



Forest Resources

Market Notes • Technical Notes • Research Notes • Newsletters

1989 HARVEST OF FOREST PRODUCTS

May 1990

Mississippi's forest industry (including private landowners, independent harvesters and company harvesting crews) harvested and delivered more than \$716 million worth of forest products to mills and processors in 1989. The total value of Mississippi's 1989 timber harvest, delivered to the first point of processing (such as pulpwood yard or sawmill) was \$716,675,686. This harvest value is up over 17% from 1988 and is a new all time record harvest value for Mississippi timber. In addition, 1989 posts the third record harvest value in as many years. Forest products rivaled poultry and eggs as the most valuable agricultural crop in 1989.¹ Landowners received over \$410 million for their standing timber and specialty products as their share of the harvest.

Severance tax collections on timber were 14% higher than in 1988. Total timber severance tax collections for 1989 were \$3,984,603.02. Twenty percent of the severance tax collections were returned to the counties where the timber was harvested. Eighty percent went to the Forest Resources Development Program (FRDP) to provide cost-share assistance to private forest landowners for reforestation, and other forest management practices on private forest land.

The value of Mississippi's timber harvest for 1989 is an all time record high. Every major forest product with the exception of pine plywood logs showed a substantial increase in harvest volume. These increased harvest volumes combined with higher prices account for the record harvest value in 1989. The volume of hardwood pulpwood increased nearly 27% compared with 1988. This increase reflects the growing use of hardwood fiber in paper production. Pine pulpwood volume also rose by over 17%. Pine sawlog harvest volume increased 14.8%, while hardwood sawtimber harvest volume increased 7.5%. Pine pole volume increased nearly 16% from 1988, while plywood log volumes fell by 12.6%. The hardwood veneer log harvest volume was up 28.3% and crosstie volume increased by 10%. Stumpwood and turpentine gum continued as minor products. Christmas trees declined for the first time in several years perhaps signaling a maturing of the industry. A comparison of product volumes and delivered values for 1988 and 1989 are given in Table 2.

In 1989, prices increased for virtually every major forest product. Price increases were due in part to greater competition and also to very poor harvesting conditions that persisted for most of the year. A comparison of 1988 and 1989 prices by product and region is given in Table 3. Pine sawlog stumpage prices were up 12 to 14% and delivered prices increased about 7%. Stumpage prices for hardwood sawlogs were up 6 to 17%, while delivered prices increased from 1 to 9% depending on region of the state. Pulpwood posted the largest price increases of the year, particularly hardwood pulpwood in the

¹At this printing, preliminary figures show poultry and eggs values at \$709 million in 1989.

north and central price regions. Hardwood pulpwood stumpage price increases ranged from 16 to 61% while delivered prices increased from 16 to 20%. Likewise pine pulpwood stumpage prices increased 8 to 16% except in the Delta where average pine pulpwood prices declined compared to 1988. Pine pulpwood delivered prices increased from 5 to 14%.

Weather was a major factor in the timber market in 1989. Rainy weather persisted for much of the year making harvesting difficult. In addition, the rainy conditions kept buying competition for winter logging sites brisk, which supported higher stumpage prices for much of the year. These higher prices were a major contribution to the record harvest value. Increased demand for Mississippi's timber products was also a factor in 1989. The 1989 export market for both hardwood and softwood products was good. Southern pine lumber exports increased 16% and southern pine plywood exports rose 19%. Also in 1989, Hurricane Hugo in South Carolina and the October earthquake in San Francisco contributed to domestic demand for building materials. Over all, the housing market in 1989 was steady and lower with housing starts averaging about 1.4 million units. It used to be thought that 1.7 million units were needed for strong forest industry performance, but in recent years remodeling and export markets have taken up the new housing market slack. U.S. hardwood lumber exports in 1989 were lower overall by 1.5%, but this was due to an 18% drop in red oak lumber exports. Lumber exports of white oak, ash, hickory and maple were higher in 1989. Domestic demand for hardwood products such as furniture, flooring, and moldings remained good in 1989.

Paper and paperboard production remained strong in 1989, with U.S. production at about 76 million tons. North and Central Mississippi saw stronger demand for pulpwood in 1989. New chipping mills along the Tennessee-Tombigbee Waterway have greatly expanded markets for hardwood pulpwood in these areas. Overall, Mississippi pulpwood production increased 21% in 1989 compared with 1988. Pulpwood alone accounted for 36% of the 1989 harvest value of Mississippi's timber.

The estimated value of the 1989 timber harvest is shown in Table 1. Average prices were taken from the MCES Timber Price Report except where otherwise noted. The average delivered pulpwood prices are for pulpwood delivered to the local pulpwood yard gate. Table 4 shows the volumes of forest products by county within MCES Price Report regions for 1989.

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

Sincerely,



Bob Daniels
Wood Utilization Forester

TABLE 1. ESTIMATED VALUE OF THE 1989 TIMBER HARVEST

Product	Unit	Price/unit ¹		Volume	Value	
		Standing	Delivered		Standing	Delivered
		-----Dollars-----		-----Dollars-----		
Sawlogs-Pine	MBF,D		²	1,058,436	199,001,739	259,075,164
-Hardwood	MBF,D		²	408,612	49,212,928	82,110,203
Pulpwood-Pine	Cords		³	4,037,194	47,367,322	148,496,771
-Hardwood	Cords		³	3,212,324	24,047,874	109,749,893
Poles-Pine	MBF,D	341	410	28,079	9,574,939	11,512,390
Plywood Logs-Pine	MBF,D	190 ⁴	239 ⁴	357,539	67,932,410	85,451,821
Hardwood Veneer Logs	MBF,D	379 ⁵	454 ⁵	25,671	9,729,309	11,654,634
Crossties-Hardwood	MBF,D	78	-	17,633	1,375,374	-
	Tie ⁶	-	10 ⁵	395,093	-	3,950,930
Stumpwood	Ton	5 ⁵	60 ⁵	333	1,665	19,980
Turpentine Gum	Barrel	-	100 ⁵	1,539	-	153,900
Christmas Trees ⁷	Tree	10.50	18	250,000	2,625,000	4,500,000
TOTAL VALUE					410,868,560	716,675,686

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	158	113	229.50	191.75	North	10.50	5.75	37.25	35.25
Central	190.50	117.25	245.50	198.50	Central	11.25	7.25	36.25	35.25
South	207.50	104.50	251.50	194	South	13.00	9	36.50	32
Delta/Riv	169	137	251.50 ^c	214.25	Delta/Riv	7.75	7	42.50	34.75

^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 1989. Therefore, the hardwood sawlog average price for each region was calculated using

ESTIMATED VALUE OF THE 1989 TIMBER HARVEST

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the following formula:

$$\begin{aligned} \text{Regional hardwood sawlog price} &= .7 \text{ (average regional oak price)} \\ &+ .3 \text{ (average regional mixed hardwood price)} \end{aligned}$$

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

⁴Prices from Timber Mart South

⁵Price estimates obtained by consultation with industry contacts.

⁶Calculated as 44.63 board feet per 7"x9"x8.5' tie.

⁷Estimate in cooperation with the LA-MS Christmas Tree Association.

TABLE 2. Comparison of 1988 and 1989 Harvest Volume and Value by Product

Product, Unit	-----1988-----		-----1989-----			
	Volume	Value*	Volume	% Change	Value*	% Change
Pine Sawlogs, MBF,D	921,641	209,068,655	1,058,436	+14.8	259,075,164	+23.9
Hardwood Sawlogs, MBF,D	379,982	73,838,637	408,612	+ 7.5	82,110,203	+11.2
Pine Pulpwood, cords	3,431,213	117,392,583	4,037,194	+17.6	148,496,771	+26.4
Hardwood Pulpwood, cords	2,531,729	72,526,653	3,212,324	+26.8	109,749,893	+51.3
Plywood Logs, MBF, D	409,093	112,091,482	357,539	-12.6	85,451,821	-23.7
Poles, MBF,D	24,219	8,646,183	28,079	+15.9	11,512,390	+33.1
Hardwood Veneer Logs, MBF,D	19,999	9,259,537	25,671	+28.3	11,654,634	+25.8
Crossties Standing, MBF,D	15,930	1,099,170	17,633	+10	1,375,374	+10
Delivered Tie	356,935	2,587,779	395,093	+10	3,950,930	+10
Stumpwood, tons	65	3,900	333	+203	19,980	+412
Turpentine Gum, barrels	82	8,200	1,539	+54.5	153,900	+54.5
Christmas Trees, tree	300,000	6,000,000	250,000	-16.6	4,500,000	-21
Total	--	611,423,609	--	--	716,675,686	+17.2

*Value delivered to the first point of processing.

TABLE 3. 1988 versus 1989 Major Product Price Comparison by Region 1/

Product, Unit	Region	-----1988-----		-----1989-----			
		Standing	Delivered	Standing	% Change	Delivered	% Change
Pine Sawtimber, MBF,D	North	141	213.50	158	+12	229.50	+7
	Central	164	227.50	190.50	+16	245.50	+8
	South	181.50	233	207.50	+14	251.50	+8
	Delta/River	2/	2/	169	--	2/	--
Hardwood Sawtimber 3/ MBF,D	North	99.50	175.25	113	+13	191.75	+9
	Central	100.25	190.25	117.25	+17	198.50	+4
	South	98.50	190.75	104.50	+6	194	+3
	Delta/River	137	212.25	137	0	214.25	+1
Pine, Pulpwood cords	North	9	35	10.50	+16	37.25	+6
	Central	9	32.50	11.25	+13	36.25	+11
	South	12	34.75	13	+8	36.50	+5
	Delta/River	9.25	37.25	7.75	-16	42.50	+14
Hardwood Pulpwood cords	North	3.75	29.75	5.75	+53	35.25	+18
	Central	4.50	29.25	7.25	+61	35.25	+20
	South	7.50	26.50	9	+20	32	+20
	Delta/River	6	30	7	+16	34.75	+16

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

2/Insufficient data

3/Hardwood Sawtimber prices are as defined in Table 1, footnote 2

Table 4. 1989 FOREST PRODUCTS VOLUME BY COUNTY WITHIN REGION

County	Product										
	Lumber		Sawlogs		Pulpwood		Poles, Piling (100 cu. ft)	Stump- Wood (Tons)	Turpen- tine Gum (Barrels)	Cross- ties (MBF)	Any Other Product (MBF)
	Pine (MBF)	Hardwood	Pine	Hardwood	Pine	Hardwood (Cords)					
NORTH											
Alcorn	1433.85	476.53	4842.39	2824.80	29712.10	8796.62	-	-	-	519.09	-
Benton	1397.53	164.02	2440.58	1639.72	17337.03	6189.46	-	-	-	191.33	-
Calhoun	200.74	220.28	25027.59	6651.53	42678.16	35346.31	19.54	333.28	-	1549.64	-
Carroll	2634.85	2292.26	6640.29	5874.94	50527.60	26203.20	-	-	454.16	-	-
Chickasaw	21.36	421.14	4929.58	2193.25	25667.26	16115.15	2.22	-	-	646.00	-
Clay	5.0	2405.53	8219.6	2059.24	19854.63	17599.73	-	-	-	93.2	-
DeSoto	691.33	-	235.7	362.18	1084.76	544.71	-	-	-	-	-
Grenada	-	1738.33	5563.71	5352.77	37720.7	49118.88	-	-	-	5.93	-
Itawamba	1315.29	725.22	15380.63	6811.76	57942.6	66782.93	-	-	-	-	-
Lafayette	1087.18	561.17	22372.82	4077.85	101854.56	25372.08	-	-	-	-	-
Lee	241.26	-	4171.45	1372.06	16312.43	13829.06	-	-	-	14.26	-
Marshall	77.18	1122.86	3038.4	2269.50	42885.96	22760.04	-	-	-	46.89	-
Monroe	104.49	379.46	19730.1	2494.09	62245.8	65965.91	-	-	-	1561.49	-
Montgomery	1173.54	4390.86	10674.37	2117.24	67580.86	37380.66	169.43	-	-	79.86	-
Panola	49.49	782.65	665.94	3047.66	16868.16	6095.42	-	-	-	124.44	-
Pontotoc	1734.65	205.58	11028.66	7751.13	22013.03	25777.15	-	-	-	23.34	-
Prentiss	2109.53	2567.77	10242.07	1393.68	42957.60	24974.53	-	-	-	4705.37	234.04
Tate	180.04	660.17	180.87	1925.28	3900.56	485.77	-	-	-	484.08	-
Tippah	3005.04	3120.86	8406.30	3120.00	40374.03	27436.04	-	-	-	2058.69	-
Tishomingo	2076.66	4881.70	5492.76	203.37	96909.43	26891.86	-	-	-	250.64	-
Union	2391.10	1859.02	8538.02	4552.71	16769.76	10561.06	-	-	-	2.69	-
Webster	-	21.91	14536.31	7037.17	45192.63	20022.62	-	-	-	122.34	-
Yalobusha	-	3751.89	10067.08	3975.22	56212.10	16197.20	-	-	-	99.37	-
CENTRAL											
Attala	-	-	18804.77	5510.56	82576.13	38838.93	160.37	-	-	60.18	-
Choctaw	-	-	23390.85	3828.01	50439.16	30343.77	125.66	-	-	.40	-
Clarke	33.33	361.50	31829.49	9193.05	123266.26	121017.20	775.92	-	-	-	-
Hinds	-	68.81	9067.56	7905.04	24012.26	45819.42	51.87	-	-	-	-
Holmes	-	263.30	5683.94	7767.28	54818.46	83780.84	-	-	-	-	-
Jasper	-	1718.46	28073.59	7785.72	59936.80	72905.73	557.23	-	-	-	-
Kemper	353.50	935.10	43514.57	3163.30	61840.03	69440.08	967.20	-	-	-	-
Lauderdale	2398.85	3220.69	35922.97	2189.01	95398.66	114567.73	613.01	-	-	-	-
Leake	-	7.28	24761.02	5207.08	71686.96	43849.68	77.51	-	-	1.49	-
Lowndes	7.46	51.12	5235.03	1921.68	7815.86	31963.28	-	-	-	28.54	-
Madison	-	-	9398.5	6051.69	20030.86	23281.28	-	-	-	-	-
Neshoba	138.2	235.50	52319.04	3532.25	53112.50	69555.60	467.31	-	-	948.26	-
Newton	519.70	524.56	37133.08	1934.4	99315.60	72591.77	609.89	-	-	138.73	-
Noxubee	8.13	74.54	27461.61	3709.36	23511.33	13357.02	4269.09	-	-	.93	-
Oktibbeha	33.02	21.58	17067.34	2932.25	25221.56	7263.73	170.63	-	-	2751.65	-
Rankin	-	538.04	33113.31	7497.46	89742.23	76069.46	263.60	-	-	2.46	-
Scott	77.38	120.96	35736.88	9825.01	85833.76	32492.57	193.53	-	-	11.28	-
Simpson	27.72	471.81	24434.17	2743.00	55839.6	51152.40	347.02	-	-	26.21	-
Smith	160.37	1237.41	39583.41	6772.72	104657.96	88063.46	1027.68	-	-	47.62	-
Winston	-	-	36761.41	6045.57	50369.66	27412.04	1998.41	-	-	64.41	-

1989 FOREST PRODUCTS VOLUME BY COUNTY WITHIN REGION

County	Product										
	Lumber		Sawlogs		Pulpwood		Poles, Piling (100 cu.ft)	Stump- Wood (Tons)	Turpen- tine Gum (Barrels)	Cross- ties (MBF)	Any Other Product (MBF)
	Pine (MBF)	Hardwood	Pine (MBF)	Hardwood	Pine (Cords)	Hardwood					
SOUTH											
Amite	-	306.34	78989.56	2923.30	131546.86	50988.71	1106.56	-	-	-	-
Copiah	131.57	65.61	43265.36	9992.25	95353.03	105870.44	1945.94	-	-	-	-
Covington	-	1801.14	16581.62	2329.69	63074.10	83560.75	710.93	-	-	119.70	-
Forrest	-	173.10	15253.53	906.94	89481.80	27557.82	5092.05	-	-	12.46	-
Franklin	208.66	859.78	48917.29	4511.91	64265.56	51736.48	348.10	-	-	-	-
George	-	158.01	7575.28	960.34	30051.40	31472.26	993.88	-	-	-	-
Greene	-	190.48	38597.63	1627.64	152507.20	90893.68	1178.58	-	-	-	-
Hancock	-	-	9251.03	84.16	86149.36	4221.33	3394.98	-	-	-	-
Harrison	-	-	6323.43	68.04	45622.23	11114.88	3131.99	-	-	-	-
Jackson	.92	444.97	10010.57	404.72	46754.00	25693.06	1323.57	-	-	-	-
Jeff Davis	-	297.61	7267.94	1102.08	24164.86	8107.64	633.56	-	-	2.76	-
Jones	-	418.85	24778.77	3802.78	71027.43	67895.73	372.18	-	-	5.41	-
Lamar	-	128.72	15726.51	354.10	113987.16	21103.77	8710.99	-	-	12.56	-
Lawrence	-	2.06	24567.51	4531.18	97952.46	31030.44	1160.90	-	-	-	-
Lincoln	-	276.04	57003.18	5168.46	86772.16	87686.44	3434.06	-	-	-	-
Marion	3.36	353.72	18174.70	4121.26	72980.86	38342.04	1293.83	-	-	152.68	-
Pearl River	-	44.77	21666.90	384.80	100763.13	37792.53	4016.59	-	-	-	-
Perry	-	-	28055.04	823.28	83429.70	32817.82	12458.70	-	-	-	-
Pike	171.02	13.50	27502.31	1707.76	73125.40	25734.57	960.23	-	-	1.84	-
Stone	-	-	17146.98	505.25	67964.93	11459.28	11006.83	-	-	-	-
Walthall	-	163.61	12165.51	5711.37	39030.66	31175.28	418.43	-	-	2.86	-
Wayne	-	-	32535.77	1810.24	124270.90	109359.51	4695.69	-	-	-	-
DELTA AND RIVER											
Adams	99.93	1421.93	14006.79	10537.21	8555.20	60726.13	-	-	-	.45	-
Bolivar	-	19.04	148.08	5746.89	624.50	7869.64	-	-	-	-	190.92
Claiborne	-	673.48	10170.31	17566.38	16877.93	48173.15	48.48	-	-	-	-
Coahoma	-	12.33	163.76	5023.17	-	4889.60	-	-	-	-	-
DeWitt	-	-	166.60	364.42	555.36	1508.40	-	-	-	-	-
Issaquena	-	-	5.93	6764.22	468.03	40754.57	-	-	-	-	-
Jefferson	-	1258.72	22553.41	10546.93	47397.13	75058.80	29.41	-	-	-	-
Leflore	-	912.61	2.97	2495.61	840.83	745.82	-	-	-	-	197.17
Quitman	-	28.48	27.67	38.30	1226.80	281.51	-	-	-	-	-
Sharkey	-	-	-	3591.86	21.26	3046.48	-	-	-	-	-
Sunflower	-	-	-	205.85	413.46	110.44	-	-	-	-	38.96
Tallahatchie	-	5001.25	451.43	5423.12	8060.43	6410.48	-	-	-	-	-
Tunica	-	17.34	-	2224.46	-	-	-	-	-	-	-
Warren	-	3089.78	2277.47	26209.56	2362.70	69504.17	-	-	-	-	-
Washington	-	-	11.23	2215.17	23.76	24783.37	-	-	-	-	-
Wilkinson	-	3372.94	32246.68	11011.21	35358.40	137513.15	154.39	-	1084.80	-	-
Yazoo	-	403.92	3042.73	19456.13	3295.30	81121.11	18.98	-	-	-	-