



Forest Resources

Market Notes • Technical Notes • Research Notes • Newsletters

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1991 Harvest of Forest Products

Mississippi's forest industry (including private landowners, independent harvesters and company harvesting crews) harvested and delivered nearly \$700 million worth of forest products to mills and other processors in 1991. **The total value of Mississippi's 1991 timber harvest delivered to the first point of processing (such as a pulpwood yard or sawmill) was \$699,359,905. This harvest value is 5.1% lower than 1990 and is the first decline in harvest value since 1986. Between 1987 and 1990 four consecutive all time high harvest values were recorded. Timber was the second most valuable agricultural commodity in Mississippi for 1991 behind cotton which totaled \$817 million.** Landowners collected more than \$389 million for their standing timber as their share of the harvest. The logging and transportation segment of the forest industry contributed an estimated value of \$309,699,699 in 1991.

Severance tax collections on timber were 5.5% lower than in 1990. Total timber severance tax collections for 1991 were \$3,620,263.44. 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, nonindustrial, forest landowners for reforestation and other forest management practices.

In 1991, Mississippi's value of timber harvest declined 5.1%. This was expected since the rate of increase in 1989 and 1990 had slowed. However, 1991 was still an excellent year for forestry in Mississippi. The estimated value of the 1991 timber harvest is shown in Table 1. A comparison of timber harvest volume and value for 1990 and 1991 by product categories is given in Table 2. Table 3 compares major product prices by region for 1990 and 1991.

The general trend in 1991 was down slightly. The volumes of most products harvested were lower but prices were steady or slightly higher in many areas of our state and that kept the harvest value high. Every product category showed a volume decrease except stumpwood and hardwood pulpwood. The increase in hardwood pulpwood volume was 7% and reflects the continuing trend of hardwood fiber use by the paper industry. It was not many years ago that there was virtually no market for hardwood pulpwood in Mississippi.

Stumpage prices for pine sawtimber were up statewide, though only slightly, except in north Mississippi where average pine sawtimber stumpage prices were up 5.6%. Hardwood sawtimber stumpage prices were up slightly in the north half of the state while prices were down more than 7% in the south and Delta.

In general, standing prices for pine pulpwood were up while hardwood pulpwood prices were down. It's noteworthy that though the harvest volume of hardwood pulpwood was up 7%, prices were down 6 to 11 percent, except in the Delta. This may be a reflection of the volume of hardwood pulpwood available.

Delivered prices for pine sawtimber in 1991 were steady or up slightly statewide compared to 1990. Hardwood sawtimber delivered prices were lower in every region of the state with the exception of north Mississippi where the delivered hardwood sawtimber average rose over 10 percent. Pine pulpwood average delivered prices were up in all regions except the Delta. Hardwood pulpwood average delivered prices varied by region. Prices were up slightly in the north and Delta, while prices fell slightly in the central and south regions.

In 1991, markets for forest products were adversely affected by the general economic slump triggered by the Persian Gulf war. However, housing starts improved moderately from a January 1991 low of about 850,000 units to a year-end level of 1,100,000 units. This gave some increase in demand for building products but housing starts remained well below the 1.6 million unit level posted in February 1990. Consequently, pine and hardwood lumber markets were soft during most of the year until late fall when developments concerning Northern Spotted Owl habitat in the Pacific Northwest spurred an increase in softwood lumber prices.

Increasing competition, some rainy weather in spring and effects of lower Pacific Northwest harvesting combined to push stumpage for Mississippi sawtimber up in 1991, especially for pine. In addition, export markets for southern wood products remained good during 1991. Pine lumber, hardwood lumber, Southern pine plywood, and hardwood chip exports all increased during the year. Japan and the European community continued as the top two customers respectively for U.S. wood products.

Table 4 shows the harvested volumes of forest products by county within the MCES Timber Price Report Regions for 1991.

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

Sincerely,



Bob Daniels
Extension Forester

Table 1. Estimated Value of the 1991 Timber Harvest

Product	Unit	Price/unit ¹		Volume	Value	
		Standing	Delivered		Standing	Delivered
		-----Dollars-----		-----Dollars-----		
Sawlogs-Pine	MBF,D		²	894,638	186,945,239	239,694,210
-Hardwood	MBF,D		²	314,647	42,393,520	67,412,516
Pulpwood-Pine	Cords		³	4,237,457	58,029,902	176,291,114
-Hardwood	Cords		³	3,107,559	21,298,050	110,551,727
Poles-Pine	MBF,D	272 ⁵	348	26,279	7,152,784	9,151,355
Plywood Logs-Pine	MBF,D	218 ⁴	274 ⁴	295,674	64,451,046	81,007,278
Hardwood Veneer Logs	MBF,D	386 ⁵	470 ⁵	15,509	5,986,474	7,289,230
Crossties-Hardwood	MBF,D	88.25	-	13,391	1,181,756	-
Tie ⁶		-	11	301,871	-	3,320,581
Stumpwood	Tons	5 ⁵	62 ⁵	4,287	21,435	265,794
Turpentine Gum	Barrel	-	100 ⁵	1,761	-	176,100
Christmas Trees ⁷	Tree ⁸	11 ⁹	21 ¹⁰	200,000	2,200,000	4,200,000
TOTAL VALUE					389,660,206	699,359,905

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	187.50	122.25	245.50	217	North	13.50	6	43	36.75
Central	215	137	267	205.50	Central	14	7	43.50	35.50
South	221	126	280	229	South	13.75	7.75	38.25	33.25
Delta/River	189.66	147.50	280 ^c	214	Delta/River	11.75	6.50	47	37.50

^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 primarily yellow poplar, and sweetgum in 1991. 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. Most pine comes from southwestern counties.

^dPrices from Timber Mart South, converted from Scribner to Doyle by the formula: \$/MBF,Scribner x 1.17 = \$1MBF, Doyle.

^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 6 to 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 1990 and 1991 Harvest Volume and Value by Product

Product, Unit	1990		1991			
	Volume	Value*	Volume	% Change	Value*	% Change
Pine Sawlogs, MBF,D	937,247	254,637,037	894,638	-4.5	239,694,210	-5.8
Hardwood Sawlogs, MBF,D	438,348	97,357,900	314,647	-28.2	67,412,516	-30.7
Pine Pulpwood, Cords	4,242,894	168,327,637	4,237,457	-1	176,291,114	+4.7
Hardwood Pulpwood, Cords	2,901,794	103,225,017	3,107,559	+7.0	110,551,727	+7.0
Plywood Logs, MBF,D	320,325	81,682,875	295,647	-7.7	81,007,278	-8.2
Poles, MBF,D	36,350	13,285,925	26,297	-27.6	9,151,355	-31.1
Hardwood Veneer Logs, MBF,D	21,353	9,971,851	15,509	-27.3	7,289,230	-26.9
Crossties Delivered, Tie	362,268	3,622,680	301,871	-16.6	3,320,581	-9.3
Stumpwood, Tons	3,748	224,880	4,287	+14.3	265,794	+18.1
Turpentine Gum, Barrels	3,182	318,200	1,761	-44.6	176,100	-44.6
Christmas Trees, Tree	230,000	4,830,000	200,000	-13.0	4,200,000	-13.0
TOTAL		737,484,002			699,359,905	-5.1

*Value delivered to the first point of processing

Table 3. 1990 Versus 1991 Major Product Price Comparison by Region¹

Product, Unit	Region	1990		1991			
		Standing	Delivered	Standing	% Change	Delivered	% Change
Pine Sawtimber, MBF,D	North	177.50	245.75	187.50	+5.6	245.50	- .1
	Central	213	261.50	215	+9	267	+ 2.1
	South	219.75	270.25	221	+5	280	+ 3.6
	Delta/River	189	²	189.66	+3	²	--
Hardwood Sawtimber, MBF,D ³	North	122	196	122.25	+ .2	217	+10.7
	Central	133.75	222	137	+2.4	205.50	-7.4
	South	136.85	230.50	126	-7.9	229	-6
	Delta/River	163.75	238	147.50	-9.9	214	+10.0
Pine Pulpwood, Cords	North	12.25	40.50	13.50	+10.2	43	+ 6.1
	Central	12.50	41	14	+12.0	43.50	+ 6.0
	South	13.50	37.75	13.75	+ 1.8	38.25	+ 1.3
	Delta/River	12.25	47.50	11.75	-4.0	47	+1.0
Hardwood Pulpwood, Cords	North	6.50	36	6	-7.6	36.75	+ 2.0
	Central	7.50	35.75	7	-6.6	35.50	- .6
	South	8.75	34.50	7.75	-11.4	33.25	- 3.6
	Delta/River	6.25	36.50	6.50	+4.0	37.50	+ 2.7

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.

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	Poles/ Piling C Cu Ft	Stumpwood Tons	Turpentine Gum Barrels	Cross-ties MBF,D	Other MBF,D
NORTH REGION											
ALCORN	1229.84	650.56	3473.72	1224.1	17893.83	39245.6	0	0	0	712.96	0
BENTON	835.05	0	7994.96	1368.29	27695.33	7180.04	16.62	0	0	0	0
CALHOUN	0	58.1	18111.66	4210.37	37002.76	31650.17	167.07	0	0	872.2	0
CARROLL	1039.34	1166.66	9266.25	4629.93	68347.03	39540.13	180.7	0	0	0	0
CHICKASAW	0	72.64	9989.58	2896.6	41374.9	27549.46	0	0	0	377.6	0
CLAY	0	10.54	5781.39	2819.52	11910.8	21575.86	0	0	0	48.42	43.94
DESOTO	57.76	0	82.16	1435.76	10315.26	5329.24	35.36	0	0	0	0
GRENADE	0	1.05	4083.82	5898.7	25177.5	54337.64	47.08	0	0	48.17	0
ITAWAMBA	0	0	10428.92	5738.04	44865.46	81259.46	0	0	0	0	21.13
LAFAYETTE	49.94	50.88	14668.77	3911.81	73259.16	36321.11	0	0	0	183.24	0
LEE	9.66	0	7112.21	541.8	10263.46	11255.55	0	0	0	0	0
MARSHALL	745.84	0	9728.73	3501.49	84789.73	44676.26	6.63	0	0	8.12	0
MONROE	0	573.34	12997.8	2627.69	70531.96	50989.24	0	0	0	1548.7	138.06
MONTGOMERY	1959.29	4215.54	4541.19	1607.2	40430.86	38107.15	14.59	0	0	1211.36	0
PANOLA	0	0	3359.37	3911.54	54333.56	15745.46	0	0	0	64.13	0
PONTATOC	247.04	11.42	8540.41	4987.7	18370.5	32049.24	273.86	0	0	22.96	0
PRENTISS	811.54	194.85	5581.51	1380	40380.9	47633.55	0	0	0	2450.57	18.16
TATE	0	0	1233.66	1966.72	12886.06	12948.08	0	0	55.66	0	0
TIPPAH	3195.9	2926.66	5442.94	2164.37	51306.3	49020.8	0	0	0	1909.92	0
TISHOMINGO	890.84	1697.37	4881.04	1079.01	104414.3	50502.88	0	0	0	488.49	0
UNION	2596.02	476.32	5770.99	4666.5	11186.76	13314.75	5.89	0	0	81.3	0
WEBSTER	0	1.46	15666.97	4280.69	71121.4	40156.04	131.5	0	36.83	0	0
YALOBUSHA	0	0	6533.55	3018.74	39339.1	23680.17	151.99	0	0	0	0
TOTAL	13668.06	12107.39	175271.6	69866.57	967196.92	774067.88	1031.29	0	529.62	10028.14	221.29

Table 4. Harvest of Forest Products Summary Data (continued)

County	Pine Lumber MBM	Hardwood Lumber MBM	Pine Sawlogs MBF,D	Hardwood Sawlogs MBF,D	Pine Pulpwood Cords	Hardwood Pulpwood Cords	Poles/ Piling C Cu Ft	Stumpwood Tons	Turpentine Gum Barrels	Crossities MBF,D	Other MBF,D
CENTRAL REGION											
ATTALA	0	14.47	20038.14	7769.6	89398.93	58636.88	64.71	0	0	60.22	0
CHOCTAW	0	133.21	20772.28	3450.92	67659.7	31797.77	0	0	0	46.78	0
CLARKE	45.08	208.52	21271.57	2772.74	175836.03	87525.77	532.33	0	0	0	0
HINDS	0	0	10112.36	6328.22	21175.4	37195.2	29.59	0	0	0	0
HOLMES	59.6	234.93	2217.47	6190.74	51521.7	82268.57	80.95	0	0	0	0
JASPER	0	106.2	25314.96	7923.44	100012.63	59876.04	183.19	0	0	0	0
KEMPER	0	1170.09	37701.21	2903.49	166083.46	89068.17	753.28	0	0	4.17	0
LAUDERDALE	621.41	1432.68	28213.71	1668.82	146995.13	158124.71	3472.41	0	0	0	0
LEAKE	0	687.01	24677.02	4337.96	46225.53	39614.84	7.23	0	0	0	0
LOWNDES	0	0	8862.89	4138.28	13592.63	48099.68	0	0	0	0	1.6
MADISON	0	0	9265.28	3642.61	41200.93	22122.26	0	0	0	0	0
NESHOBA	0	388.01	33356.15	3793.66	67225.66	70264.48	274.74	0	0	77.06	0
NEWTON	1.73	208.21	24873.16	3765.57	79338.4	74589.2	896.77	0	0	36.14	0
NOXUBEE	0	9.48	35594.83	2362.61	57776.03	30008.48	1184.98	0	0	0	0
OKTIBBEHA	0	18.32	12778.84	1904.44	29618.26	33897.64	17.15	0	0	3029.72	0
RANKIN	0	617.81	49432.47	6146.48	125785	55040.93	368.2	0	0	0	0
SCOTT	22.73	0	34496.81	7613.33	67513.3	31255.33	109.31	0	0	0	0
SIMPSON	0	0	25864.94	4256.85	76205.06	40810.75	0	0	0	0	0
SMITH	3.16	686.58	41799.72	4814.34	92921.2	68145.06	26.61	0	0	0	0
WINSTON	0	0	27612.69	7742.8	57387.5	44830.35	319.08	0	0	6.17	0
TOTAL	753.71	5915.52	494256.5	93526.9	1573472.48	1163172.11	8320.53	0	0	3260.26	1.6

Table 4. Harvest of Forest Products Summary Data (continued)

County	Pine Lumber MBM	Hardwood Lumber MBM	Pine Sawlogs MBF,D	Hardwood Sawlogs MBF,D	Pine Pulpwood Cords	Hardwood Pulpwood Cords	Poles/ Piling C Cu Ft	Stumpwood Tons	Turpentine Gum Barrels	Cross-ties MBF,D	Other MBF,D
<i>SOUTH REGION</i>											
AMITE	0	16.8	48792.58	2072	81775.46	3792.04	103.66	0	0	0	0
COPIAH	66	5.13	37086.49	5415.21	81136.4	76711.46	23.55	0	0	0	0
COVINGTON	0	216.97	12978.95	3077.13	36601.2	30802.48	55.23	0	0	0	0
FORREST	0	0	12297.63	510.42	71993.63	25609.28	4027.96	0	0	0	0
FRANKLIN	0	262.73	53828.8	6043.6	57388.13	47015.06	32.58	0	0	0	0
GEORGE	0	11.94	6868.82	331.05	25713.8	12975.68	590.77	0	0	0	0
GREENE	0	501.12	23010.68	870.77	157473.53	57251.02	1563.5	78.84	0	37.26	0
HANCOCK	0	0	8296.95	8.62	57910.83	4838.57	134.1	3745.12	0	0	0
HARRISON	0	203.14	8990.24	20.88	54232.86	4622.04	5676.85	0	0	0	0
JACKSON	0	311.45	9735.7	535.4	5951.76	10944.48	1308.14	216.92	0	0	0
JEFF DAVIS	0	31.92	9600.84	1175.22	32320.66	12565.64	34.09	0	0	0	7.2
JONES	131.9	188.49	28358.85	5393.89	89379.66	51213.73	1106.9	0	0	0	0
LAMAR	0	1563.2	10978.74	880.93	86346.46	12555.73	5327.48	0	0	0	0
LAWRENCE	0	0	14491.69	4438.81	72329.46	42950	104.61	0	0	0	0
LINCOLN	0	360.44	34188.86	3049.45	67095.1	66871.06	6.9	246.4	0	0	2.84
MARION	13.8	67.3	20087.06	4631.17	114522.73	44824.93	774	0	0	0	30.06
PEARL RIVER	0	0	15098.63	276.88	88736.4	28583.64	2145.82	0	0	0	0
PERRY	0	0	19026.28	770.65	79235.4	18217.51	12259.8	0	0	0	0
PIKE	0	4.6	17559.56	981.97	49936.6	18203.82	15.66	0	0	0	0
STONE	0	0	9479.78	205.6	80709.26	9530.4	2511.82	0	0	0	0
WALTHALL	0	179.4	7022.79	1257.97	34052	28935.95	0	0	0	0	0
WAYNE	0	102.41	23088.29	1517.26	117265.2	80477.11	495.6	0	0	0	0
TOTAL	211.7	4027.04	430868.21	43464.88	1542106.53	723491.63	38299.02	4287.28	0	37.26	40.1

Table 4. Harvest of Forest Products Summary Data (continued)

County	Pine Lumber MBM	Hardwood Lumber MBM	Pine Sawlogs MBF,D	Hardwood Sawlogs MBF,D	Pine Pulpwood Cords	Hardwood Pulpwood Cords	Poles/Piling C Cu Ft	Stumpwood d Toas	Turpentine Gum Barrels 1	Crossities MBF,D	Other MBF,D
<i>DELTA & RIVER REGION</i>											
ADAMS	172.18	1456.36	8117.15	5574.92	10266.06	44052.57	0	0	0	0	0
BOLIVAR	0	0	100.37	1646.93	0	12482.88	0	0	1231.53	0	0
CLAIBORNE	0	18.86	11000.13	13718.34	26592.43	43458.35	0	0	0	0	0
COAHOMA	0	0	73.62	2400.13	0	12820.13	0	0	0	0	0
HUMPHREYS	0	0	339.76	1202.64	30.83	11924.31	0	0	0	0	0
ISSAQUENA	0	0	68.61	9278.26	294.46	32990.44	0	0	0	0	0
JEFFERSON	0	1667.81	22268.89	3876.76	29123.16	64304.53	10.15	0	0	0	0
LEFLORE	0	0	0	287.89	721.56	1579.46	22.27	0	0	0	0
QUITMAN	0	0	0	0	705.23	4448.97	0	0	0	0	0
SHARKEY	0	0	0	2740.88	0	2199.64	0	0	0	0	0
SUNFLOWER	0	0	0	0	160.33	442.08	14.01	0	0	0	0
TALLAHATCHIE	0	0	2230.81	5429.77	9631.33	11483.2	116.03	0	0	0	0
TUNICA	0	0	11.35	5773.36	0	539.06	0	0	0	0	0
WARREN	0	0	1701.69	22741.7	7403.73	55723.55	0	0	0	0	0
WASHINGTON	0	0	37.11	6724.02	216.83	16623.2	0	0	0	0	0
WILKINSON	0	1022.52	35109.09	7758.7	60587.56	77782.17	0	0	0	0	0
YAZOO	0	430.29	1130.9	14158.5	8947.76	53972.84	0	0	0	65.02	0
TOTAL	172.18	4595.84	82189.48	103312.8	154681.27	446827.38	162.46	0	1231.53	65.02	0
GRAND TOTAL	14805.65	26645.79	1182585.79	310171.15	4237457.2	3107559	47813.3	4287.28	1761.15	13390.68	262.99