%. The volume of pine in-woods chips increased by 34% over 2018 volumes with an associated increase in value of 47%. Hardwood chips increased by 40% of volume and value nearly doubled.

The demand for pine sawtimber increased somewhat in 2019. U.S. housing starts in December of 2019 (an indicator of new home construction tracked by the U.S. Census Bureau) were up 16%, to 1.6 million units, reaching a 13 year high. Delivered prices of pine sawtimber remained steady reflecting the

¹ By John B. Auel, Assistant Extension Professor, Department of Forestry

² This sector includes logging firms, contractual services, contractual trucking, timber buyers, and wood dealers.

abundance of standing volume in the state. The demand for hardwood sawtimber showed a modest increase in 2019. The volume harvested was up 3% over 2018. The crosstie harvest volume dropped almost 26%.

Demand for pine pulpwood increased 5.6% in 2019 and the delivered price increased just over 5%. Hardwood pulpwood demand dropped by almost 14% reflecting the reduction caused by the closure of the Port Hudson, LA paper mill. This sector will likely continue to decline during the next few years.

Harvested volumes by product and by county obtained from the Mississippi Department of Revenue are presented in Table 4. For information on current Mississippi timber prices, consult the Mississippi Timber Price Report available at extension.msstate.edu. Select “Natural Resources” then “Forestry” then “Forest Economics” and then “Timber Prices”. For more information on timber marketing, harvesting, or prices, contact your local County Extension office or the Mississippi State University Department of Forestry, Box 9681, Mississippi State, MS 39762.

Table 1. Estimated volumes and values of the 2019 timber harvest.

Product/Unit³	Volume	Standing Value⁴ Dollars	Delivered Value Dollars
Pine Sawlogs, MBF, D	1,814,674	394,189,768	583,497,147
Hardwood Sawlogs⁵, MBF, D	288,910	127,081,231	171,343,933
Pine Pulpwood, Cords	4,853,584	81,276,298	324,978,997
Hardwood Pulpwood, Cords	911,067	32,037,045	93,771,229
Poles, Cunits	61,534	7,774,992	10,754,331
Crossties⁶, MBF, D	1,388	415,192	777,295
Pine Chips, Tons	90,497	582,857	3,083,233
Hardwood Chips⁷, Tons	173,857	1,920,468	7,555,391
Total Value		645,277,850	1,195,761,556

³ Unit abbreviations: MBF = thousand board feet, and D = Doyle Log Rule. Cunit = 100 cubic feet.

⁴ Standing and delivered values calculated using regional (north and south Mississippi) volumes reported by the Miscellaneous Tax Division of the Mississippi Department of Revenue and product prices from sources such as MSUE ES Timber Price Report and Timber Mart-South.

⁵ Composite price for hardwood sawlogs calculated under the assumption that hardwood sawmills cut 70% oak and 30% mixed hardwood.

⁶ Crosstie values calculated using standing and delivered values for mixed hardwood sawtimber prices by region.

⁷ Pine and Hardwood Chips standing and delivered values are assumed to be the same as pine and hardwood pulpwood.

Table 2. Comparison of 2018 and 2019 harvest volumes and delivered values by product.

Product/Unit ⁸	2018		2019			
	Volume	Value (\$)	Volume	% Change	Value (\$)	% Change
Pine Sawlogs, MBF, D	1,739,654	557,515,658	1,814,674	4.3%	583,497,147	4.7%
Hardwood Sawlogs, MBF, D	280,342	162,017,982	288,910	3.1%	171,343,933	5.8%
Pine Pulpwood, Cords	4,594,629	292,080,566	4,853,584	5.6%	324,978,997	11.3%
Hardwood Pulpwood, Cords	1,057,375	97,817,761	911,067	-13.8%	93,771,229	-4.1%
Poles, Cunits	73,386	12,961,925	61,534	-16.2%	10,754,331	-17.0%
Crossties, MBF, D	1,862	984,067	1,388	-25.5%	777,295	-21.0%
Pine Chips, Tons	67,666	2,101,029	90,497	33.7%	3,083,233	46.7%
Hardwood Chips, Tons	124,267	3,785,173	173,857	39.9%	7,555,391	99.6%
Total Value		1,129,264,161			1,195,761,556	5.9%

⁸ Unit abbreviations: MBF = thousand board feet, and D = Doyle Log Rule. Cunit = 100 cubic feet.

Table 3. Comparison of 2018 and 2019 Mississippi major product prices⁹.

		Standing Prices Per Ton ¹⁰				Delivered Prices Per Ton ¹¹			
			Statewide Average				Statewide Average		
Product	Region	2019 Average	2019	2018	% Change	2019 Average	2019	2018	% Change
Pine Pulpwood	North	\$4.80	\$6.44	\$4.96	29.9%	\$25.29	\$25.75	\$24.45	5.3%
	South	\$8.08				\$26.22			
Hardwood Pulpwood	North	\$13.35	\$12.13	\$7.96	52.3%	\$37.40	\$35.49	\$31.90	11.3%
	South	\$10.90				\$33.59			
Pine Sawtimber	North	\$28.83	\$28.96	\$22.31	29.9%	\$42.90	\$42.87	\$42.73	0.3%
	South	\$29.10				\$42.85			
Mixed Hardwood Sawtimber	North	\$41.47	\$41.06	\$32.63	25.8%	\$64.84	\$64.00	\$60.40	6.0%
	South	\$40.66				\$63.19			
Oak Sawtimber	North	\$58.24	\$54.22	\$46.20	17.3%	\$69.09	\$69.40	\$68.47	1.4%
	South	\$50.19				\$69.71			
Pine Poles	North	\$42.17	\$43.74	\$42.46	3.0%	\$62.01	\$60.50	\$61.14	-1.1%
	South	\$45.31				\$58.99			

⁹ Data source: MSU ES Price Survey and Timber Price Report

¹⁰ MSU ES Timber Price Report

¹¹ Delivered Prices are from Timber Mart-South

Table 4. Mississippi's 2019 harvested timber volumes by product and county.

	PINE	HARDWOOD	PINE	HARDWOOD	PINE		PINE	HARDWOOD
COUNTY	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	POLES	CROSSTIES	CHIPS	CHIPS
NORTHERN REGION	MBF,D	MBF,D	CORDS	CORDS	C CU FT	MBF,D	TONS	TONS
ALCORN	3,319	654	36,978	7,530	0	0	0	462
ATTALA	49,921	2,871	139,089	19,006	2,157	0	0	0
BENTON	5,744	415	16,964	5,644	0	0	0	162
BOLIVAR	0	337	12	0	0	0	0	0
CALHOUN	53,985	241	59,761	13,225	676	0	0	0
CARROLL	22,690	9,349	50,991	7,364	693	0	0	0
CHICKASAW	17,325	939	39,047	7,935	474	0	0	0
CHOCTAW	37,962	12,133	43,166	12,283	1,191	0	0	0
CLAY	12,900	7,075	21,242	3,428	94	0	0	0
COAHOMA	6	0	572	0	0	0	0	0
DESOTO	112	120	275	762	0	0	0	0
GRENADA	15,790	1,776	19,173	3,400	303	0	0	0
HOLMES	20,495	6,337	24,928	12,338	929	0	0	0
HUMPHRIES	0	45	10	166	0	0	0	0
ISSAQUENA	24	910	95	1,971	0	0	0	0
ITAWAMBA	25,496	2,522	31,548	27,978	19	0	20,006	0
KEMPER	81,066	10,989	173,362	7,173	2,318	0	0	0
LAFAYETTE	13,165	296	16,160	7,129	0	0	0	0
LEAKE	60,487	3,404	89,041	10,624	2,182	0	0	0
LEE	2,318	112	5,477	2,489	42	0	0	0
LEFLORE	0	805	231	193	0	0	0	0
LOWNDES	6,502	559	4,749	5,601	296	0	0	0
MADISON	16,563	1,733	53,546	11,263	475	0	0	0
MARSHALL	5,040	245	14,083	4,795	588	0	0	0
MONROE	28,286	3,355	27,269	39,295	234	0	10,598	0
MONTGOMERY	19,174	6,075	62,209	4,283	746	0	0	0
NESHOBA	45,082	17,009	36,340	13,520	3,377	169	0	0
NOXUBEE	36,792	4,454	78,704	4,995	700	0	0	0
OKTIBBEHA	14,435	2,081	19,270	5,108	281	1,219	0	0
PANOLA	1,080	3,655	5,780	16,139	214	0	0	0
PONTOTOC	12,237	251	16,678	14,775	6	0	0	0
PRETISS	10,160	1,130	48,068	12,869	0	0	0	552
QUITMAN	0	0	0	0	0	0	0	0
SHARKEY	0	0	21	0	0	0	0	0
SUNFLOWER	32	24	0	0	0	0	0	0
TALLAHATCHIE	129	816	2,727	437	0	0	0	0
TATE	321	543	862	512	47	0	0	0
TIPPAH	4,839	810	32,181	5,549	0	0	0	972
TISHOMINGO	11,035	1,526	106,862	16,839	281	0	0	3,438
TUNICA	0	377	0	0	0	0	0	0
UNION	15,651	1,370	17,301	10,476	0	0	0	0
WASHINTON	3	4,643	244	6,920	0	0	0	0
WEBSTER	31,521	5,168	62,776	15,736	1,046	0	0	0
WINSTON	39,009	2,140	54,238	19,485	1,443	0	0	0
YALOBUSHA	18,211	619	30,823	2,754	13	0	0	0
YAZOO	2,499	9,855	16,342	46,181	0	0	0	0
NORTHERN TOTAL	741,406	129,767	1,459,195	408,170	20,825	1,388	30,604	5,586

Table 4. Mississippi's 2019 harvested timber volumes by product and county.

	PINE	HARDWOOD	PINE	HARDWOOD	PINE		PINE	HARDWOOD
COUNTY	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	POLES	CROSTIES	CHIPS	CHIPS
SOUTHERN REGION	MBF,D	MBF,D	CORDS	CORDS	C CU FT	MBF,D	TONS	TONS
ADAMS	4,505	4,998	6,073	31,840	141	0	0	0
AMITE	100,554	8,565	178,975	14,454	1,136	0	1,409	0
CLAIBORNE	14,498	14,190	54,483	28,488	420	0	0	0
CLARKE	60,841	4,993	194,743	24,150	6,216	0	0	0
COPIAH	39,422	6,762	137,164	29,783	1,124	0	346	3,496
COVINGTON	16,640	1,606	68,037	5,764	581	0	1,979	6,163
FORREST	6,127	157	51,234	3,140	453	0	486	2,130
FRANKLIN	37,220	6,492	87,545	11,740	275	0	77	0
GEORGE	6,141	878	46,680	3,152	208	0	0	0
GREENE	47,919	1,942	238,765	17,030	3,005	0	0	0
HANCOCK	1,824	142	17,858	451	0	0	0	0
HARRISON	10,264	127	37,863	999	367	0	0	0
HINDS	17,961	8,927	57,029	26,772	175	0	0	220
JACKSON	5,651	59	42,531	3,922	227	0	0	0
JASPER	60,022	3,467	114,233	21,164	2,694	0	5,306	28,061
JEFFERSON	25,493	12,648	112,735	29,332	391	0	146	1,206
JEFFERSON DAVIS	24,718	1,900	71,761	10,375	356	0	261	2,038
JONES	19,556	4,336	131,924	20,823	1,214	0	5,986	19,057
LAMAR	14,814	509	62,871	2,612	969	0	85	1,906
LAUDERDALE	56,284	7,465	93,839	17,159	2,477	0	523	2,546
LAWRENCE	39,506	3,435	120,872	13,212	2,339	0	116	0
LINCOLN	34,758	3,463	166,594	17,734	608	0	0	0
MARION	22,088	1,032	117,268	6,700	615	0	1,022	0
NEWTON	60,527	4,122	73,425	20,107	2,227	0	8,333	8,988
PEARL RIVER	28,516	115	113,315	8,928	1,646	0	0	0
PERRY	29,413	517	190,547	16,095	1,269	0	0	26
PIKE	23,985	4,646	65,778	9,983	209	0	3,601	7,602
RANKIN	46,130	4,381	83,960	10,016	3,118	0	2,042	10,246
SCOTT	25,954	13,400	37,829	15,066	986	0	8,093	34,429
SIMPSON	37,072	3,929	126,474	14,904	979	0	5,495	17,093
SMITH	48,462	3,233	95,521	3,403	1,264	0	13,146	21,561
STONE	16,978	70	74,255	1,599	543	0	0	0
WALTHALL	10,801	352	76,052	4,390	401	0	59	0
WARREN	684	16,262	3,585	26,795	0	0	0	0
WAYNE	38,088	1,061	210,793	27,046	1,172	0	1,382	1,503
WILKINSON	39,854	8,961	31,778	3,769	904	0	0	0
SOUTHERN TOTAL	1,073,268	159,143	3,394,389	502,897	40,709	0	59,893	168,271