



Forest Resources

Market Notes • Technical Notes • Research Notes • Newsletters

1990 Harvest of Forest Products

June, 1991

Mississippi's forest industry (including private landowners, independent harvesters, and company harvesting crews) harvested and delivered more than \$737 million worth of forest products to mills and other processors in 1990. The total value of Mississippi's 1990 timber harvest delivered to the first point of processing (such as a pulpwood yard or sawmill) was \$737,484,002. This harvest value is 2.9% higher than 1989 and is a new all-time record harvest value. This marks the fourth consecutive year that new record high values have been posted. Timber was the most valuable agricultural commodity in Mississippi for 1990, surpassing cotton and poultry. Landowners collected more than \$409 million for their standing timber as their share of the harvest. The logging and transportation segment of the forest industry registered an estimated value of \$328,052,379 in 1990.

Severance tax collections on timber were 3.7% lower than in 1989. Total timber severance tax collections for 1990 were \$3,833,253.44. Twenty percent of the severance tax collections were returned to the counties where the timber was harvested. Eighty percent went to the Forest Resource Development Program (FRDP) to provide cost-share funds to private forest landowners for reforestation and other forest management practices on private forest land.

Again, in 1990, the production value of the timber harvest is an all-time high. The estimated value of the 1990 timber harvest is shown in Table 1. A comparison of timber harvest volume and value for 1989 and 1990 by product categories is given in Table 2. The comparison shows that the harvest volume for many products was lower, but the volume of hardwood sawlogs, pine pulpwood, and pine poles increased. Increased prices combined with harvest volumes to push the total production value higher in 1990. Pine sawlog volume, for example, was down 8%, but higher delivered prices caused the value to be only 1.7% lower. Similarly, the hardwood sawlog volume was only up 7.2%, but delivered value was 18.5% higher.

The total pulpwood harvest for 1990 was down slightly (1.4%), with hardwood pulpwood volume falling 9.6%, but pine pulpwood volume increased by 5%. Pine plywood log volume was 10.4% lower than 1989, but the pine pole volume harvested increased 29.4%. The harvest volume of hardwood veneer logs was down 16.8% from 1989, and the crosstie harvest was also lower by 8.3%. Stumpwood and turpentine gum volumes increased in 1990, but these products remain a minor part of the state's harvest. The number of Christmas trees harvested in 1990 was lower by 8%, but higher prices increased their value by 7.3%.

During 1990, housing starts fell virtually all year from about 1.6 million units in February to about 1.1 million units in December. The dismal housing market kept pine lumber markets soft for most of the

year and also affected the hardwood lumber markets since furniture and many other hardwood products are also housing-related. Low consumer confidence due to the Middle East situation late in the year also had an adverse effect on sawtimber markets. However, paper production during 1990 was strong, and the decline in pulpwood harvest was compensated by good markets for sawmill chips. This market was helpful to the lumber side of the business in 1990.

Major factors contributing to the increase in value for Mississippi's timber harvest are increased prices (see Table 3) and new markets for timber in Northeast Mississippi. New chip mills and sawmills associated with the Tennessee-Tombigbee Waterway have created new markets for the region. Timber that once had no market is being sold. The waterway has effectively brought Northeast Mississippi timber into the procurement range of pulp mills in south Mississippi, Alabama, and even northwest Florida. Additionally, export demand for chips has contributed to this phenomenon. The general increase in prices reflects increasing competition for Mississippi timber and higher prices paid during part of the year due to wet weather.

Table 4 shows the volumes of forest products by county within the MCES Timber Price Report regions for 1990.

For more information on timber prices and timber marketing procedures, contact your county Extension agent or the Extension Forestry Department, P. O. Box 5446, Mississippi State, MS 39762.

Sincerely,

A handwritten signature in cursive script that reads "Bob Daniels".

Bob Daniels
Wood Utilization Forester

Table 1. Estimated Value of the 1990 Timber Harvest

Product	Unit	Price/unit ¹		Volume	Value	
		Standing	Delivered		Standing	Delivered
		-----Dollars-----		-----Dollars-----		
Sawlogs-Pine	MBF,D		²	973,247	200,146,222	254,637,037
-Hardwood	MBF,D		²	438,348	50,104,164	97,357,900
Pulpwood-Pine	Cords		³	4,242,894	54,462,006	168,327,637
-Hardwood	Cords		³	2,901,794	21,547,950	103,225,017
Poles-Pine	MBF,D	309	365.50	36,350	11,232,150	13,285,925
Plywood Logs-Pine	MBF,D	186 ⁴	255 ⁴	320,325	59,580,450	81,682,875
Hardwood Veneer Logs	MBF,D	389 ⁵	467 ⁵	21,353	8,306,317	9,971,851
Crossties-Hardwood	MBF,D	93	-	16,168	1,503,624	-
Tie ⁶		-	10 ⁵	362,268	-	3,622,680
Stumpwood	Ton	5 ⁵	60 ⁵	3,748	18,740	224,880
Turpentine Gum	Barrel	-	100 ⁵	3,182	-	318,200
Christmas Trees ⁷	Tree ⁸	11 ⁹	21 ¹⁰	230,000	2,530,000	4,830,000
TOTAL VALUE					409,431,623	737,484,002

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

²Sawlog Prices by Region, \$/MBF, Doyle

³Pulpwood Prices by Region, \$/Cord

Region ^a	Standing		Delivered		Region ^a	Standing		Delivered	
	Pine	Hardwood ^b	Pine	Hardwood ^b		Pine	Hardwood	Pine	Hardwood
North	177.50	122	245.75	196	North	12.25	6.50	40.50	36
Central	213	133.75	261.50	222	Central	12.50	7.50	41	35.75
South	219.75	136.75	270.25	230.50	South	13.50	8.75	37.75	34.50
Delta/River	189	163.75	270.25 ^c	238	Delta/River	12.25	6.25	47.50	36.50

^aRegions are those defined in the MCES Timber Price Report.

^bHardwood 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 in 1990. 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)

^cSouthern region delivered pine price used since data not available for Delta/River region, and most of this pine volume comes from southwestern counties.

^dPrices from Timber Mart South.

^ePrice estimates obtained by consultation with industry contacts.

^fCalculated as 44.63 board feet per 7" x 9" x 8.5' tie.

^gEstimate in cooperation with the LA-MS Christmas Tree Association and individual growers.

^hThe typical Christmas tree is between 6 and 8 feet tall.

ⁱStanding price is the estimated average wholesale Christmas tree price to growers.

^jDelivered price is the estimated average price paid for a "choose and cut" Christmas tree.

Table 2. Comparison of 1989 and 1990 Harvest Volume and Value by Product

Product, Unit	1989		1990			
	Volume	Value*	Volume	% Change	Value*	% Change
Pine Sawlogs, MBF,D	1,058,436	259,075,164	937,247	-8.0	254,637,037	-1.7
Hardwood Sawlogs, MBF,D	408,612	82,110,203	438,348	+7.2	97,357,900	+18.5
Pine Pulpwood, Cords	4,037,194	148,496,771	4,242,894	+5.0	168,327,637	+13.3
Hardwood Pulpwood, Cords	3,212,324	109,749,893	2,901,794	-9.6	103,225,017	-5.9
Plywood Logs, MBF,D	357,539	85,451,821	320,325	-10.4	81,682,875	-4.4
Poles, MBF,D	28,079	11,512,390	36,350	+29.4	13,285,925	+15.4
Hardwood Veneer Logs, MBF,D	25,671	11,654,634	21,353	-16.8	9,971,851	-14.4
Crossties Delivered, Tie	395,093	3,950,930	362,268	-8.3	3,622,680	-8.3
Stumpwood, Tons	333	19,980	3,748	+1025.5	224,880	+1025.5
Turpentine Gum, Barrels	1,539	153,900	3,182	+106.7	318,200	+106.7
Christmas Trees, Tree	250,000	4,500,000	230,000	-8.0	4,830,000	+7.3
TOTAL		716,675,686			737,484,002	+2.9

*Value delivered to the first point of processing

Table 3. 1989 Versus 1990 Major Product Price Comparison by Region¹

Product, Unit	Region	1989		1990			
		Standing	Delivered	Standing	% Change	Delivered	% Change
Pine Sawtimber, MBF,D	North	158	229.50	177.50	+12.3	245.75	+ 7.0
	Central	190.50	245.50	213	+11.8	261.50	+ 6.5
	South	207.50	251.50	219.75	+ 5.9	270.25	+ 7.4
	Delta/River	169	²	189	+11.8	²	--
Hardwood Sawtimber, MBF,D ³	North	113	191.75	122	+ 7.9	196	+ 2.2
	Central	117.25	198.50	133.75	+14.0	222	+11.8
	South	104.50	194	136.85	+30.8	230.50	+18.8
	Delta/River	137	214.25	163.75	+19.5	238	+11.0
Pine Pulpwood, Cords	North	10.50	37.25	12.25	+16.6	40.50	+ 8.7
	Central	11.25	36.25	12.50	+11.1	41	+13.1
	South	13	36.50	13.50	+ 3.8	37.75	+ 3.4
	Delta/River	7.75	42.50	12.25	+58.0	47.50	+11.7
Hardwood Pulpwood, Cords	North	5.75	35.25	6.50	+13.0	36	+ 2.1
	Central	7.25	35.25	7.50	+ 3.4	35.75	+ 1.4
	South	9	32	8.75	- 2.7	34.50	+ 7.8
	Delta/River	7	34.75	6.25	-10.7	36.50	+ 5.0

¹Product prices and price regions taken from the MCES Timber Price Report.

²Insufficient data.

³Hardwood sawtimber prices are as defined in Table 1, Footnote 2.

1990 Harvest of Forest Products Summary Data

North Region

County	Lumber		Sawlogs		Pulpwood		Poles/ Piling C CU FT	Stumpwood Tons	Turpentine		Other MBF,D/CORDS
	Pine MBM*	Hardwood MBM	Pine MBF,D	Hardwood MBF,D	Pine Cords	Hardwood Cords			Gum Barrels	Crossties MBF,D	
Alcorn	4272.33	818.66	4067.08	1099.13	33623.93	13431.33	0.00	0.00	0.00	2113.45	0.00
Benton	1992.18	2192.34	6361.10	3374.24	12980.83	8825.60	42.22	946.24	0.00	43.89	0.00
Calhoun	316.86	15.53	18326.69	4644.58	31249.53	30622.00	0.00	0.00	0.00	1167.33	0.00
Carroll	2821.37	1881.57	6743.64	4504.48	61204.40	39032.93	0.00	0.00	0.00	0.00	0.00
Chickasaw	0.00	133.00	7841.52	4538.74	43443.23	20412.53	0.00	0.00	0.00	103.17	0.00
Clay	0.00	1255.89	11525.14	5855.82	17667.06	18123.06	0.00	0.00	0.00	0.00	0.00
DeSoto	73.54	0.00	327.79	1217.92	7678.66	6288.00	0.00	0.00	0.00	0.00	0.00
Grenada	0.00	1798.18	6774.50	6872.85	41048.20	56676.17	0.00	0.00	0.00	190.97	0.00
Itawamba	5.34	3.73	12121.48	7304.84	45411.00	87646.88	0.00	0.00	0.00	0.00	6.72
Lafayette	383.13	129.81	20159.01	3578.38	84003.30	30812.71	0.00	0.00	0.00	0.00	0.00
Lee	0.00	767.50	4742.95	1063.94	14892.86	7757.73	0.00	0.00	0.00	8.16	0.00
Marshall	826.22	1631.53	9638.70	3368.13	77956.66	30763.68	0.00	0.00	0.00	36.46	0.00
Monroe	177.37	529.29	12573.85	4433.29	50483.26	76340.57	7.07	0.00	0.00	1657.38	0.00
Montgomery	928.04	3515.54	5773.42	2989.14	38143.36	34837.91	0.00	0.00	0.00	141.64	0.00
Panola	0.00	0.00	4687.34	3009.48	51958.26	13404.08	0.00	0.00	0.00	0.00	0.00
Pontotoc	213.02	1089.70	10969.51	6821.73	28306.03	26817.33	0.00	0.00	0.00	97.22	0.00
Prentiss	1930.89	514.18	6545.96	1614.21	42240.33	48636.44	0.00	0.00	0.00	3653.98	112.46
Tate	113.22	290.72	841.27	1204.53	9673.43	3073.42	0.00	0.00	0.00	0.00	0.00
Tippah	1657.84	2495.14	5582.66	2881.17	40621.26	24785.95	88.04	0.00	0.00	2391.38	0.00
Tishomingo	991.16	2898.49	4703.78	1212.68	85870.30	38409.82	0.00	0.00	0.00	770.32	0.00
Union	3684.25	1701.30	8086.59	7069.12	20711.96	15691.28	0.00	0.00	0.00	65.73	0.00
Webster	0.00	12.78	13205.73	5475.00	40119.36	22018.04	0.00	0.00	0.00	0.00	0.00
Yalobusha	0.00	0.00	8883.68	4167.30	66685.13	24850.00	0.00	0.00	0.00	7.11	0.00

Central Region

County											
Attala	38.24	110.66	32276.40	14796.52	135475.56	57099.91	0.00	0.00	0.00	50.64	0.00
Choctaw	0.00	3.50	20524.10	4498.54	72170.83	25655.46	24.11	0.00	0.00	0.00	0.00
Clarke	0.00	348.60	24277.63	10856.14	137025.13	90165.86	460.51	0.00	0.00	0.00	0.00
Hinds	0.00	67.69	9337.54	8708.42	24125.66	47666.84	211.85	0.00	0.00	0.00	0.00
Holmes	0.00	435.54	2739.33	9053.84	49504.03	67998.31	0.00	0.00	0.00	0.00	0.00
Jasper	0.00	1174.26	28471.27	7414.61	96035.10	83753.68	182.95	0.00	0.00	0.00	0.00
Kemper	0.00	1130.44	32106.85	4360.64	107649.76	55259.02	600.28	0.00	3001.36	0.00	0.00
Lauderdale	1534.44	1299.33	33577.18	2422.24	104845.23	79806.84	2556.63	0.00	0.00	0.00	0.00
Leake	0.00	15.37	24142.48	7706.56	55892.90	44072.17	28.84	0.00	0.00	0.00	0.00
Lowndes	0.00	75.18	11941.15	3640.80	14037.20	26602.22	0.00	0.00	0.00	0.00	0.00
Madsion	0.00	120.61	11749.12	6359.61	29533.93	21321.37	0.00	0.00	0.00	0.00	0.00
Neshoba	180.69	247.46	51822.72	6199.26	71534.23	52906.13	346.13	166.80	0.00	587.64	0.00
Newton	30.98	589.05	21038.09	2317.74	88087.50	63853.02	818.30	0.00	0.00	61.46	4.16
Noxubee	0.00	0.00	22807.42	4260.44	47971.70	16533.28	2464.10	0.00	0.00	0.00	0.00
Okitubbeha	14.61	23.44	22247.03	2419.24	37424.70	16715.91	91.24	0.00	0.00	2581.92	0.00
Rankin	0.00	571.16	44469.48	6419.45	116717.10	53807.28	1951.33	0.00	0.00	0.00	0.00
Scott	0.00	242.40	46787.32	6930.53	76980.86	39820.62	369.79	0.00	0.00	10.73	0.00
Simpson	0.00	13.45	22292.63	4498.20	53152.60	33070.08	958.70	0.00	0.00	0.00	0.00
Smith	12.09	103.62	45357.67	6584.77	88555.40	68875.86	216.46	0.00	0.00	0.00	0.00
Winston	0.00	305.81	46270.53	9499.98	62353.03	25876.97	835.30	61.12	0.00	14.89	0.00

South Region

County	Lumber		Sawlogs		Pulpwood		Poles/ Piling C CU FT	Stumpwood Tons	Turpentine Gum Barrels	Cross-ties MBF,D	Other MBF,D/CORDS
	Pine MBM*	Hardwood MBM	Pine MBF,D	Hardwood MBF,D	Pine Cords	Hardwood Cords					
Amite	1066.48	774.32	69079.71	3534.64	100379.33	45800.97	563.67	0.00	0.00	0.00	0.00
Copiah	151.53	277.98	28144.79	9565.50	77511.26	77787.28	1683.56	0.00	0.00	0.00	0.00
Covington	0.00	0.00	12862.85	3282.85	63458.30	46215.46	124.90	0.00	0.00	0.00	0.00
Forrest	0.00	125.70	14586.33	1283.10	76335.20	20761.11	4747.22	0.00	0.00	5.96	0.00
Franklin	0.00	543.06	44144.71	7426.80	54449.43	51624.84	427.62	0.00	0.00	0.00	0.00
George	7.34	70.05	5660.11	569.36	31708.86	17775.24	429.38	0.00	145.40	0.00	0.00
Greene	0.00	456.30	24900.14	1723.88	149716.63	47889.51	449.83	0.00	0.00	15.89	0.00
Hancock	0.00	3.94	6675.88	27.96	76152.36	6892.53	1441.48	921.28	0.00	0.00	0.00
Harrison	71.25	0.00	11148.56	0.00	75188.16	6010.93	3206.46	0.00	0.00	0.00	0.00
Jackson	0.00	95.68	10604.82	646.21	52800.66	17358.53	1665.43	0.00	0.00	0.00	0.00
Jeff Davis	26.38	29.96	10827.94	1400.09	29747.90	7151.33	1418.10	0.00	0.00	0.00	0.00
Jones	0.00	252.16	25747.90	6424.00	81738.53	60489.82	2687.97	0.00	0.00	4.16	0.00
Lamar	0.00	0.00	12582.53	719.81	89143.23	18983.68	6073.58	0.00	0.00	0.00	58.38
Lawrence	0.00	62.40	16011.61	5360.42	73185.83	24702.35	1094.71	0.00	0.00	0.00	0.00
Lincoln	0.00	125.56	44327.61	5302.69	76600.53	94088.26	2026.99	23.48	0.00	0.00	0.00
Marion	7.20	417.25	17709.41	5613.24	86311.63	38070.17	1489.93	0.00	0.00	152.68	0.00
Pearl River	0.00	0.00	11428.57	889.57	111165.36	36188.00	3741.88	0.00	0.00	0.00	0.00
Perry	0.00	7.76	21344.29	1547.17	71416.00	25301.24	13940.68	0.00	0.00	0.00	0.00
Pike	33.32	18.98	15134.19	1523.74	57885.16	21286.75	557.00	0.00	0.00	0.00	0.00
Stone	0.00	0.00	13732.59	323.46	94674.60	9150.17	5402.43	0.00	0.00	0.00	0.00
Walthall	0.00	50.18	12151.80	2742.21	40822.96	42972.31	180.57	0.00	0.00	0.00	0.00
Wayne	0.00	7.10	24457.08	1967.66	125036.46	94839.24	321.18	0.00	0.00	0.00	0.00

Delta and River

County	Pine MBM*	Hardwood MBM	Pine MBF,D	Hardwood MBF,D	Pine Cords	Hardwood Cords	Poles/ Piling C CU FT	Stumpwood Tons	Turpentine Gum Barrels	Cross-ties MBF,D	Other MBF,D/CORDS
Adams	22.60	2182.37	8305.59	16521.72	9280.43	44120.26	0.00	0.00	0.00	0.00	0.00
Bolivar	0.00	198.89	19.62	7463.77	387.66	6128.93	29.44	1628.84	35.33	226.14	788.16
Claiborne	0.00	1294.05	9840.31	17080.34	18700.70	47854.80	0.00	0.00	0.00	0.00	0.00
Coahoma	18.24	12.33	291.83	5051.84	0.00	4245.11	0.00	0.00	0.00	0.00	0.00
Humphreys	0.00	0.00	1626.75	141.33	109.53	9213.02	0.00	0.00	0.00	0.00	0.00
Issaquena	0.00	0.00	35.70	9668.08	7.53	36551.11	0.00	0.00	0.00	0.00	0.00
Jefferson	0.00	1798.09	24404.43	9625.06	43358.03	70135.60	0.00	0.00	0.00	0.00	0.00
Leflore	0.00	0.00	0.00	1384.50	629.80	1369.37	0.00	0.00	0.00	0.00	0.00
Quitman	0.00	0.00	50.88	955.06	441.50	3293.02	13.85	0.00	0.00	0.00	0.00
Sharkey	0.00	0.00	0.00	2324.18	0.00	4139.55	0.00	0.00	0.00	0.00	0.00
Sunflower	0.00	6.90	0.00	81.80	185.10	744.31	0.00	0.00	0.00	0.00	0.00
Tallahatchie	0.00	0.00	1825.71	6068.30	11915.56	7709.33	0.00	0.00	0.00	7.46	0.00
Tunica	0.00	0.00	290.83	3081.44	0.00	2779.77	0.00	0.00	0.00	0.00	0.00
Warren	0.00	686.05	2392.42	22366.24	3098.73	49570.44	0.00	0.00	0.00	0.00	0.00
Washington	0.00	51.72	0.96	7033.60	37.26	9734.57	0.00	0.00	0.00	0.00	0.00
Wilkinson	0.00	1470.50	32972.24	14566.64	39726.13	85256.08	118.70	0.00	0.00	0.00	0.00
Yazoo	0.00	1960.45	1258.72	24515.56	4542.96	57490.44	0.00	0.00	0.00	0.00	0.00

*MBM stands for "thousand board measure," a measure of actual lumber yield and differs from MBF,D.