

Department of Forestry

MTN - 30C

2014 Harvest of Forest Products¹ Forest Economics

May 2015

The Mississippi forest industry harvested and delivered \$1.026 billion worth of forest products to mills and other processors in 2014. 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 2014 Mississippi timber harvest delivered to the point of first processing (such as a pulpwood yard or sawmill) was \$1,026,958,081. The estimated volume and value of the 2014 timber harvest by product is presented in Table 1. The 2014 harvest value is 9.0% below the 2013 value of \$1.128 billion. This decrease in harvest value is attributable to a combination of lower harvest volumes and prices for both pine pulpwood and sawlogs and hardwood pulpwood. (See Table 2). A comparison of 2014 and 2013 Mississippi timber product prices is presented in Table 3.

Timber was the third most valuable agricultural commodity in Mississippi for 2014. Poultry and eggs were the most valuable commodity at \$3.11 billion, and soybeans was the second most valuable commodity at \$1.27 billion. Mississippi's forest landowners collected \$487.3 million for their standing timber in 2014, a decrease of 14.9% from the previous year. The estimated value of the harvesting and transportation sector², which is the difference between the delivered and standing values, was \$583.2 million. The 2014 value of the harvesting and transportation sector accounted for 52.5% of the total harvest value as compared with 52.1% of the total harvest value in 2013.

Severance tax collections on forest products were \$3,700,462 in 2014, which is 1.3% higher than 2013 collections. Twenty percent of severance tax collections, or about \$740,092, is returned to counties where the timber was harvested. Eighty percent, or about \$2,960,369, 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 practices.

A comparison between 2014 and 2013 harvest volumes and delivered values by product category is presented in Table 2. The harvest volume of pine sawlogs decreased by 16.3%, and its value increased 14.4%. Pine pulpwood volume decreased by 12.8% while the value decreased 14.1%. Hardwood sawlog volume increased 7.5%, and its value increased by 18.8%. Hardwood pulpwood volume decreased 15.1%, and its value decreased by 14.3%. Christmas tree harvest and value remained unchanged from the previous year's values.

The estimated value of the harvesting and transportation sector accounted for 52.5% of the total harvest value in 2014 amounting to a less than a 1% increase in this proportion over the

¹ By James E. Henderson, Associate Extension Professor.

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

previous year. This minor increase in the harvesting and transportation estimated value reflects a greater year over year decrease in standing prices as compared with delivered prices in percentage terms for all product categories with the exception of oak and mixed hardwood sawtimber. Stumpage price fell for all product categories expect for both oak and mixed hardwood sawtimber, which increased by double digit percentages.

The housing recovery, after a fairly strong resurgence in 2012 and 2013, became more tepid in 2014. As a result, pine lumber production and the demand for pine sawlogs was not as strong as expected during 2014, which was reflected not only by a year over year 16.3% reduction in harvest but also by a 1.5% reduction in stumpage prices for pine sawlogs. Yet, delivered prices for pine sawlogs increased by 2.4%. Given the abundance of mature harvestable pine sawtimber in Mississippi, it is understandable that pine stumpage prices have declined from the gains realized in 2013. Another disappointing product category, but not a surprising one, was pine pulpwood. As expected the pulpwood markets in north Mississippi were greatly disrupted by the closure of the International Paper mill in Courtland, Alabama that occurred in late 2013.

The demand for hardwood sawlogs was a bright spot for 2014 and the increased demand is clearly seen in the 2014 increase in both volume and prices. One factor that help propel the hardwood sawlog market was the growth in the U.S. oil and gas production sector that began to grow sharply in 2011 and continued strong well into 2014. However, the dramatic fall in crude oil prices that occurred in mid-2014 is expected to reduce demand for hardwood mats and board road used in oil and gas drilling, which should result in a decline for hardwood sawlog prices and harvest volume in 2015.

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 www.msucares.com. Select "Forestry" then "Timber Prices." For more information on timber marketing, harvesting, or prices, contact your local County Extension Service or the Mississippi State University Department of Forestry, Box 9681, Mississippi State, MS 39762. Also, please visit our blog http://blogs.msucares.com/forestry/ and sign up for email updates to review the latest information from Forestry Extension on publications and educational programs.

Table 1. Estimated volumes and values of the 2014 timber harvest.

Product/Unit ¹	Volume	Standing ² Value(\$)	Delivered ² Value(\$)
Pine Sawlogs, MBF, D	1,126,483	215,378,528	404,856,917
Hardwood Sawlogs ³ , MBF, D	260,584	105,424,549	150,440,237
Pine Pulpwood, Cords	4,402,886	100,352,795	309,925,151
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Hardwood Pulpwood, Cords	1,358,844	43,000,413	125,873,870
.	, ,	, ,	, ,
Poles, MBF, D	58,327	21,061,018	31,034,565
		,,	- , ,
Crossties ⁴ , MBF, D	6,402	2,106,940	3,377,341
	3,10	, 2 3 3 4 5 1 5	- , ,
Christmas Trees ⁵ , Tree	29,000	**	1,450,000
	25,000		1,750,000
Total Value		487,324,241	1,026,958,081
Total value		467,324,241	1,020,958,081

¹ Unit abbreviations: MBF = thousand board feet, and D = Doyle log rule.

² Standing and delivered values calculated using regional (north and south Mississippi) volumes reported by the Miscellaneous Tax Division of the Mississippi Tax Commission and product prices from sources such as Timber Mart-South.

³ Composite price for hardwood sawlogs calculated under the assumption that hardwood sawmills cut 70% oak and 30% mixed hardwood.

⁴ Crosstie values calculated using standing and delivered values for mixed hardwood sawtimber prices by region.

⁵ Christmas trees value and volumes estimated by Mississippi State University Extension Forester Stephen Dicke.

^{**} Not reported since most trees are sold as choose-n-cut.

Table 2. Comparison of 2013 and 2014 harvest volumes and delivered values by product.

•	,	2013				
Product/Unit ¹	Volume	Value	Volume	% Change	Value	% Change
		-Dollars-			-Dollars-	
Pine Sawlogs, MBF, D	1,345,463	473,135,846	1,126,483	-16.3%	404,856,917	-14.4%
Hardwood Sawlogs, MBF,D	242,444	126,634,579	260,584	7.5%	150,440,237	18.8%
Pine Pulpwood, Cords	5,051,231	360,734,557	4,402,886	-12.8%	309,925,151	-14.1%
Hardwood Pulpwood, Cords	1,599,817	146,840,778	1,358,844	-15.1%	125,873,870	-14.3%
		-			-	
Poles, MBF,D	33,726	17,983,482	58,327	72.9%	31,034,565	72.6%
		-			-	
Crossties, MBF,D	2,836	1,314,486	6,402	125.7%	3,377,341	156.9%
Christmas Trees, Tree	29,000	1,450,000	29,000	0.0%	1,450,000	0.00%
Total Value		1,128,093,728			1,026,958,081	-9.0%

¹ Unit abbreviations: MBF = thousand board feet, and D = Doyle log rule.

Table 3. Comparison of 2014 and 2013 Mississippi major product prices¹.

		Standing Prices			Delivered Prices				
			Statewide Average				Statewide Average		
Product / Unit ²	Region	2014 Average	2014	2013	% Change	2014 Average	2014	2013	% Change
Dine Dulmured Conds	North	16.19	21.51	24.09	-10.7%	70.37	73.77	74.35	-0.8%
Fine Pulpwood, Cords	South	26.84				77.17			
Handwood Dulawood Conds	North	30.56	31.73	32.58	-2.6%	92.85	92.64	91.76	1.0%
•	South	32.90				92.44			
Ding Cowtimber MDE D	North	175.25	189.13	192.00	-1.5%	354.25	359.13	350.88	2.4%
Pine Sawtimber, MBF,D	South	203.00				364.00			
Mixed Handwood Sowtimber MDF D	North	313.50	327.13	289.00	13.2%	525.00	527.25	480.50	9.7%
Product / Unit ² ine Pulpwood, Cords Iardwood Pulpwood, Cords ine Sawtimber, MBF,D Iixed Hardwood Sawtimber, MBF,D Oak Sawtimber, MBF,D ine Poles, MBF,D ine Pulp, Ton Oak Pulp, Ton	South	340.75				529.50			
Ook Sowtimbor MDE D	North	435.00	437.63	369.63	18.4%	607.25	604.63	531.13	13.8%
Oak Sawumber, MDF,D	South	440.25				602.00			
Dine Deleg MDF D	North	360.00	360.75	376.38	-4.2%	543.50	535.63	535.38	0.05%
Pine Poles, WIDF,D	South	361.50				527.75			
Ding Duly Ton	North	6.05	8.03	8.99	-10.7%	26.26	27.53	27.89	-1.3%
rme ruip, 1011	South	10.02				28.80			
Ook Buln Ton	North	10.54	9.48	11.23	-15.6%	32.02	31.95	31.64	1.0%
Oak ruip, 1011	South	8.42				31.88			

¹ Data source: Timber Mart-South.
² Unit abbreviations: MBF = thousand board feet, and D = Doyle log rule.

Table 4. Mississippi's 2014 harvested timber volumes by product and county¹.

	PINE	HARDWOOD	PINE	HARDWOOD	PINE	HARDWOOD	PINE			PINE	HARDWOOD
	LUMBER	LUMBER	SAWLOGS	SAWLOGS	PULPWOOD	PULPWOOD	POLES	CROSSTIES	OTHER	CHIPS	CHIPS
COUNTY	MBF	MBF	MBF,D	MBF,D	CORDS	CORDS	C CU FT	MBF,D	MBF	TONS	TONS
NORTHERN REGION				,				,			
ALCORN	-	_	4,475.07	1,489.87	16,951.13	7,698.76	_	_		_	-
ATTALA	-	_	31,650.54	3,147.30	117,120.83	23,246.40	31.66	-		795.55	-
BENTON	_	_	2,794.51	161.53	15,188.07	12,844.84	_	_		-	_
BOLIVAR	-	-	202.00	2,336.66	10.00	11,941.38	-	-		-	5.00
CALHOUN	_	_	30,521.35	1,638.63	68,160.37	16,123.56	4.14	_		_	-
CARROLL	_	_	20,432.28	863.11	66,370.17	23,060.80	4.99	3.40		_	_
CHICKASAW	_	_	21,704.67	850.18	32,556.53	7,436.76	15.23	-		_	_
CHOCTAW	_	_	21,881.92	1,150.93	87,098.50	20,898.58	17.46	53.83		11.63	_
CLAY	_	_	8,468.29	441.97	14,300.70	19,925.64	-	31.87		9.51	_
COAHOMA	_	-	115.00	4,871.36	107.33	7,540.71	_	-		-	2,358.50
DESOTO	_	_	270.69	0.01	2,903.23	1,123.33	_	-		_	2,556.50
GRENADA	_		3,232.94	1,804.92	35,225.57	9,463.64	13.14	_			_
HOLMES	_	0.60	12,187.46	4,151.18	53,856.37	36,048.71	3.93	52.07			
HUMPHREYS	_	- 0.00	164.00	340.92	44.30	1,694.13	-	-			
ISSAQUEENA		33.79	1.00	5,974.67	527.93	30,005.96	_	_		-	<u> </u>
ITAWAMBA	_	10.40	29,933.82	1,623.95	24,788.53	35,425.07	0.44				
KEMPER	_	29.60	38,499.39	2,118.08	192,137.07	55,251.20	44.01	75.87		2,164.47	
LAFAYETTE	_	-	4,604.88	14.00	33,359.80	11,867.60	-	-		2,104.47	-
LEAKE	_	-	35,721.64	3,311.39	116,480.73	20,414.44	24.73	56.81		6,224.83	_
LEE	_	-	4,074.99	525.47	4,578.00	8,475.64	- 24.73	-		-	-
LEFLORE	-	-	4,074.99	319.45	12.80	603.96	-	-		_	-
LOWNDES	_	9.40	2,508.19	185.98	12,341.13	18,528.44	29.20	869.48		1,712.39	-
MADISON	70.67	26.13	7,608.08	2,746.95	100,974.20	15,019.69	5.10	0.03		1,523.01	
MARSHALL	70.07	20.13	3,059.37	492.35	36,318.20	9,849.73	5.10	0.03		1,323.01	-
MONROE	-	-	17,564.84	731.04	30,700.93	·	7.88	24.17		577.17	-
MONTGOMERY	-		7,329.52	2,732.26	30,700.93	33,003.47 11,580.89	9.46	24.17		5//.1/	-
		-					20.87	270.84		1 220 41	-
NESHOBA	-	179.00	20,454.78	2,942.12	55,024.93	29,319.69				1,229.41	-
NOXUBEE	-		17,781.91 12,850.82	973.61	96,840.07	20,356.49 9,911.29	6.37 4.95	33.29		567.92	-
OKTIBBEHA	-	860.33		861.37	32,774.27			1,250.00		612.67	2 107 22
PANOLA	-	-	1,827.96	1,944.28	25,123.87	18,609.82	0.14	-		-	2,197.33
PONTOTOC	-	-	13,444.21	107.70	8,743.07	11,644.04	0.63	-		-	-
PRENTISS	-		6,328.62	987.85	23,483.87	1,168.71	-	-		-	
QUITMAN		-	20.00	5.41	206.50	17,698.18	-				5.00
SHARKEY	- 20.00	-	30.00	488.57	206.50	1,456.44	-	-		-	-
SUNFLOWER	20.00	-	965.00	31.09	0.252.22	28.84	1.40	-		-	-
TALLAHATCHIE	-	-	865.89	1,623.14	9,253.33	10,023.20	1.40			-	
TATE	-	-	565.82	38.33	2,389.67	4,493.07	-	-		-	38.38
TIPPAH	-	-	5,012.42	657.99	15,568.93	14,682.71	-	-		-	-
TISHOMINGO	-	-	9,105.15	2,450.01	72,710.40	27,588.04	-	-		-	-
TUNICA	-	-	296.00	345.33	20.050.57	11.046.71	-	-		-	96.00
UNION	-	-	4,089.50	788.25	20,059.57	11,846.71	-	-		-	-
WASHINGTON	-	-	10.23	2,288.96	691.33	1,951.29	-	-		-	-
WEBSTER	-		33,231.78	1,007.90	44,882.90	14,598.22	23.74	1.73		-	-
WINSTON	-	14.00	19,648.97	2,662.49	116,820.97	29,591.38	9.24	6.60		123.95	725.85
YALOBUSHA	-	-	11,214.31	155.32	25,749.00	6,047.02	13.00	-		-	-
YAZOO	-	377.80	610.96	7,010.52	21,338.47	21,816.00	-	-		-	-
NORTHERN TOTAL	90.67	1,541.05	466,375.76	71,394.41	1,663,996.82	701,904.49	291.69	2,729.99	-	15,552.50	5,426.06

¹ Data source: Mississippi Department of Revenue.

Table 4. Mississippi's 2014 harvested timber volumes by product and county (cont.) ¹.

	PINE	HARDWOOD	PINE	HARDWOOD	PINE	HARDWOOD	PINE	·		PINE	HARDWOOD
	LUMBER	LUMBER	SAWLOGS	SAWLOGS	PULPWOOD	PULPWOOD	POLES	CROSSTIES	OTHER	CHIPS	CHIPS
COUNTY	MBF	MBF	MBF,D	MBF,D	CORDS	CORDS	C CU FT	MBF,D	MBF	TONS	TONS
SOUTHERN REGION											
ADAMS	237.33	46.67	4,312.32	6,966.47	2,064.30	16,727.29	0.09	-		-	-
AMITE	21.33	790.47	64,484.59	5,354.69	72,164.97	25,942.04	30.47	0.07		48.90	-
CLAIBORNE	369.33	594.12	10,919.37	14,327.36	48,890.33	37,441.82	22.85	0.80		-	-
CLARKE	-	0.80	24,694.16	6,476.44	178,266.03	27,397.11	186.74	313.52		3,720.71	5.63
COPIAH	374.67	356.60	38,401.44	9,344.95	132,902.67	29,731.78	21.43	29.85		472.97	-
COVINGTON	-	-	15,153.82	3,927.32	74,074.03	8,577.02	72.61	62.29		1,947.88	765.96
FORREST	-	-	7,674.18	810.94	19,778.57	1,398.31	1.18	34.12		369.93	330.79
FRANKLIN	741.33	257.33	45,987.07	6,552.84	65,285.73	35,627.38	10.59	11.47		-	-
GEORGE	-	-	3,721.98	917.92	31,378.30	2,870.84	3.37	67.13		635.29	354.25
GREENE	-	-	16,859.65	3,593.12	113,225.73	16,530.27	3.81	183.03		3,536.42	741.47
HANCOCK	-	-	2,083.47	41.65	7,390.03	524.84	-	-		14.25	19.25
HARRISON	-	-	3,994.87	215.61	16,804.07	311.82	4.56	-		114.29	141.46
HINDS	565.33	910.73	8,574.05	10,234.96	90,544.50	30,030.93	0.56	54.45		8.24	-
JACKSON	-	-	7,488.81	739.97	18,949.80	2,615.87	1.97	53.24		969.95	24.00
JASPER	-	-	24,411.08	9,333.09	83,557.67	21,021.60	13.87	640.04		9,885.57	5,221.17
JEFF DAVIS	-	-	19,136.45	2,654.05	98,344.33	11,038.27	12.84	40.07		1,525.99	-
JEFFERSON	338.67	29.93	17,571.28	10,010.85	53,028.80	22,150.53	2.91	1.00		-	-
JONES	21.33	-	11,944.04	3,703.24	78,758.57	14,172.04	19.94	226.23		4,200.39	1,772.25
LAMAR	-	-	15,470.25	1,106.23	73,896.57	4,082.09	1.28	12.44		752.34	131.38
LAUDERDALE	-	1	24,032.09	2,376.72	145,163.40	36,433.07	24.62	45.00		5,156.63	-
LAWRENCE	-	-	25,897.50	4,520.83	92,038.60	15,470.71	7.32	14.25		612.37	-
LINCOLN	-	28.00	27,037.93	5,468.09	105,319.57	20,675.69	25.86	128.40		848.09	-
MARION	-	-	19,824.66	2,532.47	96,088.23	14,525.87	80.91	5.00		827.90	-
NEWTON	-	-	17,214.20	5,594.53	114,686.93	22,648.84	17.63	406.75		4,776.23	49.38
PEARL RIVER	-	-	14,725.70	769.93	92,103.20	9,002.62	4.60	0.01		230.79	161.92
PERRY	-	-	13,861.48	3,156.43	123,902.73	5,655.96	53.96	356.45		5,823.26	118.67
PIKE	13.33	-	32,026.08	1,873.63	64,092.17	19,855.51	9.14	7.57		103.15	-
RANKIN	-	1.40	21,764.23	8,995.39	84,427.73	12,176.49	16.01	286.43		4,517.04	50.42
SCOTT	-	-	13,596.47	4,581.61	63,779.27	40,505.02	28.97	260.87		2,700.38	4,227.88
SIMPSON	88.00	-	20,152.98	4,915.79	116,517.00	28,253.69	42.63	75.05		1,238.71	116.63
SMITH	-	-	19,993.89	6,446.07	89,386.00	5,267.11	17.51	177.88		3,349.23	672.33
STONE	-	-	7,257.70	471.45	44,872.07	476.40	13.60	28.01		133.52	964.79
WALTHALL	-	-	11,964.80	1,284.81	55,361.27	9,155.42	0.16	0.12		-	105.33
WARREN	38.67	1,093.04	1,032.30	18,609.02	5,395.30	47,390.36	-	1.80		-	-
WAYNE	-	-	20,621.86	4,021.89	112,695.53	23,690.66	13.89	125.63		1,559.28	-
WILKINSON	735.59	777.27	22,584.74	10,831.93	44,045.70	29,921.07	0.94	22.60		1,611.17	-
SOUTHERN TOTAL	3,544.92	4,886.36	656,471.49	182,762.29	2,709,179.70	649,296.35	768.79	3,671.57		61,690.87	15,974.93
		,		,		,		,			
GRAND TOTAL	3,635.59	6,427.41	1,122,847.24	254,156.70	4,373,176.52	1,351,200.84	1,060.48	6,401.56	-	77,243.36	21,400.99

¹ Data source: Mississippi Department of Revenue.