



MTN-36C

2020 Harvest of Forest Products<sup>1</sup>  
Forest Economics

February 2021

The Mississippi forest industry harvested and delivered over \$1.2 billion worth of forest products to mills and other processors in 2020. 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 2020 Mississippi timber harvest delivered to the point of first processing (such as a pulpwood yard or sawmill) was \$1,217,390,944. The estimated volume and value by product are presented in Table 1. The 2020 harvest value is 1.7% higher than the 2019 value of \$1.20 billion. This increase is related to increases in harvest volumes of pine sawtimber, poles, and crossties (Table 2). A comparison of 2020 and 2019 Mississippi timber product prices is presented in Table 3.

Timber outperformed expectations during the Covid19 restrictions and remains one of the top three most valuable agricultural commodities in Mississippi for 2020. Mississippi's forest landowners collected \$552 million for their standing timber in 2020, a decrease of 14% from 2019. The estimated value of the harvesting and transportation sector<sup>2</sup>, which is the difference between the delivered and standing values, was \$666 million. The 2020 value of the harvesting and transportation sector accounted for 55% of the total harvest value as compared to 46% of the total harvest in 2019.

Severance tax collections on forest products were \$3,986,597 in 2020. Twenty percent of severance tax collections, or \$797,319, is returned to counties where the timber was harvested. Eighty percent, or about \$3,189,278, 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 2020 and 2019 harvest volumes and delivered values by product category is presented in Table 2. The harvest volume of pine sawtimber increased 16.9% and value increased 17.2%. The volume of hardwood sawtimber remained steady with the value decreasing by almost 7%. Pine pulpwood volume decreased 5% and value decreased over 9% while hardwood pulpwood volume decreased 28% with an associated value decrease of 43%. Pine pole harvest increased 29% in volume and 30% in value. Crosstie volume saw a decrease of 39% and value increased by 31%. The volume of pine in-woods chips decreased by 10% over 2019 volumes with an associated decrease in value of 12%. Hardwood chips decreased by 8% of volume and value dropped almost 18%.

The demand for pine sawtimber increased in 2020 reflecting the rapid increase in U.S. housing starts (an indicator of new home construction tracked by the U.S. Census Bureau) towards the end of 2020.

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

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Housing starts were at a 14 year high in December of 2020 reaching 1.67 million units. Delivered prices of pine sawtimber remained steady while stumpage prices dropped significantly, reflecting the abundance of standing volume in the state. The demand for hardwood sawtimber remained steady in 2020. The crosstie harvest volume improved almost 39%.

Demand for pine pulpwood dropped 5% in 2020 reverting to 2018 levels and the delivered price decreased almost 4%. Hardwood pulpwood demand continued to fall off, dropping another 28% in 2020.

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](http://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 2020 timber harvest.

<b>Product/Ton</b>	<b>Volume</b>	<b>Standing Value<sup>3</sup> Dollars</b>	<b>Delivered Value Dollars</b>
<b>Pine Sawlogs</b>	15,908,451	356,415,045	683,922,017
<b>Hardwood Sawlogs<sup>4</sup></b>	2,257,860	108,057,816	159,610,324
<b>Pine Pulpwood</b>	11,982,378	59,519,160	297,069,390
<b>Hardwood Pulpwood</b>	1,902,638	16,682,679	52,957,427
<b>Poles</b>	229,245	8,666,323	13,880,040
<b>Crossties<sup>5</sup></b>	16,853	643,723	1,029,561
<b>Pine Chips</b>	81,010	422,383	2,715,050
<b>Hardwood Chips<sup>6</sup></b>	160,474	1,330,412	6,207,134
<b>Total Value</b>		551,737,542	1,217,390,944

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<sup>3</sup> 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.

<sup>4</sup> Composite price for hardwood sawlogs calculated under the assumption that hardwood sawmills cut 70% oak and 30% mixed hardwood.

<sup>5</sup> Crosstie values calculated using standing and delivered values for mixed hardwood sawtimber prices by region.

<sup>6</sup> Pine and Hardwood Chips standing and delivered values are assumed to be the same as pine and hardwood pulpwood.

Table 2. Comparison of 2019 and 2020 harvest volumes and delivered values by product.

Product	2019		2020			
	Tons	Value (\$)	Tons	% Change	Value (\$)	% Change
Pine Sawlogs	13,610,057	583,434,923	15,908,451	16.9%	683,922,017	17.2%
Hardwood Sawlogs	2,527,961	171,334,165	2,527,860	0.0%	159,610,324	-6.8%
Pine Pulpwood	12,619,318	327,318,647	11,982,378	-5.0%	297,069,390	-9.2%
Hardwood Pulpwood	2,642,094	93,248,253	1,902,638	-28.0%	52,957,427	-43.2%
Poles	177,765	10,667,449	229,245	29.0%	13,880,040	30.1%
Crossties	12,145	787,512	16,853	38.8%	1,029,561	30.7%
Pine Chips	90,497	3,083,233	81,010	-10.5%	2,715,050	-11.9%
Hardwood Chips	173,857	7,555,391	160,474	-7.7%	6,207,134	-17.8%
<b>Total Value</b>		<b>1,197,429,573</b>			<b>1,217,390,944</b>	<b>1.7%</b>

Table 3. Comparison of 2019 and 2020 Mississippi major product prices<sup>7</sup>.

		Standing Prices Per Ton				Delivered Prices Per Ton			
			Statewide Average				Statewide Average		
Product	Region	2020 Average	2020	2019	% Change	2020 Average	2020	2019	% Change
Pine Pulpwood	North	\$3.49	\$4.59	\$6.44	-28.8%	\$24.75	\$24.78	\$25.75	-3.8%
	South	\$5.68				\$24.82			
Hardwood Pulpwood	North	\$9.66	\$8.84	\$12.13	-27.1%	\$29.81	\$28.00	\$35.49	-21.1%
	South	\$8.02				\$26.19			
Pine Sawtimber	North	\$21.60	\$22.32	\$28.96	-22.9%	\$42.98	\$42.99	\$42.87	0.3%
	South	\$23.05				\$43.00			
Mixed Hardwood Sawtimber	North	\$38.20	\$36.67	\$41.06	-10.7%	\$61.09	\$59.61	\$64.00	-6.9%
	South	\$35.14				\$58.13			
Oak Sawtimber	North	\$45.13	\$45.39	\$54.22	-16.3%	\$65.08	\$64.73	\$69.40	-6.7%
	South	\$45.64				\$64.39			
Pine Poles	North	\$41.94	\$38.95	\$43.74	-11.0%	\$63.19	\$61.29	\$60.50	1.3%
	South	\$35.96				\$59.39			

<sup>7</sup> Data source: Timber Mart South

Table 4. Mississippi's 2020 tons of harvested timber by product and county.

	PINE	HARDWOOD	PINE	HARDWOOD	PINE		PINE	HARDWOOD
COUNTY	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	POLES	CROSSTIES	CHIPS	CHIPS
NORTHERN REGION	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS
ALCORN	37,932	6,225	153,158	27,014	0	0	0	4,071
ATTALA	476,323	31,882	342,618	55,532	8,797	0	0	0
BENTON	45,206	12,278	52,991	20,167	0	0	0	1,554
BOLIVAR	26	9,752	0	0	0	0	25	0
CALHOUN	389,717	10,494	173,048	32,698	3,634	0	0	0
CARROLL	223,367	49,636	190,856	12,290	924	0	0	0
CHICKASAW	208,361	8,444	61,032	11,359	2,398	0	0	0
CHOCTAW	262,872	53,768	134,605	32,993	5,336	0	0	0
CLAY	94,761	69,911	38,667	3,724	546	0	0	0
COAHOMA	0	6,784	346	2,375	0	0	0	0
DESOTO	10,399	4,317	49	1,531	0	0	0	0
GRENADA	140,265	21,340	103,035	4,718	422	0	0	0
HOLMES	175,985	54,371	122,998	32,405	2,317	0	0	0
HUMPHREYS	28	291	26	23	0	0	0	0
ISSAQUENA	26	10,997	130	13,853	0	0	0	0
ITAWAMBA	212,055	15,831	101,873	45,223	38	0	0	3,142
KEMPER	991,228	102,867	365,183	22,481	15,094	0	0	0
LAFAYETTE	97,495	15,910	32,789	14,836	1,043	0	0	0
LEAKE	519,586	28,275	224,975	32,985	4,975	0	0	0
LEE	45,927	6,685	6,053	14,196	188	0	0	27
LEFLORE	151	9,106	0	244	413	0	0	0
LOWNDES	74,760	7,066	20,049	8,097	1,482	0	0	0
MADISON	189,281	14,556	125,913	22,063	696	0	0	0
MARSHALL	86,840	2,815	53,167	10,350	0	0	0	0
MONROE	249,827	41,693	93,878	84,642	376	0	17,213	0
MONTGOMERY	218,611	44,642	145,785	10,695	2,811	0	0	0
NESHOBA	387,791	120,383	94,458	25,198	6,633	1,820	0	0
NOXUBEE	364,663	45,604	211,739	6,995	2,074	0	0	0
OKTIBBEHA	114,056	7,321	28,504	16,681	627	15,033	54	5,721
PANOLA	23,901	19,815	6,607	6,316	0	0	0	0
PONTOTOC	194,044	175	54,036	22,466	838	0	0	0
PRENTISS	126,113	16,452	121,495	47,180	0	0	0	342
QUITMAN	0	531	0	58	0	0	0	0
SHARKEY	0	15,594	0	5,252	0	0	0	0
SUNFLOWER	0	5,804	0	0	208	0	0	0
TALLAHATCHIE	28,176	6,497	7,431	0	653	0	0	0
TATE	11,086	3,888	9,646	1,494	0	0	0	0
TIPPAH	54,797	9,423	116,979	12,859	104	0	0	3,240
TISHOMINGO	66,865	15,837	256,220	59,958	0	0	0	4,341
TUNICA	57	2,540	0	0	0	0	0	0
UNION	116,322	11,155	52,702	20,607	0	0	0	0
WASHINGTON	165	82,300	231	27,567	0	0	0	0
WEBSTER	311,698	18,529	151,148	23,966	3,299	0	0	3,787
WINSTON	370,246	31,298	143,611	35,342	2,646	0	0	0
YALOBUSHA	127,951	6,864	75,122	3,642	46	0	0	0
YAZOO	18,770	99,710	31,496	33,028	1,228	0	0	0
NORTHERN TOTAL	7,067,728	1,159,653	3,904,649	865,102	69,845	16,853	17,292	26,225

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COUNTY	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	POLES	CROSSTIES	CHIPS	CHIPS
SOUTHERN REGION	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS
ADAMS	57,070	39,039	34,564	107,245	982	0	0	0
AMITE	692,424	55,132	455,055	23,365	4,030	0	1,303	28
CLAIBORNE	141,306	183,523	175,807	82,029	5,261	0	0	0
CLARKE	363,660	51,815	460,028	48,824	18,942	0	3,120	6,483
COPIAH	347,880	43,839	397,036	60,068	6,249	0	789	1,744
COVINGTON	173,973	19,911	223,116	8,978	4,278	0	11,005	17,086
FORREST	53,940	4,122	89,877	8,329	370	0	616	4,087
FRANKLIN	425,371	13,379	261,643	32,732	5,486	0	0	0
GEORGE	39,248	876	98,020	8,523	480	0	0	0
GREENE	335,721	7,144	608,696	29,073	9,793	0	0	0
HANCOCK	21,850	0	105,973	525	624	0	0	0
HARRISON	66,270	80	60,135	2,033	69	0	0	0
HINDS	146,608	40,942	173,560	33,492	844	0	0	0
JACKSON	53,157	239	104,463	2,352	1,829	0	0	29
JASPER	533,084	36,768	290,059	46,101	8,034	0	6,800	30,347
JEFFERSON	171,024	66,522	146,266	26,724	6,904	0	0	0
JEFFERSON DAVIS	174,373	14,211	179,954	10,292	927	0	0	0
JONES	168,185	54,375	292,646	32,602	4,325	0	9,548	25,317
LAMAR	197,696	5,835	198,635	6,397	8,638	0	902	3,840
LAUDERDALE	795,089	96,065	246,202	19,523	13,243	0	1,128	1,052
LAWRENCE	330,025	13,270	220,139	18,531	370	0	0	552
LINCOLN	232,475	17,889	283,174	49,642	2,398	0	29	29
MARION	161,800	24,694	294,268	7,743	4,541	0	0	0
NEWTON	606,325	62,120	231,169	38,193	14,612	0	5,128	10,864
PEARL RIVER	261,657	1,398	388,229	5,809	5,151	0	0	0
PERRY	195,702	2,402	345,657	16,194	7,791	0	956	514
PIKE	173,594	10,888	127,644	14,770	2,978	0	1,408	0
RANKIN	283,095	36,369	137,049	26,489	1,583	0	364	778
SCOTT	360,519	121,061	123,029	33,043	3,600	0	11,016	16,747
SIMPSON	239,017	29,358	245,755	27,460	2,877	0	27	0
SMITH	337,127	33,585	240,874	14,117	4,408	0	9,064	14,724
STONE	104,896	649	145,184	5,907	1,655	0	0	0
WALTHALL	97,322	3,827	237,445	6,403	266	0	515	0
WARREN	7,967	225,972	16,058	127,293	0	0	0	0
WAYNE	239,706	12,367	353,733	55,361	4,252	0	0	28
WILKINSON	251,576	38,546	86,588	1,375	1,609	0	0	0
SOUTHERN TOTAL	8,840,723	1,368,208	8,077,729	1,037,536	159,400	0	63,718	134,249