MISSISSIPPI STATE UNIVERSITY
EXTENSION SERVICE

Department of Forestry

2011 Harvest of Forest Products[1]

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The Mississippi forest industry harvested and delivered \$957 million worth of forest products to mills and other processors over the course of 2011. 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 2011 Mississippi timber harvest delivered to the point of first processing (such as a pulpwood yard or sawmill) was \$957,054,844. The estimated volume and value of the 2011 timber harvest by product is presented in Table 1. The 2011 harvest value is 8.2% lower than the 2010 value. This decrease in harvest value is mostly attributable to a combination of lower product prices for pulpwood and pine sawtimber and lower hardwood sawlog production. (See Table 2). A comparison of 2011 and 2010 Mississippi timber product prices is presented in Table 3.

Timber was the second most valuable agricultural commodity in 2011. Poultry and eggs were the most valuable at \$2.44 billion. Timber was second at \$957 million. Soybeans were third at \$860 million. Mississippi's forest landowners collected \$432.6 million for their standing timber in 2011, a decrease of 20.7% from the previous year. The estimated value of the harvesting and transportation sector[2], which is the difference between the delivered and standing values, increased 5.5% from the previous year to \$523.4 million. The value of the harvesting and transportation sector accounted for 54.7% of the total harvest value as compared with 47.6% of the total harvest value in 2010.

Severance tax collections on forest products were \$3,348,408 in 2011, which is 3.2% higher than 2010 collections. Twenty percent of severance tax collections, or about \$669,682, were returned to counties where the timber was harvested. Eighty percent, or about \$2,678,726, went 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 2010 and 2011 harvest volumes and delivered values by product category is presented in Table 2. The harvest volume of pine sawlogs increased by 25.8%, and its value increased 9.6%. Pine pulpwood volume fell by 3.6% while the value declined 21.3%. Hardwood sawlog volume fell 23%, and its value decreased by 21.3%. Hardwood pulpwood volume fell 1.8%, and its value declined by 18.7%. Christmas tree harvest declined 10% from the previous year and value fell by 6.1%.

[1] By James E. Henderson, Assistant Extension Professor.
[2] This sector includes logging firms, contractual services, contractual trucking, timber buyers, and wood dealers.

The estimated value of the harvesting and transportation sector accounted for 54.7% of the total harvest value in 2011 amounting to a 5.5% increase in this proportion over the previous year. This relative 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 pulpwood and most sawtimber categories. This was particularly significant for pine sawlogs and pulpwood which combined accounted for 75% of the total harvest value. Fuel prices increased sharply early in 2011 with the annual average prices of diesel increasing 28.8% from 2010 prices.

Demand for timber products was dampened for yet another year by the U.S. residential construction sector; however, for the first year since the bursting of the U.S. housing bubble in 2006, there was some improvement in the U.S. housing market. Home inventories finished the year at the 6 month supply level for both new and existing homes, which is a level considered to be characteristic of a healthy housing market. It would appear that home builders agree as building permits for March 2012 were up to 747 thousand seasonally adjusted annual rate, which is 30% increase from a year ago. Home construction should increase during 2012, and, if the economy continues to gain momentum, home construction should continue to increase over the next several years. It appears that the long awaited recovery in U.S. home construction is finally underway. However, supply of standing timber will keep downward pressure on prices for at least another year. Lumber production did increase over the course of 2011, as evidenced by a 25.8% year over year increase in pine sawlog harvest; yet, the year over year delivered price for pine sawtimber declined 12.2% and standing prices fell 25.8%. This can be attributed to several factors including higher supply of standing timber, less competition due to mill closures, and higher fuel prices in 2011 as compared with 2010.

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 on-line 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.

Table 1. Estimated volumes and values of the 2011 timber harvest.

Product/Unit[1]	Volume	Standing[2] Value($)	Delivered[2] Value($)
Pine Sawlogs, MBF, D	1,127,690	215,217,571	391,015,371
Hardwood Sawlogs[3], MBF, D	245,499	70,374,742	109,475,524
Pine Pulpwood, Cords	4,896,054	108,042,269	326,754,399
Hardwood Pulpwood, Cords	1,527,559	26,833,190	111,423,913
Poles, MBF, D	30,360	11,381,317	16,092,151
Crossties[4], MBF, D	2,900	745,132	1,213,487
Stumpwood[5], Tons	-	-	-
Christmas Trees[6], Tree	27,000	**	1,080,000
Total Value		432,594,221	**957,054,844**

[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] Stumpwood values calculated using pine pulpwood prices.
[6] 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 2010 and 2011 harvest volumes and delivered values by product.

	2010		2011			
Product/Unit[1]	Volume	Value	Volume	% Change	Value	% Change
		-Dollars-			-Dollars-	
Pine Sawlogs, MBF, D	896,695	356,836,022	1,127,690	25.8%	391,015,371	9.6%
Hardwood Sawlogs, MBF,D	318,708	139,035,635	245,499	-23.0%	109,475,524	-21.3%
Pine Pulpwood, Cords	5,079,317	378,445,240	4,896,054	-3.6%	326,754,399	-13.7%
Hardwood Pulpwood, Cords	1,555,765	137,052,572	1,527,559	-1.8%	111,423,913	-18.7%
Poles, MBF,D	51,294	28,306,205	30,360	-40.8%	16,092,151	-43.1%
Crossties, MBF,D	3,893	1,560,243	2,900	-25.5%	1,213,487	-22.2%
Stumpwood, Tons	-	-	-	-	-	-
					-	
Christmas Trees, Tree	30,000	1,150,000	27,000	-10.0%	1,080,000	-6.1%
					-	
Total Value		1,042,385,917			957,054,844	-8.2%

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

Table 3. Comparison of 2011 and 2010 Mississippi Major Product Prices[1].

		Standing Prices				Delivered Prices			
			Statewide Average				Statewide Average		
Product / Unit[2]	**Region**	**Average**	**2011**	**2010**	**% Change**	**Average**	**2011**	**2010**	**% Change**
Pine Pulpwood, Cords	North	18.53	21.30	28.69	-25.8%	66.73	69.41	77.40	-10.3%
	South	24.07				72.09			
Hardwood Pulpwood, Cords	North	17.73	17.58	32.71	-46.3%	72.30	72.91	88.11	-17.2%
	South	17.42				73.52			
Pine Sawtimber, MBF,D	North	181.00	189.38	255.25	-25.8%	342.50	346.13	394.00	-12.2%
	South	197.75				349.75			
Mixed Hardwood Sawtimber, MBF,D	North	257.25	250.13	260.38	-3.9%	419.00	406.13	398.50	1.9%
	South	243.00				393.25			
Oak Sawtimber, MBF,D	North	310.25	305.75	291.75	4.8%	474.25	468.25	453.50	3.3%
	South	301.25				462.25			
Pine Poles, MBF,D	North	388.75	378.00	407.75	-7.3%	541.50	532.63	556.88	-4.4%
	South	367.25				523.75			
Pine Pulp, Ton	North	6.92	7.95	10.69	-25.6%	24.90	25.90	28.92	-10.4%
	South	8.98				26.90			
Oak Pulp, Ton	North	6.12	6.06	11.28	-46.3%	24.93	25.14	30.38	-17.2%
	South	6.01				25.35			

[1] Data source: Timber Mart-South.

[2] Unit abbreviations: MBF = thousand board feet, and D = Doyle log rule.

Table 4. Mississippi's 2011 harvested timber volumes by product and county.

	PINE	HARDWOOD	PINE	HARDWOOD	PINE	HARDWOOD	PINE		PINE	HARDWOOD
	LUMBER	LUMBER	SAWLOGS	SAWLOGS	PULPWOOD	PULPWOOD	POLES	CROSSTIES	LOGS	LOGS
COUNTY	MBF	MBF	MBF,D	MBF,D	CORDS	CORDS	C CU FT	MBF,D	TONS	TONS
NORTHERN REGION										
ALCORN		4.00	3,947.31	1,086.67	17,293.33	6,801.64	0.13		56.00	316.00
ATTALA			36,239.42	2,348.00	103,434.33	30,877.71	15.48			
BENTON			5,362.00	716.00	21,533.33	12,294.33	0.39			
BOLIVAR			62.00	1,877.33	1,222.87	6,358.53				
CALHOUN			25,915.00	328.00	52,874.53	4,393.60	2.48			
CARROLL			6,469.54	1,260.00	114,438.97	21,829.07	10.41			
CHICKASAW			9,927.00	453.68	23,757.80	770.84	0.53			
CHOCTAW	16.00		27,902.05	3,092.00	136,958.87	63,117.96	11.05	6.67		253.69
CLAY	1.33		13,071.62	373.80	27,649.23	11,891.02			278.79	
COAHOMA				753.33	21.43	1,258.93	1.19			
DESOTO			27.00	172.00	2,213.80	2,494.04				
GRENADA			6,314.00	393.33	36,810.00	14,672.80	3.93			
HOLMES			5,655.33	5,801.80	60,521.30	28,068.00	0.36			
HUMPHREYS			13.00	843.03	50.00	10,504.00				
ISSAQUEENA			38.00	5,225.33	20.00	33,260.00				
ITAWAMBA			22,881.70	4,350.67	24,910.00	25,784.76	3.54			54.67
KEMPER	12.00		41,076.26	1,550.67	128,634.50	67,051.91	47.84		521.83	
LAFAYETTE	1.33		17,719.00	2,436.00	75,010.00	15,226.62	0.74	2.67		84.00
LEAKE			22,213.36	1,385.33	70,564.70	12,545.61	19.03		22.64	
LEE			4,501.00	1,370.67	1,340.00	5,866.67	0.29			42.67
LEFLORE			10.00	1,366.67	98.90	5,513.16				
LOWNDES			4,456.57	221.33	20,118.30	5,229.07		912.00	506.25	
MADISON			8,342.56	2,942.67	115,811.77	16,923.51	3.63		24.55	161.33
MARSHALL			2,091.00	1,826.67	17,153.77	10,206.62				
MONROE	1.33		21,359.99	2,654.67	30,463.03	20,346.03	3.22		1,298.48	88.00
MONTGOMERY			13,035.00	1,058.84	45,381.70	14,267.64	10.89			
NESHOBA	2.67		16,674.90	1,559.23	47,154.10	31,933.33	25.98	162.67	54.95	
NOXUBEE			26,997.60	3,116.00	96,951.50	22,890.00	4.92		582.60	
OKTIBBEHA	1.33		11,906.12	334.67	55,996.27	5,128.89	1.32	1,753.33	66.05	
PANOLA	1.33		1,707.00	2,230.67	36,688.70	4,797.87				
PONTOTOC			10,879.00	464.00	25,414.93	2,553.11				
PRENTISS		13.33	5,567.94	2,648.00	10,156.67	20,139.73	0.06			
QUITMAN			3.00	74.67	3,821.56	-				
SHARKEY			5,398.00	1,952.00		-				
SUNFLOWER			1,296.42	86.67	10.00	1,386.67				
TALLAHATCHIE			1,168.00	268.00	10,060.00	11,341.38	0.06			
TATE			272.55	1,305.33	4,019.47	947.29				
TIPPAH		1.33	5,973.88	1,300.00	21,803.33	12,093.33	0.95			5.33
TISHOMINGO			6,257.42	1,953.33	60,843.33	19,257.78			104.00	25.33
TUNICA			334.00	12.00	168.89	-			85.33	
UNION			3,621.42	1,765.33	21,322.43	9,755.56	0.21			133.33
WASHINGTON		2.67	15.13	2,142.44	70.03	16,150.93				
WEBSTER			36,388.10	1,622.67	91,213.50	21,927.42	15.08		840.71	
WINSTON	18.67		18,528.46	2,393.24	71,687.93	28,570.44	9.68		9.96	144.43
YALOBUSHA			11,218.00	558.67	46,830.00	48,018.04	2.54			
YAZOO			663.68	10,446.43	33,224.13	17,632.31	0.11			
NORTHERN TOTAL	56.00	21.33	463,500.33	82,121.81	1,765,723.24	722,078.18	196.02	2,837.33	4,452.13	1,308.78

Table 4. Mississippi's 2011 harvested timber volumes by product and county (cont.).

	PINE	HARDWOOD	PINE	HARDWOOD	PINE	HARDWOOD	PINE		PINE	HARDWOOD
	LUMBER	LUMBER	SAWLOGS	SAWLOGS	PULPWOOD	PULPWOOD	POLES	CROSSTIES	LOGS	LOGS
COUNTY	MBF	MBF	MBF,D	MBF,D	CORDS	CORDS	C CU FT	MBF,D	TONS	TONS
SOUTHERN REGION										
ADAMS	43.96	36.00	4,603.51	15,484.00	11,698.73	17,167.64			8.67	
AMITE		1,497.33	84,607.14	6,088.00	91,617.00	33,212.00	37.67		557.36	
CLAIBORNE			12,089.48	13,191.60	56,411.07	47,830.58	5.59		9.29	
CLARKE			25,565.68	3,097.55	137,858.43	33,964.49	45.26		4,370.64	38.96
COPIAH			41,419.80	6,942.67	179,937.10	46,227.07	27.86		668.80	
COVINGTON			7,613.68	1,736.00	79,803.60	16,347.87	0.40		1,439.43	277.33
FORREST			4,635.69	453.33	34,002.13	3,708.44	0.90		78.75	
FRANKLIN		53.33	42,455.96	3,786.67	87,139.63	29,972.98	13.80		68.75	
GEORGE			2,918.30	81.77	38,600.67	1,959.20	0.31			
GREENE			13,168.79	1,313.33	173,812.97	28,416.93	5.15		4.00	6.67
HANCOCK			13,242.60		47,523.60	1,005.87	0.15		17.41	
HARRISON			3,480.85	5.33	38,938.80	-	0.65			
HINDS			8,360.68	11,062.67	78,285.07	31,880.98			22.64	
JACKSON			5,904.62	346.67	46,246.43	2,170.67	0.09		82.11	46.67
JASPER			24,188.59	4,641.33	114,896.83	31,368.71	14.28		3,596.23	421.33
JEFF DAVIS			22,498.35	1,888.00	87,803.97	8,595.16	7.09		1,794.08	
JEFFERSON			16,777.32	11,217.33	56,995.47	21,921.33	0.22		366.65	
JONES			16,505.88	2,476.00	151,651.27	26,147.38	5.63	10.67	1,490.77	262.67
LAMAR			18,756.79	1,073.77	81,225.20	3,664.40	13.39		1,267.85	166.67
LAUDERDALE			20,753.48	1,786.67	91,640.53	37,249.82	19.10		2,348.89	
LAWRENCE			20,359.51	4,697.33	92,474.17	18,743.69	23.67		813.79	
LINCOLN			19,949.75	3,998.67	121,630.63	28,511.56	11.68		524.20	
MARION	98.67		15,817.58	2,741.33	115,183.87	22,102.18	1.93		2,002.23	184.00
NEWTON		5.33	18,136.18	3,785.33	95,203.70	34,369.56	36.15		2,791.39	778.67
PEARL RIVER			12,027.99	720.00	65,003.63	7,845.29	0.35		99.03	
PERRY			9,719.65	431.97	92,094.03	3,283.11	2.94		1,192.13	
PIKE		16.00	16,389.17	2,002.67	74,453.67	11,989.11	5.95			
RANKIN			14,399.49	6,485.65	103,196.43	12,797.02	12.24		1,158.87	172.00
SCOTT			19,557.25	5,788.89	122,784.87	64,009.42	6.79		1,243.41	922.63
SIMPSON		2.67	27,924.96	3,497.33	116,527.77	39,700.18	22.79		2,694.48	193.33
SMITH			18,697.30	4,547.57	106,681.37	12,372.13	4.71	52.00	2,161.35	41.33
STONE			7,935.00	54.67	34,733.87	1,608.71	2.10			
WALTHALL		58.67	6,490.00	1,357.33	65,743.37	11,307.96			978.59	
WARREN		36.00	915.00	21,986.67	1,726.47	47,905.07				
WAYNE			25,327.86	2,470.52	152,017.83	23,838.00	15.58		1,894.95	241.79
WILKINSON	1.33	589.33	40,795.69	9,812.00	69,325.33	40,478.53	11.57			
SOUTHERN TOTAL	143.96	2,294.67	663,989.57	161,050.64	3,114,869.50	803,673.02	355.98	62.67	35,746.72	3,754.04
GRAND TOTAL	199.96	2,316.00	1,127,489.90	243,172.45	4,880,592.74	1,525,751.20	551.99	2,900.00	40,198.86	5,062.82