



# Forest Resources

**Market Notes • Technical Notes • Research Notes • Newsletters**

June 1993

## 1992 Harvest of Forest Products

Mississippi Forestry had another banner year in 1992. Mississippi's forest industry (including private landowners, independent harvesters and company harvesting crews) harvested and delivered over \$810 million worth of forest products to mills and other processors in 1992. **The total value of Mississippi's 1992 timber harvest delivered to the first point of processing (such as a pulpwood yard or sawmill) was \$810,288,332. This harvest value was nearly 16% higher than 1991 and is a new all time high harvest value for Mississippi forestry.** Timber values have been steadily increasing in Mississippi in recent years. Since 1987, new record high timber harvest values were set 5 of the 6 years. Timber was the second most valuable agricultural commodity in Mississippi in 1992 after cotton which was valued at \$832 million. Poultry and eggs were ranked third and registered a \$765 million value. Landowners collected more than \$516 million for their standing timber in 1992 and the logging/transportation segment of the industry was valued at \$293,837,519.

Severance tax collections on timber were 9.2% higher than in 1991. Total timber severance tax collections for 1992 were \$3,954,988.80. Twenty percent of the severance tax collections, or about \$790,997, was returned to the counties where the timber was harvested. Eighty percent, or about \$3,163,990, went to the Forest Resource Development Program (FRDP) to provide cost-share funds to private, nonindustrial, forest landowners for reforestation and other forest management practices.

The value of Mississippi's harvest of forest products surged ahead 15.8% in 1992. Harvest volumes were higher for nearly all products and prices were also higher. The estimated value of the 1992 timber harvest is shown in Table 1. A comparison of timber harvest volume and value for 1991 and 1992 by product categories is given in Table 2. Table 3 compares major product prices by region for 1991 and 1992.

The trend in 1992 was up. Every product harvest volume and value increased except turpentine gum. The strongest volume increase among the major forest products were pine poles and hardwood sawlogs which increased 35% and 27%, respectively. Pine sawlog harvest volume increased 7% and value increased 8%. Hardwood sawlog value increased nearly 47% which reflects the increasing prices for hardwood sawtimber.

Pulpwood harvest volumes increased in 1992. Pine pulpwood volume moved up nearly 3%, but hardwood pulpwood volume increased over 12%. Pine and hardwood pulpwood values increased 5 and 14 percent respectively in 1992. The increases in pulpwood harvest volumes and value reflect improving markets for pulpwood throughout the state and greater use of hardwood pulpwood by the pulp and paper industry in the

region. The greater the price difference between pine and hardwood pulpwood the greater incentive for the pulp and paper industry to use the less expensive hardwood fiber. This and export demand have been the motive for increasing hardwood pulpwood harvest volumes in recent years. As hardwood pulpwood prices begin to equalize with pine pulpwood prices most analysts expect the hardwood pulpwood harvest to come into balance with pine pulpwood harvests. We have not reached that balance yet in Mississippi, but prices are moving in that direction.

Stumpage prices for sawtimber and pulpwood were up significantly in most areas of the state in 1992. Pine sawtimber prices were up 14 to 23 percent, depending on which area of the state you examine. Hardwood sawtimber price increases ranged from 10 to 19%. Likewise, pulpwood prices were also higher especially in north and central Mississippi. Pine pulpwood prices increased from 9 to 48 percent with the north and central regions of the state posting 48 and 35 percent increases, respectively. Hardwood pulpwood prices also showed similar increases with price increases ranging from 0 to 79%. Again, the greatest competition was in north and central Mississippi where prices increased 79 and 57 percent, respectively.

Mississippi's market for forest products today is very dynamic. These price increases reflect several factors that affected Mississippi's timber markets in 1992. Generally, competition is increasing due to market demands. There is greater competition for timber in central and north Mississippi as industries spread north to tap lower priced timber. This trend has been continuing for several years. The opening of the Tennessee-Tombigbee Waterway has accelerated this trend and has had a strong influence on pulpwood prices in north Mississippi.

During 1992, other influences intensified the competition for and pricing of Mississippi's timber. Pine lumber prices, though up and down through the year, trended up. Plywood prices were trending up even before Hurricane Andrew hit Florida and Louisiana in the summer of 1992. Anticipated rebuilding from the hurricane boosted lumber and plywood prices, while wet weather in many areas of Mississippi kept log inventories from getting too high. Then late in 1992, uncertainty about the lumber supply from the Northwest in response to the Northern Spotted Owl habitat controversy spurred lumber prices again. All these factors kept upward pressure on Mississippi stumpage markets and help account for our record harvest in 1992.

Table 4 shows the harvested volumes of forest products by county within the MCES Timber Price Report Regions for 1992.

For more information on timber marketing procedures and timber prices, contact your county Extension office or Mississippi State University Department of Forestry P.O. Drawer FR, Mississippi State, MS 39762.

Sincerely,



Bob Daniels  
Extension Forester

**Table 1. Estimated Value of the 1992 Timber Harvest**

Product	Unit	Price/unit <sup>1</sup>		Volume	Value		
		Standing	Delivered		Standing	Delivered	
		-----Dollars-----				-----Dollars-----	
Sawlogs-Pine	MBF,D		<sup>2</sup>	963,219		235,348,784	259,863,936
-Hardwood	MBF,D		<sup>2</sup>	401,698		61,649,419	99,070,089
Pulpwood-Pine	Cords		<sup>3</sup>	4,363,526		76,723,468	185,463,423
-Hardwood	Cords		<sup>3</sup>	3,486,074		33,482,267	126,113,474
Poles-Pine	MBF,D	311.50	391.50	35,645		11,103,417	13,955,017
Plywood Logs-Pine	MBF,D	272 <sup>4</sup>	340 <sup>4</sup>	314,450		85,530,400	106,913,000
Hardwood Veneer Logs	MBF,D	413 <sup>5</sup>	480 <sup>5</sup>	19,062		7,872,606	9,149,760
Crossties-Hardwood	MBF,D	92.50	-	18,493		1,710,602	-
	Tie <sup>6</sup>	-	11	414,363		-	4,557,993
Stumpwood	Tons	5 <sup>5</sup>	62 <sup>5</sup>	5,970		29,850	370,140
Turpentine Gum	Barrel	-	100 <sup>5</sup>	315		-	31,500
Christmas Trees <sup>7</sup>	Tree <sup>8</sup>	15 <sup>9</sup>		200,000		3,000,000	4,800,000
<b>TOTAL VALUE</b>						516,450,813	810,288,332

<sup>1</sup>Regional product prices taken from the MCES Timber Price Report, except where otherwise noted.

<sup>2</sup>Sawlog Prices by Region, \$/MBF, Doyle

<sup>3</sup>Pulpwood Prices by Region, \$/Cord

Region <sup>a</sup>	Standing		Delivered		Region <sup>a</sup>	Standing		Delivered	
	Pine	Hardwood <sup>b</sup>	Pine	Hardwood <sup>b</sup>		Pine	Hardwood	Pine	Hardwood
North	231.75	137.75	277.50	232	North	20	10.75	47	38
Central	258	161.25	287.50	249.50	Central	19	11	43	35.50
South	256.50	151	295.25	259	South	15	7.75	39	33.25
Delta/River	217	162.75	295.25 <sup>c</sup>	247.50	Delta/River	15	6.75	45.25	40

<sup>a</sup>Regions are those defined in the MCES Timber Price Report.

<sup>b</sup>Hardwood sawlog average prices were calculated using mixed hardwood and oak sawtimber prices from the MCES Timber Price Report. The hardwood sawlog average prices are based on the assumption that Mississippi's hardwood sawmills cut 70% oak and 30% other species primarily yellow poplar, and sweetgum in 1992. Therefore, the hardwood sawlog average price for each region was calculated using the following formula:

Regional hardwood sawlog prices = .7 (average regional oak price) + .3 (average regional mixed hardwood price)

<sup>c</sup>Southern region delivered pine price used. Most pine in Delta/River region comes from southwestern counties.

<sup>d</sup>Prices from Timber Mart South.

<sup>e</sup>Price estimates by consultation with industry contacts.

<sup>f</sup>Calculated as 44.63 board feet per 7" x 9" x 8.5' tie.

<sup>g</sup>Estimate in cooperation with the LA-MS Christmas Tree Association and individual growers.

<sup>h</sup>The average Christmas tree is assumed to be 6 to 8 feet tall.

<sup>i</sup>Standing price is the estimated average wholesale Christmas tree price to growers.

<sup>j</sup>Delivered price is the estimated average price paid for a "choose and cut" Christmas tree.

**Table 2. Comparison of 1991 and 1992 Harvest Volume and Value by Product**

Product/Unit	1991		1992			
	Volume	Value*	Volume	% Change	Value*	% Change
Pine Sawlogs MBF,D	894,638	\$239,694,210	963,219	7.67	\$259,863,936	8.41
Hardwood Sawlogs,MBF,D	314,647	\$67,412,516	401,698	27.67	\$99,070,089	46.96
Pine Pulpwood, Cords	4,237,457	\$176,291,114	4,363,526	2.98	\$185,463,423	5.20
Hardwood Pulpwood, Cords	3,107,559	\$110,551,727	3,486,074	12.18	\$126,113,474	14.08
Plywood Logs, MBF,D	295,647	\$81,007,278	314,450	6.36	\$106,913,000	31.98
Poles, MBF,D	26,297	\$9,151,355	35,645	35.55	\$13,955,017	52.49
Hardwood Veneer Logs, MBF,D	15,509	\$7,289,230	19,062	22.91	\$9,149,760	25.52
Crossties Delivered, Ties	301,871	\$3,320,581	414,363	37.26	\$4,557,993	37.26
Stumpwood, Tons	4,287	\$265,794	5,970	39.26	\$370,140	39.26
Turpentine Gum, Barrels	1,761	\$176,100	315	(82.11)	\$31,500	(82.11)
Christmas Trees, Tree	200,000	\$4,200,000	200,000	0.00	\$4,800,000	14.29
<b>TOTAL</b>		<b>\$699,359,905</b>			<b>\$810,288,332</b>	<b>15.86</b>

\*Value delivered to the first point of processing.

**Table 3. 1991 Versus 1992 Major Product Price Comparison by Region<sup>1</sup>**

Product/Unit	Region	1991		1992			
		Standing	Delivered	Standing	% Change	Delivered	% Change
Pine Sawtimber, MBF,D	North	187.50	245.50	231.75	23.60	277.50	13.03
	Central	215.00	267.00	258.00	20.00	287.50	7.68
	South	221.00	280.00	256.50	16.06	295.25	5.45
	Delta/River	189.66		217.00	14.42	-- <sup>2</sup>	
Hardwood Sawtimber,MBF,D <sup>3</sup>	North	122.25	217.00	137.75	12.68	232.00	6.91
	Central	137.00	205.50	161.25	17.70	249.50	21.41
	South	126.00	229.00	151.00	19.84	259.75	13.43
	Delta/River	147.50	214.00	162.75	10.34	247.50	15.65
Pine Pulpwood, Cords	North	13.50	43.00	20.00	48.15	47.00	9.30
	Central	14.00	43.50	19.00	35.71	43.00	(1.15)
	South	13.75	38.25	15.00	9.09	39.00	1.96
	Delta/River	11.75	47.00	15.00	27.66	45.25	(3.72)
Hardwood Pulpwood, Cords	North	6.00	36.75	10.75	79.17	38.00	3.40
	Central	7.00	35.50	11.00	57.14	35.50	0.00
	South	7.75	33.25	7.75	0.00	33.25	0.00
	Delta/River	6.50	37.50	6.75	3.85	40.00	6.67

<sup>1</sup>Product prices and price regions taken from the MCES Timber Price Report.

<sup>2</sup>Insufficient data.

<sup>3</sup>Hardwood sawtimber prices are as defined in Table 1, footnote 2.

Table 4. Harvest of Forest Products Summary Data

County	Pine Lumber MBM	Hardwood Lumber MBM	Pine Sawlogs MBF,D	Hardwood Sawlogs MBF,D	Pine Pulpwood Cords	Hardwood Pulpwood Cords	Pine Poles C Cu Ft	Stumpwood Tons	Turpentine Gum Barrels	Crossfies MBF,D	Other MBF/Cords
<b>NORTH REGION</b>											
Alcorn	839.88	636.68	1,473.65	1,133.04	35,989.00	21,905.77				348.13	
Benton	542.41	119.12	5,075.33	4,081.52	12,427.53	9,003.95	83.16	41.40			
Calhoun		125.86	9,750.59	3,810.09	32,777.33	25,445.60	65.66			1,389.44	
Carroll	1,620.94	982.68	6,914.34	2,785.56	50,450.66	48,888.48	168.06		117.16	2.77	
Chickasaw		150.82	6,904.39	2,919.74	22,252.03	38,770.80				304.46	26.64
Clay		80.97	6,423.49	4,645.90	7,325.23	26,248.93				247.72	
Desoto		69.12	380.32	706.68	4,839.96	4,870.97					
Grenada			6,240.51	5,423.88	31,326.86	86,446.93	66.23				
Itawamba			14,137.28	5,497.89	52,791.10	95,835.82					4.00
Lafayette	317.41	37.33	18,140.55	4,681.85	93,914.50	34,719.24	202.19				
Lee	145.02	111.72	7,253.00	959.29	12,278.20	22,249.68	35.17			1.50	
Marshall	393.38	10.30	9,522.87	2,811.36	81,650.90	60,932.40	30.14			4.86	
Monroe	12.00	715.33	9,942.49	3,831.40	65,213.53	59,137.28				729.77	426.88
Montgomery	3,061.58	4,452.37	4,593.42	1,381.08	61,477.90	49,583.60	428.00			1,293.64	
Panola	7.49	0.00	4,554.89	3,159.37	33,814.86	26,731.02	138.12			6.18	
Pontotoc	197.06	9,957.17	5,719.81	28,875.60	49,146.48	190.38					
Prentiss	2,098.21	79.30	6,525.00	948.29	57,106.20	54,735.82	35.06			3,139.45	17.50
Tate	88.72		4,619.66	1,809.14	16,950.66	9,338.31	12.44				
Tippah	4,856.64	2,752.32	6,137.19	1,750.32	76,190.70	43,977.06	6.16			2,025.20	
Tishomingo	845.69	1,483.54	6,337.04	358.60	88,988.63	50,156.62				611.57	
Union	490.12	1,072.13	6,022.60	3,816.69	14,291.53	22,058.88	90.70				
Webster		35.86	10,153.11	2,784.71	42,821.23	30,394.53	30.71				
Yalobusha	167.93	11.28	7,380.27	3,110.08	41,751.26	21,016.93	186.87				
<b>Total</b>	<b>15,684.48</b>	<b>22,883.90</b>	<b>164,201.80</b>	<b>91,282.08</b>	<b>985,776.28</b>	<b>842,639.00</b>	<b>1,578.67</b>	<b>41.40</b>	<b>117.16</b>	<b>10,104.69</b>	<b>475.02</b>

Table 4. Harvest of Forest Products Summary Data

County	Pine Lumber MBM	Hardwood Lumber MBM	Pine Sawlogs MBF,D	Hardwood Sawlogs MBF,D	Pine Pulpwood Cords	Hardwood Pulpwood Cords	Pine Poles C Cu Ft	Stumpwood Tons	Turpentine Gum Barrels	Crossities MBF,D	Other MBF/Cords
<b>CENTRAL REGION</b>											
Attala			19,794.26	6,155.89	92,205.90	71,934.97	88.22				272.12
Choctaw		6.68	16,242.24	2,920.45	96,917.10	52,432.04				59.90	16.93
Clarke	153.21	612.26	31,550.85	6,029.64	142,388.40	105,600.40	682.87				
Hinds	486.66	31.77	16,971.59	9,199.38	36,971.90	50,585.15	12.17				
Holmes		232.53	12,031.55	6,135.14	59,760.73	105,538.75	107.51			65.08	60.60
Jasper		107.90	30,225.78	8,531.68	105,035.50	84,409.20	566.59				
Kemper		1,822.72	41,237.84	10,515.30	157,057.40	91,962.84	1,540.94			6.65	
Lauderdale	1,943.50	1,080.53	34,572.04	2,122.86	112,270.13	132,486.75	1,787.74				
Leake		638.04	30,634.22	8,197.68	52,136.86	50,928.35	208.27				
Lowndes		523.38	3,558.21	2,839.61	6,859.83	35,391.86				412.90	
Madison		161.18	15,212.43	3,467.69	64,617.60	32,828.08				123.41	
Neshoba		464.37	32,727.64	7,438.34	76,024.13	103,562.53	360.50			174.89	85.08
Newton		237.78	21,188.81	3,664.97	69,304.53	76,877.73	1,382.38				
Noxubee		244.40	39,709.89	3,284.61	69,346.50	47,445.20	1,198.05				
Oktibbeha		243.50	9,522.38	1,595.82	31,336.83	30,104.26	17.12			2,795.01	44.04
Rankin	597.69		49,017.47	8,520.52	120,939.86	72,458.35	91.13				
Scott	2.62		50,427.41	3,769.26	79,448.52	35,002.75	214.33				
Simpson	773.72	7.04	31,048.46	4,213.06	69,696.86	54,510.80	551.43				
Smith	1,429.80		37,118.62	5,297.30	83,537.30	66,518.35	61.71			164.14	
Winston		35.41	30,370.40	11,083.26	59,568.86	54,483.46	390.42			2.89	
<b>Total</b>	<b>5,387.20</b>	<b>6,449.49</b>	<b>553,162.09</b>	<b>114,982.46</b>	<b>1,585,424.74</b>	<b>1,355,061.82</b>	<b>9,261.38</b>	<b>0.00</b>	<b>0.00</b>	<b>3,804.87</b>	<b>478.77</b>

Table 4. Harvest of Forest Products Summary Data

County	Pine Lumber MBM	Hardwood Lumber MBM	Pine Sawlogs MBF,D	Hardwood Sawlogs MBF,D	Pine Pulpwood Cords	Hardwood Pulpwood Cords	Pine Poles C Cu Ft	Stumpwood Tons	Turpentine Gum Barrels	Crossities MBF,D	Other MBF,D
<b>SOUTH REGION</b>											
Amite	223.29		62,994.69	3,368.08	114,709.63	52,257.95	282.57			2,518.20	
Copiah	1,043.56	4.24	40,190.13	9,144.22	102,420.50	91,235.11					
Covington	2,965.80	18,127.50		4,044.20	43,181.46	41,739.42	33.73				
Forrest	762.64		11,154.72	1,207.78	44,443.23	22,905.91	2,979.22				
Franklin	78.20		48,960.83	3,063.54	54,421.40	41,906.31	83.92				
George	788.21	243.02	6,950.26	483.17	25,830.86	18,646.17	2,933.41				
Greene	9.86	1,089.80	24,212.44	629.13	145,795.20	47,522.17	558.30			13.25	
Hancock	1,516.88		10,354.59	2,485.56	68,397.63	6,045.68	850.80	2,909.32			
Harrison	1,080.70	14.69	10,562.34	14.69	71,995.76	9,206.08	6,586.21				
Jackson	1,757.78	24.77	10,069.87	237.08	63,779.33	13,747.06	4,412.03	2,202.04			
Jeff Davis	151.48		15,181.75	1,730.34	34,927.50	21,775.15	839.80				
Jones	27.76	274.24	28,809.26	7,421.42	81,661.73	67,346.04	3,833.43				37.42
Lamar	136.29		11,315.37	765.04	66,072.36	12,065.91	3,794.37				
Lawrence	521.32		19,389.99	5,465.65	82,545.86	56,922.31	2,559.03				10.50
Lincoln		48.85	38,059.79	4,137.92	89,838.46	64,448.53	6.63	782.00			
Marion	346.04	8.86	20,698.23	8,381.20	89,402.96	66,660.00	786.94				
Pearl River	1,947.98	64.17	16,639.72	1,046.13	95,982.03	26,939.11	3,418.92	35.16			
Perry	214.69		19,295.73	432.04	53,764.13	12,264.71	11,022.42				
Pike	640.41	43.08	18,414.76	3,133.25	55,346.13	29,150.57	6.33			1,638.36	88.78
Stone	2,056.86		7,307.94	38.24	83,270.63	27,393.68	4,353.49				
Walthall	431.69	14.82	10,680.86	1,908.37	40,479.36	23,456.13	169.88				
Wayne	3.08	86.06	24,063.57	2,838.62	114,777.83	68,061.68	4,425.74			7.33	
<b>Total</b>	<b>16,704.52</b>	<b>20,044.10</b>	<b>455,306.84</b>	<b>61,975.67</b>	<b>1,623,043.98</b>	<b>821,695.68</b>	<b>53,937.17</b>	<b>5,928.52</b>	<b>0.00</b>	<b>4,177.14</b>	<b>136.70</b>



Table 4. Harvest of Forest Products Summary Data

County	Pine Lumber MBM	Hardwood Lumber MBM	Pine Sawlogs MBF,D	Hardwood Sawlogs MBF,D	Pine Pulpwood Cords	Hardwood Pulpwood Cords	Pine Poles C Cu Ft	Stumpwood Tons	Turpentine Gum Barrels	Crossities MBF,D	Other MBF,D
<b>DELTA/RIVER REGION</b>											
Adams	60.28	541.56	9,461.47	2,686.85	10,191.63	58,220.84				14.66	
Bolivar		123.16	43.09	880.78	165.86	1,490.35	4.14		198.16		770.61
Claiborne			14,028.05	17,241.86	28,515.13	49,949.42					
Coahoma	16.22	20.08	382.23	7,256.29		11,208.80				379.74	
Humphreys			277.59	1,160.62	166.90	574.35					
Issaquena		957.30	23.75	5,291.86	671.33	17,820.22					
Jefferson			20,215.60	9,338.93	39,749.50	73,891.06					
Leflore				1,865.36	591.46	5,259.73					
Quitman			224.49	426.36	908.70	1,678.31					
Sharkey				5,761.97	81.70	4,762.75					
Sunflower					452.10	315.60					
Tallahatchie			2,618.10	7,526.28	10,331.93	14,790.71	27.27				
Tunica			42.57	2,195.66	10.36	6,312.13					
Warren			2,013.33	22,010.85	5,753.40	61,695.68				3.00	
Washington		1,662.81	57.03	3,307.08	193.90	11,016.57					
Wilkinson	5.42	8.40	32,822.77	13,145.12	64,270.33	94,330.40					
Yazoo			2,919.96	12,905.84	7,226.63	53,360.97				9.24	
<b>Total</b>	<b>81.92</b>	<b>3,313.31</b>	<b>85,130.03</b>	<b>113,001.71</b>	<b>169,280.86</b>	<b>466,677.89</b>	<b>31.41</b>	<b>0.00</b>	<b>198.16</b>	<b>406.64</b>	<b>770.61</b>