



United States
Department of
Agriculture

Forest Service

Southern Forest
Experiment Station

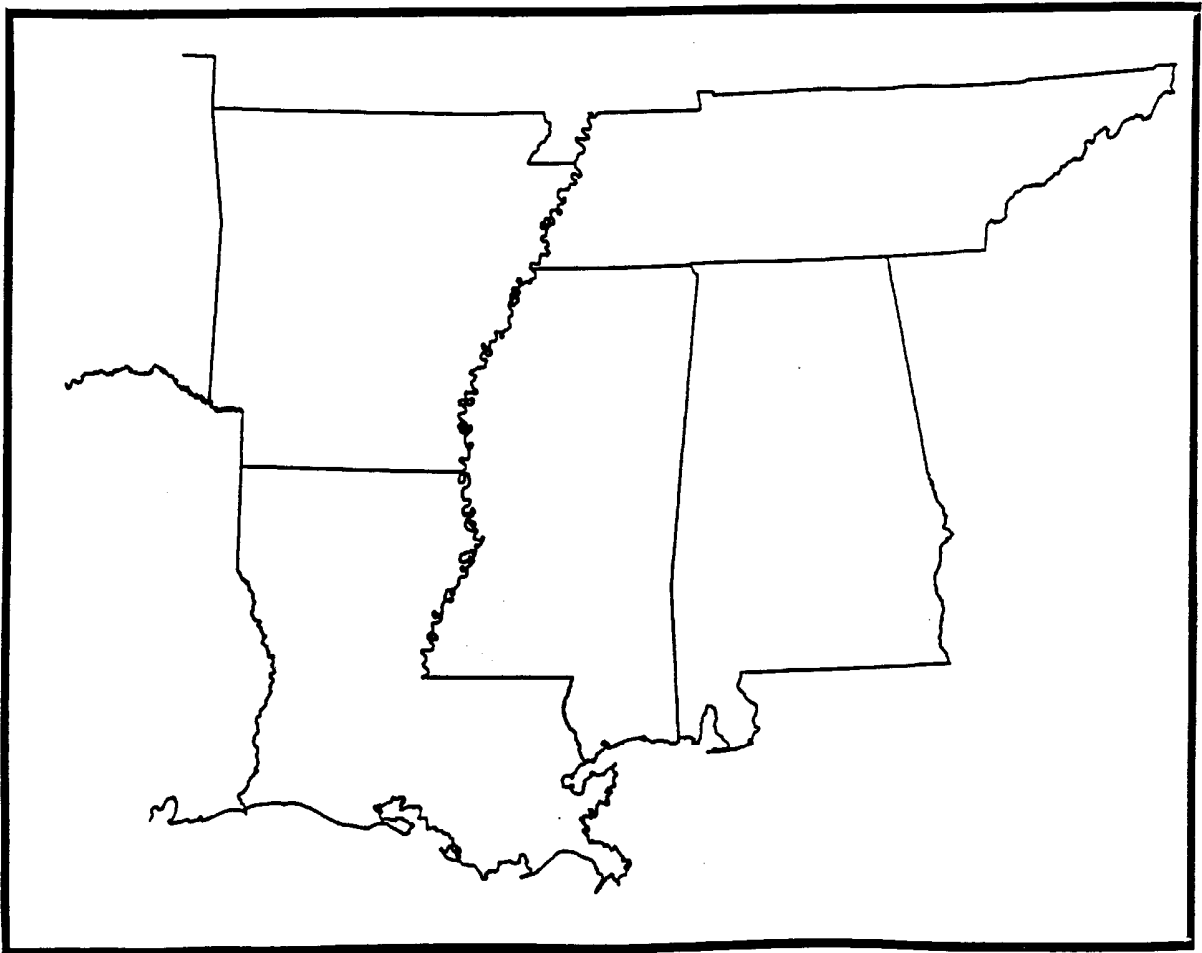
New Orleans,
Louisiana

Resource Bulletin
SO-166
February 1992



The Woody Biomass Resource of Major Tree Taxa for the Midsouth States

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SOUTHERN FOREST SURVEY REGIONS

U S DEPARTMENT OF AGRICULTURE — FOREST SERVICE
SOUTHERN FOREST EXPERIMENT STATION



Figure 1.—Southern forest survey region, Midsouth.

The Woody Biomass Resource of Major Tree Taxa for the Midsouth States

James F. Rosson, Jr.

INTRODUCTION

Data from the most recent State forest surveys were used to derive estimates of wood and bark biomass for the Midsouth region. This information is important to resource managers, legislators, policymakers, and procurement specialists in regard to the extent, location, and potential availability of the woody biomass resource. Because of the large-scale scheme of sampling, the resource tables describe biomass components at the regional level with smallest breakdowns by individual States.

The extent of wood and bark biomass for all trees on timberland is summarized in this report. The biomass resource is described by dimension (size), forest type, ownership, species, and class of tree merchantability. Shrub and herbaceous vegetation are not included in these estimates. Only estimates pertaining to timberland acreage were included. Other recent work that has dealt with biomass for the Midsouth region has described the resource only as it relates to certain stand conditions (Rosson 1989; Rosson, in press).

For clarification of these data, appendix 1 defines relevant terms. Species that occurred in the Midsouth sample are listed in appendix 2. Appendix 3 tables 1 through 3 describe the Midsouth timberland area by State. Tables 4 through 48 describe the biomass resource by species group (4–6), ownership class (7–12), forest type (13–18), tree class (19–30), diameter class (31–36), basal area class (37–42), and height class (43–48). See the list of tables for a more detailed description of table content. Appendix 4 figures 1 through 7 describe the extent of biomass resource by yield class. For example, in Alabama, 8 percent of the total live tree biomass is in the 0 to 20 tons per acre yield class, and 27 percent of all timberland is in this yield category (fig. 1).

METHODS

The Midsouth States include Alabama, Arkansas, Louisiana, Mississippi, east Oklahoma, Tennessee, and east Texas (fig. 1). The USDA Forest Service conducts periodic surveys of these States approximately every 9 years. The USDA Forest Service, Southern Forest Experiment Station, headquartered in New Orleans, Louisiana, administers these seven States; the work unit responsible for conducting the survey is the Forest Inventory and Analysis (FIA) unit, located in Starkville, Mississippi.

Data from the most recent State surveys were used for this report (table I). Field crews visited approximately 17,000 forested plots over the past 9-year period. At each forest location, trees ≥ 5.0 inches in diameter at breast height (d.b.h.) were tallied with a basal area factor 37.5 prism on 10 satellite points (Alabama and Louisiana used only 5 satellite points). Trees ≥ 1.0 inch but < 5.0 inches in d.b.h. were tallied on three 0.0036-acre plots. Twenty-three variables were measured on each tree ≥ 5.0 inches in d.b.h. The mensurational variables most important to the assessment of biomass estimates were total tree height

Table I.—*Midsouth States and year of field work*

State	Year
Alabama	1982
Arkansas	1988
Louisiana	1984
Mississippi	1987
Oklahoma (east)	1986
Tennessee	1989
Texas (east)	1986

and stem d.b.h. Diameters were measured with a metal tape; total heights were measured with a clinometer. Weights were derived for each inventory sample tree by applying regression equations and coefficients developed by the Southeastern Forest Experiment Station (Clark and others 1985, 1986a, 1986b; Clark and Saucier 1990; Clark and Schroeder 1986; Saucier and Clark 1985).

The following equations were used:
for trees ≥ 1.0 inch and < 5.0 inches in d.b.h.

$$Y = \alpha'(D^2)^b$$

for softwood trees ≥ 5.0 inches and < 9.0 inches in d.b.h.
and hardwood trees ≥ 5.0 inches and < 11.0 inches in d.b.h.

$$Y = \alpha'(D^2TH)^b$$

for softwood trees ≥ 9.0 inches in d.b.h. and hardwood trees ≥ 11.0 inches in d.b.h.

$$Y = \alpha''(D^2)^b(TH)^c$$

where:

Y = fresh or oven-dry weight (depending on coefficients used)
 D = tree d.b.h.
 TH = total height of the tree
 α', α'', b, c = regression coefficients.

Species-specific coefficients were used to estimate fresh and dry weights of trees ≥ 1.0 inch in d.b.h. When species-specific coefficients were not available for a particular species, general coefficients for softwoods, soft hardwoods (specific gravity < 0.50), and hard hardwoods (specific gravity > 0.50) were substituted. It has been demonstrated that these general coefficients derived from grouped species produce reliable estimates for regional surveys (Freedman 1984).

Wood and bark weights were computed for two components of each tree: (1) the total tree above a 1-foot stump to the uppermost twig tips and (2) the main stem above a 1-foot stump to a stem terminus of 4 inches in diameter outside the bark. A third tree component, crown weight, was derived by subtracting stem weight from total tree weight. No merchantability standard was accounted for in the main stem; all stems were estimated to a 4-inch top.

STATISTICAL RELIABILITY

Three types of error were associated with these estimates: (1) estimating error, (2) application error, and (3) sampling error. Temporal and economic con-

straints govern the standard of accuracy of the statistics because it is imperative, in large regional surveys, that the factors of time and budget be maintained at optimum levels.

Estimating error involves three basic areas: (1) biased error, caused by improperly calibrated instruments; (2) compensating error, caused by instruments of moderate precision; and (3) accidental error, caused by human error in measuring and compiling. All of these errors were held to a minimum by a system that incorporates training, check plots, and an edit (consistency) check. Field personnel undergo training for 3 to 4 months under the guidance of field-experienced personnel. Additionally, supervisors periodically check the field work. Editing checks in the office screen out logical and data entry errors on all plots. It is not possible to statistically measure estimating error, but the FIA unit holds it to a minimum by adequate training, experienced supervision, and emphasis on careful work.

The second type of error, application error, comes from applying biomass estimator equations to deterministic measurements made on inventory sample trees. There were five principal errors here: (1) some species may not have had equations developed; therefore, coefficients for other "similar" species were substituted, (2) the size range of biomass sample trees may not cover the full range of sizes encountered in a large-scale inventory, (3) the geographic range of the inventory may be outside that of the biomass sample trees, (4) trees used in developing biomass coefficients were from fully stocked stands, while inventory plots ranged from nonstocked to overstocked, (5) there was a statistical error associated with the biomass equations. None of these errors were accounted for in the tables.

The third type of error, sampling error, is the error associated with natural and expected deviation of the sample from the true population mean. Thus, the deviation was susceptible to a mathematical evaluation of the probability of error. Sampling errors for State totals in table 49 were based on one standard deviation. That is, the chances are two out of three that, if the results of a 100-percent census were known, the sample results would be within the limits indicated.

Estimates smaller than State totals will have resultant larger sampling errors. The smaller the area examined, the larger the sampling error. In addition, as area or biomass totals are stratified by forest type, species, diameter class, ownership, or other subunits, the sampling error increases and is greatest for the smallest divisions. The computed sampling error takes the area estimate error into account. The following formula was used to derive the sampling error for this report:

$$SE = \sqrt{(A)^2 (S_y^2) + (\bar{Y}_w)^2 (S_A^2)} \times 100$$

where:

- SE = sampling error,
 A = area of timberland,
 S_y^2 = variance of weighted mean biomass estimate,
 $\bar{Y}_w$ = weighted mean of biomass estimate, and
 S_A^2 = variance of timberland area estimate.

The error of the area estimate contributed very little to the sampling error at State levels and higher (≈ 0.1 percent) but could be substantial at sub-State levels of computation.

RESOURCE HIGHLIGHTS

Timberland Area

Timberland totals 99.3 million acres in the Midsouth States. Alabama has the largest timberland base, followed by Arkansas and Mississippi.

Most of the timberland is in private ownership—67.4 million acres (68 percent). Forest industry holds 21.6 million acres (22 percent), with the remaining 10.3 million acres (10 percent) in public domain. Arkansas and Mississippi have the largest national forest acreage, 2.3 and 1.2 million acres, respectively.

The oak–hickory forest type makes up 38 percent (37.9 million acres) of timberland. Tennessee leads the Midsouth with 9.5 million acres. Next in size is the loblolly–shortleaf pine type (24.3 million acres), followed by the oak–pine and bottomland hardwood types, 17.6 and 15.9 million acres, respectively.

Softwood Biomass

There are 2,556.4 million fresh tons (1,282.5 million dry tons) of softwood biomass in the Midsouth States. Largest concentrations are in Alabama (604.2 million fresh tons), followed by Louisiana (512.0 million fresh tons), and Mississippi (461.6 million fresh tons). These three States account for 62 percent of the fresh softwood biomass in the Midsouth.

Hardwood Biomass

The majority of the Midsouth's biomass is in hardwood trees—67 percent. Of the 5,299.9 million fresh tons (2,932.6 million dry tons) of hardwood biomass, four States share fairly equal proportions. Tennessee leads all Midsouth States with 1,039.6 million fresh tons, but is followed closely by Alabama, Arkansas, and Mississippi with 972.1, 939.7, and 928.4 million fresh tons, respectively.

Tree Components

There is a substantial difference between softwood and hardwood trees in proportions of stem and crown biomass. In Midsouth softwoods, 84 percent of the fresh biomass is in stems, 16 percent in crowns. For Midsouth hardwoods, 75 percent of fresh biomass is in stems, with the remaining 25 percent in crowns.

Species

Only a few of the many species that make up the woody vegetation of the Midsouth forests figure dominantly in the region's biomass. Two of the species are softwoods and seven are hardwoods.

Loblolly pine is the predominate softwood (and tree) in the Midsouth States, with 1,405.0 million fresh tons of biomass. Sweetgum is the predominant hardwood and second in rank to loblolly pine, with 592.5 million fresh tons. The remaining dominant species, ranked in descending order, are shortleaf pine, white oak, southern red oak, water oak, post oak, black oak, and cherrybark oak, with 588.1, 458.6, 360.3, 337.8, 295.7, 157.9, and 157.8 million fresh tons, respectively. Together, these nine top-ranking species account for 55 percent of the Midsouth biomass.

Diameter Distribution

A large portion of biomass (56 percent) is in the diameter range of 5.0 through 15.0 inches in d.b.h. There are 4,393.9 million fresh tons of biomass in this 10-inch diameter range. A substantial amount of biomass is in the 1.0- through 5.0-inch d.b.h. class—1,001.3 million fresh tons (13 percent of total biomass). Only a small portion of Midsouth biomass, 373.0 million fresh tons, is in trees larger than 25.0 inches in d.b.h.—less than 5 percent of all biomass.

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APPENDIX 1.—Definitions of Terms

Forest Land Classes

Forest land—Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover and not currently developed for nonforest uses. Minimum area considered for classification is 1 acre. The Forest Service inventory defines three types of forest land: timberland, reserved forest land, and unproductive (woodland), all defined below.

Timberland—Forest land that is producing, or is capable of producing, crops of industrial wood and not withdrawn from timber utilization. Timberland is synonymous with “commercial forest land” in prior reports.

Reserved forest land—Productive public forest land withdrawn from timber utilization through statutes or administrative regulations.

Woodland—Forest land incapable of yielding crops of industrial wood because of adverse site conditions.

Tree Classes

Commercial species—Tree species currently or prospectively suitable for industrial wood products. Excluded are noncommercial species. See Species List.

Noncommercial species—Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial wood products. See Species List.

Growing-stock trees—Live trees of commercial species classified as sawtimber, poletimber, saplings, or seedlings. Trees must contain at least one 12-foot log in the butt 16-foot section currently or potentially to be classed as growing stock. (A change in the growing-stock definition occurred beginning with the 1988 Arkansas survey. Therefore, Arkansas and Tennessee

data were compiled under the former growing-stock definition standards of at least one 12-foot log in the butt 16-foot section so that their data are comparable to the other five States.)

Rough trees—Live trees of commercial species that are unmerchantable for sawlogs currently or potentially because of roughness or poor form in the sawlog portion. Also includes all live trees of noncommercial species. See growing-stock trees.

Rotten trees—Live trees of commercial species that are unmerchantable for sawlogs currently or potentially because of rot deduction in the sawlog portion. See growing-stock trees.

Cull trees—Rough or rotten trees.

Hardwoods—Dicotyledonous trees, usually broad leaved and deciduous.

Softwoods—Coniferous trees, usually evergreen, having needles or scalelike leaves.

Live trees—All trees that are alive. Included are all size classes (≥ 1.0 -inch d.b.h.), all tree classes, and both commercial and noncommercial species.

Salvable dead trees—Standing or downed dead trees that were formerly growing stock and are considered merchantable. One-third of the board-foot volume must be sound in softwoods ≥ 9.0 inches in d.b.h., and one-half of board-foot volume must be sound in hardwoods ≥ 11.0 inches in d.b.h.; one-half of cubic-foot volume must be sound in softwoods < 9.0 inches in d.b.h. and in hardwoods < 11.0 inches in d.b.h. All salvable dead trees must be ≥ 5.0 inches in d.b.h. to qualify.

Nonsalvable dead trees—Standing or downed dead trees that were formerly growing stock or cull and are not considered merchantable at the time of the survey. (These trees do not meet soundness, tree class, or size requirements under the salvable dead tree definition.)

Forest Type Groups

Hemlock—Forests in which hemlock comprises a plurality of the stocking.

White pine-hemlock—Forests in which white pine and hemlock, in combination, comprise a plurality of the stocking.

Longleaf-slash pine—Forests in which longleaf or slash pines, singly or in combination, comprise a plurality of the stocking. Common associates include oaks, hickories, and gums.

Loblolly-shortleaf pine—Forests in which pines (except longleaf or slash pines) or eastern redcedar, singly or in combination, comprise a plurality of the stocking. Common associates include oaks, hickories, and gums.

Oak-pine—Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking but in which pines comprise 25 to 49 percent of the stocking. Common associates include gums, hickories, and yellow-poplar.

Oak-hickory—Forests in which upland oaks or hickories, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 49 percent, in which case the stand would be classified oak-pine. Common associates include yellow-poplar, elms, maples, and black walnut.

Oak-gum-cypress—Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or cypress, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 49 percent, in which case the stand would be classified oak-pine. Common associates include cottonwood, willow, ashes, elms, hackberries, and maples.

Elm-ash-cottonwood—Forests in which elms, ashes, or cottonwood, singly or in combination, comprise a plurality of the stocking. Common associates include willow, sycamore, beech, and maples.

Maple-beech-birch—Forests in which maples, beech, yellow birch, or sweet birch, singly or in combination, comprise a plurality of the stocking.

Nontyped—Timberland currently unoccupied with any live trees or seedlings; very recent clearcut areas.

Biomass

Dry weight—Mass of tree component when oven-dried to a constant weight at 215 °F.

Fresh weight—Mass of tree component at time of cutting.

Total tree weight—Weight of wood and bark from a 1-foot stump to twig tips. Leaves, flowers, fruits, and roots are not included.

Stem weight—Weight of wood and bark in central stem from a 1-foot stump to a 4-inch top. No merchantability standards are used to define the terminus of

the stem; all trees ≥ 5.0 inches in d.b.h. are configured to a 4-inch top; trees < 5.0 inches in d.b.h. are configured from a 1-foot stump to the central stem twig tip.

Crown weight—Weight of wood and bark in upper branches. Crown weight equals total tree weight minus stem weight.

Ownership Classes

National Forest land—Federal lands that have been legally designated as National Forests or purchase units and other lands under the administration of the USDA Forest Service, including experimental areas.

Other Federal land—Federal lands other than national forests.

State, county, and municipal lands—Lands owned by States, counties, and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Forest industry land—Lands owned by companies or individuals operating wood-using plants (either primary or secondary).

Farmer-owned land—Lands operated as a unit of 10 acres or more from which the sale of agricultural products totals \$1,000 or more annually.

Nonindustrial private land (individual)—Lands privately owned by individuals other than forest industries, farmers, or miscellaneous private corporations.

Nonindustrial private land (corporate)—Lands privately owned by corporations other than forest industries and incorporated farms.

Miscellaneous Definitions

Basal area—The area in square feet of the cross section at breast height of a single tree (or summation of all the trees) in a stand, usually expressed in square feet per acre.

Diameter at breast height (d.b.h.)—Tree diameter in inches, outside bark, usually measured at 4½ feet above ground.

Natural stands—Stands with no evidence of artificial regeneration, including stands established by seed tree regeneration methods.

Plantations—Stands regenerated from planting or seeding.

Pine—Tree species of the genus *Pinus*.

Planted pine—Pine trees on timberland that show evidence of planting or artificial seeding.

Natural pine—Pine trees on timberland that show no evidence of artificial regeneration.

APPENDIX 2.—Species List

Species list of trees occurring in a sample of Midsouth States*

Genus	Specific epithet	Common name
Gymnosperms		
<i>Chamaecyparis</i>	<i>thyoides</i>	Atlantic white-cedar
<i>Juniperus</i>	<i>silicicola</i>	Southern redcedar
<i>J.</i>	<i>virginiana</i>	Eastern redcedar
<i>Pinus</i>	<i>echinata</i>	Shortleaf pine
<i>P.</i>	<i>elliottii</i>	Slash pine
<i>P.</i>	<i>glabra</i>	Spruce pine
<i>P.</i>	<i>palustris</i>	Longleaf pine
<i>P.</i>	<i>pungens</i>	Table Mountain pine
<i>P.</i>	<i>rigida</i>	Pitch pine
<i>P.</i>	<i>serotina</i>	Pond pine
<i>P.</i>	<i>strobus</i>	Eastern white pine
<i>P.</i>	<i>taeda</i>	Loblolly pine
<i>P.</i>	<i>virginiana</i>	Virginia pine
<i>Taxodium</i>	<i>distichum</i>	Baldcypress
<i>Tsuga</i>	<i>canadensis</i>	Eastern hemlock
<i>T.</i>	<i>caroliniana</i>	Carolina hemlock
Angiosperms		
<i>Acer</i>	<i>barbatum</i>	Florida maple
<i>A.</i>	<i>negundo</i>	Boxelder
<i>A.</i>	<i>nigrum</i>	Black maple
<i>A.</i>	<i>rubrum</i>	Red maple
<i>A.</i>	<i>saccharinum</i>	Silver maple
<i>A.</i>	<i>saccharum</i>	Sugar maple
<i>Aesculus</i>	<i>glabra</i>	Ohio buckeye
<i>A.</i>	<i>octandra</i>	Yellow buckeye
<i>A.</i>	spp. [†]	Other buckeyes
<i>Ailanthus</i>	<i>altissima</i> [†]	Ailanthus, tree-of-heaven
<i>Amelanchier</i>	spp. [†]	Serviceberry
<i>Betula</i>	<i>alleghaniensis</i>	Yellow birch
<i>B.</i>	<i>lenta</i>	Sweet birch
<i>B.</i>	<i>nigra</i>	River birch
<i>Bumelia</i>	spp. [†]	Bumelia
<i>Carpinus</i>	<i>caroliniana</i> [†]	Bluebeech, American hornbeam
<i>Carya</i>	spp.	Hickories
<i>C.</i>	<i>aquatica</i>	Water hickory
<i>C.</i>	<i>illinoensis</i>	Pecan
<i>Castanea</i>	spp. [†]	Chinkapin
<i>C.</i>	<i>dentata</i>	American chestnut
<i>C.</i>	<i>pumila</i>	Allegheny chinkapin
<i>Catalpa</i>	spp.	Catalpa
<i>Celtis</i>	<i>laevigata</i>	Sugarberry
<i>C.</i>	<i>occidentalis</i>	Hackberry
<i>Cercis</i>	<i>canadensis</i> [†]	Eastern redbud
<i>Cornus</i>	<i>florida</i>	Flowering dogwood
<i>Cotinus</i>	<i>obovatus</i> [†]	American smoketree
<i>Crataegus</i>	spp. [†]	Hawthorn

Species list* of trees occurring in a sample of Midsouth States—Continued

Genus	Specific epithet	Common name
<i>Diospyros</i>	<i>virginiana</i>	Common persimmon
<i>Fagus</i>	<i>grandifolia</i>	American beech
<i>Fraxinus</i>	<i>americana</i>	White ash
<i>F.</i>	<i>pennsylvanica</i>	Green ash
<i>F.</i>	<i>profunda</i>	Pumpkin ash
<i>F.</i>	<i>quadrangulata</i>	Blue ash
<i>Gleditsia</i>	<i>aquatica</i>	Waterlocust
<i>G.</i>	<i>triacanthos</i>	Honeylocust
<i>Gymnocladus</i>	<i>dioicus</i>	Kentucky coffeetree
<i>Halesia</i>	spp. [†]	Silverbell
<i>Ilex</i>	<i>opaca</i>	American holly
<i>Juglans</i>	<i>cinerea</i>	Butternut
<i>J.</i>	<i>nigra</i>	Black walnut
<i>Liquidambar</i>	<i>styraciflua</i>	Sweetgum
<i>Liriodendron</i>	<i>tulipifera</i>	Yellow-poplar
<i>Maclura</i>	<i>pomifera</i>	Osage-orange
<i>Magnolia</i>	<i>acuminata</i>	Cucumbertree
<i>M.</i>	<i>grandiflora</i>	Southern magnolia
<i>M.</i>	<i>macrophylla</i> [†]	Bigleaf magnolia
<i>M.</i>	<i>virginiana</i>	Sweetbay
<i>Malus</i>	spp. [†]	Apples
<i>Melia</i>	<i>azedarach</i> [†]	Chinaberry
<i>Morus</i>	<i>alba</i> [†]	White mulberry
<i>M.</i>	<i>rubra</i>	Red mulberry
<i>Nyssa</i>	<i>aquatica</i>	Water tupelo
<i>N.</i>	<i>sylvatica</i>	Blackgum, black tupelo
<i>N.</i>	<i>sylvatica</i> var. <i>biflora</i>	Swamp tupelo
<i>Ostrya</i>	<i>virginiana</i> [†]	Eastern hophornbeam, ironwood
<i>Oxydendrum</i>	<i>arboreum</i> [†]	Sourwood
<i>Paulownia</i>	<i>tomentosa</i> [†]	Royal paulownia
<i>Persea</i>	<i>borbonia</i>	Redbay
<i>Planera</i>	<i>aquatica</i> [†]	Water-elm
<i>Platanus</i>	<i>occidentalis</i>	American sycamore
<i>Polulus</i>	<i>deltoides</i>	Eastern cottonwood
<i>Prunus</i>	<i>serotina</i>	Black cherry
<i>P.</i>	spp. [†]	Plums, cherries (except black cherry)
<i>Quercus</i>	<i>alba</i>	White oak
<i>Q.</i>	<i>bicolor</i>	Swamp white oak
<i>Q.</i>	<i>coccinea</i>	Scarlet oak
<i>Q.</i>	<i>durandii</i>	Durand oak
<i>Q.</i>	<i>falcata</i>	Southern red oak
<i>Q.</i>	<i>falcata</i> var. <i>pagodifolia</i>	Cherrybark oak
<i>Q.</i>	<i>imbricaria</i>	Shingle oak
<i>Q.</i>	<i>incana</i> [†]	Bluejack oak
<i>Q.</i>	<i>laevis</i> [†]	Turkey oak
<i>Q.</i>	<i>laurifolia</i>	Laurel oak
<i>Q.</i>	<i>lyrata</i>	Overcup oak
<i>Q.</i>	<i>macrocarpa</i>	Bur oak

Species list* of trees occurring in a sample of Midsouth States—Continued

Genus	Specific epithet	Common name
<i>Q.</i>	<i>marilandica</i> [†]	Blackjack oak
<i>Q.</i>	<i>michauxii</i>	Swamp chestnut oak
<i>Q.</i>	<i>muehlenbergii</i>	Chinkapin oak
<i>Q.</i>	<i>nigra</i>	Water oak
<i>Q.</i>	<i>nuttallii</i>	Nuttall oak
<i>Q.</i>	<i>palustris</i>	Pin oak
<i>Q.</i>	<i>phellos</i>	Willow oak
<i>Q.</i>	<i>prinus</i>	Chestnut oak
<i>Q.</i>	<i>rubra</i>	Northern red oak
<i>Q.</i>	<i>shumardii</i>	Shumard oak
<i>Q.</i>	<i>stellata</i>	Post oak
<i>Q.</i>	<i>stellata</i> var. <i>paludosa</i>	Delta post oak
<i>Q.</i>	<i>velutina</i>	Black oak
<i>Q.</i>	<i>virginiana</i> [†]	Live oak
<i>Robinia</i>	<i>pseudoacacia</i>	Black locust
<i>Salix</i>	<i>nigra</i>	Black willow
<i>Sassafras</i>	<i>albidum</i>	Sassafras
<i>Tilia</i>	<i>americana</i>	American basswood
<i>T.</i>	<i>heterophylla</i>	White basswood
<i>Ulmus</i>	<i>alata</i>	Winged elm
<i>U.</i>	<i>americana</i>	American elm
<i>U.</i>	<i>crassifolia</i>	Cedar elm
<i>U.</i>	<i>pumila</i>	Siberian elm
<i>U.</i>	<i>rubra</i>	Slippery elm
<i>U.</i>	<i>serotina</i>	September elm
<i>U.</i>	<i>thomasii</i>	Rock elm
<i>Vaccinium</i>	<i>arboreum</i> [†]	Tree sparkleberry

*Nomenclature after: E. L. Little, Jr. 1979. Checklist of United States trees (native and naturalized). Agric. Handb. 541. Washington, DC: U.S. Department of Agriculture. 375 p.

[†]Noncommercial species.

APPENDIX 3.—Tables

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Table 1.—Area of timberland by State and ownership class, Midsouth States*

Ownership class					
State	All owners	National Forest	Other public	Forest industry	Nonindustrial private
----- <i>Thousand acres</i> -----					
Alabama	21,652.4	688.6	471.7	4,464.1	16,028.0
Arkansas	17,246.6	2,296.8	778.7	4,364.2	9,806.9
Louisiana	13,872.6	620.9	709.8	3,603.1	8,938.8
Mississippi	16,981.6	1,212.1	707.1	3,203.0	11,859.2
Oklahoma (east)	4,747.5	242.6	342.7	1,046.0	3,116.2
Tennessee	13,265.2	556.0	952.9	1,121.5	10,634.8
Texas (east)	11,565.3	610.3	152.7	3,795.5	7,006.9
All States	99,331.2	6,227.3	4,115.6	21,597.5	67,390.8

*Rows and columns may not total due to rounding.

Table 2.—Area of timberland by State and forest type group, Midsouth States*

Forest type group								
State	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Bottomland hardwoods [†]	Miscellaneous [‡]	Nontyped [§]
-----Thousand acres-----								
Alabama	21,652.4	1,421.2	5,825.5	4,425.6	7,442.9	2,501.4	0.0	35.8
Arkansas	17,246.6	0.0	4,185.4	3,049.9	7,264.6	2,741.4	0.0	5.3
Louisiana	13,872.6	933.2	4,062.4	1,896.5	2,158.3	4,789.9	0.0	32.3
Mississippi	16,981.6	841.5	3,921.8	3,477.6	5,531.4	3,201.2	0.0	8.1
Oklahoma (east)	4,747.5	0.0	955.8	745.0	2,609.6	437.1	0.0	0.0
Tennessee	13,265.2	0.0	1,333.8	1,591.5	9,476.5	682.3	175.4	5.7
Texas (east)	11,565.3	279.9	3,975.5	2,371.0	3,367.5	1,571.4	0.0	0.0
All States	99,331.2	3,475.7	24,260.1	17,557.2	37,850.8	15,924.8	175.4	87.3

*Rows and columns may not total due to rounding.

[†]Includes elm-ash-cottonwood and oak-gum-cypress types.[‡]Includes maple-beech-birch, hemlock, and white pine-hemlock types.[§]Nonstocked timberland.

Table 3.—Area of timberland by State and basal area class, Midsouth States*

		Basal area class [†] (square feet per acre)				
State	All classes	0-29	30-59	60-89	90-119	≥ 120
<i>Thousand acres</i>						
Alabama	21,652.4	3,254.8	4,220.5	5,880.1	4,835.0	3,462.0
Arkansas	17,246.6	1,994.5	2,933.8	5,158.5	4,755.8	2,404.0
Louisiana	13,872.6	1,663.0	2,047.4	3,283.0	3,119.9	3,759.3
Mississippi	16,981.6	2,675.5	2,768.4	4,456.6	4,334.0	2,747.0
Oklahoma (east)	4,747.5	731.2	1,228.4	1,612.3	877.6	298.0
Tennessee	13,265.2	770.7	1,811.8	4,365.1	4,506.4	1,811.2
Texas (east)	11,565.3	1,809.6	2,019.5	3,302.5	2,848.9	1,584.8
All States	99,331.2	12,899.3	17,029.8	28,058.0	25,277.7	16,066.5

*Numbers in columns and rows may not total due to rounding.

[†]Includes all live trees ≥1.0 inch in d.b.h.

Table 4.—Wood and bark weight of live trees on timberland by State and species group, Midsouth States*

State	Fresh weight						Dry weight					
	Softwood				Hardwood		Softwood				Hardwood	
	All species	Pine			Soft [†]	Hard [‡]	All species	Pine			Soft [†]	Hard [‡]
		Planted	Natural	Other				Planted	Natural	Other		
----- <i>Million tons</i> -----												
Alabama	1,576.3	87.1	505.6	11.5	360.0	612.1	838.1	44.4	254.1	6.0	182.7	350.8
Arkansas	1,322.8	51.7	303.8	27.7	238.7	701.0	718.0	25.9	149.3	14.9	122.5	405.4
Louisiana	1,275.5	86.5	356.1	69.4	344.5	419.0	676.2	44.4	177.5	39.1	176.8	238.4
Mississippi	1,390.0	80.0	360.8	20.8	348.8	579.7	734.3	40.6	180.4	11.5	177.8	324.0
Oklahoma (east)	231.8	5.7	49.3	1.2	27.2	148.4	130.7	2.9	24.3	0.6	14.5	88.5
Tennessee	1,191.8	22.9	99.3	30.0	272.5	767.1	666.6	11.3	48.1	15.0	141.4	450.8
Texas (east)	868.0	44.5	330.6	12.0	155.6	325.3	451.4	22.7	163.0	6.7	78.8	180.2
All States	7,856.3	378.2	2,005.6	172.6	1,747.2	3,552.7	4,215.1	192.1	996.6	93.8	894.4	2,038.2

*Numbers in columns and rows may not total due to rounding.

[†]Hardwood species with an average specific gravity of 0.50 or less.[‡]Hardwood species with an average specific gravity greater than 0.50.

Table 5.—Wood and bark weight of stems in live trees on timberland by State and species group, Midsouth States*

State	Fresh weight						Dry weight					
	Softwood				Hardwood		Softwood				Hardwood	
	Pine						Pine					
	All species	Planted	Natural	Other	Soft [†]	Hard [‡]	All species	Planted	Natural	Other	Soft [†]	Hard [‡]
----- <i>Million tons</i> -----												
Alabama	1,246.1	71.1	423.1	9.9	285.0	457.1	671.3	37.1	215.5	5.2	147.4	266.0
Arkansas	1,025.9	42.9	258.6	22.9	186.6	515.0	559.9	21.9	128.4	12.7	97.4	299.4
Louisiana	1,002.6	71.6	300.1	60.2	270.6	299.9	531.9	37.4	150.9	34.2	140.2	169.3
Mississippi	1,083.3	66.0	304.8	16.7	274.8	421.1	575.4	34.1	153.8	9.6	142.1	235.7
Oklahoma (east)	179.1	4.6	42.2	1.0	21.3	110.0	102.7	2.5	21.2	0.5	11.6	67.0
Tennessee	909.3	18.5	81.9	24.6	214.2	570.1	512.6	9.4	41.0	12.5	113.4	336.3
Texas (east)	685.4	36.3	280.6	9.7	123.0	235.8	358.2	19.0	139.4	5.7	63.2	130.9
All States	6,131.6	311.1	1,691.2	144.9	1,375.6	2,608.8	3,311.9	161.4	850.3	80.5	715.4	1,504.4

*Numbers in columns and rows may not total due to rounding.

[†]Hardwood species with an average specific gravity of 0.50 or less.[‡]Hardwood species with an average specific gravity greater than 0.50.

Table 6.— Wood and bark weight of crowns in live trees on timberland by State and species group, Midsouth States*

State	Fresh weight						Dry weight						
	All species	Softwood			Hardwood		All Species	Softwood			Hardwood		
		Planted	Pine		Other	Soft [†]		Hard [‡]	Planted	Pine		Soft [†]	Hard [‡]
			Natural							Natural			
----- <i>Million tons</i> -----													
Alabama	330.2	15.9	82.6	1.7	75.0	155.0	166.8	7.3	38.5	0.8	35.3	84.8	
Arkansas	296.9	8.8	45.2	4.8	52.1	186.0	158.1	3.9	20.9	2.2	25.2	106.0	
Louisiana	272.9	14.8	55.9	9.2	73.8	119.1	144.2	7.0	26.6	4.8	36.6	69.2	
Mississippi	306.7	14.0	56.0	4.1	73.9	158.6	158.9	6.5	26.6	1.9	35.6	88.4	
Oklahoma (east)	52.8	1.0	7.1	0.2	6.0	38.5	28.0	0.4	3.1	0.1	2.9	21.5	
Tennessee	282.5	4.3	17.4	5.4	58.2	197.1	154.0	1.9	7.1	2.5	28.0	114.6	
Texas (east)	182.6	8.2	50.0	2.3	32.6	89.5	93.2	3.8	23.5	1.0	15.5	49.4	
All States	1,724.6	67.1	314.4	27.7	371.6	943.9	903.2	30.8	146.3	13.3	179.0	533.8	

*Numbers in columns and rows may not total due to rounding.

[†]Hardwood species with an average specific gravity of 0.50 or less.[‡]Hardwood species with an average specific gravity greater than 0.50.

Table 7.— Wood and bark fresh weight of live trees on timberland by State and ownership class, Midsouth States*

State	Ownership class									
	All classes		National Forest		Other public		Forest industry		Nonindustrial private	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
	<i>Million tons</i>									
Alabama	604.2	972.1	31.1	29.7	11.4	30.0	147.7	163.7	413.9	748.7
Arkansas	383.2	939.7	69.6	127.7	10.0	69.7	140.3	168.4	163.2	573.9
Louisiana	512.0	763.5	35.8	26.2	12.9	56.0	143.7	145.7	319.6	535.7
Mississippi	461.6	928.4	60.8	62.6	21.1	51.8	89.9	119.9	289.8	694.1
Oklahoma (east)	56.2	175.7	8.5	10.2	2.8	16.2	20.6	20.9	24.2	128.4
Tennessee	152.2	1,039.6	14.8	47.9	14.1	82.7	17.0	70.9	106.3	838.1
Texas (east)	387.1	480.9	54.1	19.7	6.2	8.9	115.2	117.2	211.7	335.0
All States	2,556.4	5,299.9	274.7	323.9	78.5	315.5	674.3	806.6	1,528.8	3,853.9

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.[‡]Hardwood species.

Table 8.— Wood and bark fresh weight of stems in live trees on timberland by State and ownership class, Midsouth States*

State	Ownership class									
	All classes		National Forest		Other public		Forest industry		Nonindustrial private	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
	<i>Million tons</i>									
Alabama	504.0	742.1	25.8	22.4	9.6	22.6	122.5	125.4	346.1	571.6
Arkansas	324.3	701.6	59.9	95.1	8.5	51.1	117.7	126.1	138.2	429.4
Louisiana	432.0	570.6	30.1	19.3	11.0	41.2	119.6	108.3	271.2	401.9
Mississippi	387.4	695.9	51.1	46.3	17.9	38.6	74.9	90.3	243.6	520.7
Oklahoma (east)	47.8	131.2	7.3	7.4	2.4	12.1	17.4	15.8	20.8	95.9
Tennessee	125.0	784.3	11.8	36.5	11.7	62.0	13.7	53.6	87.8	632.2
Texas (east)	326.6	358.8	45.9	14.6	5.2	6.7	96.3	86.5	179.2	251.0
All States	2,147.2	3,984.4	231.9	241.5	66.5	234.2	562.0	606.0	1,286.8	2,902.7

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.[‡]Hardwood species.

Table 9.— *Wood and bark fresh weight of crowns in live trees on timberland by State and ownership class, Midsouth States**

State	Ownership class									
	All classes		National Forest		Other public		Forest industry		Nonindustrial private	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
<i>Million tons</i>										
Alabama	100.2	230.0	5.3	7.2	1.8	7.4	25.3	38.3	67.8	177.0
Arkansas	58.8	238.1	9.7	32.6	1.4	18.6	22.6	42.3	25.1	144.5
Louisiana	80.0	192.9	5.7	6.9	1.9	14.8	24.0	37.4	48.4	133.8
Mississippi	74.1	232.6	9.7	16.3	3.3	13.2	15.0	29.6	46.2	173.5
Oklahoma (east)	8.3	44.5	1.3	2.8	0.4	4.1	3.2	5.1	3.5	32.5
Tennessee	27.2	255.3	3.0	11.4	2.3	20.8	3.3	17.3	18.5	205.9
Texas (east)	60.6	122.1	8.2	5.2	0.9	2.3	18.9	30.6	32.6	84.0
All States	409.2	1,315.5	42.8	82.4	12.1	81.2	112.3	200.7	242.0	951.2

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.

[‡]Hardwood species.

Table 10.— *Wood and bark dry weight of live trees on timberland by State and ownership class, Midsouth States**

State	Ownership class									
	All classes		National Forest		Other public		Forest industry		Nonindustrial private	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
<i>Million tons</i>										
Alabama	304.5	533.6	15.8	16.9	5.8	16.6	74.8	89.4	208.0	410.7
Arkansas	190.1	527.9	33.9	73.9	5.0	39.4	69.9	92.8	81.2	321.9
Louisiana	260.9	415.2	18.2	13.9	6.6	31.2	72.6	79.0	163.6	291.2
Mississippi	232.5	501.8	30.8	34.1	10.7	27.7	45.5	65.1	145.5	374.9
Oklahoma (east)	27.8	102.9	4.2	5.9	1.4	9.4	10.2	12.2	12.0	75.5
Tennessee	74.4	592.2	7.0	27.2	7.0	47.0	8.5	40.5	51.9	477.4
Texas (east)	192.4	259.0	26.5	10.4	3.0	4.9	57.8	63.0	105.0	180.7
All States	1,282.5	2,932.6	136.5	182.3	39.5	176.1	339.3	441.9	767.2	2,132.3

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.

[‡]Hardwood species.

Table 11.— *Wood and bark dry weight of stems in live trees on timberland by State and ownership class, Midsouth States**

State	Ownership class									
	All classes		National Forest		Other public		Forest industry		Nonindustrial private	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
<i>Million tons</i>										
Alabama	257.9	413.4	13.3	13.1	4.9	12.6	63.0	69.7	176.5	318.1
Arkansas	163.1	396.8	29.6	55.7	4.4	28.6	59.5	70.0	69.6	242.5
Louisiana	222.5	309.5	15.4	10.3	5.6	22.7	61.2	58.8	140.2	217.7
Mississippi	197.5	377.8	26.1	25.5	9.1	20.6	38.5	49.6	123.9	282.2
Oklahoma (east)	24.1	78.6	3.6	4.4	1.2	7.1	8.8	9.5	10.5	57.5
Tennessee	63.0	449.6	5.9	20.9	5.9	35.4	7.0	31.0	44.1	362.3
Texas (east)	164.1	194.1	22.6	7.8	2.6	3.7	49.0	46.7	89.8	136.0
All States	1,092.1	2,219.8	116.7	137.6	33.8	130.6	287.1	335.4	654.6	1,616.2

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.

[‡]Hardwood species.

Table 12.— *Wood and bark dry weight of crowns in live trees on timberland by State and ownership class, Midsouth States**

State	Ownership class									
	All classes		National Forest		Other public		Forest industry		Nonindustrial private	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
<i>-----Million tons-----</i>										
Alabama	46.6	120.1	2.5	3.8	0.9	4.0	11.8	19.7	31.5	92.6
Arkansas	27.0	131.1	4.3	18.2	0.7	10.7	10.4	22.8	11.6	79.4
Louisiana	38.5	105.8	2.8	3.6	0.9	8.5	11.3	20.2	23.5	73.5
Mississippi	34.9	124.0	4.7	8.7	1.6	7.1	7.0	15.5	21.7	92.7
Oklahoma (east)	3.6	24.4	0.6	1.5	0.2	2.2	1.4	2.7	1.5	18.0
Tennessee	11.4	142.5	1.1	6.3	1.1	11.7	1.5	9.4	7.8	115.2
Texas (east)	28.3	64.9	3.9	2.6	0.4	1.2	8.8	16.3	15.2	44.8
All States	190.4	712.8	19.8	44.7	5.7	45.6	52.2	106.5	112.7	516.1

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.

[‡]Hardwood species.

Table 13.— *Wood and bark fresh weight of live trees on timberland by State and forest type group, Midsouth States**

State	Forest type group											
	All types		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine		Oak-hickory [†]		Bottomland hardwoods [‡]	
	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]
<i>-----Million tons-----</i>												
Alabama	604.2	972.1	77.0	13.1	337.0	103.3	128.8	174.2	46.7	448.0	14.7	233.5
Arkansas	383.2	939.7	0.0	0.0	248.6	75.3	89.5	124.9	30.4	465.2	14.7	274.3
Louisiana	512.0	763.5	55.4	3.4	296.7	83.3	69.2	87.6	22.0	130.2	68.7	459.0
Mississippi	461.6	928.4	42.5	7.2	249.5	87.2	108.4	151.5	41.2	364.0	20.0	318.5
Oklahoma (east)	56.2	175.7	0.0	0.0	38.9	14.7	12.7	18.9	4.5	113.8	0.1	28.3
Tennessee	152.2	1,039.6	0.0	0.0	76.4	33.5	44.0	79.3	29.0	854.1	2.8	72.7
Texas (east)	387.1	480.9	16.3	2.1	266.6	78.2	71.2	100.0	23.1	171.6	9.9	129.0
All States	2,556.4	5,299.9	191.3	25.7	1,513.7	475.6	523.7	736.4	196.9	2,546.8	130.8	1,515.3

*Numbers in columns and rows may not total due to rounding.

[†]Includes maple-beech-birch, hemlock, and pine-hemlock types.

[‡]Includes elm-ash-cottonwood and oak-gum-cypress types.

[§]Softwood species.

[¶]Hardwood species.

Table 14.— *Wood and bark fresh weight of stems in live trees on timberland by State and forest type group, Midsouth States**

State	Forest type group											
	All types		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine		Oak-hickory [†]		Bottomland hardwoods [‡]	
	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]
	----- <i>Million tons</i> -----											
Alabama	504.0	742.1	63.4	10.0	280.9	79.8	107.9	133.4	39.3	340.6	12.6	178.3
Arkansas	324.3	701.6	0.0	0.0	210.4	57.3	76.1	93.7	25.6	347.3	12.3	203.2
Louisiana	432.0	570.6	45.8	2.6	249.7	63.5	58.2	65.4	18.2	96.2	60.1	342.8
Mississippi	387.4	695.9	35.0	5.5	210.3	66.2	91.4	113.9	34.6	271.7	16.2	238.6
Oklahoma (east)	47.8	131.2	0.0	0.0	33.2	11.0	10.8	14.1	3.8	85.0	0.1	21.1
Tennessee	125.0	784.3	0.0	0.0	62.7	25.6	36.2	59.9	23.7	644.3	2.4	54.5
Texas (east)	326.6	358.8	13.5	1.6	225.1	59.2	60.4	74.9	19.3	127.8	8.3	95.3
All States	2,147.2	3,984.4	157.7	19.7	1,272.2	362.6	441.1	555.3	164.4	1,912.8	111.9	1,134.0

*Numbers in columns and rows may not total due to rounding.

[†]Includes maple-beech-birch, hemlock, and white pine-hemlock types.[‡]Includes elm-ash-cottonwood and oak-gum-cypress types.[§]Softwood species.[¶]Hardwood species.Table 15.— *Wood and bark fresh weight of crowns in live trees on timberland by State and forest type group, Midsouth States**

State	Forest type group											
	All types		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine		Oak-hickory [†]		Bottomland hardwoods [‡]	
	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]
	----- <i>Million tons</i> -----											
Alabama	100.2	230.0	13.6	3.1	56.1	23.4	20.9	40.8	7.5	107.5	2.1	55.2
Arkansas	58.8	238.1	0.0	0.0	38.2	18.0	13.3	31.1	4.8	117.9	2.5	71.1
Louisiana	80.0	192.9	9.6	0.8	47.0	19.8	11.1	22.2	3.8	34.0	8.6	116.1
Mississippi	74.1	232.6	7.5	1.7	39.3	21.0	17.0	37.6	6.6	92.3	3.7	79.9
Oklahoma (east)	8.3	44.5	0.0	0.0	5.8	3.8	1.9	4.8	0.7	28.7	0.0	7.1
Tennessee	27.2	255.3	0.0	0.0	13.7	7.9	7.7	19.4	5.4	209.8	0.4	18.2
Texas (east)	60.6	122.1	2.8	0.5	41.5	19.1	10.7	25.1	3.8	43.8	1.7	33.7
All States	409.2	1,315.5	33.6	6.0	241.5	113.0	82.7	181.1	32.5	634.0	18.9	381.3

*Numbers in columns and rows may not total due to rounding.

[†]Includes maple-beech-birch, hemlock, and white pine-hemlock types.[‡]Includes elm-ash-cottonwood and oak-gum-cypress types.[§]Softwood species.[¶]Hardwood species.

Table 16.— Wood and bark dry weight of live trees on timberland by State and forest type group, Midsouth States*

State	Forest type group											
	All types		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine		Oak-hickory [†]		Bottomland hardwoods [‡]	
	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]
<i>-----Million tons-----</i>												
Alabama	304.5	533.6	41.1	6.9	167.4	55.4	64.8	94.9	23.4	249.5	7.7	127.0
Arkansas	190.1	527.9	0.0	0.0	122.7	41.3	44.1	69.0	15.2	265.0	8.1	152.6
Louisiana	260.9	415.2	29.6	1.8	147.4	43.4	34.5	46.6	11.2	70.0	38.2	253.4
Mississippi	232.5	501.8	22.8	3.8	123.7	46.0	54.3	80.5	20.8	196.7	10.9	174.7
Oklahoma (east)	27.8	102.9	0.0	0.0	19.3	8.7	6.3	11.1	2.2	66.9	0.0	16.3
Tennessee	74.4	592.2	0.0	0.0	37.4	18.6	21.4	44.7	14.1	488.8	1.6	40.1
Texas (east)	192.4	259.0	8.7	1.1	131.6	40.9	35.2	53.0	11.7	92.8	5.3	71.1
All States	1,282.5	2,932.6	102.2	13.5	749.5	254.2	260.6	399.9	98.4	1,429.7	71.8	835.2

*Numbers in columns and rows may not total due to rounding.

[†]Includes maple-beech-birch, hemlock, and white pine-hemlock types.[‡]Includes elm-ash-cottonwood and oak-gum-cypress types.[§]Softwood species.[¶]Hardwood species.

Table 17.— Wood and bark dry weight of stems in live trees on timberland by State and forest type group, Midsouth States*

State	Forest type group											
	All types		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine		Oak-hickory [†]		Bottomland hardwoods [‡]	
	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]
<i>-----Million tons-----</i>												
Alabama	257.9	413.4	34.4	5.6	141.8	44.3	55.1	74.3	19.9	192.4	6.7	96.9
Arkansas	163.1	396.8	0.0	0.0	105.2	32.4	38.0	52.7	13.0	199.8	6.8	111.9
Louisiana	222.5	309.5	24.9	1.4	125.3	33.8	29.2	35.1	9.4	51.9	33.6	187.3
Mississippi	197.5	377.8	19.0	3.1	105.4	35.9	46.3	61.4	17.7	147.4	9.0	130.0
Oklahoma (east)	24.1	78.6	0.0	0.0	16.8	6.8	5.4	8.6	1.9	51.1	0.0	12.1
Tennessee	63.0	449.6	0.0	0.0	31.6	14.6	18.3	34.4	11.7	370.9	1.3	29.7
Texas (east)	164.1	194.1	7.3	0.8	112.2	31.6	30.2	39.9	9.9	69.5	4.5	52.2
All States	1,092.1	2,219.8	85.6	10.9	638.4	199.4	222.5	306.4	83.6	1,083.1	62.0	619.9

*Numbers in columns and rows may not total due to rounding.

[†]Includes maple-beech-birch, hemlock, and white pine-hemlock types.[‡]Includes elm-ash-cottonwood and oak-gum-cypress types.[§]Softwood species.[¶]Hardwood species.

Table 18.— *Wood and bark dry weight of crowns in live trees on timberland by State and forest type group, Midsouth States**

State	Forest type group											
	All types		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine		Oak-hickory [†]		Bottomland hardwoods [‡]	
	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]	Soft [§]	Hard [¶]
<i>-----Million tons-----</i>												
Alabama	46.6	120.1	6.7	1.3	25.6	11.0	9.8	20.6	3.5	57.1	1.0	30.1
Arkansas	27.0	131.1	0.0	0.0	17.5	8.9	6.1	16.3	2.2	65.2	1.2	40.7
Louisiana	38.5	105.8	4.7	0.4	22.1	9.6	5.3	11.5	1.8	18.2	4.6	66.2
Mississippi	34.9	124.0	3.7	0.7	18.3	10.1	8.0	19.1	3.1	49.3	1.8	44.8
Oklahoma (east)	3.6	24.4	0.0	0.0	2.5	1.9	0.8	2.5	0.3	15.8	0.0	4.2
Tennessee	11.4	142.5	0.0	0.0	5.7	4.0	3.1	10.3	2.3	117.8	0.2	10.4
Texas (east)	28.3	64.9	1.4	0.2	19.4	9.3	5.0	13.1	1.8	23.3	0.8	19.0
All States	190.4	712.8	16.5	2.6	111.1	54.8	38.1	93.4	14.9	346.7	9.7	215.3

*Numbers in columns and rows may not total due to rounding.

[†]Includes maple-beech-birch, hemlock, and white pine-hemlock types.[‡]Includes elm-ash-cottonwood and oak-gum-cypress types.[§]Softwood species.[¶]Hardwood species.Table 19.— *Wood and bark fresh weight in trees on timberland by State and class of tree, Midsouth States**

State	Tree class											
	All classes		Growing stock		Rough cull		Rotten cull		Salvable dead		Nonsalvable dead	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
<i>-----Million tons-----</i>												
Alabama	678.8	1,091.4	576.2	744.9	26.2	186.1	1.8	41.2	7.7	5.8	66.9	113.5
Arkansas	415.4	1,074.9	356.2	690.7	26.7	222.2	0.3	26.8	1.7	5.5	30.6	129.7
Louisiana	551.3	879.7	474.1	523.0	35.4	194.0	2.5	46.5	5.6	5.9	33.7	110.3
Mississippi	511.4	1,037.2	426.9	662.6	34.2	231.2	0.6	34.6	6.4	4.0	43.3	104.8
Oklahoma (east)	59.9	215.2	51.7	86.8	4.3	75.7	0.2	13.1	0.4	1.5	3.3	38.0
Tennessee	166.2	1,166.5	140.8	794.0	11.1	213.1	0.3	32.5	1.7	5.7	12.3	121.2
Texas (east)	422.1	553.4	364.9	307.3	21.7	144.1	0.5	29.4	6.8	4.8	28.2	67.8
All States	2,805.0	6,018.3	2,390.7	3,809.3	159.5	1,266.4	6.2	224.2	30.3	33.1	218.3	685.3

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species[‡]Hardwood species.

Table 20.— *Wood and bark fresh weight of stems in trees on timberland by State and class of tree, Midsouth States**

State	Tree class											
	All classes		Growing stock		Rough cull		Rotten cull		Salvable dead		Nonsalvable dead	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
	<i>Million tons</i>											
Alabama	566.3	834.4	480.8	571.9	21.8	142.9	1.4	27.3	6.2	4.3	56.1	88.0
Arkansas	351.3	805.2	302.5	517.0	21.6	168.2	0.3	16.3	1.4	4.1	25.6	99.5
Louisiana	464.5	659.0	401.4	395.3	28.7	146.2	1.9	29.0	4.5	4.3	28.0	84.1
Mississippi	428.9	780.2	359.5	499.4	27.5	174.3	0.4	22.2	5.3	3.0	36.2	81.3
Oklahoma (east)	51.1	161.9	44.1	64.8	3.6	58.1	0.1	8.3	0.4	1.1	2.9	29.5
Tennessee	136.7	882.2	115.6	603.8	9.2	160.0	0.2	20.5	1.4	4.3	10.3	93.6
Texas (east)	355.9	413.8	308.5	231.6	17.7	109.2	0.4	18.1	5.6	3.5	23.7	51.4
All States	2,354.7	4,536.6	2,012.3	2,883.8	130.1	959.0	4.9	141.7	24.8	24.6	182.7	527.5

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.[‡]Hardwood species.Table 21.— *Wood and bark fresh weight of crowns in trees on timberland by State and class of tree, Midsouth States**

State	Tree class											
	All classes		Growing stock		Rough cull		Rotten cull		Salvable dead		Nonsalvable dead	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
	<i>Million tons</i>											
Alabama	112.4	257.1	95.4	173.0	4.4	43.2	0.4	13.9	1.5	1.5	10.8	25.5
Arkansas	64.1	269.7	53.7	173.7	5.1	53.9	0.1	10.5	0.3	1.4	4.9	30.2
Louisiana	86.8	220.7	72.7	127.6	6.8	47.8	0.5	17.5	1.0	1.5	5.8	26.2
Mississippi	82.4	257.0	67.4	163.2	6.6	56.9	0.1	12.5	1.2	0.9	7.1	23.5
Oklahoma (east)	8.8	53.3	7.7	22.1	0.6	17.6	0.0	4.8	0.1	0.4	0.4	8.5
Tennessee	29.5	284.3	25.2	190.2	1.9	53.1	0.1	12.0	0.3	1.4	2.0	27.6
Texas (east)	66.2	139.7	56.5	75.8	4.0	35.0	0.1	11.3	1.1	1.2	4.5	16.3
All States	450.3	1,481.7	378.5	925.5	29.4	307.4	1.3	82.5	5.5	8.5	35.6	157.8

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.[‡]Hardwood species.

Table 22.— Wood and bark dry weight of trees on timberland by State and class of tree, Midsouth States*

State	Tree class											
	All classes		Growing stock		Rough cull		Rotten cull		Salvable dead		Nonsalvable dead	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
-----Million tons-----												
Alabama	342.2	600.4	290.3	407.3	13.3	103.4	0.9	22.9	3.8	3.3	33.8	63.5
Arkansas	206.7	605.2	175.8	386.9	14.1	125.9	0.2	15.1	0.8	3.2	15.7	74.1
Louisiana	281.2	479.6	240.5	283.0	19.1	106.3	1.3	25.9	2.8	3.4	17.5	61.0
Mississippi	258.0	562.4	214.1	356.9	18.1	126.1	0.3	18.8	3.2	2.3	22.3	58.3
Oklahoma (east)	29.7	125.9	25.5	50.5	2.2	44.8	0.1	7.7	0.2	0.9	1.7	22.1
Tennessee	81.3	665.2	68.7	451.7	5.5	121.8	0.1	18.7	0.8	3.3	6.1	69.7
Texas (east)	210.1	299.8	180.7	164.5	11.4	78.6	0.3	15.9	3.3	2.7	14.3	38.1
All States	1,409.1	3,338.5	1,195.6	2,100.7	83.7	707.0	3.2	124.9	15.1	19.1	111.5	386.8

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.[‡]Hardwood species.

Table 23.— Wood and bark dry weight of stems in trees on timberland by State and class of tree, Midsouth States*

State	Tree class											
	All classes		Growing stock		Rough cull		Rotten cull		Salvable dead		Nonsalvable dead	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
-----Million tons-----												
Alabama	290.2	466.6	245.7	315.3	11.4	83.1	0.7	15.1	3.2	2.4	29.2	50.8
Arkansas	177.4	457.4	151.0	289.0	11.9	98.7	0.1	9.0	0.7	2.4	13.6	58.3
Louisiana	239.7	359.2	205.4	211.9	16.1	81.9	1.1	15.6	2.3	2.4	14.9	47.3
Mississippi	219.3	426.1	182.2	267.6	15.1	98.5	0.2	11.8	2.7	1.7	19.1	46.6
Oklahoma (east)	25.9	96.8	22.2	38.0	1.9	35.7	0.1	4.8	0.2	0.7	1.5	17.6
Tennessee	69.0	508.2	58.1	343.5	4.7	94.5	0.1	11.6	0.7	2.5	5.3	56.1
Texas (east)	179.3	225.5	154.1	123.3	9.7	61.3	0.2	9.5	2.8	2.0	12.4	29.4
All States	1,200.8	2,539.8	1,018.7	1,588.6	70.8	553.8	2.6	77.4	12.5	14.1	96.1	305.9

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.[‡]Hardwood species.

Table 24.— Wood and bark dry weight of crowns in trees on timberland by State and class of tree, Midsouth States*

State	Tree class											
	All classes		Growing stock		Rough cull		Rotten cull		Salvable dead		Nonsalvable dead	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
-----Million tons-----												
Alabama	51.9	133.8	44.6	92.0	1.9	20.3	0.2	7.8	0.7	0.9	4.6	12.8
Arkansas	29.2	147.8	24.8	97.9	2.2	27.2	0.0	6.0	0.2	0.9	2.1	15.8
Louisiana	41.6	120.4	35.1	71.1	3.1	24.4	0.3	10.2	0.5	0.9	2.6	13.7
Mississippi	38.7	136.2	31.9	89.3	3.0	27.6	0.1	7.0	0.5	0.5	3.2	11.7
Oklahoma (east)	3.8	29.1	3.4	12.4	0.3	9.1	0.0	2.9	0.0	0.2	0.2	4.5
Tennessee	12.3	157.0	10.6	108.2	0.8	27.3	0.0	7.1	0.1	0.8	0.8	13.6
Texas (east)	30.8	74.3	26.5	41.2	1.7	17.4	0.0	6.4	0.5	0.7	2.0	8.7
All States	208.4	798.7	176.8	512.1	12.9	153.3	0.7	47.5	2.6	5.0	15.4	80.9

*Numbers in columns and rows may not total due to rounding.

[†]Softwood species.[‡]Hardwood species.

Table 25.— Wood and bark fresh weight of trees on timberland by species and class of tree, Midsouth States*

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Atlantic white-cedar	2,441.2	1,949.2	0.0	0.0	55.5	436.6
Southern redcedar	144.9	102.3	42.6	0.0	0.0	0.0
Eastern redcedar	101,676.1	69,899.7	19,850.5	856.6	2,649.5	8,419.9
Shortleaf pine	1,320,638.3	1,126,735.7	48,524.3	856.6	18,347.1	126,174.6
Slash pine	301,650.1	259,278.4	11,942.9	100.8	4,916.8	25,411.2
Spruce pine	53,320.5	48,289.0	1,725.2	230.0	61.8	3,014.5
Longleaf pine	252,061.0	233,849.8	4,085.6	492.0	1,774.6	11,859.1
Table Mountain pine	1,458.6	1,458.6	0.0	0.0	0.0	0.0
Pitch pine	6,175.8	5,142.1	626.1	6.8	20.2	380.7
Pond pine	106.2	106.2	0.0	0.0	0.0	0.0
Eastern white pine	24,255.2	22,236.1	1,119.5	0.0	119.3	780.3
Loblolly pine	3,044,021.7	2,678,060.6	127,854.0	4,111.2	30,024.3	203,971.6
Virginia pine	216,054.2	177,235.2	12,941.9	536.2	2,167.7	23,173.3
Baldcypress	164,038.9	140,969.8	14,203.6	5,083.6	410.1	3,371.9
Eastern hemlock	17,674.3	16,144.5	1,174.0	57.0	0.0	298.8
Carolina hemlock	4.5	0.0	4.5	0.0	0.0	0.0
Florida maple	5,872.8	2,833.2	2,013.8	359.6	0.0	666.3
Boxelder	50,649.1	19,038.1	20,186.5	1,860.1	0.0	9,564.4
Black maple	1,070.3	241.6	507.3	0.0	0.0	321.5
Red maple	366,208.8	168,705.2	127,506.6	17,501.9	1,078.3	51,416.7
Silver maple	11,143.4	4,992.8	3,111.2	221.0	73.7	2,744.7
Sugar maple	107,626.0	72,056.0	24,731.9	5,365.1	0.0	5,472.9
Ohio buckeye	864.4	352.0	385.5	23.6	0.0	103.3
Yellow buckeye	4,073.7	2,969.7	738.9	176.1	0.0	188.9
Buckeyes, other	233.8	0.0	231.5	0.0	0.0	2.4
Ailanthus, tree-of-heaven	5,140.3	0.0	4,282.0	0.0	0.0	858.3
Serviceberry	2,810.5	0.0	2,589.3	0.0	0.0	221.2
Yellow birch	853.2	526.4	167.9	95.7	0.0	63.2
Sweet birch	8,035.7	5,959.3	908.1	203.4	42.0	922.9
River birch	39,331.7	23,554.4	7,669.1	1,268.2	368.5	6,471.6
Bumelia	1,406.8	0.0	1,183.5	0.0	0.0	223.3
Bluebeech,						
American hornbeam	133,283.3	0.0	96,483.7	0.0	0.0	36,799.6
Hickories	876,342.9	601,186.9	146,603.3	26,711.4	7,716.8	94,124.6
Water hickory	106,045.0	62,433.4	20,131.5	2,262.3	1,305.4	19,912.4
Pecan	36,694.9	26,340.6	7,349.4	445.4	0.0	2,559.5
Chinkapin	1,202.4	0.0	383.4	0.0	0.0	819.0
American chestnut	507.1	110.7	33.4	0.0	0.0	363.0
Allegheny chinkapin	1,378.7	23.1	155.7	0.0	55.4	1,144.6
Catalpa	1,207.4	56.5	427.0	267.3	0.0	456.6
Sugarberry	218,764.7	113,313.5	67,049.6	7,838.9	145.3	30,417.5
Hackberry	43,702.5	23,623.6	12,699.2	1,348.4	218.5	5,812.9
Eastern redbud	16,475.4	0.0	10,814.9	0.0	0.0	5,660.6
Flowering dogwood	204,873.2	73,862.7	91,433.6	2,272.1	279.7	37,025.1
American smoketree	298.7	0.0	298.7	0.0	0.0	0.0
Hawthorn	24,689.7	0.0	17,193.5	0.0	0.0	7,496.3
Common persimmon	64,619.1	28,518.6	19,801.6	853.9	223.5	15,221.5
American beech	204,249.8	96,967.3	47,902.5	40,874.8	388.8	18,116.4
White ash	103,602.5	61,193.9	28,172.4	2,827.3	852.8	10,556.2
Green ash	238,907.4	137,825.7	53,620.9	9,379.7	1,971.7	36,109.4
Pumpkin ash	149.2	77.1	72.1	0.0	0.0	0.0
Blue ash	1,446.6	939.8	342.3	30.4	0.0	134.1
Waterlocust	8,703.7	4,421.8	2,250.8	446.1	159.7	1,425.3
Honeylocust	29,428.2	12,605.7	8,155.0	1,123.4	520.8	7,023.4
Kentucky coffeetree	273.0	30.9	221.2	20.9	0.0	0.0
Silverbell	402.6	103.0	170.4	67.5	0.0	61.8
American holly	29,994.1	13,313.2	11,513.7	765.4	31.8	4,370.0
Butternut	1,793.5	699.5	555.5	56.6	55.4	426.5
Black walnut	31,608.1	17,274.5	8,583.7	1,354.9	378.5	4,016.4
Sweetgum	1,317,540.5	944,347.9	208,913.6	31,786.4	5,284.9	127,207.8
Yellow-poplar	337,729.7	289,407.6	26,691.5	7,504.9	625.4	13,500.3
Osage-orange	9,994.8	450.1	8,282.8	319.7	79.1	863.0
Cucumbertree	7,646.4	5,813.5	1,177.9	153.8	0.0	501.2
Southern magnolia	18,236.2	10,176.5	4,683.4	1,847.6	0.0	1,528.7

Table 25.— Wood and bark fresh weight of trees on timberland by species and class of tree, Midsouth States*—Continued

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Bigleaf magnolia	4,445.4	0.0	4,058.2	0.0	0.0	387.2
Sweetbay	112,126.8	62,260.2	27,328.9	8,735.9	211.1	13,590.7
Apples	589.0	0.0	414.6	0.0	0.0	174.4
Chinaberry	1,305.6	0.0	932.8	0.0	0.0	372.8
White mulberry	987.1	0.0	564.2	0.0	0.0	422.9
Red mulberry	21,489.9	4,219.7	8,918.7	1,275.0	304.1	6,772.4
Water tupelo	200,414.0	139,043.7	31,984.8	8,138.6	632.2	20,614.7
Blackgum	381,994.1	237,141.2	92,869.2	20,578.5	770.9	30,634.3
Swamp tupelo	62,507.8	45,209.0	9,201.1	2,812.9	154.0	5,130.8
Eastern hophornbeam	66,883.6	0.0	56,529.3	0.0	0.0	10,354.3
Sourwood	103,756.0	0.0	89,269.9	0.0	0.0	14,486.1
Royal paulownia	1,177.6	0.0	1,177.6	0.0	0.0	0.0
Redbay	5,502.3	1,179.9	2,952.8	29.7	0.0	1,339.9
Water-elm	13,652.3	0.0	10,166.6	0.0	0.0	3,485.8
American sycamore	71,548.9	52,542.9	9,785.7	2,393.7	341.9	6,484.8
Eastern cottonwood	68,505.2	52,294.9	5,318.0	1,568.9	550.3	8,773.1
Black cherry	78,938.4	39,588.6	30,018.8	2,048.3	209.3	7,073.4
Plums, cherries [§]	8,292.3	0.0	5,889.5	0.0	0.0	2,402.8
White oak	985,316.2	772,701.4	120,403.5	24,031.8	5,201.6	62,977.9
Swamp white oak	2,057.5	1,483.1	310.3	153.7	0.0	110.3
Scarlet oak	165,064.5	116,296.8	16,960.1	6,742.7	2,133.0	22,931.8
Durand oak	1,571.4	870.7	538.0	0.0	0.0	162.7
Southern red oak	783,492.6	582,261.4	114,399.4	23,856.2	5,354.9	57,620.9
Cherrybark oak	332,158.2	262,131.3	42,865.4	10,530.0	1,432.8	15,198.7
Shingle oak	455.6	224.9	178.9	0.0	0.0	51.9
Bluejack oak	9,061.9	0.0	6,763.8	0.0	0.0	2,298.2
Turkey oak	6,318.9	0.0	4,899.0	0.0	0.0	1,419.9
Laurel oak	131,684.4	85,398.2	24,426.0	9,039.5	878.1	11,942.5
Overcup oak	186,835.9	129,728.0	26,126.5	10,017.0	1,068.9	19,895.6
Bur oak	2,658.9	1,731.7	568.9	0.0	0.0	358.2
Blackjack oak	129,215.7	0.0	83,224.2	0.0	0.0	45,991.5
Swamp chestnut oak	62,078.7	46,131.4	9,698.1	3,144.7	70.3	3,034.2
Chinkapin oak	39,139.8	21,419.0	11,888.9	2,655.5	43.9	3,132.5
Water oak	761,388.8	510,808.9	131,921.3	32,835.0	4,499.6	81,324.0
Nuttall oak	83,702.6	61,487.3	9,803.9	4,545.1	415.0	7,451.2
Pin oak	8,929.6	5,515.5	2,495.0	211.7	153.1	554.3
Willow oak	346,455.8	221,584.0	48,854.4	19,921.9	2,486.6	53,609.0
Chestnut oak	245,746.7	186,408.6	36,033.0	9,708.5	672.6	12,923.9
Northern red oak	244,419.5	173,129.6	30,319.6	9,359.0	1,568.7	30,042.6
Shumard oak	44,586.3	29,781.8	6,717.3	2,860.8	358.8	4,867.6
Post oak	654,901.4	405,724.0	156,476.3	29,275.9	4,005.2	59,420.0
Delta post oak	1,786.1	1,280.6	228.2	44.7	0.0	232.6
Black oak	374,507.0	252,969.8	44,969.0	17,851.4	4,782.3	53,934.5
Live oak	7,095.6	0.0	6,774.2	0.0	0.0	321.4
Black locust	31,157.8	11,131.9	8,502.0	2,423.5	588.6	8,511.8
Black willow	138,943.6	64,165.7	28,565.9	4,259.9	1,170.8	40,781.3
Sassafras	53,942.1	23,359.3	17,330.3	2,049.5	644.3	10,558.8
American basswood	14,430.0	9,262.6	2,336.2	1,487.7	0.0	1,343.5
White basswood	3,821.2	2,200.0	760.9	261.3	0.0	599.0
Winged elm	165,609.7	80,406.4	59,300.4	1,461.8	1,142.9	23,298.2
American elm	138,660.3	65,482.8	32,837.2	2,784.8	1,646.2	35,909.2
Cedar elm	23,694.2	14,310.3	5,896.6	842.7	383.8	2,260.8
Siberian elm	163.5	50.4	36.7	0.0	0.0	76.4
Slippery elm	34,649.1	18,838.0	8,006.0	770.6	427.4	6,607.1
September elm	587.4	302.6	169.2	0.0	0.0	115.5
Rock elm	374.6	169.7	123.4	0.0	44.8	36.6
Tree sparkleberry	8,493.9	0.0	7,197.7	0.0	0.0	1,296.2
Other species [‡]	34,569.7	0.0	13,090.4	0.0	0.0	21,479.4
All species	17,646,676.9	12,400,031.3	2,851,852.4	460,672.9	126,750.8	1,807,369.5

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 26.— *Wood and bark fresh weight of stems in trees on timberland by species and class of tree, Midsouth States**

Species common name [†]	All classes	Tree class				
		Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
		<i>Million pounds</i>				
Atlantic white-cedar	2,046.4	1,665.0	0.0	0.0	47.8	333.5
Southern redcedar	110.3	91.1	19.2	0.0	0.0	0.0
Eastern redcedar	85,502.3	58,572.1	16,748.1	671.9	2,207.4	7,302.8
Shortleaf pine	1,134,314.7	969,783.2	40,769.4	715.6	15,385.3	107,661.2
Slash pine	250,647.6	215,210.4	9,855.9	86.6	3,969.8	21,525.0
Spruce pine	44,242.7	40,020.2	1,471.4	182.7	40.1	2,528.2
Longleaf pine	205,561.9	190,633.8	3,352.3	369.5	1,430.8	9,775.4
Table Mountain pine	1,249.5	1,249.5	0.0	0.0	0.0	0.0
Pitch pine	5,252.3	4,398.1	514.9	0.1	15.2	324.0
Pond pine	90.9	90.9	0.0	0.0	0.0	0.0
Eastern white pine	17,960.8	16,383.6	871.1	0.0	101.4	604.7
Loblolly pine	2,547,916.1	2,243,496.7	106,148.6	3,271.9	24,301.0	170,697.9
Virginia pine	176,797.0	144,771.6	10,604.0	402.1	1,750.1	19,269.3
Baldcypress	145,588.0	125,703.6	12,553.8	4,014.5	356.2	2,959.8
Eastern hemlock	13,707.4	12,469.9	955.6	37.2	0.0	244.7
Carolina hemlock	4.2	0.0	4.2	0.0	0.0	0.0
Florida maple	4,471.0	2,163.9	1,577.5	249.1	0.0	480.5
Boxelder	37,994.3	14,195.9	15,451.5	1,242.2	0.0	7,104.6
Black maple	746.4	168.0	349.2	0.0	0.0	229.1
Red maple	278,172.4	126,977.9	99,410.6	11,893.6	789.6	39,100.8
Silver maple	8,385.9	3,762.1	2,388.8	163.8	49.7	2,021.6
Sugar maple	78,476.7	53,154.7	18,056.6	3,211.4	0.0	4,054.0
Ohio buckeye	732.5	298.1	323.9	19.6	0.0	90.9
Yellow buckeye	3,335.6	2,452.0	604.2	123.6	0.0	155.9
Buckeyes, other	201.3	0.0	199.2	0.0	0.0	2.1
Ailanthus, tree-of-heaven	4,077.1	0.0	3,403.9	0.0	0.0	673.2
Serviceberry	2,354.7	0.0	2,163.4	0.0	0.0	191.3
Yellow birch	606.3	380.5	112.9	62.1	0.0	50.8
Sweet birch	5,600.6	4,119.8	639.7	121.4	30.0	689.6
River birch	27,793.4	16,588.6	5,425.0	780.7	261.5	4,737.7
Bumelia	1,134.9	0.0	960.3	0.0	0.0	174.5
Bluebeech,						
American hornbeam	100,202.2	0.0	72,423.2	0.0	0.0	27,779.0
Hickories	668,226.2	457,333.7	114,486.1	17,721.9	5,614.6	73,069.8
Water hickory	77,749.2	45,254.4	15,334.4	1,438.1	964.2	14,758.1
Pecan	25,860.0	18,448.9	5,183.7	285.9	0.0	1,941.5
Chinkapin	970.1	0.0	316.5	0.0	0.0	653.6
American chestnut	390.1	86.6	19.5	0.0	0.0	284.1
Allegheny chinkapin	1,076.3	18.4	117.9	0.0	43.2	896.8
Catalpa	972.1	45.4	358.2	201.8	0.0	366.7
Sugarberry	158,236.7	82,398.2	48,839.5	4,795.7	101.9	22,101.4
Hackberry	31,843.0	17,280.5	9,267.3	842.9	155.0	4,297.4
Eastern redbud	13,647.2	0.0	8,942.6	0.0	0.0	4,704.6
Flowering dogwood	158,142.2	56,822.1	70,863.0	1,511.6	186.8	28,758.6
American smoketree	243.2	0.0	243.2	0.0	0.0	0.0
Hawthorn	19,359.1	0.0	13,449.3	0.0	0.0	5,909.9
Common persimmon	48,678.5	21,112.7	15,186.8	608.5	142.3	11,628.3
American beech	136,140.6	68,241.1	32,924.0	22,709.2	259.2	12,007.0
White ash	79,232.3	46,687.7	21,761.8	1,955.5	648.3	8,179.0
Green ash	182,467.3	105,135.8	41,324.2	6,642.5	1,470.5	27,894.3
Pumpkin ash	117.9	60.4	57.5	0.0	0.0	0.0
Blue ash	1,106.6	721.9	256.4	20.6	0.0	107.6
Waterlocust	6,371.9	3,214.8	1,700.7	300.2	119.3	1,037.0
Honeylocust	21,233.1	9,149.5	5,947.7	642.9	376.8	5,116.2
Kentucky coffeetree	216.9	25.6	180.1	11.3	0.0	0.0
Silverbell	314.6	81.6	134.8	48.5	0.0	49.7
American holly	24,411.1	10,728.2	9,484.7	563.0	17.2	3,617.9
Butternut	1,330.1	513.3	422.7	39.9	42.9	311.3
Black walnut	23,150.2	12,835.9	6,226.6	841.8	274.5	2,971.4
Sweetgum	1,079,424.0	773,886.4	172,080.3	23,250.2	4,257.7	105,949.4
Yellow-poplar	280,040.7	240,713.6	22,008.3	5,538.2	513.9	11,266.7
Osage-orange	7,364.5	330.2	6,171.4	184.0	53.0	626.0
Cucumbertree	6,336.7	4,847.1	982.0	109.3	0.0	398.3
Southern magnolia	14,560.5	8,257.4	3,774.2	1,306.6	0.0	1,222.3

Table 26.— Wood and bark fresh weight of stems in trees on timberland by species and class of tree, Midsouth States*—Continued

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	-----Million pounds-----					
Bigleaf magnolia	3,565.4	0.0	3,242.4	0.0	0.0	323.1
Sweetbay	90,208.6	50,222.9	22,314.6	6,451.0	164.3	11,055.7
Apples	470.1	0.0	330.4	0.0	0.0	139.7
Chinaberry	1,032.7	0.0	733.5	0.0	0.0	299.2
White mulberry	802.1	0.0	455.3	0.0	0.0	346.8
Red mulberry	17,330.5	3,405.0	7,227.5	893.5	240.5	5,564.0
Water tupelo	160,164.7	111,947.5	25,853.6	5,657.5	492.8	16,213.3
Blackgum	266,147.7	169,718.7	60,986.8	13,388.8	569.5	21,483.9
Swamp tupelo	49,761.1	36,138.0	7,395.3	2,020.0	126.2	4,081.7
Eastern hophornbeam	50,588.7	0.0	42,657.0	0.0	0.0	7,931.7
Sourwood	77,622.1	0.0	66,390.1	0.0	0.0	11,232.1
Royal paulownia	920.7	0.0	920.7	0.0	0.0	0.0
Redbay	4,583.0	969.3	2,461.6	9.1	0.0	1,143.0
Water-elm	10,982.9	0.0	8,175.3	0.0	0.0	2,807.5
American sycamore	59,381.5	43,493.1	8,182.7	2,094.4	279.3	5,332.0
Eastern cottonwood	53,603.5	40,975.2	4,077.8	1,094.8	443.7	7,011.9
Black cherry	58,613.7	29,324.2	22,446.1	1,286.3	142.7	5,414.3
Plums, cherries [‡]	6,458.7	0.0	4,604.0	0.0	0.0	1,854.7
White oak	704,565.9	554,928.4	85,928.9	13,827.8	3,652.0	46,228.7
Swamp white oak	1,380.6	1,013.8	206.8	89.9	0.0	70.2
Scarlet oak	121,463.3	85,779.3	12,548.8	4,320.4	1,562.0	17,252.7
Durand oak	1,109.4	608.6	387.7	0.0	0.0	113.2
Southern red oak	578,869.6	434,494.1	82,788.7	13,573.8	4,003.3	44,009.8
Cherrybark oak	226,495.1	182,082.7	27,441.2	5,267.9	998.2	10,705.0
Shingle oak	311.5	146.6	124.7	0.0	0.0	40.2
Bluejack oak	7,125.1	0.0	5,295.1	0.0	0.0	1,830.0
Turkey oak	5,020.2	0.0	3,884.3	0.0	0.0	1,136.0
Laurel oak	91,458.1	60,414.5	17,068.5	4,789.2	640.5	8,545.4
Overcup oak	125,178.8	87,778.6	17,850.7	5,339.9	709.1	13,500.4
Bur oak	1,905.5	1,249.3	390.1	0.0	0.0	266.1
Blackjack oak	105,916.3	0.0	68,339.2	0.0	0.0	37,577.2
Swamp chestnut oak	48,010.7	35,992.5	7,507.5	2,154.6	54.2	2,301.9
Chinkapin oak	27,937.2	15,505.5	8,523.1	1,578.6	32.1	2,297.9
Water oak	562,366.9	381,497.6	96,945.3	20,253.4	3,325.0	60,345.6
Nuttall oak	59,427.3	44,149.1	6,712.5	2,796.3	299.7	5,469.7
Pin oak	6,409.4	4,023.0	1,734.8	125.5	112.0	414.1
Willow oak	252,527.6	164,161.8	35,430.5	11,953.2	1,867.3	39,114.8
Chestnut oak	196,808.2	150,760.0	28,659.8	6,630.4	544.8	10,213.3
Northern red oak	188,781.9	134,001.7	23,676.6	6,286.3	1,191.7	23,625.6
Shumard oak	33,429.7	22,610.7	5,052.7	1,871.7	272.1	3,622.6
Post oak	457,101.3	284,252.3	110,403.8	17,261.2	2,748.8	42,435.3
Delta post oak	1,256.0	902.7	154.0	27.2	0.0	172.1
Black oak	287,003.9	195,619.7	34,267.2	11,252.6	3,661.9	42,202.6
Live oak	4,579.4	0.0	4,327.9	0.0	0.0	251.5
Black locust	24,245.4	8,661.8	6,696.3	1,820.3	437.8	6,629.1
Black willow	110,284.4	51,004.6	22,595.7	3,007.5	935.8	32,740.8
Sassafras	43,903.5	18,846.0	14,261.6	1,507.9	485.9	8,802.0
American basswood	9,829.4	6,288.1	1,591.2	907.6	0.0	1,042.6
White basswood	2,629.5	1,409.8	537.7	193.5	0.0	488.5
Winged elm	134,731.5	64,625.8	49,184.1	1,050.3	893.2	18,978.1
American elm	111,545.8	52,801.8	26,482.0	1,997.2	1,341.7	28,923.0
Cedar elm	19,173.8	11,584.5	4,817.2	585.8	318.2	1,868.1
Siberian elm	130.8	42.9	23.3	0.0	0.0	64.6
Slippery elm	27,898.9	15,217.8	6,450.9	552.5	340.5	5,337.2
September elm	464.0	234.7	135.6	0.0	0.0	93.6
Rock elm	308.4	138.9	103.0	0.0	37.5	29.0
Tree sparkleberry	7,239.4	0.0	6,135.5	0.0	0.0	1,103.9
Other species [‡]	27,144.1	0.0	9,609.3	0.0	0.0	17,534.8
All species	13,782,695.5	9,792,055.8	2,178,132.0	293,107.3	98,901.5	1,420,498.9

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 27.— *Wood and bark fresh weight of crowns in trees on timberland by species and class of tree, Midsouth States*

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Atlantic white-cedar	394.9	284.2	0.0	0.0	7.6	103.0
Southern redcedar	34.6	11.2	23.4	0.0	0.0	0.0
Eastern redcedar	16,173.8	11,327.6	3,102.4	184.7	442.0	1,117.1
Shortleaf pine	186,323.6	156,952.4	7,754.9	141.0	2,961.8	18,513.4
Slash pine	51,002.6	44,068.0	2,087.1	14.3	947.0	3,886.2
Spruce pine	9,077.9	8,268.8	253.7	47.4	21.7	486.2
Longleaf pine	46,499.2	43,216.0	733.3	122.4	343.9	2,083.6
Table Mountain pine	209.1	209.1	0.0	0.0	0.0	0.0
Pitch pine	923.5	744.0	111.2	6.6	4.9	56.7
Pond pine	15.3	15.3	0.0	0.0	0.0	0.0
Eastern white pine	6,294.5	5,852.5	248.3	0.0	17.9	175.6
Loblolly pine	496,105.7	434,563.9	21,705.6	839.3	5,723.3	33,273.6
Virginia pine	39,257.2	32,463.6	2,337.9	134.1	417.7	3,904.0
Baldcypress	18,450.9	15,266.2	1,649.7	1,069.1	53.9	412.1
Eastern hemlock	3,966.8	3,674.6	218.4	19.8	0.0	54.0
Carolina hemlock	0.3	0.0	0.3	0.0	0.0	0.0
Florida maple	1,401.8	669.3	436.2	110.5	0.0	185.8
Boxelder	12,654.8	4,842.2	4,735.0	617.9	0.0	2,459.7
Black maple	323.9	73.5	158.0	0.0	0.0	92.3
Red maple	88,036.2	41,727.3	28,095.9	5,608.3	288.7	12,316.0
Silver maple	2,757.5	1,230.8	722.4	57.2	24.0	723.2
Sugar maple	29,149.3	18,901.3	6,675.3	2,153.7	0.0	1,418.9
Ohio buckeye	131.9	53.9	61.5	4.0	0.0	12.5
Yellow buckeye	738.1	517.7	134.8	52.6	0.0	33.1
Buckeyes, other	32.6	0.0	32.2	0.0	0.0	0.3
Ailanthus, tree-of-heaven	1,063.2	0.0	878.1	0.0	0.0	185.1
Serviceberry	455.8	0.0	425.9	0.0	0.0	29.9
Yellow birch	246.9	145.9	55.0	33.6	0.0	12.5
Sweet birch	2,435.1	1,839.5	268.4	82.0	12.0	233.2
River birch	11,538.3	6,965.8	2,244.1	487.5	107.0	1,733.9
Bumelia	272.0	0.0	223.2	0.0	0.0	48.8
Bluebeech,						
American hornbeam	33,081.2	0.0	24,060.6	0.0	0.0	9,020.6
Hickories	208,116.9	143,853.2	32,117.3	8,989.4	2,102.2	21,054.8
Water hickory	28,295.9	17,179.0	4,797.2	824.2	341.3	5,154.2
Pecan	10,834.9	7,891.7	2,165.7	159.6	0.0	618.0
Chinkapin	232.3	0.0	66.9	0.0	0.0	165.4
American chestnut	116.9	24.1	13.9	0.0	0.0	78.9
Allegheny chinkapin	302.5	4.6	37.9	0.0	12.2	247.8
Catalpa	235.3	11.1	68.8	65.4	0.0	89.9
Sugarberry	60,528.0	30,915.3	18,210.1	3,043.1	43.4	8,316.1
Hackberry	11,859.5	6,343.1	3,431.9	505.5	63.6	1,515.5
Eastern redbud	2,828.2	0.0	1,872.3	0.0	0.0	955.9
Flowering dogwood	46,731.1	17,040.6	20,570.6	760.5	92.9	8,266.5
American smoketree	55.6	0.0	55.6	0.0	0.0	0.0
Hawthorn	5,330.6	0.0	3,744.2	0.0	0.0	1,586.4
Common persimmon	15,940.6	7,405.9	4,614.8	245.4	81.2	3,593.3
American beech	68,109.2	28,726.2	14,978.4	18,165.6	129.6	6,109.3
White ash	24,370.3	14,506.2	6,410.6	871.7	204.6	2,377.2
Green ash	56,440.1	32,690.0	12,296.7	2,737.2	501.2	8,215.0
Pumpkin ash	31.3	16.7	14.6	0.0	0.0	0.0
Blue ash	340.0	217.9	85.9	9.8	0.0	26.5
Waterlocust	2,331.7	1,207.0	550.2	145.9	40.3	388.3
Honeylocust	8,195.1	3,456.2	2,207.3	480.5	143.9	1,907.2
Kentucky coffeetree	56.1	5.3	41.1	9.7	0.0	0.0
Silverbell	88.0	21.4	35.6	19.0	0.0	12.1
American holly	5,583.0	2,584.9	2,029.0	202.4	14.5	752.1
Butternut	463.4	186.2	132.8	16.7	12.5	115.2
Black walnut	8,457.9	4,438.6	2,357.1	513.1	104.0	1,045.0
Sweetgum	238,116.7	170,461.5	36,833.4	8,536.1	1,027.2	21,258.4
Yellow-poplar	57,689.0	48,694.1	4,683.3	1,966.7	111.4	2,233.6
Osage-orange	2,630.3	119.9	2,111.5	135.7	26.1	237.1
Cucumbertree	1,309.8	966.4	196.0	44.5	0.0	102.9
Southern magnolia	3,675.7	1,919.1	909.2	541.0	0.0	306.4

Table 27.— Wood and bark fresh weight of crowns in trees on timberland by species and class of tree, Midsouth States*—Continued

Species common name [†]	All classes	Tree class				
		Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
		<i>Million pounds</i>				
Bigleaf magnolia	880.0	0.0	815.9	0.0	0.0	64.1
Sweetbay	21,918.3	12,037.3	5,014.3	2,284.9	46.7	2,535.0
Apples	118.9	0.0	84.2	0.0	0.0	34.7
Chinaberry	272.9	0.0	199.3	0.0	0.0	73.6
White mulberry	185.0	0.0	108.9	0.0	0.0	76.1
Red mulberry	4,159.4	814.7	1,691.1	381.5	63.7	1,208.5
Water tupelo	40,249.3	27,096.2	6,131.2	2,481.0	139.4	4,401.4
Blackgum	115,846.1	67,422.4	31,882.2	7,189.6	201.5	9,150.4
Swamp tupelo	12,746.7	9,071.0	1,805.8	793.0	27.8	1,049.1
Eastern hophornbeam	16,294.9	0.0	13,872.3	0.0	0.0	2,422.6
Sourwood	26,133.9	0.0	22,879.9	0.0	0.0	3,254.0
Royal paulownia	256.9	0.0	256.9	0.0	0.0	0.0
Redbay	919.4	210.5	491.3	20.6	0.0	196.9
Water-elm	2,669.5	0.0	1,991.3	0.0	0.0	678.2
American sycamore	12,167.4	9,049.8	1,602.9	299.3	62.6	1,152.8
Eastern cottonwood	14,901.8	11,319.7	1,240.2	474.1	106.6	1,761.3
Black cherry	20,324.7	10,264.4	7,572.7	761.9	66.6	1,659.1
Plums, cherries [‡]	1,833.7	0.0	1,285.5	0.0	0.0	548.2
White oak	280,750.2	217,773.0	34,474.5	10,204.0	1,549.6	16,749.1
Swamp white oak	676.9	469.4	103.5	63.8	0.0	40.1
Scarlet oak	43,601.2	30,517.5	4,411.3	2,422.3	571.0	5,679.1
Durand oak	462.0	262.2	150.3	0.0	0.0	49.5
Southern red oak	204,623.1	147,767.3	31,610.7	10,282.4	1,351.5	13,611.1
Cherrybark oak	105,663.1	80,048.6	15,424.2	5,262.1	434.6	4,493.7
Shingle oak	144.1	78.3	54.2	0.0	0.0	11.6
Bluejack oak	1,936.9	0.0	1,468.7	0.0	0.0	468.2
Turkey oak	1,298.7	0.0	1,014.7	0.0	0.0	284.0
Laurel oak	40,226.3	24,983.7	7,357.5	4,250.3	237.6	3,397.1
Overcup oak	61,657.1	41,949.4	8,275.7	4,677.1	359.7	6,395.1
Bur oak	753.4	482.4	178.9	0.0	0.0	92.1
Blackjack oak	23,299.3	0.0	14,885.1	0.0	0.0	8,414.3
Swamp chestnut oak	14,068.0	10,138.9	2,190.5	990.1	16.1	732.4
Chinkapin oak	11,202.6	5,913.5	3,365.9	1,076.8	11.7	834.6
Water oak	199,021.9	129,311.3	34,976.0	12,581.6	1,174.5	20,978.4
Nuttall oak	24,275.3	17,338.3	3,091.4	1,748.9	115.3	1,981.4
Pin oak	2,520.2	1,492.5	760.2	86.2	41.1	140.2
Willow oak	93,928.3	57,422.2	13,423.9	7,968.7	619.3	14,494.2
Chestnut oak	48,938.4	35,648.6	7,373.2	3,078.1	127.9	2,710.6
Northern red oak	55,637.6	39,127.9	6,643.0	3,072.7	377.0	6,417.0
Shumard oak	11,156.6	7,171.2	1,664.6	989.1	86.7	1,245.0
Post oak	197,800.1	121,471.7	46,072.4	12,014.8	1,256.4	16,984.7
Delta post oak	530.1	377.9	74.3	17.5	0.0	60.5
Black oak	87,503.1	57,350.2	10,701.8	6,598.9	1,120.4	11,731.9
Live oak	2,516.2	0.0	2,446.3	0.0	0.0	69.9
Black locust	6,912.4	2,470.0	1,805.7	603.1	150.8	1,882.7
Black willow	28,659.2	13,161.1	5,970.2	1,252.4	235.0	8,040.5
Sassafras	10,038.6	4,513.2	3,068.6	541.6	158.4	1,756.8
American basswood	4,600.6	2,974.5	745.0	580.1	0.0	300.9
White basswood	1,191.6	790.2	223.2	67.8	0.0	110.5
Winged elm	30,878.2	15,780.7	10,116.3	411.4	249.7	4,320.1
American elm	27,114.5	12,681.0	6,355.2	787.6	304.5	6,986.2
Cedar elm	4,520.4	2,725.8	1,079.4	256.8	65.6	392.7
Siberian elm	32.7	7.5	13.4	0.0	0.0	11.8
Slippery elm	6,750.2	3,620.2	1,555.1	218.1	86.9	1,269.9
September elm	123.4	67.9	33.6	0.0	0.0	21.9
Rock elm	66.2	30.8	20.4	0.0	7.3	7.6
Tree sparkleberry	1,254.5	0.0	1,062.2	0.0	0.0	192.3
Other species [‡]	7,425.6	0.0	3,481.0	0.0	0.0	3,944.6
All species	3,863,981.8	2,607,975.7	673,720.6	167,565.6	27,849.3	386,870.6

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 28.— *Wood and bark dry weight of trees on timberland by species and class of tree, Midsouth States*

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Atlantic white-cedar	1,186.9	945.8	0.0	0.0	27.0	214.1
Southern redcedar	73.3	51.7	21.6	0.0	0.0	0.0
Eastern redcedar	50,926.8	35,021.6	9,938.5	419.7	1,290.4	4,256.7
Shortleaf pine	644,769.3	548,066.3	24,464.6	417.7	8,928.0	62,892.7
Slash pine	161,989.5	139,255.1	6,389.5	53.7	2,650.9	13,640.3
Spruce pine	29,029.4	26,299.4	931.4	125.6	33.0	1,639.9
Longleaf pine	136,001.0	126,169.9	2,193.2	266.2	963.5	6,408.1
Table Mountain pine	713.1	713.1	0.0	0.0	0.0	0.0
Pitch pine	3,012.3	2,502.5	307.6	3.0	10.0	189.3
Pond pine	57.4	57.4	0.0	0.0	0.0	0.0
Eastern white pine	10,655.6	9,742.0	518.4	0.0	56.9	338.4
Loblolly pine	1,513,542.2	1,329,258.7	64,464.6	2,030.9	14,912.4	102,875.6
Virginia pine	105,698.9	86,444.3	6,426.7	269.2	1,055.0	11,503.7
Baldcypress	91,775.1	78,868.6	7,946.5	2,844.1	229.4	1,886.5
Eastern hemlock	8,441.7	7,705.9	566.3	26.8	0.0	142.7
Carolina hemlock	2.5	0.0	2.5	0.0	0.0	0.0
Florida maple	3,315.4	1,595.8	1,132.0	202.9	0.0	384.7
Boxelder	28,498.5	10,651.6	11,325.6	1,046.2	0.0	5,475.1
Black maple	616.8	138.5	293.3	0.0	0.0	184.9
Red maple	206,143.3	94,512.2	71,685.7	9,913.8	618.3	29,413.3
Silver maple	6,366.4	2,838.0	1,777.7	127.7	41.7	1,581.2
Sugar maple	62,958.6	42,280.3	14,372.4	3,121.2	0.0	3,184.7
Ohio buckeye	417.3	171.1	186.3	11.4	0.0	48.5
Yellow buckeye	2,000.5	1,460.5	360.4	89.0	0.0	90.5
Buckeyes, other	107.3	0.0	106.2	0.0	0.0	1.1
Ailanthus, tree-of-heaven	2,700.2	0.0	2,250.2	0.0	0.0	450.0
Serviceberry	1,527.9	0.0	1,406.5	0.0	0.0	121.4
Yellow birch	500.0	308.5	98.5	56.7	0.0	36.3
Sweet birch	4,728.5	3,517.7	534.0	120.7	24.8	531.4
River birch	23,199.2	13,919.5	4,523.4	751.6	217.8	3,786.9
Bumelia	753.5	0.0	633.8	0.0	0.0	119.8
Bluebeech,						
American hornbeam	77,288.3	0.0	55,798.4	0.0	0.0	21,489.9
Hickories	552,068.2	379,784.1	91,617.4	16,745.1	4,883.3	59,038.2
Water hickory	66,525.0	39,154.1	12,602.0	1,409.6	826.2	12,533.1
Pecan	22,914.6	16,457.2	4,571.8	278.7	0.0	1,607.0
Chinkapin	642.9	0.0	209.0	0.0	0.0	433.9
American chestnut	294.3	64.1	19.2	0.0	0.0	211.1
Allegheny chinkapin	795.1	13.0	88.5	0.0	32.9	660.7
Catalpa	630.5	30.2	226.2	138.3	0.0	235.7
Sugarberry	128,087.2	66,517.9	39,062.1	4,589.5	85.4	17,832.2
Hackberry	25,572.4	13,870.4	7,394.7	787.0	128.3	3,392.0
Eastern redbud	8,879.3	0.0	5,836.3	0.0	0.0	3,043.0
Flowering dogwood	117,421.2	42,340.2	52,343.7	1,315.2	164.2	21,257.9
American smoketree	156.5	0.0	156.5	0.0	0.0	0.0
Hawthorn	14,070.9	0.0	9,792.9	0.0	0.0	4,278.1
Common persimmon	37,426.8	16,654.4	11,342.0	497.6	131.0	8,801.8
American beech	118,991.8	56,695.5	27,823.8	23,731.8	226.3	10,514.4
White ash	72,080.5	43,829.9	18,949.1	2,143.7	566.3	6,591.5
Green ash	167,143.6	99,623.3	36,441.9	7,027.8	1,308.1	22,742.4
Pumpkin ash	94.1	52.4	41.7	0.0	0.0	0.0
Blue ash	980.2	634.9	244.8	23.5	0.0	77.0
Waterlocust	5,100.7	2,593.4	1,316.6	262.5	94.3	833.9
Honeylocust	17,239.1	7,398.8	4,759.1	656.0	306.5	4,118.6
Kentucky coffeetree	142.2	16.2	116.3	9.7	0.0	0.0
Silverbell	209.5	53.2	90.3	34.3	0.0	31.7
American holly	15,975.3	7,093.4	6,170.6	399.2	16.9	2,295.2
Butternut	1,054.0	412.5	323.5	33.4	32.9	251.7
Black walnut	18,572.2	10,186.2	5,010.6	792.4	223.7	2,359.4
Sweetgum	630,836.3	452,392.4	99,735.2	15,284.4	2,541.1	60,883.2
Yellow-poplar	166,102.9	142,389.6	13,125.6	3,760.0	305.4	6,522.3
Osage-orange	5,796.7	263.4	4,799.1	184.2	46.1	503.8
Cucumbertree	3,713.8	2,824.5	572.6	75.2	0.0	241.5
Southern magnolia	9,371.0	5,252.5	2,409.7	931.6	0.0	777.2

Table 28.— *Wood and bark dry weight of trees on timberland by species and class of tree, Midsouth States*—Continued*

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Bigleaf magnolia	2,363.6	0.0	2,154.9	0.0	0.0	208.7
Sweetbay	58,439.0	32,483.2	14,328.7	4,456.1	110.4	7,060.6
Apples	335.3	0.0	235.9	0.0	0.0	99.5
Chinaberry	684.7	0.0	491.6	0.0	0.0	193.1
White mulberry	521.5	0.0	298.6	0.0	0.0	222.9
Red mulberry	11,395.6	2,234.3	4,751.9	666.9	157.9	3,584.6
Water tupelo	103,053.0	71,399.5	16,536.1	4,172.8	324.6	10,620.0
Blackgum	198,627.1	123,855.9	47,311.5	11,051.7	406.1	16,001.9
Swamp tupelo	32,246.0	23,276.4	4,788.4	1,442.5	78.7	2,660.0
Eastern hophornbeam	38,502.9	0.0	32,519.0	0.0	0.0	5,983.9
Sourwood	60,019.7	0.0	51,688.2	0.0	0.0	8,331.5
Royal paulownia	651.8	0.0	651.8	0.0	0.0	0.0
Redbay	2,955.8	626.6	1,592.7	15.7	0.0	720.8
Water-elm	7,220.1	0.0	5,390.5	0.0	0.0	1,829.6
American sycamore	32,696.8	23,941.9	4,490.9	1,088.5	155.0	3,020.6
Eastern cottonwood	34,434.0	26,226.7	2,667.4	780.8	277.0	4,482.2
Black cherry	45,976.0	23,144.0	17,393.3	1,199.5	122.3	4,116.9
Plums, cherries [§]	4,737.3	0.0	3,359.4	0.0	0.0	1,378.0
White oak	587,531.2	460,988.6	71,609.1	14,213.0	3,105.8	37,614.8
Swamp white oak	1,218.0	878.7	183.1	91.4	0.0	64.9
Scarlet oak	94,628.7	66,724.1	9,682.8	3,846.0	1,223.1	13,152.6
Durand oak	933.4	517.2	319.7	0.0	0.0	96.5
Southern red oak	355,073.7	256,528.4	50,623.6	10,558.9	3,174.8	34,188.0
Cherrybark oak	156,761.5	122,503.2	19,711.0	4,824.8	836.9	8,885.6
Shingle oak	190.8	88.5	71.0	0.0	0.0	31.2
Bluejack oak	4,244.0	0.0	2,866.2	0.0	0.0	1,377.8
Turkey oak	2,955.3	0.0	2,101.1	0.0	0.0	854.2
Laurel oak	72,424.9	47,255.7	13,339.2	4,791.4	490.0	6,548.6
Overcup oak	110,483.4	76,732.9	15,461.0	5,871.5	633.6	11,784.4
Bur oak	1,583.4	1,032.2	336.3	0.0	0.0	214.8
Blackjack oak	78,454.1	0.0	50,623.1	0.0	0.0	27,831.0
Swamp chestnut oak	37,353.5	27,763.7	5,840.7	1,888.0	42.2	1,818.9
Chinkapin oak	23,330.8	12,787.2	7,076.7	1,569.4	26.3	1,871.3
Water oak	426,569.5	288,022.2	72,984.1	17,820.0	2,530.6	45,212.5
Nuttall oak	45,979.1	33,894.4	5,272.7	2,442.8	228.4	4,140.7
Pin oak	4,919.1	3,061.9	1,346.7	116.0	84.7	309.7
Willow oak	192,891.0	124,248.8	26,863.5	10,774.0	1,400.0	29,604.7
Chestnut oak	148,522.1	112,732.5	21,751.0	5,854.7	407.2	7,776.7
Northern red oak	138,735.8	98,140.0	17,263.4	5,336.6	887.5	17,108.3
Shumard oak	25,314.4	16,880.0	3,833.5	1,627.7	202.8	2,770.4
Post oak	403,051.4	249,269.4	96,569.8	18,061.1	2,457.2	36,693.9
Delta post oak	1,096.1	785.0	140.5	27.5	0.0	143.2
Black oak	213,266.1	144,209.7	25,485.1	10,059.5	2,740.1	30,771.8
Live oak	3,774.4	0.0	3,592.7	0.0	0.0	181.7
Black locust	20,123.7	7,331.8	5,367.0	1,605.3	396.1	5,423.5
Black willow	70,647.1	32,635.6	14,575.6	2,147.4	591.7	20,696.8
Sassafras	28,608.0	12,295.2	9,280.5	1,058.3	335.5	5,638.5
American basswood	6,853.4	4,382.2	1,128.7	697.1	0.0	645.4
White basswood	1,850.2	1,060.4	378.2	126.1	0.0	285.6
Winged elm	87,738.7	42,351.7	31,833.1	746.2	593.9	12,213.9
American elm	71,499.5	33,781.8	17,116.0	1,403.9	839.8	18,358.0
Cedar elm	12,191.7	7,339.8	3,068.4	426.8	195.0	1,161.6
Siberian elm	85.6	26.3	19.6	0.0	0.0	39.7
Slippery elm	17,974.7	9,750.5	4,216.4	390.0	218.7	3,399.1
September elm	305.7	157.2	90.4	0.0	0.0	58.1
Rock elm	194.3	86.5	65.7	0.0	22.8	19.2
Tree sparkleberry	4,658.3	0.0	3,953.7	0.0	0.0	704.6
Other species [‡]	18,400.2	0.0	6,923.0	0.0	0.0	11,477.1
All species	9,495,162.0	6,592,525.0	1,581,463.5	256,258.7	68,275.0	996,640.0

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 29.— *Wood and bark dry weight of stems in trees on timberland by species and class of tree, Midsouth States**

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Atlantic white-cedar	1,010.1	819.1	0.0	0.0	23.4	167.6
Southern redcedar	58.0	47.2	10.8	0.0	0.0	0.0
Eastern redcedar	44,113.1	30,248.6	8,615.1	336.4	1,093.9	3,819.0
Shortleaf pine	562,731.7	478,298.4	21,285.1	354.1	7,602.5	55,191.7
Slash pine	136,911.8	117,560.3	5,372.9	46.8	2,181.0	11,750.7
Spruce pine	24,446.1	22,121.1	805.6	101.4	22.4	1,395.5
Longleaf pine	112,834.8	104,607.5	1,842.6	203.7	789.8	5,391.2
Table Mountain pine	621.0	621.0	0.0	0.0	0.0	0.0
Pitch pine	2,612.3	2,168.7	257.3	0.1	8.9	177.3
Pond pine	49.8	49.8	0.0	0.0	0.0	0.0
Eastern white pine	9,142.7	8,338.6	452.8	0.0	50.5	300.8
Loblolly pine	1,280,839.7	1,123,579.4	54,948.0	1,628.4	12,178.5	88,505.3
Virginia pine	89,615.8	72,873.7	5,510.2	207.4	876.1	10,148.4
Baldcypress	81,452.3	70,327.6	7,023.6	2,246.0	199.3	1,655.9
Eastern hemlock	6,419.5	5,827.2	460.7	16.6	0.0	114.9
Carolina hemlock	2.5	0.0	2.5	0.0	0.0	0.0
Florida maple	2,621.1	1,255.7	938.4	142.8	0.0	284.2
Boxelder	21,805.0	8,035.7	8,893.3	701.3	0.0	4,174.7
Black maple	453.8	99.7	208.2	0.0	0.0	145.8
Red maple	162,479.4	73,442.3	58,542.7	6,808.7	458.4	23,227.2
Silver maple	4,883.2	2,163.2	1,389.2	94.5	28.4	1,207.9
Sugar maple	46,831.4	31,671.5	10,861.4	1,838.4	0.0	2,460.1
Ohio buckeye	360.0	146.4	159.4	9.6	0.0	44.6
Yellow buckeye	1,658.3	1,218.8	299.8	63.3	0.0	76.4
Buckeyes, other	97.3	0.0	96.3	0.0	0.0	1.0
Ailanthus, tree-of-heaven	2,173.1	0.0	1,814.5	0.0	0.0	358.6
Serviceberry	1,353.0	0.0	1,241.3	0.0	0.0	111.7
Yellow birch	373.1	235.5	67.6	36.5	0.0	33.4
Sweet birch	3,415.7	2,498.9	389.4	71.3	17.6	438.5
River birch	16,674.6	9,883.1	3,242.0	457.3	181.5	2,910.7
Bumelia	630.5	0.0	534.3	0.0	0.0	96.2
Bluebeech,						
American hornbeam	62,230.1	0.0	45,150.7	0.0	0.0	17,079.3
Hickories	426,598.7	291,717.2	73,363.4	11,178.5	3,548.5	46,791.2
Water hickory	49,085.9	28,434.3	9,783.2	892.0	610.2	9,366.2
Pecan	16,179.5	11,515.3	3,243.1	178.1	0.0	1,243.0
Chinkapin	538.5	0.0	182.2	0.0	0.0	356.3
American chestnut	242.5	54.3	11.6	0.0	0.0	176.6
Allegheny chinkapin	687.3	12.0	75.4	0.0	25.5	574.4
Catalpa	518.4	25.0	195.9	107.2	0.0	190.2
Sugarberry	93,206.0	48,209.9	29,114.4	2,754.6	59.6	13,067.4
Hackberry	18,848.4	10,146.2	5,541.2	483.4	89.3	2,588.1
Eastern redbud	7,712.2	0.0	5,065.6	0.0	0.0	2,646.7
Flowering dogwood	102,048.2	36,683.1	45,784.7	951.7	109.2	18,519.4
American smoketree	127.9	0.0	127.9	0.0	0.0	0.0
Hawthorn	12,533.7	0.0	8,698.4	0.0	0.0	3,835.2
Common persimmon	30,330.1	12,890.1	9,665.8	375.3	83.0	7,315.8
American beech	78,411.2	39,511.3	19,089.2	12,786.5	147.5	6,876.7
White ash	52,613.1	31,076.0	14,392.0	1,295.7	432.9	5,416.4
Green ash	121,206.1	69,977.6	27,363.9	4,395.4	981.8	18,487.2
Pumpkin ash	77.6	40.0	37.6	0.0	0.0	0.0
Blue ash	734.2	479.7	169.9	13.7	0.0	70.9
Waterlocust	3,770.1	1,889.2	1,021.7	174.2	69.8	615.1
Honeylocust	12,500.2	5,340.1	3,529.7	371.2	218.6	3,040.7
Kentucky coffeetree	115.9	13.5	96.5	6.0	0.0	0.0
Silverbell	166.3	42.2	73.3	24.7	0.0	26.2
American holly	13,436.7	5,902.8	5,283.0	295.8	9.3	1,945.9
Butternut	792.0	301.1	259.7	23.2	25.3	182.6
Black walnut	13,652.5	7,538.1	3,698.8	485.2	161.4	1,769.1
Sweetgum	518,032.6	370,772.2	83,039.4	11,059.7	2,036.0	51,125.3
Yellow-poplar	139,463.8	119,868.0	10,973.2	2,808.7	253.8	5,560.0
Osage-orange	4,521.8	196.4	3,813.4	103.6	30.1	378.2
Cucumbertree	3,124.2	2,389.4	485.1	54.4	0.0	195.3
Southern magnolia	7,547.4	4,291.8	1,967.6	660.1	0.0	627.8

Table 29.— Wood and bark dry weight of stems in trees on timberland by species and class of tree, Midsouth States*—Continued

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	-----Million pounds-----					
Bigleaf magnolia	1,957.3	0.0	1,775.1	0.0	0.0	182.2
Sweetbay	47,658.6	26,501.0	11,935.4	3,294.5	86.1	5,841.4
Apples	306.3	0.0	214.8	0.0	0.0	91.5
Chinaberry	548.6	0.0	392.8	0.0	0.0	155.9
White mulberry	433.7	0.0	246.2	0.0	0.0	187.5
Red mulberry	9,449.8	1,851.5	3,970.8	469.7	125.1	3,032.6
Water tupelo	82,811.6	57,742.3	13,485.8	2,911.7	254.0	8,417.7
Blackgum	150,979.7	93,301.3	37,090.5	7,328.5	302.6	12,956.8
Swamp tupelo	25,882.1	18,733.7	3,898.6	1,040.4	64.6	2,144.8
Eastern hophornbeam	32,020.7	0.0	27,018.6	0.0	0.0	5,002.2
Sourwood	48,854.2	0.0	41,639.3	0.0	0.0	7,214.8
Royal paulownia	514.0	0.0	514.0	0.0	0.0	0.0
Redbay	2,574.3	530.9	1,392.9	4.8	0.0	645.6
Water-elm	5,964.2	0.0	4,450.8	0.0	0.0	1,513.4
American sycamore	26,908.7	19,623.6	3,733.9	940.4	124.9	2,486.0
Eastern cottonwood	26,994.9	20,533.7	2,057.3	542.7	224.0	3,617.3
Black cherry	35,753.3	17,741.6	13,847.4	741.7	81.8	3,340.8
Plums, cherries [§]	4,168.3	0.0	2,970.0	0.0	0.0	1,198.3
White oak	422,948.0	331,995.4	52,095.3	8,042.5	2,163.7	28,651.2
Swamp white oak	805.7	592.8	120.0	52.5	0.0	40.4
Scarlet oak	68,617.4	48,406.1	7,066.2	2,382.4	876.1	9,886.5
Durand oak	659.3	358.4	234.7	0.0	0.0	66.2
Southern red oak	260,958.5	190,025.1	36,777.4	5,805.1	2,335.8	26,015.0
Cherrybark oak	104,589.2	83,146.2	12,387.4	2,301.0	569.2	6,185.4
Shingle oak	131.6	59.1	48.4	0.0	0.0	24.0
Bluejack oak	3,436.8	0.0	2,338.7	0.0	0.0	1,098.1
Turkey oak	2,421.4	0.0	1,734.9	0.0	0.0	686.5
Laurel oak	50,115.4	33,231.6	9,371.8	2,422.7	351.3	4,738.1
Overcup oak	73,563.6	51,461.9	10,612.7	3,049.5	414.6	8,024.9
Bur oak	1,131.1	740.6	227.7	0.0	0.0	162.8
Blackjack oak	66,000.6	0.0	42,797.6	0.0	0.0	23,203.0
Swamp chestnut oak	28,848.3	21,579.6	4,577.7	1,274.3	32.2	1,384.5
Chinkapin oak	16,801.8	9,299.8	5,159.4	915.7	19.3	1,407.6
Water oak	313,810.4	213,244.7	54,123.2	10,524.8	1,828.9	34,088.9
Nuttall oak	31,780.7	23,680.3	3,491.2	1,428.4	159.9	3,020.8
Pin oak	3,446.5	2,190.6	901.9	65.3	60.2	228.4
Willow oak	138,924.3	90,648.5	19,482.6	6,132.6	1,028.9	21,631.7
Chestnut oak	119,566.4	91,482.7	17,454.9	3,959.4	329.0	6,340.3
Northern red oak	105,784.3	74,918.6	13,344.0	3,500.3	661.2	13,360.1
Shumard oak	18,778.3	12,656.5	2,884.3	1,036.1	150.7	2,050.7
Post oak	289,643.9	177,551.2	71,397.7	10,605.6	1,685.7	28,403.8
Delta post oak	781.9	556.7	95.5	16.5	0.0	113.1
Black oak	161,611.6	110,266.2	19,208.4	6,167.4	2,075.4	23,894.1
Live oak	2,418.1	0.0	2,271.5	0.0	0.0	146.7
Black locust	17,077.4	5,792.9	4,445.3	1,208.3	386.3	5,244.5
Black willow	56,338.2	26,016.5	11,602.0	1,511.9	474.3	16,733.5
Sassafras	24,032.1	10,142.6	7,949.9	782.3	253.7	4,903.6
American basswood	5,432.9	3,498.0	924.6	501.1	0.0	509.2
White basswood	1,472.1	833.4	301.0	94.9	0.0	242.8
Winged elm	73,458.1	34,727.4	27,557.1	535.8	465.3	10,172.5
American elm	58,106.6	27,408.2	14,073.7	1,004.8	686.7	14,933.2
Cedar elm	9,935.7	5,960.6	2,547.3	296.3	162.3	969.2
Siberian elm	68.7	22.6	12.5	0.0	0.0	33.6
Slippery elm	14,662.4	7,938.2	3,489.1	279.2	174.8	2,781.1
September elm	244.0	122.0	74.9	0.0	0.0	47.2
Rock elm	162.0	70.9	56.8	0.0	19.2	15.2
Tree sparkleberry	4,207.9	0.0	3,574.9	0.0	0.0	633.0
Other species [‡]	14,863.1	0.0	5,129.1	0.0	0.0	9,734.0
All species	7,481,139.4	5,214,661.6	1,249,140.0	160,014.4	53,232.1	804,091.3

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 30.— *Wood and bark dry weight of crowns in trees on timberland by species and class of tree, Midsouth States**

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Atlantic white-cedar	176.8	126.8	0.0	0.0	3.6	46.5
Southern redcedar	15.3	4.4	10.8	0.0	0.0	0.0
Eastern redcedar	6,813.7	4,772.9	1,323.4	83.3	196.5	437.6
Shortleaf pine	82,037.5	69,767.9	3,179.5	63.6	1,325.5	7,701.0
Slash pine	25,077.7	21,694.7	1,016.6	6.9	469.9	1,889.6
Spruce pine	4,583.3	4,178.3	125.8	24.2	10.6	244.4
Longleaf pine	23,166.2	21,562.4	350.6	62.6	173.7	1,017.0
Table Mountain pine	92.1	92.1	0.0	0.0	0.0	0.0
Pitch pine	400.0	333.8	50.3	2.9	1.1	11.9
Pond pine	7.7	7.7	0.0	0.0	0.0	0.0
Eastern white pine	1,512.9	1,403.4	65.5	0.0	6.4	37.6
Loblolly pine	232,703.0	205,679.6	9,516.7	402.5	2,733.9	14,370.3
Virginia pine	16,083.2	13,570.6	916.5	61.9	178.9	1,355.3
Baldcypress	10,322.8	8,541.0	923.0	598.1	30.1	230.5
Eastern hemlock	2,022.2	1,878.6	105.6	10.2	0.0	27.7
Carolina hemlock	0.0	0.0	0.0	0.0	0.0	0.0
Florida maple	694.3	340.1	193.6	60.1	0.0	100.5
Boxelder	6,693.5	2,615.9	2,432.3	344.9	0.0	1,300.4
Black maple	163.0	38.8	85.1	0.0	0.0	39.1
Red maple	43,663.6	21,069.8	13,142.7	3,105.1	159.9	6,186.1
Silver maple	1,483.2	674.8	388.5	33.2	13.4	373.3
Sugar maple	16,127.2	10,608.7	3,511.0	1,282.8	0.0	724.6
Ohio buckeye	57.3	24.7	26.9	1.8	0.0	3.9
Yellow buckeye	342.2	241.7	60.6	25.8	0.0	14.1
Buckeyes, other	10.0	0.0	9.9	0.0	0.0	0.1
Ailanthus, tree-of-heaven	527.1	0.0	435.7	0.0	0.0	91.4
Serviceberry	174.9	0.0	165.2	0.0	0.0	9.7
Yellow birch	126.9	72.9	30.9	20.2	0.0	2.9
Sweet birch	1,312.8	1,018.8	144.6	49.4	7.2	92.9
River birch	6,524.6	4,036.4	1,281.4	294.2	36.3	876.2
Bumelia	123.1	0.0	99.5	0.0	0.0	23.5
Bluebeech,						
American hornbeam	15,058.2	0.0	10,647.6	0.0	0.0	4,410.6
Hickories	125,469.5	88,066.9	18,254.1	5,566.6	1,334.9	12,247.0
Water hickory	17,439.1	10,719.7	2,818.8	517.6	216.1	3,166.9
Pecan	6,735.1	4,941.9	1,328.7	100.6	0.0	364.0
Chinkapin	104.4	0.0	26.8	0.0	0.0	77.6
American chestnut	51.8	9.8	7.5	0.0	0.0	34.5
Allegheny chinkapin	107.8	1.0	13.1	0.0	7.4	86.3
Catalpa	112.1	5.2	30.3	31.1	0.0	45.5
Sugarberry	34,881.2	18,308.0	9,947.7	1,834.9	25.8	4,764.9
Hackberry	6,724.0	3,724.1	1,853.5	303.5	39.0	803.9
Eastern redbud	1,167.1	0.0	770.8	0.0	0.0	396.3
Flowering dogwood	15,372.9	5,657.1	6,558.9	363.4	55.0	2,738.5
American smoketree	28.6	0.0	28.6	0.0	0.0	0.0
Hawthorn	1,537.2	0.0	1,094.4	0.0	0.0	442.8
Common persimmon	7,096.7	3,764.3	1,676.1	122.3	47.9	1,486.0
American beech	40,580.7	17,184.1	8,734.6	10,945.3	78.9	3,637.7
White ash	19,467.4	12,753.9	4,557.1	848.0	133.3	1,175.1
Green ash	45,937.6	29,645.7	9,078.0	2,632.4	326.3	4,255.2
Pumpkin ash	16.5	12.4	4.1	0.0	0.0	0.0
Blue ash	246.0	155.2	74.9	9.7	0.0	6.2
Waterlocust	1,330.6	704.2	294.9	88.3	24.5	218.7
Honeylocust	4,739.0	2,058.8	1,229.5	284.8	88.0	1,077.9
Kentucky coffeetree	26.3	2.7	19.8	3.8	0.0	0.0
Silverbell	43.2	11.0	17.0	9.6	0.0	5.5
American holly	2,538.7	1,190.6	887.7	103.4	7.6	349.4
Butternut	262.0	111.4	63.8	10.2	7.6	69.1
Black walnut	4,919.7	2,648.1	1,311.7	307.2	62.3	590.4
Sweetgum	112,804.1	81,620.2	16,696.0	4,224.7	505.1	9,758.1
Yellow-poplar	26,639.2	22,521.6	2,152.5	951.3	51.6	962.3
Osage-orange	1,274.9	67.0	985.7	80.6	15.9	125.6
Cucumbertree	589.6	435.1	87.6	20.8	0.0	46.2
Southern magnolia	1,823.6	960.7	442.1	271.5	0.0	149.3

Table 30.— *Wood and bark dry weight of crowns in trees on timberland by species and class of tree, Midsouth States*—Continued*

Species common name [†]	Tree class					
	All classes	Growing stock	Rough cull	Rotten cull	Salvable dead	Nonsalvable dead
	<i>Million pounds</i>					
Bigleaf magnolia	406.3	0.0	379.8	0.0	0.0	26.5
Sweetbay	10,780.4	5,982.2	2,393.2	1,161.6	24.2	1,219.2
Apples	29.0	0.0	21.1	0.0	0.0	8.0
Chinaberry	136.1	0.0	98.8	0.0	0.0	37.2
White mulberry	87.8	0.0	52.4	0.0	0.0	35.4
Red mulberry	1,945.8	382.8	781.1	197.1	32.8	552.0
Water tupelo	20,241.4	13,657.1	3,050.3	1,261.1	70.6	2,202.3
Blackgum	47,647.4	30,554.6	10,221.0	3,723.2	103.5	3,045.1
Swamp tupelo	6,364.0	4,542.7	889.8	402.2	14.1	515.2
Eastern hophornbeam	6,482.2	0.0	5,500.4	0.0	0.0	981.8
Sourwood	11,165.5	0.0	10,048.8	0.0	0.0	1,116.6
Royal paulownia	137.7	0.0	137.7	0.0	0.0	0.0
Redbay	381.6	95.7	199.8	10.9	0.0	75.2
Water-elm	1,255.9	0.0	939.7	0.0	0.0	316.2
American sycamore	5,788.0	4,318.3	757.0	148.1	30.1	534.6
Eastern cottonwood	7,439.0	5,673.0	610.2	238.1	53.0	864.8
Black cherry	10,222.6	5,402.4	3,545.9	457.8	40.5	776.1
Plums, cherries [§]	569.0	0.0	389.4	0.0	0.0	179.7
White oak	164,583.2	128,993.2	19,513.8	6,170.5	942.1	8,963.5
Swamp white oak	412.3	285.8	63.1	38.9	0.0	24.5
Scarlet oak	26,011.3	18,318.0	2,616.6	1,463.6	347.0	3,266.1
Durand oak	274.2	158.8	85.0	0.0	0.0	30.3
Southern red oak	94,115.2	66,503.3	13,846.2	4,753.8	839.0	8,173.0
Cherrybark oak	52,172.3	39,357.0	7,323.6	2,523.9	267.7	2,700.2
Shingle oak	59.2	29.4	22.6	0.0	0.0	7.2
Bluejack oak	807.2	0.0	527.5	0.0	0.0	279.6
Turkey oak	533.9	0.0	366.2	0.0	0.0	167.6
Laurel oak	22,309.5	14,024.1	3,967.4	2,368.7	138.7	1,810.6
Overcup oak	36,919.8	25,271.0	4,848.3	2,821.9	219.0	3,759.5
Bur oak	452.3	291.6	108.6	0.0	0.0	52.0
Blackjack oak	12,453.5	0.0	7,825.5	0.0	0.0	4,628.0
Swamp chestnut oak	8,505.2	6,184.1	1,263.0	613.7	10.0	434.4
Chinkapin oak	6,529.0	3,487.4	1,917.2	653.6	7.1	463.7
Water oak	112,759.1	74,777.5	18,860.9	7,295.2	701.7	11,123.6
Nuttall oak	14,198.5	10,214.1	1,781.5	1,014.5	68.5	1,119.9
Pin oak	1,472.6	871.3	444.8	50.7	24.5	81.3
Willow oak	53,966.8	33,600.3	7,381.0	4,641.4	371.0	7,973.1
Chestnut oak	28,955.7	21,249.7	4,296.1	1,895.4	78.1	1,436.4
Northern red oak	32,951.5	23,221.4	3,919.4	1,836.3	226.3	3,748.1
Shumard oak	6,536.2	4,223.6	949.2	591.6	52.1	719.7
Post oak	113,407.5	71,718.3	25,172.1	7,455.5	771.5	8,290.1
Delta post oak	314.3	228.2	45.0	11.0	0.0	30.1
Black oak	51,654.4	33,943.5	6,276.6	3,892.1	664.7	6,877.6
Live oak	1,356.2	0.0	1,321.2	0.0	0.0	35.0
Black locust	3,046.3	1,538.9	921.7	397.0	9.8	179.0
Black willow	14,308.9	6,619.1	2,973.6	635.5	117.3	3,963.3
Sassafras	4,576.0	2,152.5	1,330.7	276.1	81.8	734.9
American basswood	1,420.5	884.2	204.1	196.1	0.0	136.2
White basswood	378.1	226.9	77.2	31.3	0.0	42.7
Winged elm	14,280.7	7,624.3	4,276.2	210.4	128.6	2,041.3
American elm	13,393.0	6,373.7	3,042.3	399.1	153.0	3,424.9
Cedar elm	2,256.0	1,379.2	521.2	130.4	32.8	192.4
Siberian elm	16.8	3.7	7.1	0.0	0.0	6.0
Slippery elm	3,312.4	1,812.2	727.3	110.9	43.9	618.0
September elm	61.6	35.2	15.6	0.0	0.0	10.9
Rock elm	32.2	15.7	8.9	0.0	3.7	4.0
Tree sparkleberry	450.4	0.0	378.9	0.0	0.0	71.5
Other species [‡]	3,537.1	0.0	1,794.0	0.0	0.0	1,743.2
All species	2,014,023.4	1,377,863.7	332,323.7	96,244.3	15,042.9	192,548.9

*Numbers in columns and rows may not total due to rounding.

†Alphabetized by genus, see species list, appendix 2.

‡Other species includes noncommercial and unidentified species.

§Except black cherry.

Table 31.— Wood and bark fresh weight of live trees on timberland by species and diameter class, Midsouth States*

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
	-----Million pounds-----						
Atlantic white-cedar	1,949.2	0.0	847.6	941.1	160.4	0.0	0.0
Southern redcedar	144.9	40.1	42.6	62.2	0.0	0.0	0.0
Eastern redcedar	90,606.7	28,792.3	40,782.3	16,687.8	3,628.3	464.7	251.4
Shortleaf pine	1,176,116.6	84,965.3	365,507.7	508,753.6	188,510.0	25,863.6	2,516.3
Slash pine	271,322.1	29,077.3	120,418.3	91,305.5	25,841.3	4,402.0	277.7
Spruce pine	50,244.2	1,369.3	7,750.5	15,005.3	16,060.5	7,542.1	2,516.5
Longleaf pine	238,427.4	12,311.4	62,496.9	104,419.2	52,156.9	6,436.6	606.4
Table Mountain pine	1,458.6	127.6	684.4	530.4	116.2	0.0	0.0
Pitch pine	5,774.9	112.0	2,099.9	2,272.8	1,123.9	114.8	51.5
Pond pine	106.2	0.0	0.0	106.2	0.0	0.0	0.0
Eastern white pine	23,355.6	1,983.3	3,528.7	5,699.7	6,122.7	3,925.2	2,096.0
Loblolly pine	2,810,025.8	240,137.4	726,999.2	901,381.4	628,013.7	241,172.2	72,321.8
Virginia pine	190,713.2	19,815.5	89,562.8	69,996.5	10,853.9	424.0	60.5
Baldcypress	160,256.9	4,737.8	26,338.4	49,969.6	42,763.2	20,786.4	15,661.4
Eastern hemlock	17,375.5	2,620.1	3,732.7	4,894.4	3,319.6	1,912.2	896.6
Carolina hemlock	4.5	4.5	0.0	0.0	0.0	0.0	0.0
Florida maple	5,206.6	1,877.8	1,138.1	1,316.6	687.9	186.2	0.0
Boxelder	41,084.8	5,529.6	13,878.2	13,980.3	6,467.9	1,122.3	106.4
Black maple	748.7	197.4	98.1	167.5	154.0	0.0	131.9
Red maple	313,713.7	103,208.8	105,292.1	64,069.8	27,617.9	9,361.3	4,163.9
Silver maple	8,325.0	842.5	1,187.4	2,482.4	1,973.0	1,103.9	735.9
Sugar maple	102,153.0	18,390.5	26,576.9	29,441.0	16,964.3	5,678.0	5,102.4
Ohio buckeye	761.1	74.7	245.4	312.1	129.0	0.0	0.0
Yellow buckeye	3,884.7	229.4	854.2	1,286.4	590.0	476.7	448.0
Buckeyes, other	231.5	221.1	10.3	0.0	0.0	0.0	0.0
Ailanthus, tree-of-heaven	4,282.0	768.0	2,197.3	1,162.9	111.4	42.4	0.0
Serviceberry	2,589.3	2,183.4	382.9	23.0	0.0	0.0	0.0
Yellow birch	790.0	239.1	112.8	163.7	0.0	120.4	153.9
Sweet birch	7,070.9	1,286.1	3,986.7	1,296.5	295.6	40.0	165.9
River birch	32,491.6	2,626.1	8,320.2	10,512.0	6,982.1	2,811.4	1,239.8
Bumelia	1,183.5	659.4	417.7	56.2	50.2	0.0	0.0
Bluebeech,							
American hornbeam	96,483.7	50,024.3	37,904.6	7,858.9	627.4	68.5	0.0
Hickories	774,501.5	126,467.6	226,370.7	244,069.4	123,565.2	38,568.3	15,460.4
Water hickory	84,827.2	7,731.9	14,241.6	20,274.0	18,587.6	11,785.8	12,206.3
Pecan	34,135.4	1,269.0	4,387.7	5,886.0	6,703.0	5,987.3	9,902.4
Chinkapin	383.4	306.9	76.6	0.0	0.0	0.0	0.0
American chestnut	144.1	70.4	73.7	0.0	0.0	0.0	0.0
Allegheny chinkapin	178.8	148.5	30.3	0.0	0.0	0.0	0.0
Catalpa	750.8	335.7	166.9	105.6	78.5	64.1	0.0
Sugarberry	188,202.0	19,916.2	42,807.0	53,369.6	45,133.0	19,280.7	7,695.4
Hackberry	37,671.1	4,482.6	9,950.1	10,900.7	8,432.5	2,437.2	1,468.0
Eastern redbud	10,814.9	7,942.8	2,624.2	165.6	31.4	50.9	0.0
Flowering dogwood	167,568.4	139,975.9	26,997.9	542.9	51.8	0.0	0.0
American smoketree	298.7	6.7	136.6	155.5	0.0	0.0	0.0
Hawthorn	17,193.5	15,346.4	1,760.7	86.3	0.0	0.0	0.0
Common persimmon	49,174.1	24,024.0	17,243.5	6,116.0	1,790.5	0.0	0.0
American beech	185,744.6	8,118.3	16,353.6	32,324.4	45,332.4	44,975.6	38,640.4
White ash	92,193.5	19,832.8	24,388.9	25,934.3	14,742.0	5,141.7	2,153.8
Green ash	200,826.3	32,822.5	51,765.8	54,707.3	38,260.4	15,254.3	8,015.9
Pumpkin ash	149.2	95.2	4.1	50.0	0.0	0.0	0.0
Blue ash	1,312.5	412.4	535.6	215.4	113.0	36.1	0.0
Waterlocust	7,118.7	845.1	2,251.1	1,928.7	1,331.9	503.1	258.8
Honeylocust	21,884.1	1,875.2	5,879.8	7,156.5	3,118.9	1,879.1	1,974.5
Kentucky coffeetree	273.0	66.4	139.0	67.5	0.0	0.0	0.0
Silverbell	340.8	55.8	136.0	28.1	81.5	39.3	0.0
American holly	25,592.3	12,646.3	8,802.4	3,224.5	804.7	44.7	69.7
Butternut	1,311.6	249.0	259.4	464.9	338.3	0.0	0.0
Black walnut	27,213.1	2,106.3	7,775.2	9,882.6	5,095.1	1,766.9	587.0
Sweetgum	1,185,047.8	200,244.7	384,443.1	328,350.9	176,947.8	66,182.1	28,879.2
Yellow-poplar	323,604.0	16,234.6	54,071.1	102,635.6	92,676.5	38,253.1	19,733.2
Osage-orange	9,052.6	3,800.9	2,932.7	1,550.5	228.4	239.5	300.7
Cucumbertree	7,145.3	918.9	2,364.5	2,346.6	1,194.8	248.0	72.7
Southern magnolia	16,707.5	1,798.1	2,775.2	5,022.1	3,793.2	1,518.2	1,800.7

Table 31.— Wood and bark fresh weight of live trees on timberland by species and diameter class, Midsouth States*—Continued

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
	-----Million pounds-----						
Bigleaf magnolia	4,058.2	1,748.8	1,706.4	399.0	204.0	0.0	0.0
Sweetbay	98,325.0	16,770.3	32,329.2	29,746.8	14,727.7	3,693.4	1,057.5
Apples	414.6	395.8	18.8	0.0	0.0	0.0	0.0
Chinaberry	932.8	189.6	420.5	322.7	0.0	0.0	0.0
White mulberry	564.2	160.4	305.9	97.9	0.0	0.0	0.0
Red mulberry	14,413.3	5,551.9	5,538.8	2,455.1	867.5	0.0	0.0
Water tupelo	179,167.1	7,840.0	36,408.1	75,690.6	37,709.7	11,620.8	9,898.0
Blackgum	350,588.9	63,392.6	112,422.7	102,127.9	51,611.3	15,111.5	5,922.9
Swamp tupelo	57,223.0	4,716.0	15,082.6	18,178.5	12,273.3	4,662.0	2,310.8
Eastern hophornbeam	56,529.3	37,413.1	17,364.0	1,592.7	101.8	57.7	0.0
Sourwood	89,269.9	48,918.5	35,530.4	4,408.3	412.7	0.0	0.0
Royal paulownia	1,177.6	171.4	496.1	214.9	174.9	120.2	0.0
Redbay	4,162.4	2,705.7	1,001.9	340.0	114.8	0.0	0.0
Water-elm	10,166.6	3,839.9	3,556.8	1,716.0	639.7	275.1	138.5
American sycamore	64,722.2	2,280.0	11,019.7	17,585.7	15,339.6	10,620.9	7,876.3
Eastern cottonwood	59,181.8	1,178.5	5,689.3	9,501.0	12,283.9	11,642.3	18,886.8
Black cherry	71,655.6	24,001.5	25,095.6	12,494.9	7,029.6	2,320.7	713.4
Plums, cherries [§]	5,889.5	5,093.6	743.6	52.3	0.0	0.0	0.0
White oak	917,136.8	86,052.2	223,844.3	281,917.9	203,515.8	86,122.7	35,683.9
Swamp white oak	1,947.2	4.8	299.2	156.1	594.9	800.3	92.0
Scarlet oak	139,999.7	5,623.8	34,726.3	53,441.3	32,469.2	9,766.7	3,972.3
Durand oak	1,408.8	133.9	122.7	478.6	350.5	159.8	163.2
Southern red oak	720,516.9	37,930.4	199,716.6	228,842.3	154,422.5	67,350.4	32,254.7
Cherrybark oak	315,526.7	8,237.6	46,567.0	65,906.1	74,086.3	56,277.3	64,452.4
Shingle oak	403.7	0.0	139.3	102.7	161.7	0.0	0.0
Bluejack oak	6,763.8	2,051.6	2,923.4	1,483.9	304.8	0.0	0.0
Turkey oak	4,899.0	1,644.7	2,305.2	638.2	310.9	0.0	0.0
Laurel oak	118,863.8	12,178.8	22,139.2	25,565.4	25,634.6	16,664.3	16,681.4
Overcup oak	165,871.4	6,854.4	20,247.5	28,359.4	40,106.1	33,781.3	36,522.8
Bur oak	2,300.6	35.8	435.9	914.4	436.2	271.9	206.4
Blackjack oak	83,224.2	23,183.6	28,901.7	20,372.6	8,884.0	1,789.5	92.8
Swamp chestnut oak	58,974.1	2,713.3	6,818.2	11,966.0	12,927.9	13,110.4	11,438.3
Chinkapin oak	35,963.4	4,017.2	8,877.4	11,578.6	6,287.9	2,570.0	2,632.4
Water oak	675,565.2	65,817.5	139,275.8	165,288.2	134,876.1	85,847.0	84,460.6
Nuttall oak	75,836.4	1,039.1	6,422.1	13,420.4	16,683.2	16,612.0	21,659.6
Pin oak	8,222.2	290.1	379.6	1,453.0	2,644.6	1,436.3	2,018.5
Willow oak	290,360.3	18,307.7	43,927.8	67,419.0	69,624.6	46,228.2	44,852.9
Chestnut oak	232,150.1	14,652.1	50,547.6	75,174.8	53,770.5	24,621.0	13,384.2
Northern red oak	212,808.2	11,844.8	43,794.1	69,119.5	53,142.4	22,852.0	12,055.4
Shumard oak	39,359.9	1,963.7	4,737.0	9,016.6	9,453.5	6,703.7	7,485.4
Post oak	591,476.2	70,152.8	186,088.4	197,991.0	93,112.2	30,896.8	13,235.0
Delta post oak	1,553.6	81.7	281.3	424.3	561.2	205.0	0.0
Black oak	315,790.3	18,582.4	64,207.4	104,155.6	84,577.7	31,996.1	12,271.0
Live oak	6,774.2	621.7	672.9	866.8	922.6	1,436.9	2,253.2
Black locust	22,057.4	4,786.2	8,780.8	5,176.7	2,485.6	761.0	67.1
Black willow	96,991.5	5,357.8	14,172.7	19,937.1	23,973.8	19,083.2	14,466.9
Sassafras	42,739.0	17,387.1	13,756.0	7,557.4	3,024.6	843.1	170.8
American basswood	13,086.5	1,412.2	2,455.1	4,769.5	3,243.2	932.6	273.9
White basswood	3,222.1	253.0	783.8	723.0	685.6	321.3	455.5
Winged elm	141,168.6	59,909.7	47,101.5	24,466.5	7,246.5	2,109.1	335.3
American elm	101,104.8	13,918.7	25,032.1	29,049.1	19,198.4	9,127.6	4,778.8
Cedar elm	21,049.6	1,868.3	3,963.3	6,696.4	5,090.9	2,420.0	1,010.6
Siberian elm	87.1	5.6	36.7	44.8	0.0	0.0	0.0
Slippery elm	27,614.6	4,841.2	7,967.5	7,760.6	3,918.8	2,082.2	1,044.3
September elm	471.9	76.8	237.3	98.8	0.0	59.0	0.0
Rock elm	293.1	62.9	52.0	128.8	0.0	49.4	0.0
Tree sparkleberry	7,197.7	6,570.9	473.6	153.2	0.0	0.0	0.0
Other species [‡]	13,090.4	1,167.7	9,912.4	1,543.2	354.9	112.1	0.0
All species	15,712,556.7	2,002,600.0	4,142,993.6	4,644,799.9	2,932,328.6	1,243,835.7	745,998.9

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 32.— *Wood and bark fresh weight of stems in live trees on timberland by species and diameter class, Midsouth States**

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0—4.9	5.0—9.9	10.0—14.9	15.0—19.9	20.0—24.9	25.0 & larger
	<i>Million pounds</i>						
Atlantic white-cedar	1,665.0	0.0	695.9	832.2	136.9	0.0	0.0
Southern redcedar	110.3	35.9	19.2	55.2	0.0	0.0	0.0
Eastern redcedar	75,992.0	25,958.3	31,649.8	14,699.1	3,099.1	386.6	199.2
Shortleaf pine	1,011,268.2	76,718.3	299,489.0	449,371.4	161,902.6	21,634.2	2,052.6
Slash pine	225,152.8	27,012.3	94,389.1	78,475.8	21,505.7	3,549.7	220.1
Spruce pine	41,674.3	1,271.6	6,194.4	12,844.5	13,319.3	6,074.0	1,970.5
Longleaf pine	194,355.7	11,138.6	49,320.4	86,687.8	41,787.1	4,988.0	433.8
Table Mountain pine	1,249.5	115.7	564.7	469.7	99.4	0.0	0.0
Pitch pine	4,913.0	101.1	1,703.6	2,005.0	965.5	95.9	41.9
Pond pine	90.9	0.0	0.0	90.9	0.0	0.0	0.0
Eastern white pine	17,254.7	1,681.6	1,362.4	4,078.4	4,985.4	3,327.6	1,819.3
Loblolly pine	2,352,917.1	214,899.3	559,154.4	779,029.5	536,459.7	203,256.4	60,117.8
Virginia pine	155,777.7	17,180.2	72,172.5	57,590.6	8,479.7	311.1	43.5
Baldcypress	142,271.9	4,453.6	22,582.9	45,965.5	38,350.8	18,124.7	12,794.5
Eastern hemlock	13,462.7	2,364.8	2,543.4	3,681.0	2,602.7	1,537.0	734.0
Carolina hemlock	4.2	4.2	0.0	0.0	0.0	0.0	0.0
Florida maple	3,990.5	1,580.1	775.1	977.7	518.2	139.4	0.0
Boxelder	30,889.6	4,642.5	9,926.8	10,489.9	4,893.0	860.3	77.3
Black maple	517.3	157.6	47.4	125.8	105.0	0.0	81.5
Red maple	238,282.1	86,839.0	73,086.6	47,508.5	20,637.2	7,045.1	3,165.7
Silver maple	6,314.6	706.8	838.7	1,862.1	1,488.5	844.0	574.6
Sugar maple	74,422.7	14,745.2	18,600.1	22,543.4	11,925.7	3,698.7	2,909.6
Ohio buckeye	641.7	65.0	201.2	268.8	106.8	0.0	0.0
Yellow buckeye	3,179.7	201.4	661.2	1,111.0	488.8	374.8	342.5
Buckeyes, other	199.2	192.7	6.5	0.0	0.0	0.0	0.0
Ailanthus, tree-of-heaven	3,403.9	665.4	1,636.3	979.5	90.4	32.2	0.0
Serviceberry	2,163.4	1,890.3	253.6	19.5	0.0	0.0	0.0
Yellow birch	555.5	192.0	61.7	112.6	0.0	83.0	106.2
Sweet birch	4,881.0	1,032.0	2,579.3	930.7	203.2	26.5	109.4
River birch	22,794.2	2,105.6	5,432.0	7,545.5	4,914.4	1,950.9	845.7
Bumelia	960.3	571.4	301.6	47.1	40.3	0.0	0.0
Bluebeech,							
American hornbeam	72,423.2	40,091.0	25,701.5	6,136.0	449.5	45.2	0.0
Hickories	589,541.7	109,006.7	161,605.0	193,460.3	90,026.2	25,902.4	9,541.3
Water hickory	62,026.9	6,659.1	10,293.1	16,023.8	13,529.1	7,964.1	7,557.7
Pecan	23,918.4	1,092.9	3,140.6	4,644.0	4,828.7	4,074.6	6,137.7
Chinkapin	316.5	265.4	51.1	0.0	0.0	0.0	0.0
American chestnut	106.1	56.3	49.7	0.0	0.0	0.0	0.0
Allegheny chinkapin	136.3	118.7	17.7	0.0	0.0	0.0	0.0
Catalpa	605.4	291.5	125.7	88.1	54.5	45.6	0.0
Sugarberry	136,033.4	15,978.6	30,387.4	40,837.6	31,710.3	12,543.3	4,576.2
Hackberry	27,390.7	3,594.8	7,069.7	8,351.6	5,928.1	1,583.2	863.2
Eastern redbud	8,942.6	6,880.6	1,858.1	139.8	25.5	38.6	0.0
Flowering dogwood	129,196.8	112,179.9	16,557.9	421.0	37.9	0.0	0.0
American smoketree	243.2	5.7	105.3	132.1	0.0	0.0	0.0
Hawthorn	13,449.3	12,281.6	1,100.2	67.4	0.0	0.0	0.0
Common persimmon	36,907.9	19,243.9	11,663.9	4,757.8	1,242.4	0.0	0.0
American beech	123,874.4	6,510.5	11,630.7	24,544.7	31,311.2	28,194.4	21,682.8
White ash	70,405.0	15,900.4	17,551.9	19,941.5	11,390.2	3,964.7	1,656.2
Green ash	153,102.5	26,318.5	37,319.6	42,056.3	29,575.0	11,724.0	6,109.1
Pumpkin ash	117.9	76.2	3.0	38.7	0.0	0.0	0.0
Blue ash	998.9	330.9	388.2	166.6	84.9	28.3	0.0
Waterlocust	5,215.6	678.9	1,621.3	1,490.2	934.1	331.1	160.0
Honeylocust	15,740.1	1,504.1	4,210.0	5,455.5	2,183.0	1,202.5	1,185.1
Kentucky coffeetree	216.9	52.1	110.0	54.7	0.0	0.0	0.0
Silverbell	264.9	48.3	102.4	23.3	65.7	25.2	0.0
American holly	20,775.9	10,955.7	6,394.3	2,698.0	640.4	34.7	52.7
Butternut	975.9	199.8	180.6	352.7	242.7	0.0	0.0
Black walnut	19,904.3	1,690.7	5,561.6	7,584.1	3,587.7	1,148.3	331.9
Sweetgum	969,216.9	178,520.3	296,553.4	283,432.5	141,528.1	49,424.3	19,758.2
Yellow-poplar	268,260.0	14,241.1	42,333.5	88,629.0	77,238.5	30,783.5	15,034.5
Osage-orange	6,685.5	3,049.3	1,963.2	1,188.8	161.0	155.9	167.3
Cucumbertree	5,938.4	807.2	1,859.2	2,032.5	981.0	201.2	57.3
Southern magnolia	13,338.2	1,557.2	2,143.8	4,207.7	3,006.4	1,166.1	1,257.0

Table 32.— Wood and bark fresh weight of stems in live trees on timberland by species and diameter class, Midsouth States*—Continued

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
		-----Million pounds-----					
Bigleaf magnolia	3,242.4	1,516.7	1,223.0	338.1	164.6	0.0	0.0
Sweetbay	78,988.5	14,534.9	24,371.8	24,858.3	11,715.9	2,765.0	742.6
Apples	330.4	316.8	13.6	0.0	0.0	0.0	0.0
Chinaberry	733.5	164.3	298.6	270.6	0.0	0.0	0.0
White mulberry	455.3	138.8	235.4	81.1	0.0	0.0	0.0
Red mulberry	11,526.0	4,811.8	3,977.0	2,048.9	688.4	0.0	0.0
Water tupelo	143,458.6	6,906.7	28,327.7	62,495.9	29,897.9	8,760.6	7,069.8
Blackgum	244,094.3	38,572.4	71,780.9	78,809.8	39,476.3	11,226.2	4,228.7
Swamp tupelo	45,553.3	4,164.1	11,504.7	14,984.6	9,729.5	3,524.5	1,645.8
Eastern hophornbeam	42,657.0	29,970.3	11,340.7	1,239.7	69.5	36.8	0.0
Sourwood	66,390.1	39,249.9	23,419.8	3,423.0	297.5	0.0	0.0
Royal paulownia	920.7	145.4	377.6	175.1	133.5	89.1	0.0
Redbay	3,440.0	2,344.3	716.4	288.7	90.5	0.0	0.0
Water-elm	8,175.3	3,329.0	2,572.7	1,442.2	515.7	212.0	103.8
American sycamore	53,770.2	1,978.0	8,224.2	14,253.9	12,964.7	9,228.3	7,121.1
Eastern cottonwood	46,147.9	1,022.2	4,507.7	7,990.3	9,901.0	8,990.4	13,736.2
Black cherry	53,056.6	19,237.2	17,364.8	9,593.0	4,941.2	1,494.1	426.3
Plums, cherries [§]	4,604.0	4,076.9	485.9	41.2	0.0	0.0	0.0
White oak	654,685.1	71,245.0	155,066.4	212,334.7	140,470.0	54,906.1	20,662.9
Swamp white oak	1,310.5	4.1	217.5	117.0	409.8	505.3	56.7
Scarlet oak	102,648.6	4,761.6	24,926.2	40,392.7	23,314.5	6,678.6	2,575.0
Durand oak	996.2	111.8	81.7	360.1	241.9	101.3	99.4
Southern red oak	530,856.5	33,960.3	147,040.1	183,499.7	107,943.8	41,523.4	16,889.3
Cherrybark oak	214,791.9	7,375.4	34,368.3	52,538.1	51,488.7	34,952.2	34,069.1
Shingle oak	271.3	0.0	77.7	82.8	110.7	0.0	0.0
Bluejack oak	5,295.1	1,843.7	2,050.4	1,180.7	220.3	0.0	0.0
Turkey oak	3,884.3	1,485.7	1,660.1	522.0	216.5	0.0	0.0
Laurel oak	82,272.2	10,215.9	16,097.0	19,436.7	17,315.6	10,152.6	9,054.5
Overcup oak	110,969.2	5,666.5	14,053.0	21,281.3	27,621.0	21,470.4	20,877.0
Bur oak	1,639.3	29.8	320.0	691.9	299.2	175.4	123.1
Blackjack oak	68,339.2	19,243.5	23,124.5	17,420.8	7,125.3	1,357.7	67.3
Swamp chestnut oak	45,654.6	2,251.8	5,497.8	10,111.2	10,162.3	9,754.4	7,877.2
Chinkapin oak	25,607.2	3,329.6	6,177.2	8,700.3	4,291.6	1,613.4	1,495.2
Water oak	498,696.3	53,750.8	103,137.6	130,237.1	99,008.1	59,137.2	53,425.5
Nuttall oak	53,657.8	848.9	4,795.4	10,565.8	12,230.0	11,453.2	13,764.6
Pin oak	5,883.3	237.2	273.8	1,133.5	1,944.5	994.4	1,299.8
Willow oak	211,545.5	14,953.5	32,712.8	53,071.1	50,984.8	31,664.6	28,158.7
Chestnut oak	186,050.2	12,107.4	40,499.0	63,570.2	42,481.7	18,305.1	9,086.8
Northern red oak	163,964.5	10,597.1	33,324.5	54,845.4	40,224.4	16,616.5	8,356.8
Shumard oak	29,535.1	1,627.9	3,594.5	7,134.3	7,156.8	4,880.6	5,141.2
Post oak	411,917.3	53,599.4	122,900.2	143,582.8	63,850.0	19,904.9	8,079.9
Delta post oak	1,083.9	62.4	190.3	311.3	383.3	136.5	0.0
Black oak	241,139.5	16,900.6	49,551.8	84,976.5	61,551.7	20,977.6	7,181.3
Live oak	4,327.9	520.1	480.6	652.8	628.1	900.0	1,146.2
Black locust	17,178.5	3,840.3	6,375.2	4,167.7	2,080.6	655.1	59.5
Black willow	76,607.8	4,643.6	10,821.0	16,714.1	19,176.2	14,645.9	10,607.0
Sassafras	34,615.6	15,061.6	10,029.0	6,344.2	2,416.7	639.5	124.5
American basswood	8,786.8	1,218.1	818.3	3,371.1	2,477.5	700.3	201.6
White basswood	2,141.0	218.0	254.1	556.9	527.5	245.2	339.2
Winged elm	114,860.2	51,903.2	34,690.0	20,589.4	5,817.0	1,617.9	242.8
American elm	81,281.0	12,065.2	18,919.7	24,408.7	15,428.9	7,033.9	3,424.6
Cedar elm	16,987.5	1,619.2	3,095.3	5,616.5	4,072.8	1,851.9	731.9
Siberian elm	66.2	4.8	23.3	38.1	0.0	0.0	0.0
Slippery elm	22,221.1	4,196.3	5,996.2	6,533.2	3,142.2	1,609.5	743.8
September elm	370.4	66.5	174.8	83.0	0.0	46.1	0.0
Rock elm	241.9	54.4	41.7	107.8	0.0	38.0	0.0
Tree sparkleberry	6,135.5	5,678.2	328.0	129.3	0.0	0.0	0.0
Other species [‡]	9,609.3	1,010.7	6,924.0	1,301.5	287.9	85.3	0.0
All species	12,263,295.1	1,689,500.0	3,087,455.0	3,820,401.7	2,277,555.7	902,578.2	485,804.4

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 33.— *Wood and bark fresh weight of crowns in live trees on timberland by species and diameter class, Midsouth States**

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
	<i>Million pounds</i>						
Atlantic white-cedar	284.2	0.0	151.7	108.9	23.5	0.0	0.0
Southern redcedar	34.6	4.2	23.4	7.0	0.0	0.0	0.0
Eastern redcedar	14,614.7	2,834.0	9,132.6	1,988.7	529.2	78.1	52.2
Shortleaf pine	164,848.4	8,246.9	65,918.7	59,382.2	26,607.4	4,229.5	463.7
Slash pine	46,169.3	2,065.0	26,029.1	12,829.8	4,335.5	852.3	57.6
Spruce pine	8,569.9	97.7	1,556.2	2,160.8	2,741.2	1,468.1	546.0
Longleaf pine	44,071.7	1,172.8	13,176.4	17,731.4	10,369.9	1,448.6	172.6
Table Mountain pine	209.1	11.9	119.7	60.7	16.9	0.0	0.0
Pitch pine	861.9	11.0	396.3	267.7	158.3	18.9	9.6
Pond pine	15.3	0.0	0.0	15.3	0.0	0.0	0.0
Eastern white pine	6,100.9	301.6	2,166.3	1,621.3	1,137.3	597.6	276.7
Loblolly pine	457,108.8	25,238.2	167,844.9	122,351.9	91,554.0	37,915.8	12,204.0
Virginia pine	34,935.5	2,635.2	17,390.3	12,405.9	2,374.2	112.9	17.0
Baldcypress	17,984.9	284.3	3,755.6	4,004.1	4,412.4	2,661.7	2,866.9
Eastern hemlock	3,912.8	255.3	1,189.3	1,213.4	717.0	375.2	162.6
Carolina hemlock	0.3	0.3	0.0	0.0	0.0	0.0	0.0
Florida maple	1,216.1	297.7	363.0	338.9	169.7	46.7	0.0
Boxelder	10,195.1	887.1	3,951.4	3,490.5	1,575.0	262.0	29.1
Black maple	231.6	39.8	50.7	41.7	49.0	0.0	50.4
Red maple	75,431.5	16,369.7	32,205.5	16,561.2	6,980.7	2,316.2	998.2
Silver maple	2,010.4	135.7	348.7	620.3	484.5	259.9	161.4
Sugar maple	27,730.4	3,645.4	7,976.8	6,897.6	5,038.5	1,979.3	2,192.8
Ohio buckeye	119.4	9.7	44.3	43.3	22.2	0.0	0.0
Yellow buckeye	705.1	28.0	193.0	175.4	101.2	101.9	105.5
Buckeyes, other	32.2	28.5	3.8	0.0	0.0	0.0	0.0
Ailanthus, tree-of-heaven	878.1	102.6	561.0	183.4	21.0	10.2	0.0
Serviceberry	425.9	293.1	129.3	3.5	0.0	0.0	0.0
Yellow birch	234.5	47.1	51.1	51.1	0.0	37.5	47.7
Sweet birch	2,189.9	254.2	1,407.4	365.8	92.4	13.6	56.6
River birch	9,697.4	520.5	2,888.2	2,966.5	2,067.7	860.5	394.1
Bumelia	223.2	88.0	116.1	9.1	9.9	0.0	0.0
Bluebeech,							
American hornbeam	24,060.6	9,933.3	12,203.2	1,722.9	178.0	23.3	0.0
Hickories	184,959.9	17,461.1	64,765.7	50,609.1	33,539.0	12,665.9	5,919.2
Water hickory	22,800.4	1,072.8	3,948.6	4,250.2	5,058.5	3,821.7	4,648.6
Pecan	10,216.9	176.1	1,247.1	1,242.0	1,874.3	1,912.7	3,764.7
Chinkapin	66.9	41.5	25.4	0.0	0.0	0.0	0.0
American chestnut	38.0	14.0	24.0	0.0	0.0	0.0	0.0
Allegheny chinkapin	42.5	29.8	12.7	0.0	0.0	0.0	0.0
Catalpa	145.4	44.2	41.2	17.4	24.0	18.5	0.0
Sugarberry	52,168.6	3,937.6	12,419.6	12,532.0	13,422.7	6,737.4	3,119.2
Hackberry	10,280.4	887.8	2,880.4	2,549.2	2,504.4	853.9	604.8
Eastern redbud	1,872.3	1,062.2	766.1	25.8	6.0	12.3	0.0
Flowering dogwood	38,371.7	27,796.0	10,440.0	121.9	13.9	0.0	0.0
American smoketree	55.6	0.9	31.3	23.3	0.0	0.0	0.0
Hawthorn	3,744.2	3,064.8	660.5	18.9	0.0	0.0	0.0
Common persimmon	12,266.2	4,780.1	5,579.6	1,358.3	548.2	0.0	0.0
American beech	61,870.2	1,607.8	4,722.9	7,779.7	14,021.2	16,781.2	16,957.6
White ash	21,788.5	3,932.4	6,837.0	5,992.8	3,351.8	1,177.0	497.6
Green ash	47,723.8	6,504.0	14,446.2	12,651.0	8,685.4	3,530.4	1,906.8
Pumpkin ash	31.3	19.0	1.1	11.3	0.0	0.0	0.0
Blue ash	313.5	81.4	147.4	48.8	28.1	7.8	0.0
Waterlocust	1,903.1	166.2	629.9	438.5	397.8	172.0	98.8
Honeylocust	6,144.0	371.1	1,669.9	1,701.1	935.9	676.7	789.4
Kentucky coffeetree	56.1	14.3	29.0	12.8	0.0	0.0	0.0
Silverbell	75.9	7.6	33.5	4.8	15.8	14.2	0.0
American holly	4,816.3	1,690.6	2,408.1	526.4	164.2	9.9	17.0
Butternut	335.7	49.2	78.8	112.2	95.6	0.0	0.0
Black walnut	7,308.9	415.6	2,213.6	2,298.5	1,507.5	618.6	255.1
Sweetgum	215,831.0	21,724.5	87,889.7	44,918.4	35,419.6	16,757.8	9,121.0
Yellow-poplar	55,344.1	1,993.6	11,737.6	14,006.5	15,438.0	7,469.6	4,698.7
Osage-orange	2,367.1	751.6	969.6	361.7	67.4	83.6	133.4
Cucumbertree	1,206.9	111.7	505.2	314.1	213.8	46.8	15.4
Southern magnolia	3,369.3	240.9	631.4	814.4	786.8	352.1	543.7

Table 33.— Wood and bark fresh weight of crowns in live trees on timberland by species and diameter class, Midsouth States*—Continued

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
	-----Million pounds-----						
Bigleaf magnolia	815.9	232.1	483.4	61.0	39.4	0.0	0.0
Sweetbay	19,336.5	2,235.4	7,957.4	4,888.5	3,011.8	928.5	315.0
Apples	84.2	79.0	5.2	0.0	0.0	0.0	0.0
Chinaberry	199.3	25.3	121.9	52.1	0.0	0.0	0.0
White mulberry	108.9	21.6	70.5	16.9	0.0	0.0	0.0
Red mulberry	2,887.3	740.0	1,561.8	406.3	179.2	0.0	0.0
Water tupelo	35,708.5	933.3	8,080.3	13,194.6	7,811.8	2,860.2	2,828.2
Blackgum	106,494.2	24,819.8	40,641.8	23,318.2	12,134.9	3,885.2	1,694.3
Swamp tupelo	11,669.8	551.9	3,577.8	3,193.9	2,543.8	1,137.5	664.9
Eastern hophornbeam	13,872.3	7,442.8	6,023.3	353.0	32.3	20.8	0.0
Sourwood	22,879.9	9,668.7	12,110.6	985.4	115.2	0.0	0.0
Royal paulownia	256.9	26.0	118.5	39.8	41.4	31.2	0.0
Redbay	722.5	361.4	285.5	51.3	24.3	0.0	0.0
Water-elm	1,991.3	510.8	984.1	274.5	124.0	63.1	34.7
American sycamore	10,952.0	302.0	2,795.5	3,331.8	2,374.9	1,392.6	755.2
Eastern cottonwood	13,033.9	156.3	1,181.6	1,510.7	2,382.8	2,651.9	5,150.6
Black cherry	18,599.0	4,764.3	7,730.8	2,901.9	2,088.4	826.6	287.1
Plums, cherries [§]	1,285.5	1,016.7	257.6	11.1	0.0	0.0	0.0
White oak	262,451.6	14,807.1	68,777.9	69,583.2	63,045.8	31,216.6	15,020.9
Swamp white oak	636.7	0.7	81.7	39.0	185.1	295.0	35.3
Scarlet oak	37,351.1	862.2	9,800.1	13,048.7	9,154.8	3,088.1	1,397.2
Durand oak	412.5	22.1	40.9	118.5	108.6	58.6	63.8
Southern red oak	189,660.5	3,970.2	52,676.5	45,342.6	46,478.8	25,827.0	15,365.4
Cherrybark oak	100,734.8	862.2	12,198.7	13,367.9	22,597.6	21,325.1	30,383.3
Shingle oak	132.5	0.0	61.6	19.9	51.0	0.0	0.0
Bluejack oak	1,468.7	208.0	873.0	303.2	84.5	0.0	0.0
Turkey oak	1,014.7	159.0	645.1	116.1	94.5	0.0	0.0
Laurel oak	36,591.6	1,962.9	6,042.2	6,128.8	8,319.0	6,511.8	7,627.0
Overcup oak	54,902.3	1,187.9	6,194.5	7,078.0	12,485.1	12,310.9	15,645.8
Bur oak	661.3	6.0	116.0	222.5	137.0	96.6	83.3
Blackjack oak	14,885.1	3,940.1	5,777.2	2,951.8	1,758.7	431.9	25.4
Swamp chestnut oak	13,319.5	461.5	1,320.4	1,854.8	2,765.6	3,356.0	3,561.1
Chinkapin oak	10,356.2	687.6	2,700.2	2,878.3	1,996.3	956.6	1,137.2
Water oak	176,868.9	12,066.7	36,138.2	35,051.2	35,868.0	26,709.8	31,035.1
Nuttall oak	22,178.6	190.2	1,626.7	2,854.6	4,453.2	5,158.8	7,895.0
Pin oak	2,338.9	52.9	105.8	319.4	700.1	442.0	718.7
Willow oak	78,814.8	3,354.3	11,215.0	14,347.9	18,639.8	14,563.6	16,694.2
Chestnut oak	46,099.9	2,544.7	10,048.7	11,604.6	11,288.8	6,315.9	4,297.4
Northern red oak	48,843.6	1,247.7	10,469.6	14,274.1	12,918.0	6,235.6	3,698.6
Shumard oak	9,824.8	335.9	1,142.6	1,882.3	2,296.7	1,823.1	2,344.2
Post oak	179,558.9	16,553.3	63,188.2	54,408.3	29,262.2	10,991.9	5,155.1
Delta post oak	469.7	19.3	91.0	113.0	177.9	68.5	0.0
Black oak	74,650.9	1,681.9	14,655.6	19,179.1	23,026.0	11,018.5	5,089.7
Live oak	2,446.3	101.6	192.3	214.1	294.4	536.9	1,107.0
Black locust	4,878.9	945.9	2,405.6	1,009.0	404.9	105.8	7.6
Black willow	20,383.7	714.2	3,351.7	3,223.1	4,797.6	4,437.2	3,859.8
Sassafras	8,123.4	2,325.6	3,727.0	1,213.2	607.8	203.5	46.3
American basswood	4,299.7	194.1	1,636.8	1,398.4	765.8	232.3	72.3
White basswood	1,081.2	35.0	529.7	166.1	158.1	76.1	116.2
Winged elm	26,308.4	8,006.5	12,411.5	3,877.2	1,429.4	491.2	92.6
American elm	19,823.8	1,853.5	6,112.4	4,640.4	3,769.6	2,093.7	1,354.2
Cedar elm	4,062.1	249.2	868.1	1,079.9	1,018.1	568.1	278.8
Siberian elm	20.9	0.8	13.4	6.7	0.0	0.0	0.0
Slippery elm	5,393.4	644.9	1,971.3	1,227.5	776.7	472.7	300.5
September elm	101.5	10.2	62.6	15.9	0.0	12.9	0.0
Rock elm	51.2	8.4	10.3	21.1	0.0	11.4	0.0
Tree sparkleberry	1,062.2	892.6	145.6	23.9	0.0	0.0	0.0
Other species [‡]	3,481.0	157.1	2,988.4	241.7	67.0	26.8	0.0
All species	3,449,261.9	313,100.2	1,055,538.7	824,398.1	654,772.9	341,257.5	260,194.5

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 34.— *Wood and bark dry weight of live trees on timberland by species and diameter class, Midsouth States**

Species common name [†]	All classes	Diameter class (inches at breast height)					
		1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
		<i>Million pounds</i>					
Atlantic white-cedar	945.8	0.0	413.0	455.5	77.4	0.0	0.0
Southern redcedar	73.3	21.4	21.6	30.3	0.0	0.0	0.0
Eastern redcedar	45,379.8	14,955.0	20,149.7	8,142.7	1,778.7	229.5	124.2
Shortleaf pine	572,948.6	43,880.4	178,128.9	245,749.4	91,382.2	12,579.3	1,228.4
Slash pine	145,698.2	15,550.8	64,150.0	49,266.2	14,140.4	2,436.3	154.6
Spruce pine	27,356.5	732.3	4,129.7	8,114.6	8,799.4	4,173.8	1,406.6
Longleaf pine	128,629.4	6,572.3	33,188.8	56,350.5	28,600.7	3,576.2	340.7
Table Mountain pine	713.1	64.8	334.3	257.3	56.8	0.0	0.0
Pitch pine	2,813.0	58.0	1,025.9	1,101.0	546.8	56.0	25.4
Pond pine	57.4	0.0	0.0	57.4	0.0	0.0	0.0
Eastern white pine	10,260.3	794.0	1,387.5	2,390.8	2,760.1	1,868.2	1,059.8
Loblolly pine	1,395,754.2	123,621.6	365,279.4	446,121.3	308,116.0	117,566.0	35,050.0
Virginia pine	93,140.2	9,885.6	42,337.6	34,811.6	5,827.5	241.8	36.1
Baldcypress	89,659.2	2,650.7	14,735.6	27,956.6	23,924.8	11,629.4	8,762.1
Eastern hemlock	8,299.0	1,350.5	1,807.7	2,307.2	1,543.4	880.6	409.6
Carolina hemlock	2.5	2.5	0.0	0.0	0.0	0.0	0.0
Florida maple	2,930.7	1,064.8	624.5	739.1	393.9	108.4	0.0
Boxelder	23,023.4	3,135.1	7,641.9	7,833.2	3,698.4	651.8	63.0
Black maple	431.9	111.2	56.9	98.7	89.4	0.0	75.7
Red maple	176,111.6	58,524.4	57,911.6	35,938.9	15,825.9	5,447.9	2,462.9
Silver maple	4,743.4	477.6	653.7	1,396.3	1,133.4	644.2	438.1
Sugar maple	59,773.9	10,523.7	15,625.3	17,459.6	9,943.5	3,293.6	2,928.2
Ohio buckeye	368.8	34.1	118.8	151.8	64.1	0.0	0.0
Yellow buckeye	1,910.0	107.1	413.3	628.1	293.3	239.7	228.5
Buckeyes, other	106.2	101.3	5.0	0.0	0.0	0.0	0.0
Ailanthus, tree-of-heaven	2,250.2	417.2	1,156.0	599.4	56.4	21.1	0.0
Serviceberry	1,406.5	1,191.2	203.3	12.0	0.0	0.0	0.0
Yellow birch	463.7	137.7	67.2	97.0	0.0	71.1	90.7
Sweet birch	4,172.3	738.0	2,369.7	768.3	174.7	23.7	97.9
River birch	19,194.4	1,502.9	4,946.0	6,227.5	4,127.6	1,659.4	731.1
Bumelia	633.8	358.0	221.3	29.1	25.4	0.0	0.0
Bluebeech,							
American hornbeam	55,798.4	28,577.8	22,166.2	4,649.0	365.7	39.7	0.0
Hickories	488,146.6	78,027.3	143,401.8	155,531.9	77,701.7	23,974.6	9,509.2
Water hickory	53,165.7	4,775.7	9,025.5	12,894.5	11,667.0	7,319.3	7,483.7
Pecan	21,307.6	783.9	2,779.4	3,748.3	4,207.1	3,720.8	6,068.3
Chinkapin	209.0	168.5	40.6	0.0	0.0	0.0	0.0
American chestnut	83.2	40.0	43.2	0.0	0.0	0.0	0.0
Allegheny chinkapin	101.5	83.9	17.6	0.0	0.0	0.0	0.0
Catalpa	394.8	180.2	88.1	54.5	39.8	32.1	0.0
Sugarberry	110,169.5	11,424.4	25,146.2	31,602.9	26,414.9	11,173.3	4,407.7
Hackberry	22,052.0	2,567.2	5,843.7	6,458.0	4,931.2	1,411.4	840.5
Eastern redbud	5,836.3	4,319.8	1,389.3	85.8	16.0	25.3	0.0
Flowering dogwood	95,999.1	79,961.8	15,685.7	321.2	30.5	0.0	0.0
American smoketree	156.5	3.7	71.9	80.9	0.0	0.0	0.0
Hawthorn	9,792.9	8,719.6	1,022.3	50.9	0.0	0.0	0.0
Common persimmon	28,494.0	13,698.0	10,111.9	3,634.8	1,049.3	0.0	0.0
American beech	108,251.1	4,649.4	9,620.7	19,150.2	26,547.6	26,099.3	22,183.9
White ash	64,922.8	11,345.8	18,058.6	19,298.0	10,883.3	3,771.9	1,565.2
Green ash	143,093.1	18,787.6	38,344.3	40,720.5	28,219.8	11,193.2	5,827.7
Pumpkin ash	94.1	54.2	2.9	37.0	0.0	0.0	0.0
Blue ash	903.2	236.8	395.5	160.1	84.4	26.3	0.0
Waterlocust	4,172.5	487.3	1,324.7	1,141.8	778.7	291.7	148.3
Honeylocust	12,814.0	1,074.6	3,455.4	4,236.0	1,825.8	1,090.7	1,131.6
Kentucky coffeetree	142.2	34.7	72.9	34.6	0.0	0.0	0.0
Silverbell	177.7	30.7	71.6	14.6	41.1	19.7	0.0
American holly	13,663.2	6,875.8	4,651.7	1,669.5	409.3	22.4	34.5
Butternut	769.4	143.0	152.6	275.4	198.5	0.0	0.0
Black walnut	15,989.1	1,210.4	4,573.6	5,861.8	2,984.6	1,023.6	335.2
Sweetgum	567,412.0	95,114.1	183,879.4	157,779.9	85,000.5	31,777.2	13,860.9
Yellow-poplar	159,275.2	7,567.3	26,171.3	50,152.5	46,038.0	19,258.2	10,088.0
Osage-orange	5,246.7	2,180.0	1,711.3	914.4	133.3	137.9	169.8
Cucumbertree	3,472.3	429.9	1,144.4	1,143.7	592.9	124.6	36.9
Southern magnolia	8,593.8	979.4	1,458.8	2,589.6	1,920.1	759.1	886.8

Table 34.— Wood and bark dry weight of live trees on timberland by species and diameter class, Midsouth States*—Continued

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
	<i>Million pounds</i>						
Bigleaf magnolia	2,154.9	944.9	900.1	206.8	103.2	0.0	0.0
Sweetbay	51,268.0	9,095.2	16,997.6	15,341.7	7,462.3	1,847.8	523.3
Apples	235.9	224.9	11.0	0.0	0.0	0.0	0.0
Chinaberry	491.6	103.0	222.1	166.5	0.0	0.0	0.0
White mulberry	298.6	87.7	161.0	50.0	0.0	0.0	0.0
Red mulberry	7,653.1	3,011.0	2,926.4	1,273.9	441.8	0.0	0.0
Water tupelo	92,108.4	4,208.6	18,906.7	38,711.1	19,269.5	5,946.1	5,066.3
Blackgum	182,219.0	31,037.3	57,441.5	53,970.7	28,031.3	8,385.2	3,353.0
Swamp tupelo	29,507.3	2,540.3	7,839.2	9,291.3	6,270.3	2,383.0	1,183.2
Eastern hophornbeam	32,519.0	21,335.9	10,148.4	942.4	59.5	32.9	0.0
Sourwood	51,688.2	28,068.6	20,767.2	2,611.0	241.4	0.0	0.0
Royal paulownia	651.8	94.7	274.2	118.7	100.9	63.4	0.0
Redbay	2,235.0	1,470.2	530.3	176.2	58.3	0.0	0.0
Water-elm	5,390.5	2,079.0	1,885.4	892.0	326.4	138.5	69.1
American sycamore	29,521.2	1,229.7	5,000.0	7,963.2	6,946.8	4,811.1	3,570.4
Eastern cottonwood	29,674.9	636.2	2,975.8	4,873.3	6,190.3	5,787.9	9,211.3
Black cherry	41,736.8	13,716.0	14,737.5	7,409.6	4,116.6	1,347.4	409.6
Plums, cherries [§]	3,359.4	2,895.4	432.8	31.1	0.0	0.0	0.0
White oak	546,810.6	51,820.5	134,102.8	168,850.2	120,629.9	50,621.1	20,786.1
Swamp white oak	1,153.1	2.9	179.4	93.5	352.3	471.2	53.8
Scarlet oak	80,252.9	3,249.7	20,120.3	30,844.0	18,401.8	5,454.0	2,183.1
Durand oak	836.9	80.7	73.4	286.4	207.4	93.7	95.2
Southern red oak	317,710.9	22,869.7	71,082.7	106,579.8	71,957.9	30,959.1	14,261.6
Cherrybark oak	147,039.0	4,966.8	16,945.5	31,804.3	35,977.3	27,035.0	30,310.1
Shingle oak	159.6	0.0	40.5	44.7	74.4	0.0	0.0
Bluejack oak	2,866.2	1,237.4	883.2	611.9	133.7	0.0	0.0
Turkey oak	2,101.1	992.5	729.2	250.1	129.3	0.0	0.0
Laurel oak	65,386.3	6,828.6	12,650.0	14,506.2	14,013.1	8,833.8	8,554.6
Overcup oak	98,065.4	4,127.3	12,130.1	16,974.2	23,752.1	19,838.9	21,242.8
Bur oak	1,368.6	21.5	261.4	547.7	258.1	159.7	120.1
Blackjack oak	50,623.1	13,963.6	17,773.7	12,381.3	5,370.8	1,077.8	55.8
Swamp chestnut oak	35,492.4	1,634.2	4,172.9	7,234.9	7,772.3	7,852.0	6,826.0
Chinkapin oak	21,433.2	2,419.3	5,316.0	6,933.3	3,724.7	1,509.7	1,530.2
Water oak	378,826.4	36,944.2	80,605.6	95,491.6	75,170.2	46,481.8	44,133.0
Nuttall oak	41,610.0	585.1	3,717.3	7,746.1	9,280.8	8,986.8	11,293.9
Pin oak	4,524.6	164.7	218.8	834.9	1,471.1	778.5	1,056.5
Willow oak	161,886.3	10,290.5	25,426.9	38,923.5	38,755.9	25,020.7	23,468.9
Chestnut oak	140,338.2	8,822.3	30,915.2	45,458.9	32,360.5	14,770.1	8,011.2
Northern red oak	120,740.0	6,903.5	25,006.2	39,070.6	30,029.2	12,914.1	6,816.4
Shumard oak	22,341.2	1,182.7	2,703.4	5,094.6	5,339.9	3,787.6	4,233.1
Post oak	363,900.3	43,769.6	114,659.7	121,086.1	57,159.1	19,040.2	8,185.6
Delta post oak	952.9	50.9	173.3	258.9	344.0	125.8	0.0
Black oak	179,754.2	10,807.3	37,300.7	59,865.6	47,486.4	17,659.2	6,635.0
Live oak	3,592.7	349.2	383.3	487.8	501.7	759.4	1,111.4
Black locust	14,304.1	2,746.4	5,913.3	3,472.8	1,635.1	493.7	42.8
Black willow	49,358.6	2,906.0	7,447.8	10,262.4	12,118.8	9,513.1	7,110.4
Sassafras	22,634.0	9,457.6	7,244.1	3,897.2	1,529.8	421.6	83.6
American basswood	6,208.0	691.3	1,124.7	2,189.6	1,581.3	477.0	144.1
White basswood	1,564.7	123.7	363.5	335.6	334.6	163.6	243.7
Winged elm	74,930.9	32,564.5	24,843.8	12,630.7	3,671.5	1,054.5	165.8
American elm	52,301.7	7,542.5	13,172.9	14,973.5	9,714.3	4,555.6	2,342.9
Cedar elm	10,835.0	1,013.7	2,084.1	3,452.9	2,579.7	1,207.8	496.8
Siberian elm	45.9	3.1	19.6	23.2	0.0	0.0	0.0
Slippery elm	14,357.0	2,624.1	4,195.2	4,003.5	1,983.0	1,038.5	512.8
September elm	247.6	41.7	125.3	51.1	0.0	29.6	0.0
Rock elm	152.2	34.3	27.3	66.0	0.0	24.7	0.0
Tree sparkleberry	3,953.7	3,622.7	251.3	79.7	0.0	0.0	0.0
Other species [‡]	6,923.0	638.2	5,250.0	798.3	180.9	55.7	0.0
All species	8,430,247.1	1,103,970.1	2,202,818.9	2,491,911.0	1,571,062.7	664,699.1	395,785.2

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 35.— Wood and bark dry weight of stems in live trees on timberland by species and diameter class, Midsouth States*

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
	<i>Million pounds</i>						
Atlantic white-cedar	819.1	0.0	346.5	406.1	66.5	0.0	0.0
Southern redcedar	58.0	20.1	10.8	27.2	0.0	0.0	0.0
Eastern redcedar	39,200.1	14,057.6	16,084.4	7,234.6	1,531.5	192.6	99.4
Shortleaf pine	499,937.5	41,247.5	149,163.8	218,823.6	79,084.1	10,607.7	1,010.8
Slash pine	122,980.0	14,617.7	51,472.0	42,838.6	11,929.8	1,997.2	124.7
Spruce pine	23,028.2	688.4	3,371.6	7,028.3	7,400.0	3,417.3	1,122.6
Longleaf pine	106,653.8	6,178.0	26,699.5	47,403.9	23,294.8	2,827.2	250.4
Table Mountain pine	621.0	60.9	281.4	229.8	48.9	0.0	0.0
Pitch pine	2,426.1	54.6	850.9	979.3	473.4	47.1	20.8
Pond pine	49.8	0.0	0.0	49.8	0.0	0.0	0.0
Eastern white pine	8,791.4	746.3	1,053.4	1,998.2	2,387.5	1,649.7	956.3
Loblolly pine	1,180,155.8	116,204.5	286,546.1	386,565.3	262,996.2	98,827.8	29,015.9
Virginia pine	78,591.3	9,292.5	35,164.9	29,270.9	4,654.4	181.9	26.6
Baldcypress	79,597.1	2,491.6	12,634.5	25,716.4	21,456.2	10,140.3	7,158.1
Eastern hemlock	6,304.6	1,278.0	1,173.8	1,667.4	1,170.5	687.8	327.1
Carolina hemlock	2.5	2.5	0.0	0.0	0.0	0.0	0.0
Florida maple	2,336.9	979.6	425.8	552.8	297.6	81.1	0.0
Boxelder	17,630.3	2,884.3	5,479.6	5,916.0	2,806.1	498.7	45.5
Black maple	308.0	102.3	27.4	73.3	59.7	0.0	45.4
Red maple	138,793.8	53,842.0	40,288.2	26,842.1	11,861.1	4,096.8	1,863.6
Silver maple	3,646.9	439.4	462.9	1,054.4	858.1	492.2	339.8
Sugar maple	44,371.3	9,681.7	10,884.6	13,240.7	6,862.2	2,090.9	1,611.1
Ohio buckeye	315.4	31.3	98.2	132.2	53.6	0.0	0.0
Yellow buckeye	1,581.9	98.5	322.3	548.5	245.6	190.6	176.4
Buckeyes, other	96.3	93.2	3.2	0.0	0.0	0.0	0.0
Ailanthus, tree-of-heaven	1,814.5	383.8	863.1	505.8	45.8	16.0	0.0
Serviceberry	1,241.3	1,095.9	135.2	10.2	0.0	0.0	0.0
Yellow birch	339.7	126.7	36.7	66.5	0.0	48.3	61.5
Sweet birch	2,959.6	679.0	1,531.3	551.3	119.2	15.5	63.3
River birch	13,582.4	1,382.6	3,224.2	4,464.4	2,883.8	1,137.5	490.1
Bumelia	534.3	329.4	160.1	24.4	20.3	0.0	0.0
Bluebeech,							
American hornbeam	45,150.7	26,291.5	14,970.3	3,605.5	257.9	25.6	0.0
Hickories	376,259.1	71,781.1	102,707.7	123,506.4	56,458.0	15,996.2	5,809.8
Water hickory	39,109.5	4,393.6	6,544.1	10,207.2	8,467.2	4,913.1	4,584.4
Pecan	14,936.5	721.1	1,995.8	2,961.4	3,020.6	2,516.0	3,721.6
Chinkapin	182.2	155.0	27.2	0.0	0.0	0.0	0.0
American chestnut	65.9	36.8	29.1	0.0	0.0	0.0	0.0
Allegheny chinkapin	87.4	77.2	10.2	0.0	0.0	0.0	0.0
Catalpa	328.2	165.8	66.5	45.5	27.5	22.7	0.0
Sugarberry	80,079.0	10,510.5	17,769.4	23,954.6	18,222.1	7,086.4	2,536.0
Hackberry	16,170.9	2,361.8	4,133.2	4,900.9	3,403.3	894.0	477.8
Eastern redbud	5,065.6	3,974.2	986.6	72.6	13.0	19.1	0.0
Flowering dogwood	83,419.6	73,564.7	9,585.4	247.6	22.0	0.0	0.0
American smoketree	127.9	3.4	55.5	68.9	0.0	0.0	0.0
Hawthorn	8,698.4	8,022.0	636.9	39.5	0.0	0.0	0.0
Common persimmon	22,931.2	12,602.2	6,810.1	2,804.8	714.2	0.0	0.0
American beech	71,387.0	4,277.5	6,809.9	14,392.8	17,984.4	15,916.8	12,005.7
White ash	46,763.0	10,438.1	11,722.9	13,341.2	7,561.4	2,615.3	1,084.7
Green ash	101,737.0	17,284.6	24,933.6	28,148.9	19,637.5	7,732.1	4,000.4
Pumpkin ash	77.6	49.8	2.0	25.8	0.0	0.0	0.0
Blue ash	663.3	217.9	258.9	111.5	56.5	18.6	0.0
Waterlocust	3,085.1	448.3	949.2	874.9	536.5	187.2	89.0
Honeylocust	9,240.9	988.6	2,462.0	3,198.6	1,254.7	680.0	657.1
Kentucky coffeetree	115.9	30.0	57.8	28.0	0.0	0.0	0.0
Silverbell	140.1	28.3	54.1	12.1	33.1	12.6	0.0
American holly	11,481.5	6,325.8	3,387.6	1,399.4	325.4	17.4	26.0
Butternut	584.0	131.5	105.8	206.7	140.0	0.0	0.0
Black walnut	11,722.0	1,113.5	3,256.2	4,457.0	2,063.8	648.7	182.9
Sweetgum	464,871.3	87,505.2	141,545.7	135,919.5	67,316.7	23,337.1	9,247.0
Yellow-poplar	133,650.0	6,961.9	20,657.8	43,806.1	38,796.1	15,663.9	7,764.1
Osage-orange	4,113.4	2,005.6	1,141.3	695.5	92.4	87.6	91.0
Cucumbertree	2,928.8	395.5	907.3	1,002.0	492.4	102.2	29.4
Southern magnolia	6,919.5	901.0	1,129.4	2,173.3	1,519.9	581.2	614.8

Table 35.— Wood and bark dry weight of stems in live trees on timberland by species and diameter class, Midsouth States*—Continued

Species common name [†]	Diameter class (inches at breast height)						
	All classes	1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
	-----Million pounds-----						
Bigleaf magnolia	1,775.1	869.3	647.1	175.6	83.1	0.0	0.0
Sweetbay	41,731.0	8,367.6	12,845.5	12,844.1	5,930.3	1,378.4	365.0
Apples	214.8	206.9	7.9	0.0	0.0	0.0	0.0
Chinaberry	392.8	94.7	158.2	139.8	0.0	0.0	0.0
White mulberry	246.2	80.7	124.2	41.4	0.0	0.0	0.0
Red mulberry	6,292.0	2,770.1	2,106.9	1,065.0	350.1	0.0	0.0
Water tupelo	74,139.8	3,871.9	14,825.2	32,018.8	15,303.6	4,492.2	3,628.1
Blackgum	137,720.3	28,554.5	36,967.1	41,890.5	21,600.6	6,287.1	2,420.3
Swamp tupelo	23,672.7	2,337.1	6,034.6	7,671.9	4,979.1	1,805.2	844.8
Eastern hophornbeam	27,018.6	19,629.0	6,601.2	728.2	39.7	20.5	0.0
Sourwood	41,639.3	25,823.1	13,633.1	2,011.8	171.3	0.0	0.0
Royal paulownia	514.0	87.1	208.1	96.1	76.4	46.4	0.0
Redbay	1,928.6	1,352.6	380.2	150.0	45.9	0.0	0.0
Water-elm	4,450.8	1,912.7	1,367.2	750.3	262.8	106.3	51.5
American sycamore	24,297.8	1,131.4	3,689.4	6,359.4	5,793.8	4,129.6	3,194.3
Eastern cottonwood	23,153.6	585.3	2,363.2	4,105.7	4,985.2	4,455.8	6,658.4
Black cherry	32,330.7	12,618.7	10,151.9	5,636.6	2,841.4	845.3	236.9
Plums, cherries [§]	2,970.0	2,663.8	281.9	24.3	0.0	0.0	0.0
White oak	392,133.1	47,675.0	92,728.1	126,335.4	82,071.5	31,612.8	11,710.4
Swamp white oak	765.3	2.6	130.1	69.6	239.2	291.4	32.4
Scarlet oak	57,854.7	2,989.7	14,211.6	22,851.8	12,846.3	3,600.0	1,355.4
Durand oak	593.1	74.2	48.9	214.1	141.2	58.1	56.6
Southern red oak	232,607.6	21,040.1	52,859.7	84,297.7	48,952.8	18,360.6	7,096.6
Cherrybark oak	97,834.6	4,569.4	12,629.4	24,978.3	24,309.6	16,145.3	15,202.5
Shingle oak	107.6	0.0	22.5	35.6	49.5	0.0	0.0
Bluejack oak	2,338.7	1,138.4	625.8	480.0	94.4	0.0	0.0
Turkey oak	1,734.9	913.1	531.8	202.4	87.7	0.0	0.0
Laurel oak	45,026.0	6,282.3	9,144.6	10,895.6	9,186.5	5,145.3	4,371.6
Overcup oak	65,124.1	3,797.1	8,403.7	12,651.5	16,121.2	12,347.8	11,802.7
Bur oak	968.3	19.8	191.4	412.0	174.4	101.0	69.8
Blackjack oak	42,797.6	12,846.5	14,238.8	10,583.5	4,280.2	808.7	39.9
Swamp chestnut oak	27,431.6	1,503.5	3,368.7	6,107.8	6,064.2	5,771.5	4,615.9
Chinkapin oak	15,374.9	2,225.8	3,692.4	5,178.1	2,505.8	928.0	844.9
Water oak	277,892.6	33,988.6	59,139.6	74,215.1	53,561.1	30,669.1	26,319.2
Nuttall oak	28,599.9	538.3	2,750.1	6,013.4	6,600.3	5,933.2	6,764.6
Pin oak	3,157.9	151.6	156.4	641.1	1,049.8	516.6	642.4
Willow oak	116,263.7	9,467.3	18,761.4	30,216.1	27,534.3	16,404.8	13,879.7
Chestnut oak	112,897.0	8,116.5	24,796.0	38,409.6	25,387.6	10,849.1	5,338.2
Northern red oak	91,762.9	6,351.2	18,756.9	30,552.4	22,311.3	9,186.6	4,604.5
Shumard oak	16,576.8	1,088.1	2,021.2	3,971.1	3,967.7	2,697.6	2,831.1
Post oak	259,554.5	40,268.2	76,153.7	87,252.0	38,833.5	12,121.6	4,925.5
Delta post oak	668.7	46.9	117.6	188.8	232.7	82.9	0.0
Black oak	135,642.0	9,941.0	28,661.0	48,438.4	33,747.4	11,161.1	3,693.1
Live oak	2,271.5	321.3	272.6	362.2	331.5	456.0	528.0
Black locust	11,446.6	2,526.7	4,320.2	2,790.9	1,353.7	418.0	37.2
Black willow	39,130.4	2,673.5	5,699.5	8,617.1	9,681.6	7,275.9	5,182.8
Sassafras	18,874.8	8,701.0	5,295.4	3,278.0	1,221.1	318.8	60.6
American basswood	4,923.7	636.0	840.1	1,748.0	1,226.4	365.0	108.3
White basswood	1,229.3	113.8	273.7	268.1	261.2	127.1	185.4
Winged elm	62,820.3	29,959.4	18,342.6	10,648.5	2,944.2	806.3	119.3
American elm	42,486.7	6,939.1	9,979.7	12,602.2	7,798.6	3,498.9	1,668.2
Cedar elm	8,804.2	932.6	1,631.1	2,900.4	2,061.5	921.1	357.6
Siberian elm	35.1	2.9	12.5	19.8	0.0	0.0	0.0
Slippery elm	11,706.5	2,414.1	3,164.9	3,376.5	1,588.1	800.2	362.8
September elm	196.8	38.3	92.5	43.0	0.0	23.0	0.0
Rock elm	127.6	31.5	21.9	55.3	0.0	18.9	0.0
Tree sparkleberry	3,574.9	3,332.9	174.6	67.4	0.0	0.0	0.0
Other species [‡]	5,129.1	587.2	3,678.6	674.5	146.6	42.2	0.0
All species	6,623,816.0	1,020,056.0	1,644,839.7	2,034,782.5	1,202,451.5	471,748.9	249,937.4

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 36.— Wood and bark dry weight of crowns in live trees on timberland by species and diameter class, Midsouth States*

Species common name*	All classes	Diameter class (inches at breast height)					
		1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
		<i>Million pounds</i>					
Atlantic white-cedar	126.8	0.0	66.5	49.4	10.9	0.0	0.0
Southern redcedar	15.3	1.3	10.8	3.2	0.0	0.0	0.0
Eastern redcedar	6,179.6	897.3	4,065.3	908.1	247.2	36.9	24.8
Shortleaf pine	73,011.0	2,632.8	28,965.2	26,925.8	12,298.1	1,971.6	217.6
Slash pine	22,718.2	933.0	123,678.0	6,427.6	2,210.6	439.1	29.8
Spruce pine	4,328.3	43.9	758.1	1,086.4	1,399.4	756.5	284.0
Longleaf pine	21,975.6	394.3	6,489.3	8,946.6	5,305.9	749.1	90.3
Table Mountain pine	92.1	3.9	52.9	27.5	7.9	0.0	0.0
Pitch pine	387.0	3.5	175.0	121.7	73.4	8.8	4.6
Pond pine	7.7	0.0	0.0	7.7	0.0	0.0	0.0
Eastern white pine	1,468.9	47.6	334.1	392.5	372.6	218.5	103.5
Loblolly pine	215,598.8	7,417.5	78,733.2	59,556.0	45,119.8	18,738.2	6,034.1
Virginia pine	14,548.9	593.2	7,172.7	5,540.7	1,173.0	59.9	9.5
Baldcypress	10,062.1	159.0	2,101.1	2,240.2	2,468.6	1,489.2	1,603.9
Eastern hemlock	1,994.5	72.5	634.0	639.8	373.0	192.8	82.5
Carolina hemlock	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida maple	593.8	85.2	198.7	186.4	96.3	27.2	0.0
Boxelder	5,393.1	250.8	2,162.2	1,917.2	892.3	153.1	17.5
Black maple	123.9	8.9	29.5	25.4	29.7	0.0	30.3
Red maple	37,317.6	4,682.1	17,623.4	9,096.9	3,964.8	1,351.1	599.4
Silver maple	1,096.5	38.2	190.8	341.9	275.3	151.9	98.3
Sugar maple	15,402.5	841.9	4,740.6	4,218.9	3,081.3	1,202.7	1,317.1
Ohio buckeye	53.4	2.7	20.6	19.6	10.5	0.0	0.0
Yellow buckeye	328.1	8.6	91.0	79.6	47.7	49.1	52.1
Buckeyes, other	9.9	8.1	1.8	0.0	0.0	0.0	0.0
Ailanthus, tree-of-heaven	435.7	33.4	292.9	93.6	10.7	5.2	0.0
Serviceberry	165.2	95.3	68.1	1.8	0.0	0.0	0.0
Yellow birch	124.0	11.0	30.5	30.5	0.0	22.8	29.2
Sweet birch	1,212.8	59.0	838.4	217.0	55.5	8.2	34.6
River birch	5,612.0	120.2	1,721.8	1,763.2	1,243.8	522.0	241.0
Bumelia	99.5	28.6	61.2	4.7	5.0	0.0	0.0
Bluebeech,							
American hornbeam	10,647.6	2,286.3	7,195.9	1,043.6	107.8	14.1	0.0
Hickories	111,887.6	6,246.4	40,694.1	32,025.5	21,243.7	7,978.4	3,699.4
Water hickory	14,056.1	382.1	2,481.4	2,687.3	3,199.8	2,406.2	2,899.3
Pecan	6,371.1	62.7	783.6	786.8	1,186.5	1,204.7	2,346.7
Chinkapin	26.8	13.5	13.4	0.0	0.0	0.0	0.0
American chestnut	17.3	3.2	14.1	0.0	0.0	0.0	0.0
Allegheny chinkapin	14.1	6.7	7.4	0.0	0.0	0.0	0.0
Catalpa	66.6	14.4	21.6	8.9	12.2	9.4	0.0
Sugarberry	30,090.5	914.0	7,376.8	7,648.3	8,192.9	4,087.0	1,871.7
Hackberry	5,881.1	205.4	1,710.6	1,557.1	1,527.9	517.5	362.7
Eastern redbud	770.8	345.6	402.7	13.2	3.1	6.2	0.0
Flowering dogwood	12,579.4	6,397.0	6,100.3	73.6	8.5	0.0	0.0
American smoketree	28.6	0.3	16.3	12.0	0.0	0.0	0.0
Hawthorn	1,094.4	697.6	385.4	11.4	0.0	0.0	0.0
Common persimmon	5,562.8	1,095.9	3,301.9	829.9	335.1	0.0	0.0
American beech	36,864.1	372.0	2,810.9	4,757.3	8,563.2	10,182.5	10,178.2
White ash	18,159.0	907.7	6,335.7	5,956.8	3,321.8	1,156.6	480.4
Green ash	41,356.1	1,503.0	13,410.7	12,571.6	8,582.4	3,461.1	1,827.3
Pumpkin ash	16.5	4.3	1.0	11.2	0.0	0.0	0.0
Blue ash	239.9	18.9	136.6	48.6	27.9	7.7	0.0
Waterlocust	1,087.4	39.0	375.5	266.9	242.2	104.5	59.3
Honeylocust	3,573.1	86.0	993.4	1,037.4	571.1	410.7	474.5
Kentucky coffeetree	26.3	4.6	15.1	6.5	0.0	0.0	0.0
Silverbell	37.6	2.5	17.5	2.5	8.0	7.2	0.0
American holly	2,181.7	550.1	1,264.0	270.1	83.9	5.0	8.5
Butternut	185.4	11.4	46.8	68.7	58.5	0.0	0.0
Black walnut	4,267.1	96.8	1,317.4	1,404.9	920.8	374.9	152.3
Sweetgum	102,540.9	7,609.1	42,333.7	21,860.4	17,683.8	8,440.1	4,613.9
Yellow-poplar	25,625.3	605.4	5,513.5	6,346.4	7,241.9	3,594.3	2,323.8
Osage-orange	1,133.3	174.4	570.0	218.9	40.8	50.4	78.8
Cucumbertree	543.5	34.4	237.1	141.7	100.4	22.4	7.5
Southern magnolia	1,674.3	78.4	329.4	416.3	400.2	178.0	272.0

Table 36.— Wood and bark dry weight of crowns in live trees on timberland by species and diameter class, Midsouth States*—Continued

Species common name [†]	All classes	Diameter class (inches at breast height)					
		1.0–4.9	5.0–9.9	10.0–14.9	15.0–19.9	20.0–24.9	25.0 & larger
		-----Million pounds-----					
Bigleaf magnolia	379.8	75.6	253.0	31.2	20.0	0.0	0.0
Sweetbay	9,537.0	727.6	4,152.1	2,497.6	1,532.0	469.4	158.2
Apples	21.1	18.0	3.1	0.0	0.0	0.0	0.0
Chinaberry	98.8	8.2	63.9	26.7	0.0	0.0	0.0
White mulberry	52.4	7.0	36.8	8.6	0.0	0.0	0.0
Red mulberry	1,361.0	240.9	819.6	208.9	91.7	0.0	0.0
Water tupelo	17,968.6	336.7	4,081.5	6,692.4	3,965.9	1,453.8	1,438.3
Blackgum	44,498.8	2,482.8	20,474.3	12,080.2	6,430.7	2,098.1	932.7
Swamp tupelo	5,834.7	203.2	1,804.6	1,619.4	1,291.2	577.8	338.4
Eastern hophornbeam	5,500.4	1,706.9	3,547.2	214.2	19.8	12.4	0.0
Sourwood	10,048.8	2,245.5	7,134.0	599.2	70.1	0.0	0.0
Royal paulownia	137.7	7.6	66.1	22.6	24.5	16.9	0.0
Redbay	306.4	117.6	150.1	26.3	12.4	0.0	0.0
Water-elm	939.7	166.3	518.2	141.7	63.6	32.2	17.6
American sycamore	5,223.4	98.4	1,310.6	1,603.8	1,153.0	681.6	376.0
Eastern cottonwood	6,521.2	50.9	612.6	767.6	1,205.1	1,332.1	2,553.0
Black cherry	9,406.0	1,097.3	4,585.6	1,773.0	1,275.3	502.1	172.8
Plums, cherries [§]	389.4	231.6	151.0	6.8	0.0	0.0	0.0
White oak	154,677.6	4,145.6	41,374.8	42,514.9	38,558.4	19,008.3	9,075.6
Swamp white oak	387.8	0.2	49.3	23.8	113.2	179.8	21.4
Scarlet oak	22,398.2	260.0	5,908.8	7,992.2	5,555.5	1,854.1	827.7
Durand oak	243.9	6.5	24.5	72.3	66.3	35.6	38.7
Southern red oak	85,103.2	1,829.6	18,223.0	22,282.1	23,005.1	12,598.4	7,165.1
Cherrybark oak	49,204.4	397.4	4,316.0	6,826.1	11,667.8	10,889.7	15,107.6
Shingle oak	52.0	0.0	18.1	9.1	24.9	0.0	0.0
Bluejack oak	527.5	99.0	257.4	131.9	39.3	0.0	0.0
Turkey oak	366.2	79.4	197.4	47.7	41.6	0.0	0.0
Laurel oak	20,360.2	546.3	3,505.4	3,610.6	4,826.5	3,688.5	4,182.9
Overcup oak	32,941.3	330.2	3,726.4	4,322.6	7,630.9	7,491.1	9,440.1
Bur oak	400.2	1.7	70.0	135.7	83.7	58.7	50.3
Blackjack oak	7,825.5	1,117.1	3,534.9	1,797.8	1,090.6	269.2	15.9
Swamp chestnut oak	8,060.8	130.7	804.3	1,127.2	1,708.0	2,080.5	2,210.1
Chinkapin oak	6,058.3	193.5	1,623.6	1,755.2	1,218.9	581.7	685.4
Water oak	100,933.7	2,955.6	21,466.0	21,276.5	21,609.1	15,812.7	17,813.8
Nuttall oak	13,010.1	46.8	967.2	1,732.7	2,680.5	3,053.6	4,529.3
Pin oak	1,366.8	13.2	62.4	193.8	421.3	261.9	414.1
Willow oak	45,622.7	823.3	6,665.5	8,707.3	11,221.5	8,615.8	9,589.2
Chestnut oak	27,441.2	705.8	6,119.2	7,049.2	6,972.9	3,921.0	2,673.0
Northern red oak	28,977.1	552.3	6,249.3	8,518.2	7,717.9	3,727.5	2,211.9
Shumard oak	5,764.4	94.6	682.1	1,123.5	1,372.3	1,090.0	1,401.9
Post oak	104,345.9	3,501.5	38,506.1	33,834.0	18,325.6	6,918.6	3,260.0
Delta post oak	284.2	4.1	55.7	70.1	111.3	43.0	0.0
Black oak	44,112.1	866.2	8,639.7	11,427.2	13,739.0	6,498.1	2,941.9
Live oak	1,321.2	27.9	110.7	125.6	170.1	303.5	583.4
Black locust	2,857.5	219.7	1,593.1	681.9	281.4	75.8	5.6
Black willow	10,228.2	232.5	1,748.3	1,645.3	2,437.3	2,237.2	1,927.7
Sassafras	3,759.3	756.7	1,948.7	619.3	308.7	102.8	23.1
American basswood	1,284.3	55.3	284.7	441.6	354.9	112.1	35.7
White basswood	335.4	9.9	89.9	67.5	73.4	36.5	58.2
Winged elm	12,110.8	2,605.3	6,501.3	1,982.2	727.3	248.2	46.5
American elm	9,815.1	603.4	3,193.2	2,371.4	1,915.7	1,056.7	674.9
Cedar elm	2,030.8	81.1	453.1	552.5	518.2	286.7	139.2
Siberian elm	10.8	0.2	7.1	3.5	0.0	0.0	0.0
Slippery elm	2,650.4	209.9	1,030.3	627.0	394.8	238.3	150.0
September elm	50.8	3.3	32.8	8.1	0.0	6.5	0.0
Rock elm	24.6	2.7	5.4	10.7	0.0	5.8	0.0
Tree sparkleberry	378.9	289.8	76.7	12.3	0.0	0.0	0.0
Other species [‡]	1,794.0	51.1	1,571.3	123.8	34.3	13.5	0.0
All species	1,806,431.6	83,914.7	557,979.2	457,128.5	368,611.2	192,950.2	145,847.8

*Numbers in columns and rows may not total due to rounding.

[†]Alphabetized by genus, see species list, appendix 2.[‡]Other species includes noncommercial and unidentified species.[§]Except black cherry.

Table 37.— Wood and bark fresh weight of live trees on timberland by State and basal area class, Midsouth States*

State	Basal area class [†] (square feet per acre)											
	All classes		0–29		30–59		60–89		90–119		≥ 120	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
-----Million tons-----												
Alabama	604.2	972.1	12.3	15.2	60.2	99.2	141.8	256.1	179.1	302.8	210.7	298.8
Arkansas	383.2	939.7	5.6	13.7	31.8	79.5	83.7	268.5	132.3	359.7	129.8	218.2
Louisiana	512.0	763.5	6.7	6.8	32.7	49.1	96.6	143.9	127.0	218.3	248.9	345.5
Mississippi	461.6	928.4	8.9	14.1	38.0	69.6	100.6	233.5	156.5	330.9	157.6	280.4
Oklahoma (east)	56.2	175.7	1.1	3.5	6.1	32.5	15.9	70.1	17.4	52.1	15.6	17.5
Tennessee	152.2	1,039.6	1.4	6.4	8.2	69.2	33.3	299.7	54.0	447.7	55.4	216.6
Texas (east)	387.1	480.9	6.0	9.0	26.8	49.8	84.5	148.3	132.7	171.5	137.2	102.4
All States	2,556.4	5,299.9	42.0	68.6	203.8	448.8	556.5	1,420.1	798.9	1,883.0	955.2	1,479.3

*Numbers in columns and rows may not total due to rounding.

[†]Includes all live trees ≥ 1.0 inch in d.b.h.[‡]Softwood species.[§]Hardwood species.

Table 38.— Wood and bark fresh weight of stems in live trees on timberland by State and basal area class, Midsouth States*

State	Basal area class [†] (square feet per acre)											
	All classes		0–29		30–59		60–89		90–119		≥ 120	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
-----Million tons-----												
Alabama	504.0	742.1	10.3	11.7	50.0	75.6	118.1	195.0	149.2	231.2	176.4	228.7
Arkansas	324.3	701.6	4.8	10.3	26.8	59.5	70.5	200.6	112.2	267.9	110.0	163.3
Louisiana	432.0	570.6	5.6	4.9	27.2	36.4	81.0	106.8	106.4	162.3	211.8	260.2
Mississippi	387.4	695.9	7.5	10.6	31.5	52.6	84.0	174.8	131.5	247.2	132.9	210.6
Oklahoma (east)	47.8	131.2	1.0	2.7	5.1	24.3	13.5	52.3	14.9	38.9	13.4	13.0
Tennessee	125.0	784.3	1.1	4.8	6.6	52.2	27.5	225.6	44.4	337.9	45.4	163.8
Texas (east)	326.6	358.8	5.1	6.7	22.2	37.2	71.0	110.5	111.7	127.1	116.6	77.3
All States	2,147.2	3,984.4	35.4	51.6	169.5	337.9	465.6	1,065.6	670.3	1,412.4	806.5	1,116.9

*Numbers in columns and rows may not total due to rounding.

[†]Includes all live trees ≥ 1.0 inch in d.b.h.[‡]Softwood species.[§]Hardwood species.

Table 39.— Wood and bark fresh weight of crowns in live trees on timberland by State and basal area class, Midsouth States*

State	Basal area class [†] (square feet per acre)											
	All classes		0–29		30–59		60–89		90–119		≥ 120	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
-----Million tons-----												
Alabama	100.2	230.0	2.0	3.5	10.2	23.6	23.8	61.1	29.9	71.7	34.3	70.1
Arkansas	58.8	238.1	0.8	3.4	5.0	19.9	13.2	68.0	20.1	91.8	19.7	55.0
Louisiana	80.0	192.9	1.1	1.9	5.5	12.7	15.6	37.1	20.6	56.0	37.2	85.3
Mississippi	74.1	232.6	1.4	3.4	6.5	17.0	16.6	58.7	25.0	83.7	24.6	69.8
Oklahoma (east)	8.3	44.5	0.1	0.9	1.0	8.2	2.5	17.7	2.5	13.2	2.2	4.5
Tennessee	27.2	255.3	0.2	1.6	1.5	17.0	5.8	74.1	9.6	109.9	10.0	52.8
Texas (east)	60.6	122.1	0.9	2.3	4.5	12.6	13.5	37.8	21.0	44.4	20.6	25.0
All States	409.2	1,315.5	6.6	17.0	34.3	110.9	90.9	354.5	128.7	470.6	148.7	362.4

*Numbers in columns and rows may not total due to rounding.

[†]Includes all live trees ≥ 1.0 inch in d.b.h.[‡]Softwood species.[§]Hardwood species.

Table 40.— *Wood and bark dry weight of live trees on timberland by State and basal area class, Midsouth States**

State	Basal area class [†] (square feet per acre)											
	All classes		0–29		30–59		60–89		90–119		≥ 120	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
----- <i>Million tons</i> -----												
Alabama	304.5	533.6	6.3	8.2	30.9	53.8	71.7	141.8	90.1	167.6	105.5	162.1
Arkansas	190.1	527.9	2.8	7.6	15.8	44.8	41.6	152.3	65.5	202.3	64.3	120.9
Louisiana	260.9	415.2	3.5	3.7	16.9	26.5	49.3	78.3	64.4	119.2	126.9	187.5
Mississippi	232.5	501.8	4.6	7.6	19.6	37.3	51.0	126.3	78.6	179.1	78.7	151.5
Oklahoma (east)	27.8	102.9	0.6	2.0	3.1	19.0	7.9	41.3	8.6	30.5	7.7	10.1
Tennessee	74.4	592.2	0.7	3.5	4.1	39.4	16.4	171.7	26.3	255.3	27.0	122.2
Texas (east)	192.4	259.0	3.0	4.7	13.5	26.7	42.1	80.7	66.0	92.4	67.8	54.5
All States	1,282.5	2,932.6	21.5	37.3	103.8	247.6	280.0	792.5	399.4	1,046.4	477.8	808.8

*Numbers in columns and rows may not total due to rounding.

[†]Includes all live trees ≥ 1.0 inch in d.b.h.[‡]Softwood species.[§]Hardwood species.Table 41.— *Wood and bark dry weight of stems in live trees on timberland by State and basal area class, Midsouth States**

State	Basal area class [†] (square feet per acre)											
	All classes		0–29		30–59		60–89		90–119		≥ 120	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
----- <i>Million tons</i> -----												
Alabama	257.9	413.4	5.5	6.5	26.1	42.1	60.7	110.0	76.2	129.6	89.4	125.3
Arkansas	163.1	396.8	2.5	5.8	13.6	34.1	35.6	114.9	56.2	151.4	55.2	90.6
Louisiana	222.5	309.5	3.0	2.7	14.3	19.8	41.9	58.1	54.5	88.2	108.8	140.5
Mississippi	197.5	377.8	3.9	5.9	16.5	28.5	43.2	95.2	66.8	134.2	67.0	114.1
Oklahoma (east)	24.1	78.6	0.5	1.6	2.6	14.5	6.8	31.5	7.5	23.3	6.7	7.7
Tennessee	63.0	449.6	0.6	2.7	3.5	30.1	13.9	130.4	22.3	193.6	22.8	92.8
Texas (east)	164.1	194.1	2.6	3.6	11.4	20.2	35.9	60.3	56.1	68.6	58.1	41.4
All States	1,092.1	2,219.8	18.6	28.7	88.0	189.3	237.9	600.3	339.6	789.0	408.0	612.4

*Numbers in columns and rows may not total due to rounding.

[†]Includes all live trees ≥ 1.0 inch in d.b.h.[‡]Softwood species.[§]Hardwood species.Table 42.— *Wood and bark dry weight of crowns in live trees on timberland by State and basal area class, Midsouth States**

State	Basal area class [†] (square feet per acre)											
	All classes		0–29		30–59		60–89		90–119		≥ 120	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
----- <i>Million tons</i> -----												
Alabama	46.6	120.1	0.9	1.7	4.7	11.8	11.0	31.9	13.9	38.0	16.0	36.8
Arkansas	27.0	131.1	0.4	1.8	2.2	10.7	6.0	37.4	9.2	50.9	9.1	30.3
Louisiana	38.5	105.8	0.5	0.9	2.6	6.7	7.4	20.2	9.9	30.9	18.1	47.0
Mississippi	34.9	124.0	0.6	1.7	3.0	8.8	7.8	31.1	11.8	44.9	11.6	37.5
Oklahoma (east)	3.6	24.4	0.1	0.4	0.4	4.5	1.1	9.8	1.1	7.2	1.0	2.4
Tennessee	11.4	142.5	0.1	0.8	0.6	9.3	2.5	41.3	4.0	61.7	4.2	29.3
Texas (east)	28.3	64.9	0.4	1.2	2.1	6.5	6.3	20.4	9.9	23.8	9.7	13.0
All States	190.4	712.8	2.9	8.6	15.8	58.3	42.1	192.2	59.8	257.4	69.7	196.4

*Numbers in columns and rows may not total due to rounding.

[†]Includes all live trees ≥ 1.0 inch in d.b.h.[‡]Softwood species.[§]Hardwood species.

Table 43.— Wood and bark fresh weight of live trees by State and height class, Midsouth States*

State	Height class in feet [†] (from 1-foot stump to tree top)									
	All classes		< 20		20–59		60–99		≥ 100	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
<i>Million tons</i>										
Alabama	604.2	972.1	64.7	198.5	172.3	258.9	340.1	470.9	27.0	43.7
Arkansas	383.2	939.7	39.6	140.1	112.8	286.4	217.0	461.1	13.8	52.1
Louisiana	512.0	763.5	36.5	84.5	107.9	166.6	333.9	449.9	33.7	62.5
Mississippi	461.6	928.4	40.0	127.2	100.1	193.7	288.4	519.7	33.0	87.9
Oklahoma (east)	56.2	175.7	10.7	40.4	33.4	96.1	11.2	36.6	0.9	2.5
Tennessee	152.2	1,039.6	16.4	123.6	56.2	213.3	74.7	607.8	4.8	94.9
Texas (east)	387.1	480.9	31.3	68.6	76.9	157.2	249.0	235.4	30.0	19.7
All States	2,556.4	5,299.9	239.2	782.8	659.6	1,372.2	1,514.3	2,781.5	143.2	363.3

*Numbers in columns and rows may not total due to rounding.

[†]Heights measured only on trees ≥ 5.0 inches in diameter. All trees ≥ 1.0 inch in d.b.h. but < 5.0 inches in d.b.h. are placed in < 20-foot class.[‡]Softwood species.[§]Hardwood species.

Table 44.— Wood and bark fresh weight of stems in live trees by State and height class, Midsouth States*

State	Height class in feet [†] (from 1-foot stump to tree top)									
	All classes		< 20		20–59		60–99		≥ 100	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
<i>Million tons</i>										
Alabama	504.0	742.1	57.7	163.9	134.0	185.3	289.5	361.5	22.8	31.4
Arkansas	324.3	701.6	35.1	116.4	90.5	205.3	187.1	343.9	11.6	35.9
Louisiana	432.0	570.6	32.3	70.3	84.2	121.1	287.0	336.6	28.5	42.6
Mississippi	387.4	695.9	35.5	105.6	77.3	138.6	246.7	390.7	27.9	61.0
Oklahoma (east)	47.8	131.2	9.6	33.2	27.8	69.1	9.7	27.0	0.8	1.9
Tennessee	125.0	784.3	14.6	101.1	44.1	152.9	62.3	460.6	4.0	69.7
Texas (east)	326.6	358.8	27.7	57.1	59.6	114.1	213.9	174.1	25.3	13.5
All States	2,147.2	3,984.4	212.5	647.6	517.4	986.4	1,296.3	2,094.4	121.0	256.0

*Numbers in columns and rows may not total due to rounding.

[†]Heights measured only on trees ≥ 5.0 inches in diameter. All trees ≥ 1.0 inch in d.b.h. but < 5.0 inches in d.b.h. are placed in < 20-foot class.[‡]Softwood species.[§]Hardwood species.

Table 45.— Wood and bark fresh weight of crowns in live trees by State and height class, Midsouth States*

State	Height class in feet [†] (from 1-foot stump to tree top)									
	All classes		< 20		20–59		60–99		≥ 100	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
<i>Million tons</i>										
Alabama	100.2	230.0	7.0	34.6	38.3	73.6	50.6	109.5	4.2	12.4
Arkansas	58.8	238.1	4.5	23.7	22.3	81.0	29.9	117.2	2.2	16.1
Louisiana	80.0	192.9	4.2	14.2	23.7	45.5	46.9	113.3	5.2	19.8
Mississippi	74.1	232.6	4.5	21.5	22.8	55.1	41.7	129.0	5.1	26.9
Oklahoma (east)	8.3	44.5	1.1	7.2	5.6	27.0	1.5	9.7	0.1	0.6
Tennessee	27.2	255.3	1.8	22.5	12.2	60.4	12.4	147.2	0.8	25.2
Texas (east)	60.6	122.1	3.5	11.5	17.3	43.1	35.1	61.3	4.6	6.2
All States	409.2	1,315.5	26.7	135.2	142.3	385.8	218.0	687.1	22.2	107.3

*Numbers in columns and rows may not total due to rounding.

[†]Heights measured only on trees ≥ 5.0 inches in diameter. All trees ≥ 1.0 inch in d.b.h. but < 5.0 inches in d.b.h. are placed in < 20-foot class.[‡]Softwood species.[§]Hardwood species.

Table 46.— *Wood and bark dry weight of live trees by State and height class, Midsouth States**

State	Height class in feet [†] (from 1-foot stump to tree top)									
	All classes		< 20		20–59		60–99		≥ 100	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
<i>Million tons</i>										
Alabama	304.5	533.6	33.4	110.4	86.6	140.4	171.1	259.4	13.4	23.4
Arkansas	190.1	527.9	20.7	79.8	56.1	163.7	106.5	256.4	6.8	27.9
Louisiana	260.9	415.2	19.3	46.4	55.8	89.9	169.1	245.5	16.7	33.4
Mississippi	232.5	501.8	21.0	69.9	51.0	102.9	144.2	282.5	16.3	46.4
Oklahoma (east)	27.8	102.9	5.5	23.9	16.4	56.9	5.4	20.9	0.4	1.3
Tennessee	74.4	592.2	8.3	70.3	27.4	122.6	36.3	347.1	2.4	52.2
Texas (east)	192.4	259.0	16.4	37.8	38.7	84.4	122.7	126.5	14.6	10.3
All States	1,282.5	2,932.6	124.6	438.6	332.0	760.9	755.2	1,538.2	70.6	194.9

*Numbers in columns and rows may not total due to rounding.

[†]Heights measured only on trees ≥ 5.0 inches in diameter. All trees ≥ 1.0 inch in d.b.h. but < 5.0 inches in d.b.h. are placed in < 20-foot class.[‡]Softwood species.[§]Hardwood species.Table 47.— *Wood and bark dry weight of stems in live trees by State and height class, Midsouth States**

State	Height class in feet [†] (from 1-foot stump to tree top)									
	All classes		< 20		20–59		60–99		≥ 100	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
<i>Million tons</i>										
Alabama	257.9	413.4	31.1	100.3	68.8	100.1	146.7	196.6	11.3	16.4
Arkansas	163.1	396.8	19.4	73.4	45.8	116.7	92.2	188.0	5.7	18.7
Louisiana	222.5	309.5	18.1	42.6	44.3	64.8	146.0	179.9	14.1	22.1
Mississippi	197.5	377.8	19.7	64.3	40.1	73.3	124.0	208.9	13.8	31.4
Oklahoma (east)	24.1	78.6	5.2	21.9	13.8	40.6	4.7	15.1	0.4	1.0
Tennessee	63.0	449.6	7.8	64.6	22.2	87.4	30.9	260.0	2.0	37.6
Texas (east)	164.1	194.1	15.3	34.7	30.6	60.8	105.8	91.8	12.3	6.9
All States	1,092.1	2,219.8	116.5	401.8	265.6	543.7	650.4	1,140.1	59.6	134.2

*Numbers in columns and rows may not total due to rounding.

[†]Heights measured only on trees ≥ 5.0 inches in diameter. All trees ≥ 1.0 inch in d.b.h. but < 5.0 inches in d.b.h. are placed in < 20-foot class.[‡]Softwood species.[§]Hardwood species.Table 48.— *Wood and bark dry weight of crowns in live trees by State and height class, Midsouth States**

State	Height class in feet [†] (from 1-foot stump to tree top)									
	All classes		< 20		20–59		60–99		≥ 100	
	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]	Soft [‡]	Hard [§]
<i>Million tons</i>										
Alabama	46.6	120.1	2.3	10.1	17.8	40.3	24.4	62.8	2.1	7.0
Arkansas	27.0	131.1	1.3	6.5	10.4	47.0	14.2	68.4	1.1	9.2
Louisiana	38.5	105.8	1.2	3.8	11.5	25.1	23.1	65.6	2.6	11.3
Mississippi	34.9	124.0	1.3	5.7	10.9	29.7	20.2	73.6	2.5	15.0
Oklahoma (east)	3.6	24.4	0.3	2.0	2.5	16.3	0.7	5.8	0.1	0.3
Tennessee	11.4	142.5	0.5	5.7	5.2	35.2	5.4	87.1	0.4	14.5
Texas (east)	28.3	64.9	1.0	3.1	8.2	23.6	16.9	34.7	2.3	3.5
All States	190.4	712.8	8.1	36.8	66.5	217.2	104.9	398.0	11.0	60.8

*Numbers in columns and rows may not total due to rounding.

[†]Heights measured only on trees ≥ 5.0 inches in diameter. All trees ≥ 1.0 inch in d.b.h. but < 5.0 inches in d.b.h. are placed in < 20-foot class.[‡]Softwood species.[§]Hardwood species.

Table 49.— *Sampling errors* for estimates of wood and bark weight of live trees by State, tree component, and species group, Midsouth States*

State	Percent sampling error of fresh weight						Percent sampling error of dry weight					
	Total tree		Stem		Crown		Total tree		Stem		Crown	
	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]	Soft [†]	Hard [‡]
Alabama	2.0	1.6	2.0	1.6	2.0	1.7	2.0	1.6	2.0	1.6	2.0	1.8
Arkansas	2.6	1.6	2.6	1.5	2.6	1.7	2.6	1.5	2.6	1.5	2.6	1.7
Louisiana	2.4	2.0	2.4	2.0	2.4	2.2	2.3	2.1	2.4	2.0	2.4	2.3
Mississippi	2.3	1.7	2.4	1.7	2.3	1.8	2.3	1.7	2.3	1.7	2.3	2.0
Oklahoma (east)	6.3	3.0	6.4	3.0	6.3	3.1	6.3	2.9	6.3	2.9	6.4	3.2
Tennessee	4.1	1.2	4.1	1.2	4.2	1.3	4.1	1.2	4.1	1.2	4.2	1.4
Texas (east)	2.7	2.1	2.7	2.1	2.7	2.2	2.7	2.1	2.7	2.1	2.7	2.3

*See text for derivation of sampling error.

[†]Softwood species.

[‡]Hardwood species.

APPENDIX 4.—Figures

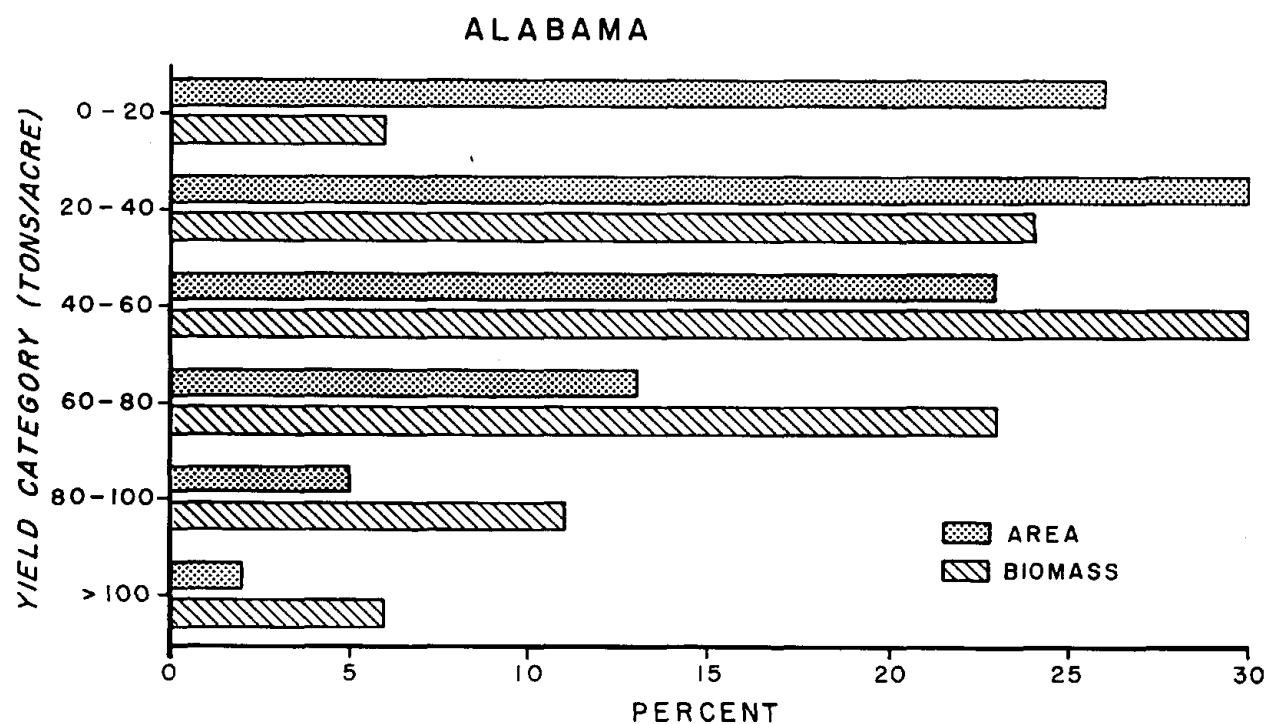


Figure 1.—*Effective density of total tree biomass and relative area of timberland by respective yield categories, Alabama, 1982.*

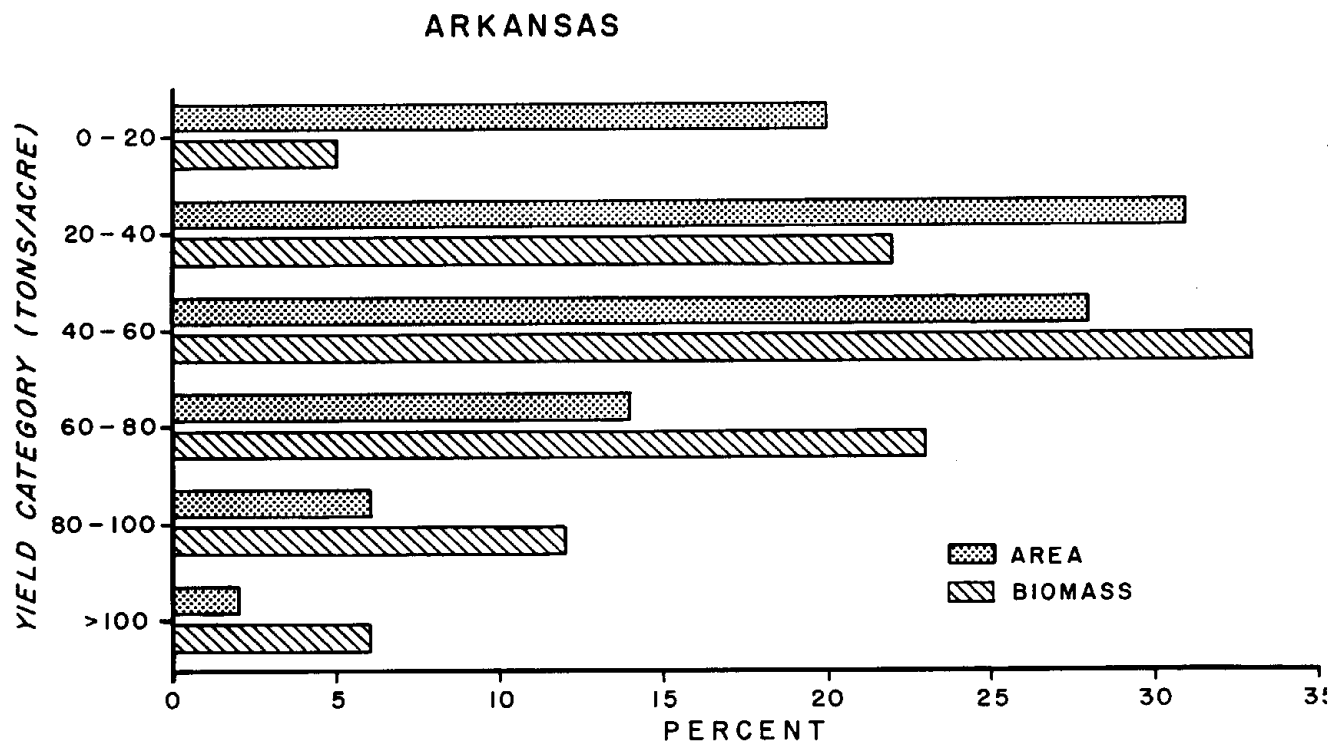


Figure 2.—Effective density of total tree biomass and relative area of timberland by respective yield categories, Arkansas, 1988.

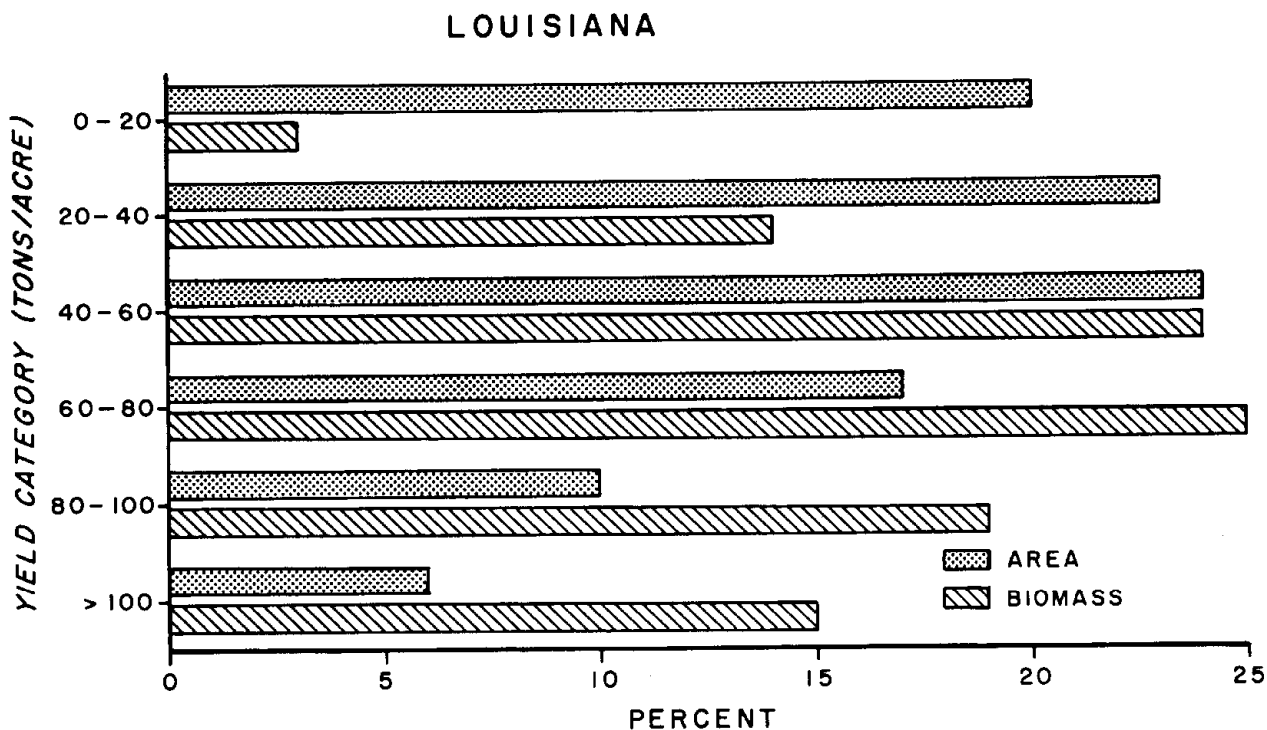


Figure 3.—Effective density of total tree biomass and relative area of timberland by respective yield categories, Louisiana, 1984.

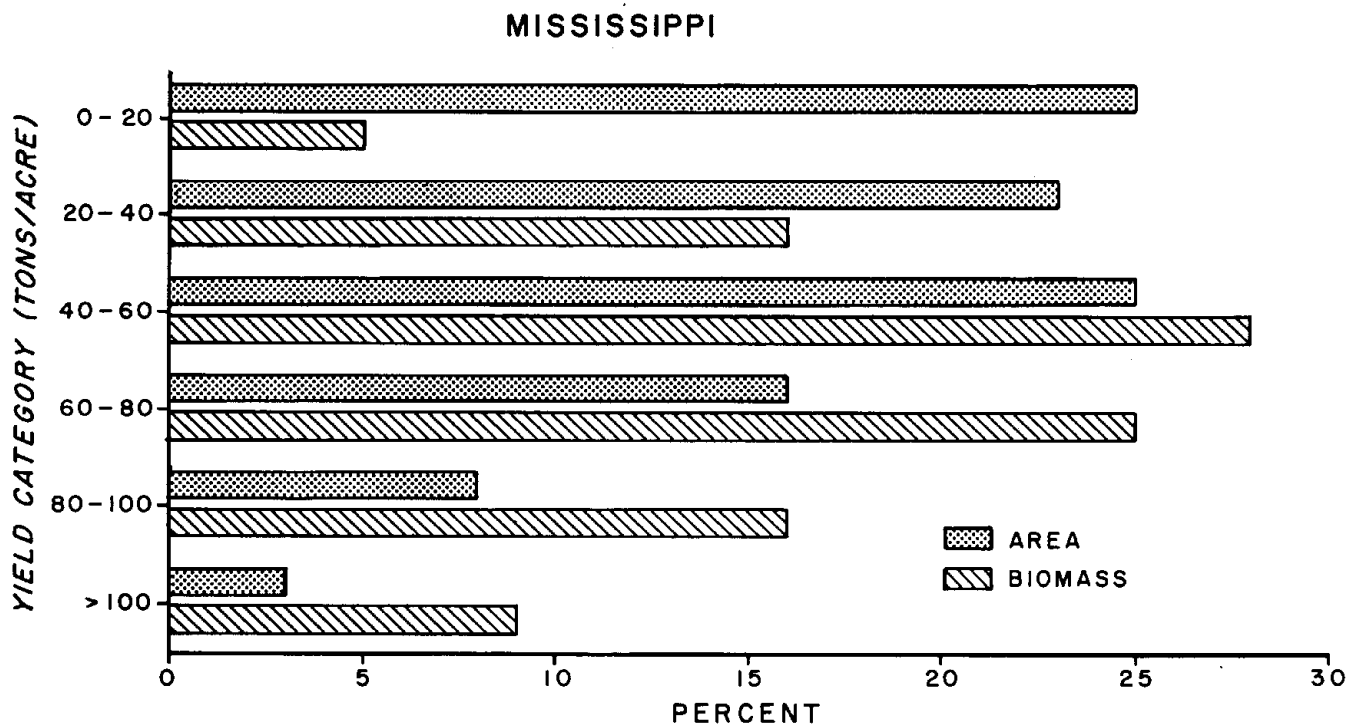


Figure 4.—Effective density of total tree biomass and relative area of timberland by respective yield categories, Mississippi, 1987.

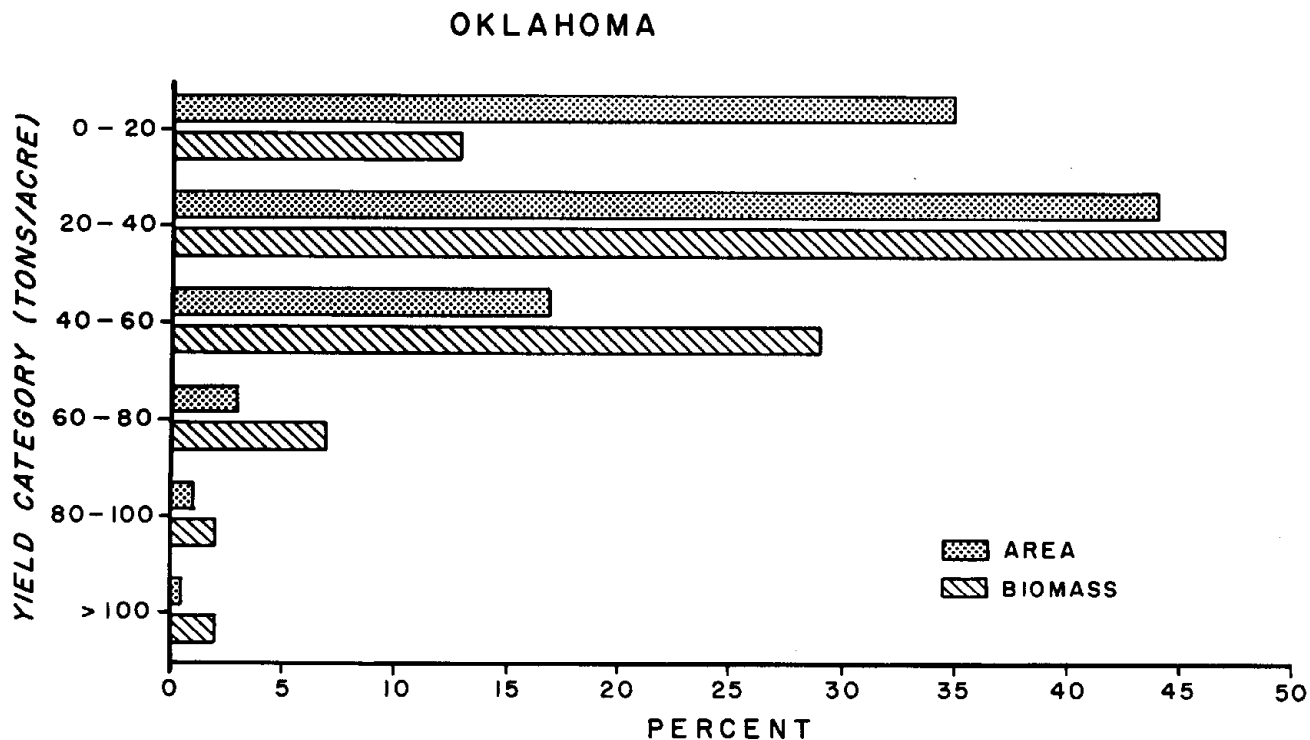


Figure 5.—Effective density of total tree biomass and relative area of timberland by respective yield categories, Oklahoma, 1986.

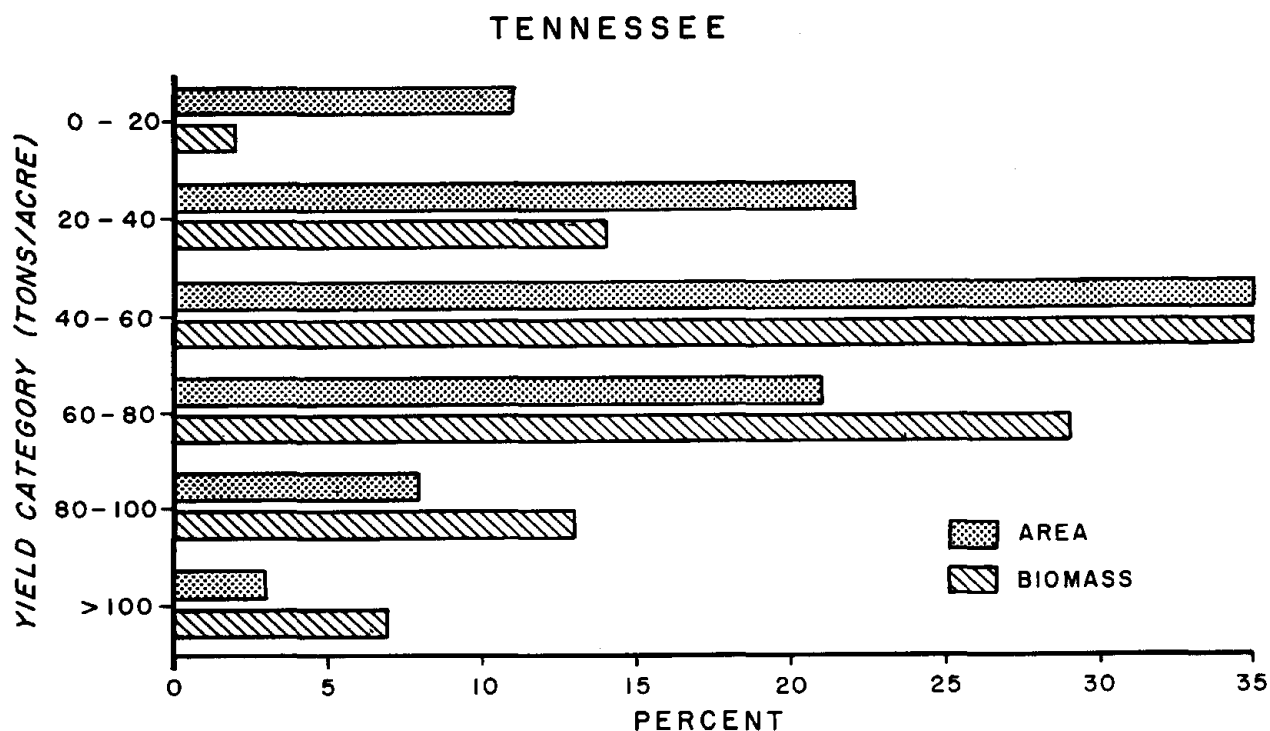


Figure 6.—Effective density of total tree biomass and relative area of timberland by respective yield categories, Tennessee, 1989.

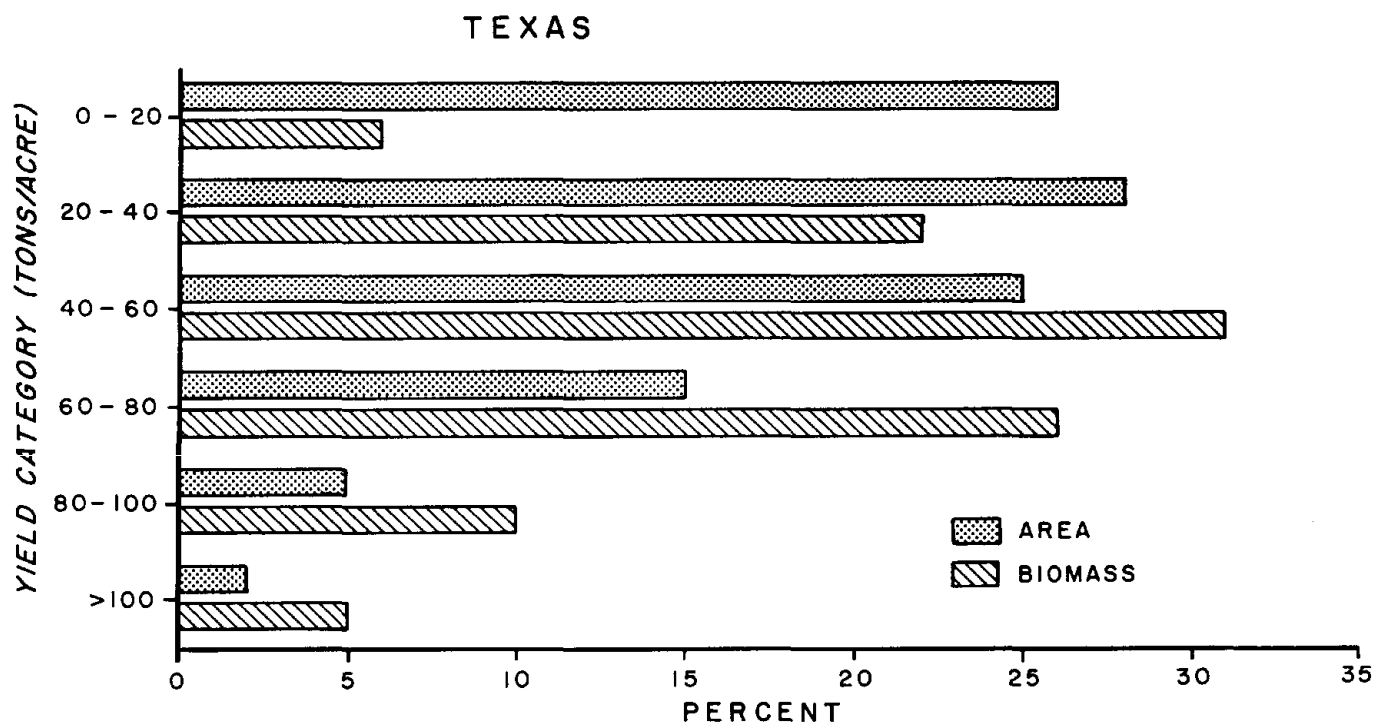


Figure 7.—Effective density of total tree biomass and relative area of timberland by respective yield categories, Texas, 1986.

Rosson, James F., Jr. 1992. The woody biomass resource of major tree taxa for the Midsouth States. Resour. Bull. SO-166. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 52 p.

Fresh and dry biomass estimates of major trees in seven Midsouth States by forest type, ownership, species, stand basal area, tree class, diameter, and height are tabulated. Information is presented for total tree, bole, and crown components.

Keywords: Forest inventory, forest land, green weight, large-scale sample, regional inventory.

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