

## List of Estimate Tables

Tables with growth, mortality, or removals, estimates for the 2013 inventory are based on data collected for time 1 from 2004 through 2008 and time 2 from 2009 through 2013. Other estimates for the 2013 inventory are based on data collected from 2009 through 2013 unless noted otherwise. Gaps in enumeration of tables are placeholders for future tables such as forest health indicator population estimates (e.g., down woody materials).

### Area

Table IA-1.—Percentage of area by land status, Iowa, 2013

Table IA-2.—Area of forest land, in thousand acres, by owner class and forest-land status, Iowa, 2013

Table IA-3.—Area of forest land, in thousand acres, by forest-type group and site productivity class, Iowa, 2013

Table IA-4.—Area of forest land, in thousand acres, by forest-type group, ownership group, and forest-land status, Iowa, 2013

Table IA-5.—Area of forest land, in thousand acres, by forest-type group and stand-size class, Iowa, 2013

Table IA-6.—Area of forest land, in thousand acres, by forest-type group and stand-age class, Iowa, 2013

Table IA-7.—Area of forest land, in thousand acres, by forest-type group and stand origin, Iowa, 2013

Table IA-8.—Area of forest land, in thousand acres, by forest-type group and disturbance class, Iowa, 2013

Table IA-9.—Area of timberland, in thousand acres, by forest-type group and stand-size class, Iowa, 2013

### Number

Table IA-10.—Number of live trees (at least 1 inch d.b.h./d.r.c.), in thousand trees, on forest land by species group, species, and diameter class, Iowa, 2013

Table IA-11.—Number of growing-stock trees (at least 5 inches d.b.h.), in thousand trees, on timberland by species group, species, and diameter class, Iowa, 2013

### Volume

Table IA-12.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status, Iowa, 2013

Table IA-13.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, Iowa, 2013

Table IA-14.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Table IA-15.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and diameter class, Iowa, 2013

Table IA-16.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand origin, Iowa, 2013

Table IA-17.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and diameter class, Iowa, 2013

Table IA-18.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

Table IA-19.—Net volume of sawtimber trees, in million board feet (International ¼-inch rule), on timberland by species group, species, and diameter class, Iowa, 2013

Table IA-19a.—Net volume of sawtimber trees, in million board feet (Doyle rule), on timberland by species group, species, and diameter class, Iowa, 2013

Table IA-19b.—Net volume of sawtimber trees, in million board feet (Scribner rule), on timberland by species group, species, and diameter class, Iowa, 2013

Table IA-20.—Net volume of saw-log portion of sawtimber trees, in million cubic feet, on timberland by species group and ownership group, Iowa, 2013

### **Growth, Mortality, and Removals**

Table IA-21.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status, Iowa, 2013

Table IA-21a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status using the accounting method (O’Connell et al. 2014), Iowa, 2013

Table IA-22.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, Iowa, 2013

Table IA-22a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class using the accounting method (O’Connell et al. 2014), Iowa, 2013

Table IA-23.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Table IA-23a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group using the accounting method (O’Connell et al. 2014), Iowa, 2013

Table IA-24.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

Table IA-24a.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on timberland by species group, species, and ownership group using the accounting method (O’Connell et al. 2014), Iowa, 2013

Table IA-25.—Average annual mortality of trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status, Iowa, 2013

Table IA-26.—Average annual mortality of trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, Iowa, 2013

Table IA-27.—Average annual mortality of trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Table IA-28.—Average annual mortality of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

Table IA-29.—Average annual removals of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Table IA-30.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

## Weight

Table IA-31.—Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c.), in thousand dry short tons, by owner class and forest-land status, Iowa, 2013

### County-Level

Table IA-54.—Area of forest land, in thousand acres, by inventory unit, county, and forest-land status, Iowa, 2013

Table IA-55.—Area of forest land, in thousand acres, by inventory unit, county, ownership group, and forest-land status, Iowa, 2013

Table IA-56.—Area of forest land, in thousand acres, by inventory unit, county, and forest-type group, Iowa, 2013

Table IA-57.—Area of timberland, in thousand acres, by inventory unit, county, and stand-size class, Iowa, 2013

Table IA-58.—Area of timberland, in thousand acres, by inventory unit, county, and stocking class, Iowa, 2013

Table IA-59.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (International ¼-inch rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-59a.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Doyle rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-59b.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Scribner rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-60.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (International ¼-inch rule) on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-60a.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Doyle rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-60b.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Scribner rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-61.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (International ¼-rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-61a.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Doyle rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-61b.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Scribner rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Table IA-65.—Sampling errors, in percent, for net volume, average annual net growth, average annual removals, and average annual mortality on timberland, and forest area and timberland area by inventory unit and county, Iowa, 2013

Table IA-1.—Percentage of area by land status, Iowa, 2013

Land status	Percentage of area
<b>Accessible forest land</b>	
Unreserved forest land	
Timberland	7.4
Unproductive	0.1
Total unreserved forest land	7.4
Reserved forest land	
Productive	0.2
Unproductive	--
Total reserved forest land	0.2
<b>All accessible forest land</b>	<b>7.7</b>
<b>Nonforest and other land</b>	
Nonforest land	90.0
Water	
Census	0.6
Non-Census	0.6
<b>All nonforest and other land</b>	<b>91.3</b>
<b>Nonsampled land</b>	
Access denied	1.0
Hazardous conditions	0.0
Other	--
<b>All land</b>	<b>100.0</b>
<b>Total area (thousands of acres)</b>	<b>36,014</b>

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the percentage rounds to less than 0.1 percent.  
Columns and rows may not add to their totals due to rounding.

Table IA-2.—Area of forest land, in thousand acres, by owner class and forest-land status, Iowa, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Other Federal</b>							
Fish and Wildlife Service	1.6	--	1.6	28.3	--	28.3	29.9
Department of Defense or Energy	84.8	--	84.8	3.4	--	3.4	88.2
<b>State and local government</b>							
State	144.9	--	144.9	43.5	--	43.5	188.4
Local (county, municipal, etc.)	83.1	--	83.1	15.1	--	15.1	98.2
<b>Private</b>							
Undifferentiated private	2,536.1	25.9	2,561.9	--	--	--	2,561.9
<b>All owners</b>	<b>2,850.4</b>	<b>25.9</b>	<b>2,876.3</b>	<b>90.3</b>	<b>--</b>	<b>90.3</b>	<b>2,966.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

Table IA-3.—Area of forest land, in thousand acres, by forest-type group and site productivity class, Iowa, 2013

Forest-type group	Site productivity class (cubic feet/acre/year)							All classes
	0-19	20-49	50-84	85-119	120-164	165-224	225+	
Other eastern softwoods group	1.3	23.5	0.2	2.9	--	--	--	27.9
Oak / pine group	--	57.9	23.3	6.9	--	--	--	88.0
Oak / hickory group	24.5	472.4	1,003.5	430.6	63.9	13.2	--	2,008.1
Elm / ash / cottonwood group	--	152.4	323.7	181.8	26.8	--	--	684.6
Maple / birch group	--	26.2	35.5	15.1	1.3	--	--	78.1
Aspen / birch group	--	--	7.4	1.9	--	--	--	9.3
Other hardwoods group	--	12.2	5.5	--	--	--	--	17.7
Exotic hardwoods group	--	7.7	3.4	1.5	--	--	--	12.6
Nonstocked	--	14.0	18.6	7.7	--	--	--	40.3
<b>All forest-type groups</b>	<b>25.9</b>	<b>766.1</b>	<b>1,421.1</b>	<b>648.3</b>	<b>92.0</b>	<b>13.2</b>	<b>--</b>	<b>2,966.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

Table IA-4.—Area of forest land, in thousand acres, by forest-type group, ownership group, and forest-land status, Iowa, 2013

Forest-type group	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	
Other eastern softwoods group	--	--	--	--	--	--	26.6	1.3	27.9
Oak / pine group	--	--	--	--	11.3	--	76.7	--	88.0
Oak / hickory group	--	--	60.7	3.4	152.5	45.2	1,721.8	24.5	2,008.1
Elm / ash / cottonwood group	--	--	25.7	28.3	56.7	13.4	560.5	--	684.6
Maple / birch group	--	--	--	--	2.0	--	76.1	--	78.1
Aspen / birch group	--	--	--	--	--	--	9.3	--	9.3
Other hardwoods group	--	--	--	--	2.2	--	15.5	--	17.7
Exotic hardwoods group	--	--	--	--	--	--	12.6	--	12.6
Nonstocked	--	--	--	--	3.3	--	36.9	--	40.3
<b>All forest-type groups</b>	--	--	86.4	31.7	227.9	58.6	2,536.1	25.9	2,966.5

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

**Table IA-5.—Area of forest land, in thousand acres, by forest-type group and stand-size class, Iowa, 2013**

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
Other eastern softwoods group	2.3	1.3	24.3	--	--	27.9
Oak / pine group	29.3	16.2	42.5	--	--	88.0
Oak / hickory group	1,442.7	377.7	187.8	--	--	2,008.1
Elm / ash / cottonwood group	498.9	121.4	64.4	--	--	684.6
Maple / birch group	74.2	1.3	2.6	--	--	78.1
Aspen / birch group	9.3	--	--	--	--	9.3
Other hardwoods group	--	--	17.7	--	--	17.7
Exotic hardwoods group	4.9	7.7	--	--	--	12.6
Nonstocked	--	--	--	--	40.3	40.3
<b>All forest-type groups</b>	<b>2,061.6</b>	<b>525.6</b>	<b>339.2</b>	<b>--</b>	<b>40.3</b>	<b>2,966.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.



Table IA-6.—Area of forest land, in thousand acres, by forest-type group and stand-age class, Iowa, 2013

Forest-type group	Non stocked	Stand-age class (years)											All classes
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+	
Other eastern softwoods group	--	7.5	18.1	2.3	--	--	--	--	--	--	--	--	27.9
Oak / pine group	--	8.7	38.2	31.9	9.3	--	--	--	--	--	--	--	88.0
Oak / hickory group	--	53.2	310.8	643.9	552.0	270.2	95.0	65.8	9.4	7.7	--	--	2,008.1
Elm / ash / cottonwood group	--	42.6	160.3	279.8	171.6	26.1	--	--	4.2	--	--	--	684.6
Maple / birch group	--	--	--	18.8	36.5	22.8	--	--	--	--	--	--	78.1
Aspen / birch group	--	--	7.4	1.9	--	--	--	--	--	--	--	--	9.3
Other hardwoods group	--	--	12.2	5.5	--	--	--	--	--	--	--	--	17.7
Exotic hardwoods group	--	--	9.2	3.4	--	--	--	--	--	--	--	--	12.6
Nonstocked	40.3	--	--	--	--	--	--	--	--	--	--	--	40.3
<b>All forest-type groups</b>	<b>40.3</b>	<b>112.0</b>	<b>556.1</b>	<b>987.6</b>	<b>769.4</b>	<b>319.1</b>	<b>95.0</b>	<b>65.8</b>	<b>13.6</b>	<b>7.7</b>	<b>--</b>	<b>--</b>	<b>2,966.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

**Table IA-7.—Area of forest land, in thousand acres, by forest-type group and stand origin, Iowa, 2013**

Forest-type group	Stand origin		All forest land
	Natural stands	Artificial regeneration	
Other eastern softwoods group	27.9	--	27.9
Oak / pine group	85.2	2.8	88.0
Oak / hickory group	1,998.5	9.6	2,008.1
Elm / ash / cottonwood group	668.7	15.9	684.6
Maple / birch group	78.1	--	78.1
Aspen / birch group	9.3	--	9.3
Other hardwoods group	17.7	--	17.7
Exotic hardwoods group	12.6	--	12.6
Nonstocked	37.1	3.1	40.3
<b>All forest-type groups</b>	<b>2,935.1</b>	<b>31.4</b>	<b>2,966.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

**Table IA-8.—Area of forest land, in thousand acres, by forest-type group and disturbance class, Iowa, 2013**

Forest-type group	Disturbance class									All forest land
	None	Insects	Disease	Weather	Fire	Domestic animals	Wild animals	Human	Other	
Other eastern softwoods group	24.3	--	--	--	--	3.6	--	--	--	27.9
Oak / pine group	58.5	--	5.9	--	--	23.6	--	--	--	88.0
Oak / hickory group	1,538.9	--	107.3	27.8	9.8	306.6	4.1	13.8	--	2,008.1
Elm / ash / cottonwood group	517.6	--	33.2	44.2	4.1	65.9	10.8	--	8.8	684.6
Maple / birch group	60.9	--	2.6	--	--	14.6	--	--	--	78.1
Aspen / birch group	9.3	--	--	--	--	--	--	--	--	9.3
Other hardwoods group	6.7	--	5.5	--	--	5.4	--	--	--	17.7
Exotic hardwoods group	9.2	--	--	--	--	3.4	--	--	--	12.6
Nonstocked	25.2	--	--	--	--	13.6	1.5	--	--	40.3
<b>All forest-type groups</b>	<b>2,250.5</b>	<b>--</b>	<b>154.6</b>	<b>72.0</b>	<b>13.8</b>	<b>436.7</b>	<b>16.4</b>	<b>13.8</b>	<b>8.8</b>	<b>2,966.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

**Table IA-9.—Area of timberland, in thousand acres, by forest-type group and stand-size class, Iowa, 2013**

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
Other eastern softwoods group	2.3	--	24.3	--	--	26.6
Oak / pine group	29.3	16.2	42.5	--	--	88.0
Oak / hickory group	1,386.0	366.3	182.6	--	--	1,935.0
Elm / ash / cottonwood group	474.6	106.3	62.0	--	--	642.9
Maple / birch group	74.2	1.3	2.6	--	--	78.1
Aspen / birch group	9.3	--	--	--	--	9.3
Other hardwoods group	--	--	17.7	--	--	17.7
Exotic hardwoods group	4.9	7.7	--	--	--	12.6
Nonstocked	--	--	--	--	40.3	40.3
<b>All forest-type groups</b>	<b>1,980.6</b>	<b>497.9</b>	<b>331.6</b>	<b>--</b>	<b>40.3</b>	<b>2,850.4</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

Table IA-10.—Number of live trees (at least 1 inch d.b.h./d.r.c.), in thousand trees, on forest land by species group, species, and diameter class, Iowa, 2013

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Softwood species groups</b>																
<b>Eastern softwood species groups</b>																
Eastern white and red pines																
Red pine	--	--	--	30	--	30	--	--	--	--	--	--	--	--	--	60
Eastern white pine	--	--	33	--	--	--	44	--	--	--	--	--	--	--	--	77
Group subtotal	--	--	33	30	--	30	44	--	--	--	--	--	--	--	--	138
Other eastern softwoods																
Eastern redcedar	11,922	8,298	7,785	2,900	1,771	901	415	137	--	--	--	--	--	--	--	34,127
Ponderosa pine	--	--	44	57	--	--	--	--	--	--	--	--	--	--	--	101
Group subtotal	11,922	8,298	7,829	2,956	1,771	901	415	137	--	--	--	--	--	--	--	34,228
<b>All softwoods</b>	11,922	8,298	7,862	2,987	1,771	931	459	137	--	--	--	--	--	--	--	34,365

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Hardwood species groups</b>																
<b>Eastern hardwood species groups</b>																
Select white oaks																
White oak	2,290	3,125	1,363	2,098	2,270	3,401	1,623	1,499	1,068	907	1,205	262	69	44	46	21,270
Swamp white oak	--	--	108	277	87	108	74	98	--	--	80	--	--	--	--	831
Bur oak	7,627	5,397	2,880	2,950	2,321	2,385	2,064	1,303	1,299	1,107	1,636	620	275	139	44	32,048
Chinkapin oak	--	1,224	147	183	101	44	--	--	--	--	26	--	--	--	--	1,725
Group subtotal	9,918	9,746	4,498	5,508	4,779	5,939	3,760	2,900	2,366	2,014	2,946	881	344	184	91	55,874
Select red oaks																
Northern red oak	3,456	3,892	1,470	1,262	963	1,242	1,241	1,129	954	818	548	283	175	--	46	17,479
Group subtotal	3,456	3,892	1,470	1,262	963	1,242	1,241	1,129	954	818	548	283	175	--	46	17,479
Other white oaks																
Post oak	--	--	74	37	74	--	--	--	--	--	--	--	--	--	--	184
Group subtotal	--	--	74	37	74	--	--	--	--	--	--	--	--	--	--	184
Other red oaks																
Northern pin oak	--	442	199	144	287	80	204	108	194	99	262	36	--	--	--	2,054
Shingle oak	9,632	6,284	1,637	1,172	751	490	219	154	123	170	--	--	--	--	--	20,632
Pin oak	--	--	184	110	110	--	74	--	--	--	--	--	--	37	--	515
Black oak	1,790	900	1,206	765	902	707	916	716	540	195	317	111	--	--	--	9,063
Group subtotal	11,422	7,626	3,225	2,191	2,051	1,276	1,413	978	856	464	579	146	--	37	--	32,264
Hickory																
Bitternut hickory	19,980	6,082	4,088	2,590	1,581	1,035	506	353	93	28	35	--	--	--	--	36,371
Pignut hickory	--	--	56	74	74	--	--	--	--	--	--	--	--	--	--	203
Shagbark hickory	19,833	8,222	6,326	4,636	3,106	2,116	1,358	759	231	118	164	--	--	--	--	46,869
Mockernut hickory	458	916	277	74	--	74	--	--	--	--	--	--	--	--	--	1,798
Group subtotal	40,271	15,220	10,747	7,374	4,760	3,225	1,864	1,111	323	146	200	--	--	--	--	85,241

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hard maple																
Black maple	12,198	3,412	1,292	552	724	523	595	164	89	77	138	33	30	- -	- -	19,826
Sugar maple	17,388	3,344	1,539	1,098	753	482	433	246	150	77	89	44	- -	- -	- -	25,643
Group subtotal	29,586	6,756	2,831	1,649	1,477	1,005	1,028	410	239	153	226	77	30	- -	- -	45,469
Soft maple																
Silver maple	9,013	5,617	2,630	2,219	2,017	2,222	1,717	2,022	1,046	837	1,044	396	229	52	128	31,187
Group subtotal	9,013	5,617	2,630	2,219	2,017	2,222	1,717	2,022	1,046	837	1,044	396	229	52	128	31,187
Ash																
White ash	15,908	2,477	2,100	1,612	1,002	663	310	307	155	126	46	- -	- -	- -	44	24,749
Black ash	2,536	1,513	264	121	44	44	72	- -	- -	26	- -	- -	- -	- -	- -	4,621
Green ash	6,784	5,386	3,096	2,362	1,687	869	361	327	132	308	69	- -	- -	- -	- -	21,380
Group subtotal	25,228	9,375	5,460	4,096	2,733	1,577	744	634	287	459	115	- -	- -	- -	44	50,751
Cottonwood and aspen																
Eastern cottonwood	1,560	4,128	1,151	958	1,088	809	756	612	306	377	577	377	249	96	205	13,249
Bigtooth aspen	1,731	577	152	- -	91	91	267	- -	- -	- -	- -	- -	- -	- -	- -	2,908
Quaking aspen	- -	1,107	222	323	77	109	44	- -	- -	- -	- -	- -	- -	- -	- -	1,883
Group subtotal	3,291	5,812	1,525	1,281	1,255	1,009	1,068	612	306	377	577	377	249	96	205	18,040
Basswood																
American basswood	14,078	9,706	3,711	2,686	2,370	1,614	802	948	526	524	303	293	44	- -	- -	37,606
Group subtotal	14,078	9,706	3,711	2,686	2,370	1,614	802	948	526	524	303	293	44	- -	- -	37,606
Black walnut																
Black walnut	11,631	6,389	6,119	3,569	3,157	2,774	2,288	1,799	1,224	734	452	181	65	- -	- -	40,382
Group subtotal	11,631	6,389	6,119	3,569	3,157	2,774	2,288	1,799	1,224	734	452	181	65	- -	- -	40,382

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern soft hardwoods																
Boxelder	18,193	8,946	7,175	4,121	2,847	1,623	1,148	822	155	104	217	73	37	--	--	45,460
Ohio buckeye	6,814	2,748	720	294	74	37	37	110	37	37	--	--	--	--	--	10,907
River birch	442	884	316	174	128	122	38	--	--	--	--	--	--	--	--	2,104
Paper birch	458	916	89	44	--	--	--	--	--	--	--	--	--	--	--	1,508
Northern catalpa	--	--	37	74	74	110	--	--	--	--	--	--	--	--	--	294
Hackberry	35,730	16,516	7,624	5,472	3,047	2,287	1,284	1,056	625	308	359	82	123	--	--	74,512
Butternut	--	--	--	--	--	44	--	--	--	--	--	--	--	--	--	44
American sycamore	1,338	--	285	46	82	26	--	--	--	--	--	28	--	--	--	1,804
Black cherry	19,193	5,881	4,992	3,516	1,980	1,048	558	331	107	--	89	--	--	--	--	37,694
Black willow	3,314	2,643	1,782	1,036	516	208	106	266	36	35	102	138	--	--	--	10,181
American elm	61,478	28,086	14,598	8,745	3,914	2,220	1,375	692	337	117	75	--	--	--	--	121,636
Siberian elm	446	575	881	1,088	531	147	254	129	79	71	--	--	--	--	--	4,202
Slippery elm	22,167	7,195	4,293	2,358	1,228	995	445	395	137	69	52	52	46	--	--	39,430
Group subtotal	169,573	74,390	42,791	26,968	14,418	8,865	5,244	3,802	1,512	742	893	372	206	--	--	349,776
Other eastern hard hardwoods																
Honeylocust	4,677	4,117	3,090	2,263	2,193	1,435	1,216	742	498	378	127	36	46	41	--	20,861
Kentucky coffeetree	347	--	--	37	--	--	--	--	--	--	--	--	--	--	--	384
White mulberry	--	--	37	--	--	--	--	--	--	--	--	--	--	--	--	37
Red mulberry	23,435	12,909	6,596	3,427	2,037	1,035	534	74	130	32	37	--	--	--	--	50,246
Oak spp.	350	350	56	28	--	--	--	--	--	--	--	--	--	--	--	785
Black locust	9,404	7,996	1,703	1,123	999	442	284	288	167	30	74	--	--	--	--	22,508
Group subtotal	38,213	25,372	11,483	6,878	5,229	2,912	2,034	1,103	795	441	238	36	46	41	--	94,821

(Table 10 continued on next page)



(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Eastern noncommercial hardwoods																
Ailanthus	--	--	--	--	--	37	--	--	--	--	--	--	--	--	--	37
Serviceberry spp.	1,751	458	37	--	--	--	--	--	--	--	--	--	--	--	--	2,246
American hornbeam, musclewood	14,187	553	--	--	--	--	--	--	--	--	--	--	--	--	--	14,741
Eastern redbud	805	724	101	56	28	--	--	--	--	--	--	--	--	--	--	1,714
Hawthorn spp.	12,218	2,024	520	89	32	--	--	--	--	--	--	--	--	--	--	14,883
Osage-orange	12,373	10,165	3,983	2,120	1,276	687	188	73	--	--	--	37	--	--	--	30,902
Apple spp.	--	--	174	79	--	--	--	--	--	--	--	--	--	--	--	253
Eastern hophornbeam	59,423	24,820	6,268	1,344	414	--	44	--	--	--	--	--	--	--	--	92,314
Chokecherry	7,562	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7,562
American plum	16,373	642	64	44	--	--	--	--	--	--	--	--	--	--	--	17,122
Peachleaf willow	--	--	--	--	--	--	98	--	--	--	--	--	--	--	--	98
Russian-olive	--	--	28	--	--	--	--	--	--	--	--	--	--	--	--	28
Group subtotal	124,692	39,386	11,175	3,732	1,750	723	331	73	--	--	--	37	--	--	--	181,899
<b>All hardwoods</b>	<b>490,371</b>	<b>219,287</b>	<b>107,738</b>	<b>69,449</b>	<b>47,034</b>	<b>34,383</b>	<b>23,534</b>	<b>17,520</b>	<b>10,435</b>	<b>7,707</b>	<b>8,122</b>	<b>3,080</b>	<b>1,389</b>	<b>410</b>	<b>515</b>	<b>1,040,973</b>
<b>All species groups</b>	<b>502,293</b>	<b>227,585</b>	<b>115,599</b>	<b>72,436</b>	<b>48,804</b>	<b>35,314</b>	<b>23,993</b>	<b>17,657</b>	<b>10,435</b>	<b>7,707</b>	<b>8,122</b>	<b>3,080</b>	<b>1,389</b>	<b>410</b>	<b>515</b>	<b>1,075,338</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0 indicates the number of trees rounds to less than 1,000 trees.

Columns and rows may not add to their totals due to rounding.

Table IA-11.—Number of growing-stock trees (at least 5 inches d.b.h.), in thousand trees, on timberland by species group, species, and diameter class, Iowa, 2013

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Softwood species groups</b>														
<b>Eastern softwood species groups</b>														
Eastern white and red pines														
Red pine	--	30	--	30	--	--	--	--	--	--	--	--	--	60
Eastern white pine	33	--	--	--	--	--	--	--	--	--	--	--	--	33
Group subtotal	33	30	--	30	--	--	--	--	--	--	--	--	--	93
Other eastern softwoods														
Eastern redcedar	2,944	602	695	83	158	35	--	--	--	--	--	--	--	4,518
Ponderosa pine	44	57	--	--	--	--	--	--	--	--	--	--	--	101
Group subtotal	2,989	659	695	83	158	35	--	--	--	--	--	--	--	4,619
<b>All softwoods</b>	<b>3,021</b>	<b>689</b>	<b>695</b>	<b>113</b>	<b>158</b>	<b>35</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>4,712</b>

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Hardwood species groups</b>														
<b>Eastern hardwood species groups</b>														
Select white oaks														
White oak	1,253	2,022	2,017	2,940	1,550	1,292	897	842	886	173	--	--	46	13,918
Swamp white oak	108	110	43	72	37	--	--	--	80	--	--	--	--	450
Bur oak	1,498	1,639	1,423	1,343	1,132	631	815	393	705	330	173	68	44	10,194
Chinkapin oak	81	37	65	44	--	--	--	--	--	--	--	--	--	227
Group subtotal	2,941	3,808	3,548	4,399	2,719	1,923	1,712	1,234	1,671	503	173	68	91	24,790
Select red oaks														
Northern red oak	1,006	1,204	822	1,170	1,135	1,046	889	758	389	220	143	--	--	8,780
Group subtotal	1,006	1,204	822	1,170	1,135	1,046	889	758	389	220	143	--	--	8,780
Other white oaks														
Post oak	74	37	37	--	--	--	--	--	--	--	--	--	--	147
Group subtotal	74	37	37	--	--	--	--	--	--	--	--	--	--	147
Other red oaks														
Northern pin oak	199	144	192	44	204	72	194	71	226	36	--	--	--	1,382
Shingle oak	924	640	412	327	110	154	37	170	--	--	--	--	--	2,772
Pin oak	184	110	110	--	74	--	--	--	--	--	--	37	--	515
Black oak	754	679	644	562	668	569	339	153	272	28	--	--	--	4,668
Group subtotal	2,060	1,572	1,359	933	1,056	795	569	394	499	63	--	37	--	9,338

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hickory														
Bitternut hickory	3,152	2,030	1,311	758	383	269	37	28	35	--	--	--	--	8,003
Pignut hickory	--	74	37	--	--	--	--	--	--	--	--	--	--	110
Shagbark hickory	5,115	3,902	2,567	1,834	1,178	579	187	81	118	--	--	--	--	15,562
Mockernut hickory	277	74	--	74	--	--	--	--	--	--	--	--	--	424
Group subtotal	8,544	6,079	3,915	2,666	1,561	848	224	109	153	--	--	--	--	24,099
Hard maple														
Black maple	1,136	519	606	416	446	91	89	46	138	--	30	--	--	3,517
Sugar maple	1,340	887	708	388	433	246	150	77	89	--	--	--	--	4,319
Group subtotal	2,476	1,406	1,314	804	879	337	239	123	226	--	30	--	--	7,835
Soft maple														
Silver maple	1,573	1,053	900	1,399	1,339	1,325	456	568	444	143	52	--	--	9,252
Group subtotal	1,573	1,053	900	1,399	1,339	1,325	456	568	444	143	52	--	--	9,252
Ash														
White ash	1,337	811	814	493	273	307	155	--	46	--	--	--	--	4,237
Black ash	143	77	44	44	36	--	--	26	--	--	--	--	--	370
Green ash	1,632	1,020	794	619	204	255	35	258	32	--	--	--	--	4,851
Group subtotal	3,112	1,908	1,653	1,157	513	562	190	284	79	--	--	--	--	9,458

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Cottonwood and aspen														
Eastern cottonwood	995	890	1,007	772	716	612	306	377	549	377	220	96	121	7,039
Bigtooth aspen	152	--	91	91	267	--	--	--	--	--	--	--	--	601
Quaking aspen	222	278	77	109	44	--	--	--	--	--	--	--	--	731
Group subtotal	1,370	1,168	1,175	972	1,028	612	306	377	549	377	220	96	121	8,371
Basswood														
American basswood	2,396	1,675	1,725	1,421	647	814	340	343	212	263	44	--	--	9,881
Group subtotal	2,396	1,675	1,725	1,421	647	814	340	343	212	263	44	--	--	9,881
Black w alnut														
Black w alnut	3,968	2,140	2,215	2,259	1,804	1,488	1,131	604	452	37	--	--	--	16,098
Group subtotal	3,968	2,140	2,215	2,259	1,804	1,488	1,131	604	452	37	--	--	--	16,098

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern soft hardwoods														
Boxelder	1,147	352	240	226	181	--	--	36	--	--	--	--	--	2,181
Ohio buckeye	110	74	37	37	37	37	--	37	--	--	--	--	--	368
River birch	281	139	92	46	38	--	--	--	--	--	--	--	--	596
Paper birch	89	--	--	--	--	--	--	--	--	--	--	--	--	89
Hackberry	4,721	3,685	2,231	1,787	1,163	921	573	256	235	82	46	--	--	15,701
American sycamore	167	46	82	26	--	--	--	--	--	28	--	--	--	349
Black cherry	1,667	1,474	1,093	589	343	251	71	--	89	--	--	--	--	5,577
Black w willow	468	389	155	--	69	37	36	--	--	65	--	--	--	1,220
American elm	7,166	5,310	2,328	1,059	795	173	183	81	--	--	--	--	--	17,095
Siberian elm	96	382	183	119	35	35	43	--	--	--	--	--	--	894
Slippery elm	2,383	1,695	1,089	716	336	187	74	69	--	52	46	--	--	6,647
Group subtotal	18,296	13,545	7,529	4,605	2,996	1,641	980	479	324	227	93	--	--	50,715
Other eastern hard hardwoods														
Honeylocust	1,283	1,219	982	384	460	387	312	203	44	--	--	--	--	5,275
Kentucky coffeetree	--	37	--	--	--	--	--	--	--	--	--	--	--	37
Red mulberry	223	30	44	--	78	--	--	--	--	--	--	--	--	375
Black locust	933	843	777	333	181	221	74	--	74	--	--	--	--	3,435
Group subtotal	2,439	2,129	1,804	717	719	608	386	203	118	--	--	--	--	9,122
<b>All hardwoods</b>	<b>50,255</b>	<b>37,725</b>	<b>27,996</b>	<b>22,502</b>	<b>16,396</b>	<b>11,999</b>	<b>7,422</b>	<b>5,477</b>	<b>5,116</b>	<b>1,833</b>	<b>755</b>	<b>201</b>	<b>211</b>	<b>187,886</b>
<b>All species groups</b>	<b>53,276</b>	<b>38,414</b>	<b>28,691</b>	<b>22,615</b>	<b>16,554</b>	<b>12,034</b>	<b>7,422</b>	<b>5,477</b>	<b>5,116</b>	<b>1,833</b>	<b>755</b>	<b>201</b>	<b>211</b>	<b>192,599</b>

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0 indicates the number of trees rounds to less than 1,000 trees.  
Columns and rows may not add to their totals due to rounding.

Table IA-12.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status, Iowa, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Other Federal</b>							
Fish and Wildlife Service	6.7	--	6.7	83.0	--	83.0	89.7
Department of Defense or Energy	119.8	--	119.8	0.4	--	0.4	120.2
<b>State and local government</b>							
State	297.0	--	297.0	74.3	--	74.3	371.3
Local (county, municipal, etc.)	117.0	--	117.0	26.1	--	26.1	143.1
<b>Private</b>							
Undifferentiated private	3,774.0	42.2	3,816.2	--	--	--	3,816.2
<b>All owners</b>	<b>4,314.5</b>	<b>42.2</b>	<b>4,356.7</b>	<b>183.8</b>	<b>--</b>	<b>183.8</b>	<b>4,540.5</b>

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-13.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, Iowa, 2013

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
Other eastern softwoods group	5.1	--	3.5	--	--	8.6
Oak / pine group	23.9	9.5	8.4	--	--	41.9
Oak / hickory group	2,656.1	319.4	43.5	--	--	3,019.0
Elm / ash / cottonwood group	1,182.8	106.3	19.1	--	--	1,308.2
Maple / birch group	133.5	--	0.6	--	--	134.1
Aspen / birch group	11.7	--	--	--	--	11.7
Other hardwoods group	--	--	3.9	--	--	3.9
Exotic hardwoods group	5.6	5.8	--	--	--	11.4
Nonstocked	--	--	--	--	1.6	1.6
<b>All forest-type groups</b>	<b>4,018.8</b>	<b>441.0</b>	<b>79.1</b>	<b>--</b>	<b>1.6</b>	<b>4,540.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.



Table IA-14.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Eastern white and red pines					
Red pine	--	--	0.5	--	0.5
Eastern white pine	--	--	--	1.0	1.0
Group subtotal	--	--	0.5	1.0	1.5
Other eastern softwoods					
Eastern redcedar	--	2.8	6.4	51.2	60.4
Ponderosa pine	--	--	--	0.5	0.5
Group subtotal	--	2.8	6.4	51.6	60.8
<b>All softwoods</b>	--	2.8	6.9	52.6	62.3

(Table 14 continued on next page)

(Table 14 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	29.5	48.8	300.7	379.0
Swamp white oak	--	2.3	--	11.9	14.2
Bur oak	--	1.2	26.1	445.8	473.1
Chinkapin oak	--	1.8	0.4	2.1	4.3
Group subtotal	--	34.7	75.4	760.6	870.6
Select red oaks					
Northern red oak	--	14.0	48.5	226.1	288.6
Group subtotal	--	14.0	48.5	226.1	288.6
Other white oaks					
Post oak	--	--	--	0.9	0.9
Group subtotal	--	--	--	0.9	0.9
Other red oaks					
Northern pin oak	--	--	--	46.0	46.0
Shingle oak	--	--	0.4	44.4	44.7
Pin oak	--	--	9.9	1.6	11.5
Black oak	--	5.6	10.5	109.3	125.4
Group subtotal	--	5.6	20.8	201.3	227.6
Hickory					
Bitternut hickory	--	1.6	6.8	75.7	84.1
Pignut hickory	--	--	--	1.3	1.3
Shagbark hickory	--	3.6	16.6	163.4	183.6
Mockernut hickory	--	--	--	2.1	2.1
Group subtotal	--	5.2	23.4	242.5	271.1
Hard maple					
Black maple	--	0.5	14.2	57.2	71.9
Sugar maple	--	0.9	4.6	61.6	67.0
Group subtotal	--	1.4	18.8	118.8	138.9
Soft maple					
Silver maple	--	82.8	53.0	323.0	458.8
Group subtotal	--	82.8	53.0	323.0	458.8
Ash					
White ash	--	1.0	2.1	64.4	67.6
Black ash	--	1.2	0.1	3.6	4.9
Green ash	--	1.6	20.8	66.0	88.3
Group subtotal	--	3.9	23.0	134.0	160.8
Cottonwood and aspen					
Eastern cottonwood	--	12.5	77.5	252.8	342.7
Bigtooth aspen	--	--	0.2	9.2	9.4
Quaking aspen	--	--	0.1	5.8	6.0
Group subtotal	--	12.5	77.8	267.7	358.0

(Table 14 continued on next page)

(Table 14 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Basswood					
American basswood	--	7.9	31.5	184.8	224.1
Group subtotal	--	7.9	31.5	184.8	224.1
Black walnut					
Black walnut	--	1.7	39.4	280.0	321.1
Group subtotal	--	1.7	39.4	280.0	321.1
Other eastern soft hardwoods					
Boxelder	--	1.7	13.2	119.5	134.4
Ohio buckeye	--	0.1	--	10.0	10.1
River birch	--	--	--	4.8	4.8
Paper birch	--	--	--	0.3	0.3
Northern catalpa	--	--	--	2.0	2.0
Hackberry	--	6.3	9.6	223.3	239.2
Butternut	--	--	--	0.4	0.4
American sycamore	--	0.6	1.2	3.8	5.7
Black cherry	--	0.9	11.7	71.2	83.8
Black willow	--	5.3	2.9	37.7	45.9
American elm	--	8.7	16.0	163.7	188.3
Siberian elm	--	--	0.7	23.5	24.3
Slippery elm	--	0.3	10.0	76.4	86.7
Group subtotal	--	24.0	65.2	736.7	825.9
Other eastern hard hardwoods					
Honeylocust	--	11.6	10.7	129.5	151.9
Kentucky coffeetree	--	--	--	0.1	0.1
White mulberry	--	--	--	0.1	0.1
Red mulberry	--	1.1	11.0	56.1	68.2
Oak spp.	--	--	0.2	--	0.2
Black locust	--	--	7.6	41.0	48.6
Group subtotal	--	12.7	29.4	226.8	269.0
Eastern noncommercial hardwoods					
Ailanthus	--	--	--	0.4	0.4
Serviceberry spp.	--	--	--	0.0	0.0
Eastern redbud	--	--	0.1	0.4	0.5
Haw thorn spp.	--	--	0.1	1.3	1.4
Osage-orange	--	0.3	--	38.7	39.0
Apple spp.	--	--	--	0.6	0.6
Eastern hophornbeam	--	0.5	1.2	17.1	18.8
American plum	--	--	0.0	0.2	0.3
Peachleaf willow	--	--	--	1.8	1.8
Russian-olive	--	--	0.1	--	0.1
Group subtotal	--	0.8	1.4	60.6	62.8
<b>All hardwoods</b>	--	207.0	507.5	3,763.6	4,478.2
<b>All species groups</b>	--	209.9	514.4	3,816.2	4,540.5

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-15.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and diameter class, Iowa, 2013

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
<b>Softwood species groups</b>														
<b>Eastern softwood species groups</b>														
Eastern white and red pines														
Red pine	--	0	--	0	--	--	--	--	--	--	--	--	--	1
Eastern white pine	0	--	--	--	1	--	--	--	--	--	--	--	--	1
Group subtotal	0	0	--	0	1	0	--	--	--	--	--	--	--	1
Other eastern softwoods														
Eastern redcedar	15	12	13	10	7	3	--	--	--	--	--	--	--	60
Ponderosa pine	0	0	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	15	12	13	10	7	3	--	--	--	--	--	--	--	61
<b>All softwoods</b>	15	12	13	10	8	3	--	--	--	--	--	--	--	62

(Table 15 continued on next page)

(Table 15 continued)

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
<b>Hardwood species groups</b>														
<b>Eastern hardwood species groups</b>														
Select white oaks														
White oak	3	10	20	47	34	43	43	47	84	25	6	5	10	379
Swamp white oak	0	1	1	1	2	3	--	--	5	--	--	--	--	14
Bur oak	6	13	18	31	40	36	50	52	104	59	33	21	9	473
Chinkapin oak	0	1	1	1	--	--	--	--	2	--	--	--	--	4
Group subtotal	10	26	40	81	76	83	92	99	195	85	39	25	19	871
Select red oaks														
Northern red oak	3	7	9	19	27	35	39	45	39	30	27	--	10	289
Group subtotal	3	7	9	19	27	35	39	45	39	30	27	--	10	289
Other white oaks														
Post oak	0	0	1	--	--	--	--	--	--	--	--	--	--	1
Group subtotal	0	0	1	--	--	0	--	--	--	--	--	--	--	1
Other red oaks														
Northern pin oak	0	1	3	1	4	3	8	4	18	3	--	--	--	46
Shingle oak	4	5	6	6	4	6	4	10	--	--	--	--	--	45
Pin oak	0	0	1	--	2	--	--	--	--	--	--	8	--	11
Black oak	3	4	7	10	19	20	20	11	21	11	--	--	--	125
Group subtotal	7	10	17	17	29	29	33	25	38	15	--	8	--	228
Hickory														
Bitternut hickory	9	14	14	16	12	11	4	2	3	--	--	--	--	84
Pignut hickory	0	0	1	--	--	--	--	--	--	--	--	--	--	1
Shagbark hickory	14	23	29	33	32	24	10	6	12	--	--	--	--	184
Mockernut hickory	1	0	--	1	--	--	--	--	--	--	--	--	--	2
Group subtotal	24	37	44	50	44	35	14	8	15	--	--	--	--	271
Hard maple														
Black maple	3	3	8	9	15	5	5	5	12	4	4	--	--	72
Sugar maple	4	6	7	8	12	8	7	5	7	4	--	--	--	67
Group subtotal	7	9	15	16	27	13	12	9	19	8	4	--	--	139
Soft maple														
Silver maple	6	12	18	34	41	65	43	49	83	40	35	5	27	459
Group subtotal	6	12	18	34	41	65	43	49	83	40	35	5	27	459
Ash														
White ash	4	7	9	9	7	10	6	5	3	--	--	--	7	68
Black ash	1	1	0	1	1	--	--	1	--	--	--	--	--	5
Green ash	7	11	15	12	8	10	5	17	4	--	--	--	--	88
Group subtotal	12	19	25	22	16	19	11	23	7	--	--	--	7	161
Cottonwood and aspen														
Eastern cottonwood	3	5	11	13	19	21	15	24	52	50	44	21	65	343
Bigtooth aspen	0	--	1	2	6	--	--	--	--	--	--	--	--	9
Quaking aspen	1	2	1	2	1	--	--	--	--	--	--	--	--	6
Group subtotal	4	7	13	17	26	21	15	24	52	50	44	21	65	358

(Table 15 continued on next page)

(Table 15 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Basswood</b>														
American basswood	8	13	22	24	18	30	21	28	21	31	7	--	--	224
Group subtotal	8	13	22	24	18	30	21	28	21	31	7	--	--	224
<b>Black walnut</b>														
Black walnut	12	16	26	39	46	52	47	35	29	13	5	--	--	321
Group subtotal	12	16	26	39	46	52	47	35	29	13	5	--	--	321
<b>Other eastern soft hardwoods</b>														
Boxelder	13	16	20	19	20	18	5	4	11	5	3	--	--	134
Ohio buckeye	1	1	1	1	1	3	1	2	--	--	--	--	--	10
River birch	1	1	1	2	1	--	--	--	--	--	--	--	--	5
Paper birch	0	0	--	--	--	--	--	--	--	--	--	--	--	0
Northern catalpa	0	0	0	1	--	--	--	--	--	--	--	--	--	2
Hackberry	15	23	25	32	26	31	25	16	21	9	16	--	--	239
Butternut	--	--	--	0	--	--	--	--	--	--	--	--	--	0
American sycamore	1	0	1	1	--	--	--	--	--	3	--	--	--	6
Black cherry	9	15	16	13	10	10	4	--	6	--	--	--	--	84
Black willow	4	5	4	3	2	6	1	1	6	13	--	--	--	46
American elm	28	36	30	27	26	18	12	6	5	--	--	--	--	188
Siberian elm	2	4	4	2	4	3	3	3	--	--	--	--	--	24
Slippery elm	8	10	11	14	9	10	6	4	3	6	6	--	--	87
Group subtotal	81	112	113	113	101	100	56	36	51	37	25	--	--	826
<b>Other eastern hard hardwoods</b>														
Honeylocust	6	10	18	19	23	21	20	18	7	3	3	4	--	152
Kentucky coffeetree	--	0	--	--	--	--	--	--	--	--	--	--	--	0
White mulberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Red mulberry	12	14	15	11	9	2	4	1	2	--	--	--	--	68
Oak spp.	0	0	--	--	--	--	--	--	--	--	--	--	--	0
Black locust	3	5	8	6	6	8	5	1	5	--	--	--	--	49
Group subtotal	21	28	41	36	38	31	29	21	14	3	3	4	--	269
<b>Eastern noncommercial hardwoods</b>														
Ailanthus	--	--	--	0	--	--	--	--	--	--	--	--	--	0
Serviceberry spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Eastern redbud	0	0	0	--	--	--	--	--	--	--	--	--	--	0
Haw thorn spp.	1	0	0	--	--	--	--	--	--	--	--	--	--	1
Osage-orange	7	8	9	8	3	2	--	--	--	3	--	--	--	39
Apple spp.	0	0	--	--	--	--	--	--	--	--	--	--	--	1
Eastern hophornbeam	10	5	3	--	1	--	--	--	--	--	--	--	--	19
American plum	0	0	--	--	--	--	--	--	--	--	--	--	--	0
Peachleaf willow	--	--	--	--	2	--	--	--	--	--	--	--	--	2
Russian-olive	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	19	14	12	8	5	2	--	--	--	3	--	--	--	63
<b>All hardwoods</b>	<b>214</b>	<b>311</b>	<b>393</b>	<b>476</b>	<b>494</b>	<b>516</b>	<b>412</b>	<b>402</b>	<b>564</b>	<b>314</b>	<b>190</b>	<b>64</b>	<b>127</b>	<b>4,478</b>
<b>All species groups</b>	<b>229</b>	<b>323</b>	<b>407</b>	<b>486</b>	<b>502</b>	<b>519</b>	<b>412</b>	<b>402</b>	<b>564</b>	<b>314</b>	<b>190</b>	<b>64</b>	<b>127</b>	<b>4,540</b>

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0 indicates the volume rounds to less than 1 million cubic feet.  
Columns and rows may not add to their totals due to rounding.

**Table IA-16.—Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand origin, Iowa, 2013**

Forest-type group	Stand origin		All forest land
	Natural stands	Artificial regeneration	
Other eastern softwoods group	8.6	--	8.6
Oak / pine group	41.6	0.3	41.9
Oak / hickory group	3,014.2	4.8	3,019.0
Elm / ash / cottonwood group	1,297.8	10.4	1,308.2
Maple / birch group	134.1	--	134.1
Aspen / birch group	11.7	--	11.7
Other hardwoods group	3.9	--	3.9
Exotic hardwoods group	11.4	--	11.4
Nonstocked	1.6	--	1.6
<b>All forest-type groups</b>	<b>4,525.0</b>	<b>15.5</b>	<b>4,540.5</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

Table IA-17.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and diameter class, Iowa, 2013

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Softwood species groups</b>														
<b>Eastern softwood species groups</b>														
Eastern white and red pines														
Red pine	--	0	--	0	--	--	--	--	--	--	--	--	--	1
Eastern white pine	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	0	0	--	0	--	--	--	--	--	--	--	--	--	1
Other eastern softwoods														
Eastern redcedar	6	2	5	1	3	1	--	--	--	--	--	--	--	18
Ponderosa pine	0	0	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	6	3	5	1	3	1	--	--	--	--	--	--	--	19
<b>All softwoods</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>19</b>

(Table 17 continued on next page)



(Table 17 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Hardwood species groups</b>														
<b>Eastern hardwood species groups</b>														
Select white oaks														
White oak	3	10	18	41	33	38	37	44	64	17	--	--	10	315
Swamp white oak	0	1	0	1	1	--	--	--	5	--	--	--	--	9
Bur oak	4	8	12	19	24	19	33	20	47	35	22	11	9	262
Chinkapin oak	0	0	1	1	--	--	--	--	--	--	--	--	--	1
Group subtotal	7	19	32	62	57	56	69	64	116	52	22	11	19	586
Select red oaks														
Northern red oak	2	6	7	18	26	32	36	42	30	24	23	--	--	247
Group subtotal	2	6	7	18	26	32	36	42	30	24	23	--	--	247
Other white oaks														
Post oak	0	0	0	--	--	--	--	--	--	--	--	--	--	1
Group subtotal	0	0	0	--	--	--	--	--	--	--	--	--	--	1
Other red oaks														
Northern pin oak	0	1	2	1	4	2	8	3	16	3	--	--	--	41
Shingle oak	2	3	4	4	2	6	2	10	--	--	--	--	--	33
Pin oak	0	0	1	--	2	--	--	--	--	--	--	8	--	11
Black oak	2	3	6	8	15	16	14	9	18	3	--	--	--	95
Group subtotal	5	8	12	13	23	24	24	22	34	7	--	8	--	180
Hickory														
Bitternut hickory	7	11	12	12	9	9	2	2	3	--	--	--	--	66
Pignut hickory	--	0	0	--	--	--	--	--	--	--	--	--	--	1
Shagbark hickory	12	20	25	29	29	19	9	5	10	--	--	--	--	157
Mockernut hickory	1	0	--	1	--	--	--	--	--	--	--	--	--	2
Group subtotal	20	32	37	43	38	28	11	6	12	--	--	--	--	227
Hard maple														
Black maple	3	3	7	7	11	3	5	3	12	--	4	--	--	58
Sugar maple	3	5	7	6	12	8	7	5	7	--	--	--	--	60
Group subtotal	6	8	13	13	23	11	12	8	19	--	4	--	--	118
Soft maple														
Silver maple	4	6	9	23	33	45	20	34	36	16	8	--	--	233
Group subtotal	4	6	9	23	33	45	20	34	36	16	8	--	--	233
Ash														
White ash	3	4	8	8	6	10	6	--	3	--	--	--	--	47
Black ash	0	0	0	1	1	--	--	1	--	--	--	--	--	4
Green ash	4	5	8	9	5	8	2	15	2	--	--	--	--	57
Group subtotal	7	10	16	18	11	18	8	16	6	--	--	--	--	108
Cottonwood and aspen														
Eastern cottonwood	3	5	10	13	18	21	15	24	50	50	39	21	45	313
Bigtooth aspen	0	--	1	2	6	--	--	--	--	--	--	--	--	9
Quaking aspen	1	2	1	2	1	--	--	--	--	--	--	--	--	6
Group subtotal	4	7	12	16	26	21	15	24	50	50	39	21	45	328

(Table 17 continued on next page)

(Table 17 continued)

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
<b>Basswood</b>														
American basswood	6	9	17	22	15	27	15	21	17	29	7	--	--	183
Group subtotal	6	9	17	22	15	27	15	21	17	29	7	--	--	183
<b>Black walnut</b>														
Black walnut	9	10	19	33	38	45	44	30	29	3	--	--	--	261
Group subtotal	9	10	19	33	38	45	44	30	29	3	--	--	--	261
<b>Other eastern soft hardwoods</b>														
Boxelder	2	2	2	3	4	--	--	2	--	--	--	--	--	16
Ohio buckeye River birch	0	0	0	1	1	1	--	2	--	--	--	--	--	5
Paper birch	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Hackberry	10	17	19	26	24	28	23	14	16	9	7	--	--	192
American sycamore	1	0	1	1	--	--	--	--	--	3	--	--	--	5
Black cherry	4	7	10	8	7	8	3	--	6	--	--	--	--	52
Black willow	1	2	1	--	2	1	1	--	--	8	--	--	--	17
American elm	15	24	20	14	17	6	7	5	--	--	--	--	--	108
Siberian elm	0	2	2	2	1	1	2	--	--	--	--	--	--	9
Slippery elm	5	8	10	10	7	5	3	4	--	6	6	--	--	65
Group subtotal	38	62	65	65	64	50	40	26	22	27	13	--	--	473
<b>Other eastern hard hardwoods</b>														
Honeylocust	3	5	9	6	10	13	14	11	3	--	--	--	--	74
Kentucky coffeetree	--	0	--	--	--	--	--	--	--	--	--	--	--	0
Red mulberry	0	0	0	--	2	--	--	--	--	--	--	--	--	3
Black locust	2	4	7	5	4	7	3	--	5	--	--	--	--	37
Group subtotal	5	10	16	11	16	20	17	11	9	--	--	--	--	114
<b>All hardwoods</b>	<b>113</b>	<b>186</b>	<b>256</b>	<b>336</b>	<b>369</b>	<b>379</b>	<b>311</b>	<b>303</b>	<b>378</b>	<b>207</b>	<b>116</b>	<b>40</b>	<b>64</b>	<b>3,058</b>
<b>All species groups</b>	<b>119</b>	<b>189</b>	<b>261</b>	<b>337</b>	<b>372</b>	<b>380</b>	<b>311</b>	<b>303</b>	<b>378</b>	<b>207</b>	<b>116</b>	<b>40</b>	<b>64</b>	<b>3,077</b>

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0 indicates the volume rounds to less than 1 million cubic feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-18.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Eastern white and red pines					
Red pine	--	--	0.5	--	0.5
Eastern white pine	--	--	--	0.1	0.1
Group subtotal	--	--	0.5	0.1	0.6
Other eastern softwoods					
Eastern redcedar	--	1.1	1.4	15.7	18.2
Ponderosa pine	--	--	--	0.5	0.5
Group subtotal	--	1.1	1.4	16.1	18.6
<b>All softwoods</b>	--	1.1	1.9	16.2	19.2

(Table 18 continued on next page)

(Table 18 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	28.8	41.5	244.3	314.6
Swamp white oak	--	--	--	8.6	8.6
Bur oak	--	1.1	13.6	247.1	261.8
Chinkapin oak	--	--	--	1.5	1.5
Group subtotal	--	29.9	55.1	501.5	586.5
Select red oaks					
Northern red oak	--	12.0	37.9	197.2	247.1
Group subtotal	--	12.0	37.9	197.2	247.1
Other white oaks					
Post oak	--	--	--	0.5	0.5
Group subtotal	--	--	--	0.5	0.5
Other red oaks					
Northern pin oak	--	--	--	41.1	41.1
Shingle oak	--	--	0.0	32.6	32.7
Pin oak	--	--	9.9	1.6	11.5
Black oak	--	4.8	3.2	86.8	94.8
Group subtotal	--	4.8	13.1	162.1	180.1
Hickory					
Bitternut hickory	--	1.2	2.2	63.0	66.4
Pignut hickory	--	--	--	1.0	1.0
Shagbark hickory	--	3.6	11.7	142.2	157.5
Mockernut hickory	--	--	--	2.1	2.1
Group subtotal	--	4.8	13.8	208.3	226.9
Hard maple					
Black maple	--	0.5	12.2	45.1	57.9
Sugar maple	--	--	4.6	55.2	59.7
Group subtotal	--	0.5	16.8	100.3	117.6
Soft maple					
Silver maple	--	13.4	15.3	204.2	232.9
Group subtotal	--	13.4	15.3	204.2	232.9

(Table 18 continued on next page)

(Table 18 continued)

Species group/Species	Ownership group					All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private		
Ash						
White ash	--	0.8	1.4	45.0	47.2	
Black ash	--	1.2	0.1	2.5	3.8	
Green ash	--	--	8.6	48.9	57.4	
Group subtotal	--	2.0	10.1	96.4	108.5	
Cottonwood and aspen						
Eastern cottonwood	--	12.5	69.6	230.7	312.8	
Bigtooth aspen	--	--	0.2	9.2	9.4	
Quaking aspen	--	--	0.1	5.6	5.8	
Group subtotal	--	12.5	70.0	245.5	327.9	
Basswood						
American basswood	--	6.3	23.8	152.6	182.7	
Group subtotal	--	6.3	23.8	152.6	182.7	
Black walnut						
Black walnut	--	1.3	24.3	235.0	260.6	
Group subtotal	--	1.3	24.3	235.0	260.6	
Other eastern soft hardwoods						
Boxelder	--	0.4	1.0	14.2	15.7	
Ohio buckeye	--	--	--	5.2	5.2	
River birch	--	--	--	3.6	3.6	
Paper birch	--	--	--	0.2	0.2	
Hackberry	--	0.2	7.5	184.5	192.3	
American sycamore	--	0.5	1.1	3.8	5.4	
Black cherry	--	0.8	9.0	42.4	52.2	
Black willow	--	--	1.6	15.1	16.7	
American elm	--	3.8	4.3	99.8	107.8	
Siberian elm	--	--	0.7	8.0	8.8	
Slippery elm	--	0.3	4.8	60.0	65.0	
Group subtotal	--	6.0	29.9	436.9	472.9	
Other eastern hard hardwoods						
Honeylocust	--	5.5	4.0	64.9	74.4	
Kentucky coffeetree	--	--	--	0.1	0.1	
Red mulberry	--	--	0.1	2.4	2.5	
Black locust	--	--	2.8	34.0	36.8	
Group subtotal	--	5.5	7.0	101.3	113.8	
<b>All hardwoods</b>	--	99.1	317.0	2,641.9	3,058.0	
<b>All species groups</b>	--	100.1	319.0	2,658.1	3,077.2	

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-19.—Net volume of sawtimber trees, in million board feet (International 1/4-inch rule), on timberland by species group, species, and diameter class, Iowa, 2013

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Softwood species groups</b>												
<b>Eastern softwood species groups</b>												
Eastern white and red pines												
Red pine	--	2	--	--	--	--	--	--	--	--	--	2
Group subtotal	--	2	--	--	--	--	--	--	--	--	--	2
Other eastern softwoods												
Eastern redcedar	30	5	14	4	--	--	--	--	--	--	--	52
Group subtotal	30	5	14	4	--	--	--	--	--	--	--	52
<b>All softwoods</b>	30	7	14	4	--	--	--	--	--	--	--	54

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Hardwood species groups</b>												
<b>Eastern hardwood species groups</b>												
Select white oaks												
White oak	--	203	158	179	170	200	281	71	--	--	33	1,293
Swamp white oak	--	5	5	--	--	--	24	--	--	--	--	34
Bur oak	--	91	113	88	152	91	207	144	88	40	32	1,046
Chinkapin oak	--	3	--	--	--	--	--	--	--	--	--	3
Group subtotal	--	302	275	267	323	291	512	215	88	40	64	2,376
Select red oaks												
Northern red oak	--	88	128	163	181	207	145	113	100	--	--	1,124
Group subtotal	--	88	128	163	181	207	145	113	100	--	--	1,124
Other red oaks												
Northern pin oak	--	3	22	11	41	17	75	16	--	--	--	185
Shingle oak	--	21	11	27	8	47	--	--	--	--	--	114
Pin oak	--	--	8	--	--	--	--	--	--	31	--	39
Black oak	--	41	74	82	70	42	88	15	--	--	--	412
Group subtotal	--	65	115	120	119	106	163	31	--	31	--	749
Hickory												
Bitternut hickory	--	62	47	44	8	7	12	--	--	--	--	180
Shagbark hickory	--	141	140	94	44	23	47	--	--	--	--	488
Mockernut hickory	--	5	--	--	--	--	--	--	--	--	--	5
Group subtotal	--	208	187	138	52	30	59	--	--	--	--	674

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hard maple												
Black maple	--	34	55	16	22	14	55	--	18	--	--	213
Sugar maple	--	30	57	38	34	22	32	--	--	--	--	212
Group subtotal	--	63	111	53	56	36	86	--	18	--	--	425
Soft maple												
Silver maple	--	99	143	197	89	149	155	66	33	--	--	931
Group subtotal	--	99	143	197	89	149	155	66	33	--	--	931
Ash												
White ash	--	34	28	45	28	--	16	--	--	--	--	151
Black ash	--	3	4	--	--	6	--	--	--	--	--	13
Green ash	--	42	21	38	8	70	11	--	--	--	--	190
Group subtotal	--	79	53	83	36	76	27	--	--	--	--	354
Cottonwood and aspen												
Eastern cottonwood	--	60	87	107	77	119	251	247	183	95	163	1,389
Bigtooth aspen	--	7	31	--	--	--	--	--	--	--	--	38
Quaking aspen	--	8	6	--	--	--	--	--	--	--	--	14
Group subtotal	--	75	124	107	77	119	251	247	183	95	163	1,441
Basswood												
American basswood	--	110	75	136	74	101	80	139	30	--	--	743
Group subtotal	--	110	75	136	74	101	80	139	30	--	--	743

(Table 19 continued on next page)



(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Black walnut												
Black walnut	--	159	182	216	209	140	132	14	--	--	--	1,051
Group subtotal	--	159	182	216	209	140	132	14	--	--	--	1,051
Other eastern soft hardwoods												
Boxelder	--	15	19	--	--	9	--	--	--	--	--	43
Ohio buckeye	--	2	4	5	--	10	--	--	--	--	--	20
River birch	--	3	4	--	--	--	--	--	--	--	--	8
Hackberry	--	119	111	124	102	59	66	36	26	--	--	643
American sycamore	--	2	--	--	--	--	--	15	--	--	--	17
Black cherry	--	38	33	36	13	--	27	--	--	--	--	146
Black willow	--	--	8	6	5	--	--	32	--	--	--	51
American elm	--	67	77	25	32	21	--	--	--	--	--	221
Siberian elm	--	7	3	5	8	--	--	--	--	--	--	24
Slippery elm	--	48	34	24	15	16	--	25	24	--	--	187
Group subtotal	--	303	293	225	175	115	93	107	50	--	--	1,360
Other eastern hard hardwoods												
Honeylocust	--	29	46	58	62	50	14	--	--	--	--	259
Red mulberry	--	--	7	--	--	--	--	--	--	--	--	7
Black locust	--	22	19	32	14	--	24	--	--	--	--	111
Group subtotal	--	50	72	90	76	50	38	--	--	--	--	377
<b>All hardwoods</b>	--	1,602	1,758	1,794	1,466	1,418	1,739	930	502	166	228	11,604
<b>All species groups</b>	30	1,608	1,772	1,798	1,466	1,418	1,739	930	502	166	228	11,658

All table cells without observations in the inventory sample are indicated by --.

Table value of 0 indicates the volume rounds to less than 1 million board feet.

Columns and rows may not add to their totals due to rounding.

Table IA-19a.—Net volume of sawtimber trees, in million board feet (Doyle rule), on timberland by species group, species, and diameter class, Iowa, 2013

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Softwood species groups</b>												
<b>Eastern softwood species groups</b>												
Eastern white and red pines												
Red pine	--	1	--	--	--	--	--	--	--	--	--	1
Group subtotal	--	1	--	--	--	--	--	--	--	--	--	1
Other eastern softwoods												
Eastern redcedar	10	2	8	3	--	--	--	--	--	--	--	24
Group subtotal	10	2	8	3	--	--	--	--	--	--	--	24
<b>All softwoods</b>	10	3	8	3	--	--	--	--	--	--	--	24

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Hardwood species groups</b>												
<b>Eastern hardwood species groups</b>												
Select white oaks												
White oak	--	85	81	105	112	143	226	64	--	--	37	853
Swamp white oak	--	2	2	--	--	--	19	--	--	--	--	23
Bur oak	--	38	58	52	100	65	165	132	100	46	36	791
Chinkapin oak	--	1	--	--	--	--	--	--	--	--	--	1
Group subtotal	--	126	141	157	212	209	409	196	100	46	73	1,668
Select red oaks												
Northern red oak	--	37	66	96	119	148	118	100	113	--	--	796
Group subtotal	--	37	66	96	119	148	118	100	113	--	--	796
Other red oaks												
Northern pin oak	--	1	11	6	27	12	60	14	--	--	--	132
Shingle oak	--	9	6	16	5	34	--	--	--	--	--	69
Pin oak	--	--	4	--	--	--	--	--	--	35	--	39
Black oak	--	17	38	48	46	30	69	14	--	--	--	262
Group subtotal	--	27	59	70	78	76	129	28	--	35	--	502
Hickory												
Bitternut hickory	--	26	24	26	5	5	10	--	--	--	--	96
Shagbark hickory	--	59	71	55	29	16	37	--	--	--	--	268
Mockernut hickory	--	2	--	--	--	--	--	--	--	--	--	2
Group subtotal	--	87	96	81	34	22	47	--	--	--	--	366

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hard maple												
Black maple	--	14	28	9	15	10	45	--	21	--	--	141
Sugar maple	--	12	29	22	22	16	25	--	--	--	--	127
Group subtotal	--	26	57	31	37	26	70	--	21	--	--	268
Soft maple												
Silver maple	--	41	73	116	59	107	125	57	38	--	--	616
Group subtotal	--	41	73	116	59	107	125	57	38	--	--	616
Ash												
White ash	--	14	14	26	18	--	12	--	--	--	--	86
Black ash	--	1	2	--	--	4	--	--	--	--	--	7
Green ash	--	17	11	22	5	50	9	--	--	--	--	115
Group subtotal	--	33	27	49	23	55	21	--	--	--	--	208
Cottonwood and aspen												
Eastern cottonwood	--	25	45	63	50	86	203	229	208	108	185	1,202
Bigtooth aspen	--	3	16	--	--	--	--	--	--	--	--	19
Quaking aspen	--	3	3	--	--	--	--	--	--	--	--	6
Group subtotal	--	31	64	63	50	86	203	229	208	108	185	1,227
Basswood												
American basswood	--	46	38	80	49	72	63	121	34	--	--	503
Group subtotal	--	46	38	80	49	72	63	121	34	--	--	503

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Black walnut												
Black walnut	--	67	93	127	137	100	104	12	--	--	--	640
Group subtotal	--	67	93	127	137	100	104	12	--	--	--	640
Other eastern soft hardwoods												
Boxelder	--	6	10	--	--	7	--	--	--	--	--	23
Ohio buckeye	--	1	2	3	--	7	--	--	--	--	--	12
River birch	--	1	2	--	--	--	--	--	--	--	--	4
Hackberry	--	50	57	73	67	43	52	32	30	--	--	402
American sycamore	--	1	--	--	--	--	--	13	--	--	--	14
Black cherry	--	16	17	21	8	--	21	--	--	--	--	83
Black willow	--	--	4	4	4	--	--	30	--	--	--	41
American elm	--	28	39	15	21	15	--	--	--	--	--	118
Siberian elm	--	3	2	3	5	--	--	--	--	--	--	13
Slippery elm	--	20	18	14	10	11	--	24	27	--	--	124
Group subtotal	--	126	150	132	115	82	72	99	57	--	--	834
Other eastern hard hardwoods												
Honeylocust	--	12	24	34	41	36	11	--	--	--	--	158
Red mulberry	--	--	4	--	--	--	--	--	--	--	--	4
Black locust	--	9	10	19	9	--	19	--	--	--	--	66
Group subtotal	--	21	37	53	50	36	30	--	--	--	--	227
<b>All hardwoods</b>	--	668	900	1,055	963	1,018	1,392	842	570	188	258	7,856
<b>All species groups</b>	10	671	908	1,058	963	1,018	1,392	842	570	188	258	7,880

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0 indicates the volume rounds to less than 1 million board feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-19b.—Net volume of sawtimber trees, in million board feet (Scribner rule), on timberland by species group, species, and diameter class, Iowa, 2013

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Softwood species groups</b>												
<b>Eastern softwood species groups</b>												
Eastern white and red pines												
Red pine	--	1	--	--	--	--	--	--	--	--	--	1
Group subtotal	--	1	--	--	--	--	--	--	--	--	--	1
Other eastern softwoods												
Eastern redcedar	23	4	12	3	--	--	--	--	--	--	--	43
Group subtotal	23	4	12	3	--	--	--	--	--	--	--	43
<b>All softwoods</b>	23	5	12	3	--	--	--	--	--	--	--	44

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
<b>Hardwood species groups</b>												
<b>Eastern hardwood species groups</b>												
Select white oaks												
White oak	--	169	136	158	153	182	260	66	--	--	31	1,156
Swamp white oak	--	4	4	--	--	--	22	--	--	--	--	30
Bur oak	--	76	97	77	137	83	192	136	84	38	30	951
Chinkapin oak	--	2	--	--	--	--	--	--	--	--	--	2
Group subtotal	--	251	237	235	290	266	474	202	84	38	61	2,140
Select red oaks												
Northern red oak	--	73	110	143	163	189	135	106	95	--	--	1,015
Group subtotal	--	73	110	143	163	189	135	106	95	--	--	1,015
Other red oaks												
Northern pin oak	--	2	19	10	37	15	70	15	--	--	--	168
Shingle oak	--	17	10	24	7	43	--	--	--	--	--	100
Pin oak	--	--	7	--	--	--	--	--	--	30	--	36
Black oak	--	34	64	72	63	38	81	14	--	--	--	367
Group subtotal	--	54	99	106	107	96	151	29	--	30	--	672
Hickory												
Bitternut hickory	--	52	41	39	7	7	11	--	--	--	--	156
Shagbark hickory	--	117	120	83	40	21	43	--	--	--	--	424
Mockernut hickory	--	5	--	--	--	--	--	--	--	--	--	5
Group subtotal	--	173	161	122	47	27	55	--	--	--	--	584

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hard maple												
Black maple	--	28	47	14	20	13	51	--	17	--	--	190
Sugar maple	--	25	49	33	31	20	29	--	--	--	--	187
Group subtotal	--	53	96	47	51	33	80	--	17	--	--	376
Soft maple												
Silver maple	--	82	123	174	80	136	144	62	32	--	--	833
Group subtotal	--	82	123	174	80	136	144	62	32	--	--	833
Ash												
White ash	--	29	24	40	25	--	14	--	--	--	--	132
Black ash	--	3	3	--	--	5	--	--	--	--	--	11
Green ash	--	35	18	34	7	64	10	--	--	--	--	168
Group subtotal	--	66	46	73	32	69	25	--	--	--	--	311
Cottonwood and aspen												
Eastern cottonwood	--	50	75	95	69	109	233	233	175	91	156	1,285
Bigtooth aspen	--	6	27	--	--	--	--	--	--	--	--	33
Quaking aspen	--	7	5	--	--	--	--	--	--	--	--	12
Group subtotal	--	63	107	95	69	109	233	233	175	91	156	1,329
Basswood												
American basswood	--	91	64	120	67	92	74	130	28	--	--	667
Group subtotal	--	91	64	120	67	92	74	130	28	--	--	667

(Table 19b continued on next page)



(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Black walnut												
Black walnut	--	133	156	191	188	127	122	13	--	--	--	930
Group subtotal	--	133	156	191	188	127	122	13	--	--	--	930
Other eastern soft hardwoods												
Boxelder	--	13	16	--	--	9	--	--	--	--	--	37
Ohio buckeye	--	2	3	4	--	9	--	--	--	--	--	18
River birch	--	3	4	--	--	--	--	--	--	--	--	7
Hackberry	--	99	95	109	92	54	61	33	25	--	--	569
American sycamore	--	2	--	--	--	--	--	14	--	--	--	16
Black cherry	--	32	28	32	12	--	25	--	--	--	--	128
Black willow	--	--	7	5	5	--	--	30	--	--	--	47
American elm	--	56	66	22	29	19	--	--	--	--	--	191
Siberian elm	--	6	3	4	7	--	--	--	--	--	--	21
Slippery elm	--	40	30	21	13	14	--	24	23	--	--	166
Group subtotal	--	252	252	199	157	105	86	101	48	--	--	1,199
Other eastern hard hardwoods												
Honeylocust	--	24	40	51	56	46	13	--	--	--	--	230
Red mulberry	--	--	6	--	--	--	--	--	--	--	--	6
Black locust	--	18	17	28	12	--	22	--	--	--	--	97
Group subtotal	--	42	62	80	68	46	35	--	--	--	--	333
<b>All hardwoods</b>	--	1,332	1,514	1,584	1,320	1,295	1,612	876	479	158	217	10,388
<b>All species groups</b>	23	1,338	1,526	1,587	1,320	1,295	1,612	876	479	158	217	10,432

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0 indicates the volume rounds to less than 1 million board feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-20.—Net volume of saw-log portion of sawtimber trees, in million cubic feet, on timberland by species group and ownership group, Iowa, 2013

Species group	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Eastern white and red pines	--	--	0.3	--	0.3
Other eastern softwoods	--	0.2	1.0	7.3	8.6
<b>All softwoods</b>	--	0.2	1.3	7.3	8.8
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks	--	23.8	41.8	406.2	471.8
Select red oaks	--	9.2	34.9	165.4	209.5
Other red oaks	--	3.4	11.3	123.4	138.1
Hickory	--	2.4	5.6	104.9	112.9
Hard maple	--	--	12.2	66.9	79.1
Soft maple	--	12.4	13.8	164.0	190.1
Ash	--	1.8	5.0	57.2	64.0
Cottonwood and aspen	--	11.6	63.4	213.0	288.0
Basswood	--	5.3	16.0	115.5	136.9
Black walnut	--	0.2	16.7	172.9	189.9
Other eastern soft hardwoods	--	0.7	14.1	244.3	259.1
Other eastern hard hardwoods	--	3.5	3.0	64.2	70.7
<b>All hardwoods</b>	--	74.4	237.9	1,897.8	2,210.1
<b>All species groups</b>	--	74.6	239.2	1,905.2	2,219.0

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

**Table IA-21.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status, Iowa, 2013**

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Other Federal</b>							
Fish and Wildlife Service	0.3	--	0.3	-4.4	--	-4.4	-4.1
Department of Defense or Energy	2.3	--	2.3	0.0	--	0.0	2.3
Other Federal	0.2	--	0.2	--	--	--	0.2
<b>State and local government</b>							
State	7.3	--	7.3	2.9	--	2.9	10.2
Local (county, municipal, etc.)	2.2	--	2.2	0.7	--	0.7	3.0
<b>Private</b>							
Undifferentiated private	89.9	1.6	91.5	--	--	--	91.5
<b>All owners</b>	<b>102.2</b>	<b>1.6</b>	<b>103.8</b>	<b>-0.8</b>	<b>--</b>	<b>-0.8</b>	<b>103.0</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to owner class and forest-land status as identified in previous inventory when available, else assigned from current inventory.

Table IA-21a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status using the accounting method (O'Connell et al. 2014), Iowa, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Other Federal</b>							
Fish and Wildlife Service	0.3	--	0.3	-4.4	--	-4.4	-4.1
Department of Defense or Energy	2.4	--	2.4	0.0	--	0.0	2.5
Other Federal	-1.6	--	-1.6	--	--	--	-1.6
<b>State and local government</b>							
State	5.6	--	5.6	2.9	--	2.9	8.5
Local (county, municipal, etc.)	7.5	--	7.5	0.7	--	0.7	8.2
<b>Private</b>							
Undifferentiated private	88.6	0.9	89.5	--	--	--	89.5
<b>All owners</b>	<b>102.9</b>	<b>0.9</b>	<b>103.8</b>	<b>-0.8</b>	<b>--</b>	<b>-0.8</b>	<b>103.0</b>

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

**Table IA-22.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, Iowa, 2013**

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Non stocked	
Other eastern softwoods group	--	--	0.1	--	--	0.1
Oak / pine group	0.7	1.2	0.5	--	--	2.4
Oak / hickory group	49.9	17.5	7.3	--	--	74.8
Elm / ash / cottonwood group	11.4	7.8	3.2	--	--	22.4
Maple / birch group	2.6	--	--	--	--	2.6
Aspen / birch group	-0.1	--	0.3	--	--	0.2
Other hardwoods group	--	--	0.1	--	--	0.1
Exotic hardwoods group	0.3	--	-0.1	--	--	0.2
Nonstocked	--	--	--	--	0.3	0.3
<b>All forest-type groups</b>	<b>64.8</b>	<b>26.5</b>	<b>11.4</b>	<b>--</b>	<b>0.3</b>	<b>103.0</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to forest-type group and stand-size class as identified in previous inventory when available, else assigned from current inventory.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

**Table IA-22a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class using the accounting method (O’Connell et al. 2014), Iowa, 2013**

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Non stocked	
Other eastern softwoods group	--	--	0.8	--	--	0.8
Oak / pine group	1.0	-1.2	1.3	--	--	1.1
Oak / hickory group	65.7	-7.7	-1.9	--	--	56.1
Elm / ash / cottonwood group	28.4	2.0	2.3	--	--	32.6
Maple / birch group	9.0	--	0.1	--	--	9.1
Aspen / birch group	2.6	--	-0.2	--	--	2.4
Other hardwoods group	--	--	1.0	--	--	1.0
Exotic hardwoods group	0.5	--	-0.2	--	--	0.3
Nonstocked	--	--	--	--	-0.4	-0.4
<b>All forest-type groups</b>	<b>107.1</b>	<b>-6.9</b>	<b>3.3</b>	<b>--</b>	<b>-0.4</b>	<b>103.0</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

Table IA-23.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other yellow pines					
Scotch pine	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Eastern white and red pines					
Red pine	--	--	0.0	-0.2	-0.2
Eastern white pine	--	--	--	0.2	0.2
Group subtotal	--	--	0.0	0.0	0.0
Other eastern softwoods					
Eastern redcedar	--	0.1	0.3	2.9	3.4
Ponderosa pine	--	--	--	0.0	0.0
Group subtotal	--	0.1	0.3	2.9	3.4
<b>All softwoods</b>	--	0.1	0.3	2.9	3.4

(Table 23 continued on next page)

(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	0.0	1.0	4.8	5.8
Swamp white oak	--	0.1	--	0.4	0.5
Bur oak	--	-0.1	0.4	5.7	6.0
Chinkapin oak	--	0.0	0.0	0.0	0.1
Group subtotal	--	0.1	1.4	11.0	12.4
Select red oaks					
Northern red oak	--	0.3	0.8	5.8	6.9
Group subtotal	--	0.3	0.8	5.8	6.9
Other white oaks					
Post oak	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Other red oaks					
Northern pin oak	--	--	--	1.3	1.3
Shingle oak	--	-0.2	0.1	1.2	1.1
Pin oak	--	--	0.1	0.3	0.3
Black oak	--	0.1	0.5	2.8	3.3
Group subtotal	--	-0.1	0.6	5.6	6.1
Hickory					
Bitternut hickory	--	0.1	0.2	1.4	1.7
Pignut hickory	--	--	--	0.0	0.0
Shagbark hickory	--	0.1	0.3	4.0	4.5
Mockernut hickory	--	--	--	0.1	0.1
Group subtotal	--	0.2	0.5	5.6	6.2
Hard maple					
Black maple	--	0.0	0.3	1.7	2.0
Sugar maple	--	0.1	0.1	1.3	1.5
Group subtotal	--	0.1	0.4	3.1	3.6
Soft maple					
Silver maple	--	-3.0	1.6	1.9	0.5
Group subtotal	--	-3.0	1.6	1.9	0.5

(Table 23 continued on next page)



(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Ash					
White ash	--	-0.1	0.1	2.4	2.4
Black ash	--	0.0	0.0	0.1	0.1
Green ash	--	0.1	0.7	2.2	3.0
Group subtotal	--	0.0	0.8	4.7	5.4
Cottonwood and aspen					
Eastern cottonwood	--	-1.2	2.4	3.5	4.7
Bigtooth aspen	--	--	0.0	-0.1	-0.1
Quaking aspen	--	--	0.0	0.3	0.3
Group subtotal	--	-1.2	2.4	3.7	4.9
Basswood					
American basswood	--	-0.2	0.9	4.8	5.5
Group subtotal	--	-0.2	0.9	4.8	5.5
Black walnut					
Black walnut	--	0.2	1.4	16.0	17.5
Group subtotal	--	0.2	1.4	16.0	17.5
Other eastern soft hardwoods					
Boxelder	--	0.2	0.8	5.3	6.3
Ohio buckeye	--	0.0	--	0.3	0.3
River birch	--	--	--	0.3	0.3
Paper birch	--	--	--	-0.1	-0.1
Northern catalpa	--	--	--	0.3	0.3
Hackberry	--	-0.1	0.5	9.7	10.1
Butternut	--	--	--	0.1	0.1
American sycamore	--	0.1	0.2	0.2	0.5
Black cherry	--	0.1	0.1	2.9	3.1
Black willow	--	0.5	0.3	-0.6	0.2
American elm	--	0.5	-0.7	-6.1	-6.2
Siberian elm	--	--	-0.1	0.9	0.8
Slippery elm	--	0.0	0.2	-0.3	-0.2
Group subtotal	--	1.3	1.3	12.9	15.4

(Table 23 continued on next page)

(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern hard hardwoods					
Honeylocust	--	0.6	0.4	5.0	6.0
Kentucky coffeetree	--	--	--	0.0	0.0
White mulberry	--	--	--	0.0	0.0
Red mulberry	--	0.1	0.0	3.9	4.0
Black locust	--	--	0.3	1.7	2.0
Group subtotal	--	0.7	0.7	10.6	12.1
Eastern noncommercial hardwoods					
Ailanthus	--	--	--	0.0	0.0
Serviceberry spp.	--	0.0	0.0	0.0	0.0
Eastern redbud	--	--	0.0	0.0	0.0
Haw thorn spp.	--	--	0.0	-0.1	0.0
Osage-orange	--	0.0	--	2.6	2.6
Apple spp.	--	--	--	0.0	0.0
Eastern hophornbeam	--	0.0	0.0	0.3	0.3
Cherry and plum spp.	--	0.0	--	--	0.0
American plum	--	--	0.0	0.0	0.0
Peachleaf willow	--	--	--	0.1	0.1
Russian-olive	--	--	0.0	--	0.0
Group subtotal	--	0.0	0.0	3.0	3.0
<b>All hardwoods</b>	--	-1.7	12.8	88.6	99.7
<b>All species groups</b>	--	-1.6	13.1	91.5	103.0

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table IA-23a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group using the accounting method (O'Connell et al. 2014), Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other yellow pines					
Scotch pine	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Eastern white and red pines					
Red pine	--	--	0.0	-0.2	-0.2
Eastern white pine	--	--	--	0.2	0.2
Group subtotal	--	--	0.0	0.0	0.0
Other eastern softwoods					
Eastern redcedar	--	0.1	0.3	2.9	3.4
Ponderosa pine	--	--	--	0.0	0.0
Group subtotal	--	0.1	0.3	2.9	3.4
<b>All softwoods</b>	--	0.1	0.3	2.9	3.4

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	0.0	0.6	5.2	5.8
Swamp white oak	--	0.1	--	0.4	0.5
Bur oak	--	-0.1	1.7	4.4	6.0
Chinkapin oak	--	0.0	0.0	0.0	0.1
Group subtotal	--	0.1	2.4	10.0	12.4
Select red oaks					
Northern red oak	--	0.3	0.9	5.7	6.9
Group subtotal	--	0.3	0.9	5.7	6.9
Other white oaks					
Post oak	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Other red oaks					
Northern pin oak	--	--	--	1.3	1.3
Shingle oak	--	-0.2	0.1	1.2	1.1
Pin oak	--	--	0.5	-0.1	0.3
Black oak	--	0.1	0.5	2.8	3.3
Group subtotal	--	-0.1	1.0	5.2	6.1
Hickory					
Bitternut hickory	--	0.1	0.2	1.4	1.7
Pignut hickory	--	--	--	0.0	0.0
Shagbark hickory	--	0.1	0.4	4.0	4.5
Mockernut hickory	--	--	--	0.1	0.1
Group subtotal	--	0.2	0.5	5.5	6.2
Hard maple					
Black maple	--	0.0	0.3	1.7	2.0
Sugar maple	--	0.1	0.1	1.3	1.5
Group subtotal	--	0.1	0.4	3.1	3.6
Soft maple					
Silver maple	--	-3.0	1.6	1.9	0.5
Group subtotal	--	-3.0	1.6	1.9	0.5

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group					All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private		
Ash						
White ash	--	-0.1	0.1	2.4		2.4
Black ash	--	0.0	0.0	0.1		0.1
Green ash	--	0.1	0.7	2.2		3.0
Group subtotal	--	0.0	0.8	4.7		5.4
Cottonwood and aspen						
Eastern cottonwood	--	-1.2	2.4	3.5		4.7
Bigtooth aspen	--	--	0.0	-0.1		-0.1
Quaking aspen	--	--	0.0	0.3		0.3
Group subtotal	--	-1.2	2.4	3.7		4.9
Basswood						
American basswood	--	-0.2	0.9	4.8		5.5
Group subtotal	--	-0.2	0.9	4.8		5.5
Black walnut						
Black walnut	--	0.2	1.4	16.0		17.5
Group subtotal	--	0.2	1.4	16.0		17.5
Other eastern soft hardwoods						
Boxelder	--	0.2	0.8	5.3		6.3
Ohio buckeye	--	0.0	--	0.3		0.3
River birch	--	--	--	0.3		0.3
Paper birch	--	--	--	-0.1		-0.1
Northern catalpa	--	--	--	0.3		0.3
Hackberry	--	-0.1	0.7	9.5		10.1
Butternut	--	--	--	0.1		0.1
American sycamore	--	0.1	0.2	0.2		0.5
Black cherry	--	0.1	0.0	3.0		3.1
Black willow	--	0.5	0.3	-0.6		0.2
American elm	--	0.5	-0.5	-6.3		-6.2
Siberian elm	--	--	-0.1	0.9		0.8
Slippery elm	--	0.0	0.4	-0.5		-0.2
Group subtotal	--	1.3	1.8	12.3		15.4

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern hard hardwoods					
Honeylocust	--	-1.0	1.9	5.0	6.0
Kentucky coffeetree	--	--	--	0.0	0.0
White mulberry	--	--	--	0.0	0.0
Red mulberry	--	0.1	0.0	3.9	4.0
Black locust	--	--	0.3	1.7	2.0
Group subtotal	--	-0.9	2.3	10.6	12.1
Eastern noncommercial hardwoods					
Ailanthus	--	--	--	0.0	0.0
Serviceberry spp.	--	0.0	--	0.0	0.0
Eastern redbud	--	--	0.0	0.0	0.0
Haw thorn spp.	--	--	0.0	-0.1	0.0
Osage-orange	--	0.0	--	2.6	2.6
Apple spp.	--	--	--	0.0	0.0
Eastern hophornbeam	--	0.0	0.0	0.3	0.3
Cherry and plum spp.	--	0.0	--	--	0.0
American plum	--	--	0.0	0.0	0.0
Peachleaf willow	--	--	--	0.1	0.1
Russian-olive	--	--	0.0	--	0.0
Group subtotal	--	0.0	0.0	3.0	3.0
<b>All hardwoods</b>	--	-3.3	16.5	86.5	99.7
<b>All species groups</b>	--	-3.2	16.8	89.4	103.0

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-24.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other yellow pines					
Scotch pine	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Eastern white and red pines					
Red pine	--	--	0.0	-0.2	-0.2
Eastern white pine	--	--	--	0.0	0.0
Group subtotal	--	--	0.0	-0.2	-0.2
Other eastern softwoods					
Eastern redcedar	--	0.0	0.0	0.3	0.4
Ponderosa pine	--	--	--	0.0	0.0
Group subtotal	--	0.0	0.0	0.4	0.4
<b>All softwoods</b>	--	0.0	0.1	0.1	0.2

(Table 24 continued on next page)

(Table 24 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	0.0	0.8	4.8	5.6
Swamp white oak	--	--	--	0.2	0.2
Bur oak	--	0.0	0.2	4.4	4.6
Chinkapin oak	--	--	--	0.0	0.0
Group subtotal	--	0.0	1.0	9.4	10.4
Select red oaks					
Northern red oak	--	0.4	0.4	4.9	5.7
Group subtotal	--	0.4	0.4	4.9	5.7
Other white oaks					
Post oak	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Other red oaks					
Northern pin oak	--	--	--	1.3	1.3
Shingle oak	--	-0.2	0.0	1.0	0.8
Pin oak	--	--	0.1	0.3	0.3
Black oak	--	0.1	0.1	2.0	2.1
Group subtotal	--	-0.1	0.1	4.5	4.6
Hickory					
Bitternut hickory	--	0.1	0.1	1.0	1.2
Pignut hickory	--	--	--	0.0	0.0
Shagbark hickory	--	0.1	0.3	3.3	3.7
Mockernut hickory	--	--	--	0.1	0.1
Group subtotal	--	0.2	0.3	4.5	5.0
Hard maple					
Black maple	--	0.0	0.2	1.5	1.7
Sugar maple	--	--	0.1	1.2	1.3
Group subtotal	--	0.0	0.4	2.6	3.1
Soft maple					
Silver maple	--	0.6	0.2	2.0	2.8
Group subtotal	--	0.6	0.2	2.0	2.8
Ash					
White ash	--	-0.2	0.1	1.9	1.8
Black ash	--	0.0	0.0	0.1	0.1
Green ash	--	--	0.3	1.4	1.7
Group subtotal	--	-0.1	0.4	3.4	3.7

(Table 24 continued on next page)



(Table 24 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Eastern hardwood species groups</b>					
Cottonwood and aspen					
Eastern cottonwood	--	0.4	2.0	3.3	5.7
Bigtooth aspen	--	--	0.0	0.0	0.0
Quaking aspen	--	--	0.0	0.3	0.3
Group subtotal	--	0.4	2.1	3.6	6.0
Basswood					
American basswood	--	0.0	0.8	3.8	4.6
Group subtotal	--	0.0	0.8	3.8	4.6
Black walnut					
Black walnut	--	0.1	0.5	12.2	12.8
Group subtotal	--	0.1	0.5	12.2	12.8
Other eastern soft hardwoods					
Boxelder	--	0.1	0.1	0.6	0.7
Ohio buckeye	--	--	--	0.1	0.1
River birch	--	--	--	0.2	0.2
Paper birch	--	--	--	-0.1	-0.1
Hackberry	--	0.0	0.4	7.7	8.1
American sycamore	--	0.0	0.2	0.2	0.4
Black cherry	--	0.1	-0.1	1.7	1.6
Black willow	--	0.0	0.1	-0.1	0.0
American elm	--	0.3	-0.5	-3.9	-4.1
Siberian elm	--	--	0.1	0.2	0.3
Slippery elm	--	0.0	0.2	-0.5	-0.3
Group subtotal	--	0.4	0.5	6.1	7.0
Other eastern hard hardwoods					
Honeylocust	--	0.2	0.2	2.6	3.0
Kentucky coffeetree	--	--	--	0.0	0.0
Red mulberry	--	--	0.0	0.1	0.1
Black locust	--	--	0.2	1.6	1.8
Group subtotal	--	0.2	0.4	4.4	5.0
<b>All hardwoods</b>	--	2.1	7.1	61.4	70.6
<b>All species groups</b>	--	2.1	7.2	61.5	70.8

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table IA-24a.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group using the accounting method (O’Connell et al. 2014), Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other yellow pines					
Scotch pine	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Eastern white and red pines					
Red pine	--	--	0.0	-0.2	-0.2
Eastern white pine	--	--	--	0.0	0.0
Group subtotal	--	--	0.0	-0.2	-0.2
Other eastern softwoods					
Eastern redcedar	--	0.0	0.0	0.3	0.4
Ponderosa pine	--	--	--	0.0	0.0
Group subtotal	--	0.0	0.0	0.4	0.4
<b>All softwoods</b>	--	0.0	0.1	0.1	0.2

(Table 24a continued on next page)

(Table 24a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	0.0	0.4	5.2	5.6
Swamp white oak	--	--	--	0.2	0.2
Bur oak	--	0.0	1.5	3.1	4.6
Chinkapin oak	--	--	--	0.0	0.0
Group subtotal	--	0.0	1.9	8.5	10.4
Select red oaks					
Northern red oak	--	0.4	0.4	4.9	5.7
Group subtotal	--	0.4	0.4	4.9	5.7
Other white oaks					
Post oak	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Other red oaks					
Northern pin oak	--	--	--	1.3	1.3
Shingle oak	--	-0.2	0.0	1.0	0.8
Pin oak	--	--	0.4	-0.1	0.3
Black oak	--	0.1	0.1	2.0	2.1
Group subtotal	--	-0.1	0.5	4.1	4.6
Hickory					
Bitternut hickory	--	0.1	0.1	1.0	1.2
Pignut hickory	--	--	--	0.0	0.0
Shagbark hickory	--	0.1	0.3	3.3	3.7
Mockernut hickory	--	--	--	0.1	0.1
Group subtotal	--	0.2	0.4	4.4	5.0
Hard maple					
Black maple	--	0.0	0.2	1.5	1.7
Sugar maple	--	--	0.1	1.2	1.3
Group subtotal	--	0.0	0.4	2.6	3.1
Soft maple					
Silver maple	--	0.6	0.2	2.0	2.8
Group subtotal	--	0.6	0.2	2.0	2.8
Ash					
White ash	--	-0.2	0.1	1.9	1.8
Black ash	--	0.0	0.0	0.1	0.1
Green ash	--	--	0.3	1.4	1.7
Group subtotal	--	-0.1	0.4	3.4	3.7

(Table 24a continued on next page)

(Table 24a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Eastern hardwood species groups</b>					
Cottonwood and aspen					
Eastern cottonwood	--	0.4	2.0	3.3	5.7
Bigtooth aspen	--	--	0.0	0.0	0.0
Quaking aspen	--	--	0.0	0.3	0.3
Group subtotal	--	0.4	2.1	3.6	6.0
Basswood					
American basswood	--	0.0	0.8	3.8	4.6
Group subtotal	--	0.0	0.8	3.8	4.6
Black walnut					
Black walnut	--	0.1	0.5	12.2	12.8
Group subtotal	--	0.1	0.5	12.2	12.8
Other eastern soft hardwoods					
Boxelder	--	0.1	0.1	0.6	0.7
Ohio buckeye	--	--	--	0.1	0.1
River birch	--	--	--	0.2	0.2
Paper birch	--	--	--	-0.1	-0.1
Hackberry	--	0.0	0.5	7.6	8.1
American sycamore	--	0.0	0.2	0.2	0.4
Black cherry	--	0.1	-0.1	1.7	1.6
Black willow	--	0.0	0.1	-0.1	0.0
American elm	--	0.3	-0.5	-3.9	-4.1
Siberian elm	--	--	0.1	0.2	0.3
Slippery elm	--	0.0	0.4	-0.7	-0.3
Group subtotal	--	0.4	0.8	5.8	7.0
Other eastern hard hardwoods					
Honeylocust	--	0.2	0.2	2.6	3.0
Kentucky coffeetree	--	--	--	0.0	0.0
Red mulberry	--	--	0.0	0.1	0.1
Black locust	--	--	0.2	1.6	1.8
Group subtotal	--	0.2	0.4	4.4	5.0
<b>All hardwoods</b>	--	2.1	8.8	59.7	70.6
<b>All species groups</b>	--	2.1	8.8	59.9	70.8

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

Table IA-25.—Average annual mortality of trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, by owner class and forest-land status, Iowa, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Other Federal</b>							
Fish and Wildlife Service	--	--	--	7.2	--	7.2	7.2
Department of Defense or Energy	1.6	--	1.6	0.0	--	0.0	1.7
Other Federal	0.1	--	0.1	--	--	--	0.1
<b>State and local government</b>							
State	2.7	--	2.7	0.8	--	0.8	3.4
Local (county, municipal, etc.)	2.2	--	2.2	0.0	--	0.0	2.2
<b>Private</b>							
Undifferentiated private	72.6	0.1	72.7	--	--	--	72.7
<b>All owners</b>	<b>79.2</b>	<b>0.1</b>	<b>79.3</b>	<b>8.0</b>	<b>--</b>	<b>8.0</b>	<b>87.3</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to owner class and forest-land status as identified in previous inventory when available, else assigned from current inventory.

**Table IA-26.—Average annual mortality of trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, Iowa, 2013**

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Non stocked	
Oak / pine group	0.2	0.3	0.1	--	--	0.6
Oak / hickory group	38.6	8.1	0.8	--	--	47.5
Elm / ash / cottonwood group	35.4	2.3	0.2	--	--	38.0
Maple / birch group	0.5	--	--	--	--	0.5
Aspen / birch group	0.2	--	--	--	--	0.2
Exotic hardwoods group	0.1	--	0.1	--	--	0.3
Nonstocked	--	--	--	--	0.3	0.3
<b>All forest-type groups</b>	<b>74.9</b>	<b>10.7</b>	<b>1.3</b>	<b>--</b>	<b>0.3</b>	<b>87.3</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to forest-type group and stand-size class as identified in previous inventory when available, else assigned from current inventory.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

Table IA-27.—Average annual mortality of trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other yellow pines					
Scotch pine	--	--	--	0.0	0.0
Group subtotal	--	0.0	0.0	0.0	0.0
Eastern white and red pines					
Red pine	--	--	--	0.2	0.2
Group subtotal	--	0.0	0.0	0.2	0.2
Other eastern softwoods					
Eastern redcedar	--	--	--	0.2	0.2
Group subtotal	--	0.0	0.0	0.2	0.2
<b>All softwoods</b>	--	--	--	0.5	0.5

(Table 27 continued on next page)

(Table 27 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	0.7	0.0	0.3	1.0
Bur oak	--	0.1	0.1	3.1	3.3
Chinkapin oak	--	--	--	0.1	0.1
Group subtotal	--	0.7	0.1	3.5	4.4
Select red oaks					
Northern red oak	--	0.2	0.2	1.4	1.8
Group subtotal	--	0.2	0.2	1.4	1.8
Other red oaks					
Northern pin oak	--	--	--	0.2	0.2
Shingle oak	--	0.2	--	0.7	0.9
Black oak	--	0.1	--	1.1	1.2
Group subtotal	--	0.2	0.0	2.0	2.2
Hickory					
Bitternut hickory	--	--	0.1	2.1	2.2
Shagbark hickory	--	--	0.1	1.1	1.2
Group subtotal	--	0.0	0.2	3.2	3.4
Hard maple					
Black maple	--	--	--	0.1	0.1
Sugar maple	--	--	--	0.0	0.0
Group subtotal	--	0.0	0.0	0.2	0.2
Soft maple					
Silver maple	--	5.1	0.4	13.3	18.8
Group subtotal	--	5.1	0.4	13.3	18.8
Ash					
White ash	--	0.2	--	0.4	0.5
Black ash	--	--	--	0.1	0.1
Green ash	--	--	0.3	1.4	1.6
Group subtotal	--	0.2	0.3	1.8	2.2
Cottonwood and aspen					
Eastern cottonwood	--	1.7	--	7.9	9.5
Bigtooth aspen	--	--	--	0.3	0.3
Quaking aspen	--	--	--	0.0	0.0
Group subtotal	--	1.7	0.0	8.2	9.8
Basswood					
American basswood	--	0.3	0.0	1.3	1.6
Group subtotal	--	0.3	0.0	1.3	1.6

(Table 27 continued on next page)



(Table 27 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Eastern hardwood species groups</b>					
Black walnut					
Black walnut	--	--	0.4	1.6	1.9
Group subtotal	--	0.0	0.4	1.6	1.9
Other eastern soft hardwoods					
Boxelder	--	--	0.2	2.6	2.8
Paper birch	--	--	--	0.1	0.1
Hackberry	--	0.4	--	0.6	1.1
Black cherry	--	0.0	0.5	1.1	1.6
Black willow	--	0.1	--	2.4	2.4
American elm	--	--	2.0	20.6	22.6
Siberian elm	--	--	0.2	0.3	0.5
Slippery elm	--	0.0	0.3	4.3	4.6
Group subtotal	--	0.5	3.2	31.9	35.7
Other eastern hard hardwoods					
Honeylocust	--	--	--	1.5	1.5
Red mulberry	--	--	0.7	1.2	1.9
Black locust	--	--	0.0	0.3	0.3
Group subtotal	--	0.0	0.7	3.0	3.7
Eastern noncommercial hardwoods					
Serviceberry spp.	--	0.0	--	0.0	0.1
Eastern redbud	--	--	--	0.0	0.0
Haw thorn spp.	--	--	--	0.1	0.1
Osage-orange	--	--	--	0.3	0.3
Eastern hophornbeam	--	0.0	0.0	0.6	0.6
American plum	--	--	0.0	--	0.0
Russian-olive	--	--	0.0	--	0.0
Group subtotal	--	0.1	0.1	1.0	1.2
<b>All hardwoods</b>	--	9.0	5.6	72.2	86.8
<b>All species groups</b>	--	9.0	5.6	72.7	87.3

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.  
Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table IA-28.—Average annual mortality of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other yellow pines					
Scotch pine	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Eastern white and red pines					
Red pine	--	--	--	0.2	0.2
Group subtotal	--	--	--	0.2	0.2
Other eastern softwoods					
Eastern redcedar	--	--	--	0.1	0.1
Group subtotal	--	--	--	0.1	0.1
<b>All softwoods</b>	--	--	--	0.4	0.4

(Table 28 continued on next page)

(Table 28 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	0.7	0.0	0.1	0.8
Bur oak	--	0.0	0.1	1.3	1.4
Chinkapin oak	--	0.0	0.0	0.1	0.1
Group subtotal	--	0.7	0.1	1.5	2.3
Select red oaks					
Northern red oak	--	--	0.2	1.3	1.5
Group subtotal	--	--	0.2	1.3	1.5
Other red oaks					
Shingle oak	--	0.2	--	0.3	0.5
Black oak	--	0.1	--	1.0	1.1
Group subtotal	--	0.2	--	1.3	1.6
Hickory					
Bitternut hickory	--	--	0.1	1.8	1.9
Shagbark hickory	--	--	0.0	1.0	1.0
Group subtotal	--	--	0.1	2.8	2.9
Hard maple					
Black maple	--	--	--	0.1	0.1
Sugar maple	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.2	0.2
Soft maple					
Silver maple	--	--	0.1	7.4	7.5
Group subtotal	--	--	0.1	7.4	7.5
Ash					
White ash	--	0.2	0.0	0.2	0.4
Green ash	--	0.0	0.1	1.1	1.1
Group subtotal	--	0.2	0.1	1.3	1.5
Cottonwood and aspen					
Eastern cottonwood	--	--	--	7.8	7.8
Bigtooth aspen	--	--	--	0.2	0.2
Quaking aspen	--	--	--	0.0	0.0
Group subtotal	--	--	--	8.0	8.0
Basswood					
American basswood	--	0.0	0.0	1.1	1.1
Group subtotal	--	0.0	0.0	1.1	1.1
Black walnut					
Black walnut	--	--	0.4	1.0	1.4
Group subtotal	--	--	0.4	1.0	1.4

(Table 28 continued on next page)

(Table 28 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern soft hardwoods					
Boxelder	--	0.0	0.0	0.4	0.4
Paper birch	--	0.0	0.0	0.1	0.1
Hackberry	--	0.0	0.0	0.3	0.3
Black cherry	--	0.0	0.4	0.4	0.9
Black willow	--	0.0	0.0	1.0	1.0
American elm	--	0.0	1.0	11.6	12.6
Siberian elm	--	0.0	0.0	0.2	0.2
Slippery elm	--	0.0	0.0	3.4	3.4
Group subtotal	--	0.0	1.5	17.5	19.0
Other eastern hard hardwoods					
Honeylocust	--	--	--	0.2	0.2
Red mulberry	--	--	--	0.1	0.1
Group subtotal	--	--	--	0.4	0.4
<b>All hardwoods</b>	--	1.2	2.4	43.6	47.2
<b>All species groups</b>	--	1.2	2.4	44.0	47.5

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table IA-29.—Average annual removals of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, Iowa, 2013

Species group\Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other eastern softwoods					
Eastern redcedar	--	--	--	0.3	0.3
Group subtotal	--	--	--	0.3	0.3
<b>All softwoods</b>	--	--	--	0.3	0.3

(Table 29 continued on next page)

(Table 29 continued)

Species group\Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	--	--	1.1	1.1
Bur oak	--	--	--	1.8	1.8
Group subtotal	--	--	--	2.9	2.9
Select red oaks					
Northern red oak	--	--	--	2.0	2.0
Group subtotal	--	--	--	2.0	2.0
Other red oaks					
Black oak	--	--	--	0.2	0.2
Group subtotal	--	--	--	0.2	0.2
Hickory					
Bitternut hickory	--	--	--	0.2	0.2
Shagbark hickory	--	--	--	0.1	0.1
Group subtotal	--	--	--	0.3	0.3
Hard maple					
Black maple	--	--	--	0.1	0.1
Sugar maple	--	--	--	0.3	0.3
Group subtotal	--	--	--	0.5	0.5
Soft maple					
Silver maple	--	--	--	6.5	6.5
Group subtotal	--	--	--	6.5	6.5
Ash					
White ash	--	--	--	0.6	0.6
Group subtotal	--	--	--	0.6	0.6
Cottonwood and aspen					
Eastern cottonwood	--	--	2.6	9.1	11.7
Group subtotal	--	--	2.6	9.1	11.7
Basswood					
American basswood	--	--	--	0.2	0.2
Group subtotal	--	--	--	0.2	0.2
Black walnut					
Black walnut	--	--	1.0	5.8	6.8
Group subtotal	--	--	1.0	5.8	6.8

(Table 29 continued on next page)

(Table 29 continued)

Species group\Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern soft hardwoods					
Boxelder	--	--	--	1.2	1.2
Hackberry	--	--	0.1	1.7	1.8
Butternut	--	--	--	0.1	0.1
Black cherry	--	0.0	--	0.4	0.4
Black willow	--	0.0	--	0.4	0.4
American elm	--	--	0.0	2.4	2.5
Siberian elm	--	--	0.0	0.0	0.1
Slippery elm	--	--	0.0	0.5	0.6
Group subtotal	--	0.1	0.2	6.8	7.0
Other eastern hard hardwoods					
Honeylocust	--	0.1	0.8	2.5	3.4
Red mulberry	--	--	0.0	0.6	0.6
Black locust	--	--	0.0	0.6	0.6
Group subtotal	--	0.1	0.8	3.7	4.7
Eastern noncommercial hardwoods					
Osage-orange	--	--	--	0.6	0.6
Cherry and plum spp.	--	0.0	--	--	0.0
American plum	--	--	--	0.0	0.0
Group subtotal	--	0.0	--	0.6	0.6
<b>All hardwoods</b>	--	0.2	4.6	39.2	43.9
<b>All species groups</b>	--	0.2	4.6	39.5	44.3

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table IA-30.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, Iowa, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Softwood species groups</b>					
<b>Eastern softwood species groups</b>					
Other eastern softwoods					
Eastern redcedar	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
<b>All softwoods</b>	--	--	--	0.0	0.0

(Table 30 continued on next page)



(Table 30 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
<b>Hardwood species groups</b>					
<b>Eastern hardwood species groups</b>					
Select white oaks					
White oak	--	--	--	0.7	0.7
Bur oak	--	--	--	1.8	1.8
Group subtotal	--	--	--	2.5	2.5
Select red oaks					
Northern red oak	--	--	--	2.5	2.5
Group subtotal	--	--	--	2.5	2.5
Other red oaks					
Black oak	--	--	--	0.2	0.2
Group subtotal	--	--	--	0.2	0.2
Hickory					
Bitternut hickory	--	--	--	0.1	0.1
Shagbark hickory	--	--	--	0.1	0.1
Group subtotal	--	--	--	0.2	0.2
Hard maple					
Black maple	--	--	--	0.1	0.1
Group subtotal	--	--	--	0.1	0.1
Soft maple					
Silver maple	--	--	--	5.7	5.7
Group subtotal	--	--	--	5.7	5.7
Ash					
White ash	--	--	--	0.4	0.4
Group subtotal	--	--	--	0.4	0.4
Cottonwood and aspen					
Eastern cottonwood	--	--	2.4	9.0	11.5
Group subtotal	--	--	2.4	9.0	11.5
Basswood					
American basswood	--	--	--	0.1	0.1
Group subtotal	--	--	--	0.1	0.1
Black walnut					
Black walnut	--	--	0.9	4.9	5.9
Group subtotal	--	--	0.9	4.9	5.9

(Table 30 continued on next page)

(Table 30 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern soft hardwoods					
Boxelder	--	--	--	0.2	0.2
Hackberry	--	--	0.0	1.2	1.2
Black cherry	--	0.0	--	0.1	0.1
Black willow	--	0.0	--	--	0.0
American elm	--	--	--	1.9	1.9
Slippery elm	--	--	0.0	0.5	0.6
Group subtotal	--	0.0	0.1	3.9	4.0
Other eastern hard hardwoods					
Honeylocust	--	0.0	0.1	2.1	2.2
Black locust	--	--	--	0.5	0.5
Group subtotal	--	0.0	0.1	2.7	2.8
<b>All hardwoods</b>	--	0.1	3.6	32.4	36.0
<b>All species groups</b>	--	0.1	3.6	32.4	36.0

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table IA-31.—Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c.), in thousand dry short tons, by owner class and forest-land status, Iowa, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Other Federal</b>							
Fish and Wildlife Service	131	--	131	1,748	--	1,748	1,879
Department of Defense or Energy	3,425	--	3,425	12	--	12	3,437
<b>State and local government</b>							
State	7,347	--	7,347	1,883	--	1,883	9,230
Local (county, municipal, etc.)	3,315	--	3,315	714	--	714	4,029
<b>Private</b>							
Undifferentiated private	102,849	1,287	104,136	--	--	--	104,136
<b>All owners</b>	<b>117,067</b>	<b>1,287</b>	<b>118,354</b>	<b>4,357</b>	<b>--</b>	<b>4,357</b>	<b>122,711</b>

All table cells without observations in the inventory sample are indicated by --.

Table value of 0 indicates the aboveground tree biomass rounds to less than 1,000 dry tons.

Columns and rows may not add to their totals due to rounding.

Table IA-54.—Area of forest land, in thousand acres, by inventory unit, county, and forest-land status, Iowa, 2013

Inventory unit and county	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Northeastern</b>							
Allamakee	147.7	--	147.7	12.5	--	12.5	160.3
Benton	34.4	--	34.4	--	--	--	34.4
Black Hawk	21.6	--	21.6	--	--	--	21.6
Bremer	22.9	--	22.9	--	--	--	22.9
Buchanan	4.5	--	4.5	--	--	--	4.5
Butler	5.9	--	5.9	--	--	--	5.9
Cedar	15.6	--	15.6	--	--	--	15.6
Chickasaw	7.4	--	7.4	--	--	--	7.4
Clayton	133.7	--	133.7	1.7	--	1.7	135.3
Clinton	34.1	--	34.1	--	--	--	34.1
Delaware	18.9	--	18.9	--	--	--	18.9
Dubuque	51.2	--	51.2	--	--	--	51.2
Fayette	24.1	--	24.1	4.1	--	4.1	28.2
Floyd	25.1	--	25.1	1.1	--	1.1	26.2
Grundy	5.4	--	5.4	--	--	--	5.4
Howard	32.7	--	32.7	--	--	--	32.7
Jackson	94.2	--	94.2	10.2	--	10.2	104.4
Johnson	42.0	--	42.0	3.4	--	3.4	45.4
Jones	26.2	--	26.2	--	--	--	26.2
Linn	45.7	--	45.7	--	--	--	45.7
Mitchell	8.0	--	8.0	--	--	--	8.0
Scott	17.9	7.4	25.3	--	--	--	25.3
Tama	58.4	--	58.4	7.7	--	7.7	66.1
Winneshiek	66.9	--	66.9	--	--	--	66.9
<b>Total</b>	<b>944.7</b>	<b>7.4</b>	<b>952.1</b>	<b>40.6</b>	<b>--</b>	<b>40.6</b>	<b>992.7</b>

(Table 54 continued on next page)

(Table 54 continued)

Inventory unit and county	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Southeastern</b>							
Appanoose	76.0	--	76.0	--	--	--	76.0
Boone	24.7	--	24.7	--	--	--	24.7
Clarke	46.8	--	46.8	--	--	--	46.8
Dallas	22.4	--	22.4	--	--	--	22.4
Davis	49.0	--	49.0	--	--	--	49.0
Decatur	92.4	--	92.4	5.0	--	5.0	97.5
Des Moines	69.1	--	69.1	--	--	--	69.1
Guthrie	46.1	5.5	51.6	0.1	--	0.1	51.7
Hamilton	7.7	--	7.7	--	--	--	7.7
Hardin	22.8	--	22.8	--	--	--	22.8
Henry	44.8	--	44.8	--	--	--	44.8
Iowa	33.0	--	33.0	--	--	--	33.0
Jasper	15.2	6.0	21.3	--	--	--	21.3
Jefferson	38.9	--	38.9	--	--	--	38.9
Keokuk	23.3	--	23.3	--	--	--	23.3
Lee	84.1	--	84.1	--	--	--	84.1
Louisa	16.6	--	16.6	4.8	--	4.8	21.4
Lucas	69.1	--	69.1	--	--	--	69.1
Madison	50.3	--	50.3	--	--	--	50.3
Mahaska	44.4	--	44.4	5.0	--	5.0	49.4
Marion	40.8	--	40.8	--	--	--	40.8
Marshall	25.1	--	25.1	--	--	--	25.1
Monroe	69.3	--	69.3	--	--	--	69.3
Muscatine	37.8	--	37.8	--	--	--	37.8
Polk	41.5	--	41.5	--	--	--	41.5
Poweshiek	18.6	--	18.6	--	--	--	18.6
Story	25.3	--	25.3	4.3	--	4.3	29.6
Van Buren	76.9	--	76.9	5.0	--	5.0	81.9
Wapello	65.4	--	65.4	--	--	--	65.4
Warren	42.3	--	42.3	--	--	--	42.3
Washington	28.6	0.9	29.5	--	--	--	29.5
Wayne	32.2	--	32.2	--	--	--	32.2
Webster	19.3	--	19.3	9.5	--	9.5	28.7
<b>Total</b>	1,399.7	12.4	1,412.1	33.7	--	33.7	1,445.9

(Table 54 continued on next page)

(Table 54 continued)

Inventory unit and county	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Southwestern</b>							
Adair	13.7	--	13.7	--	--	--	13.7
Adams	3.5	1.3	4.8	--	--	--	4.8
Audubon	4.6	--	4.6	--	--	--	4.6
Cass	12.4	--	12.4	--	--	--	12.4
Crawford	16.4	--	16.4	--	--	--	16.4
Fremont	28.1	--	28.1	4.7	--	4.7	32.8
Greene	22.5	--	22.5	--	--	--	22.5
Harrison	43.2	--	43.2	0.7	--	0.7	44.0
Mills	36.9	--	36.9	--	--	--	36.9
Monona	31.3	--	31.3	4.7	--	4.7	35.9
Montgomery	19.2	--	19.2	1.2	--	1.2	20.4
Page	27.3	--	27.3	--	--	--	27.3
Pottawattamie	35.6	--	35.6	--	--	--	35.6
Ringgold	25.0	--	25.0	--	--	--	25.0
Shelby	2.6	--	2.6	--	--	--	2.6
Taylor	21.9	--	21.9	--	--	--	21.9
Union	23.5	--	23.5	--	--	--	23.5
Woodbury	17.6	--	17.6	4.7	--	4.7	22.2
<b>Total</b>	<b>385.3</b>	<b>1.3</b>	<b>386.6</b>	<b>15.9</b>	<b>--</b>	<b>15.9</b>	<b>402.5</b>

(Table 54 continued on next page)

(Table 54 continued)

Inventory unit and county	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
<b>Northwestern</b>							
Buena Vista	8.5	--	8.5	--	--	--	8.5
Cerro Gordo	7.5	--	7.5	--	--	--	7.5
Cherokee	9.6	--	9.6	--	--	--	9.6
Clay	8.6	--	8.6	--	--	--	8.6
Dickinson	1.3	--	1.3	--	--	--	1.3
Emmet	3.0	--	3.0	--	--	--	3.0
Franklin	9.2	--	9.2	--	--	--	9.2
Hancock	0.3	--	0.3	--	--	--	0.3
Humboldt	6.6	--	6.6	--	--	--	6.6
Ida	3.3	--	3.3	--	--	--	3.3
Kossuth	7.8	--	7.8	--	--	--	7.8
Lyon	2.7	4.4	7.1	--	--	--	7.1
O'Brien	--	0.3	0.3	--	--	--	0.3
Palo Alto	8.6	--	8.6	--	--	--	8.6
Plymouth	29.7	--	29.7	--	--	--	29.7
Pocahontas	2.7	--	2.7	--	--	--	2.7
Sac	3.7	--	3.7	--	--	--	3.7
Worth	2.1	--	2.1	--	--	--	2.1
Wright	5.7	--	5.7	--	--	--	5.7
<b>Total</b>	120.7	4.7	125.5	--	--	--	125.5
<b>All counties</b>	2,850.4	25.9	2,876.3	90.3	--	90.3	2,966.5

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Table IA-55.—Area of forest land, in thousand acres, by inventory unit, county, ownership group, and forest-land status, Iowa, 2013

Inventory unit and county	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	
<b>Northeastern</b>									
Allamakee	--	--	--	12.5	30.6	--	117.1	--	160.3
Benton	--	--	--	--	--	--	34.4	--	34.4
Black Hawk	--	--	--	--	7.0	--	14.6	--	21.6
Bremer	--	--	--	--	--	--	22.9	--	22.9
Buchanan	--	--	--	--	2.6	--	1.8	--	4.5
Butler	--	--	--	--	--	--	5.9	--	5.9
Cedar	--	--	--	--	--	--	15.6	--	15.6
Chickasaw	--	--	--	--	--	--	7.4	--	7.4
Clayton	--	--	--	--	6.0	1.7	127.7	--	135.3
Clinton	--	--	--	--	--	--	34.1	--	34.1
Delaware	--	--	--	--	--	--	18.9	--	18.9
Dubuque	--	--	--	--	--	--	51.2	--	51.2
Fayette	--	--	--	--	--	4.1	24.1	--	28.2
Floyd	--	--	--	--	--	1.1	25.1	--	26.2
Grundy	--	--	--	--	--	--	5.4	--	5.4
Howard	--	--	--	--	--	--	32.7	--	32.7
Jackson	--	--	7.0	10.2	--	--	87.2	--	104.4
Johnson	--	--	21.2	3.4	--	--	20.8	--	45.4
Jones	--	--	--	--	--	--	26.2	--	26.2
Linn	--	--	--	--	15.3	--	30.4	--	45.7
Mitchell	--	--	--	--	--	--	8.0	--	8.0
Scott	--	--	1.6	--	1.6	--	14.8	7.4	25.3
Tama	--	--	--	--	7.4	7.7	51.0	--	66.1
Winneshek	--	--	--	--	--	--	66.9	--	66.9
<b>Total</b>	--	--	29.8	26.1	70.5	14.5	844.4	7.4	992.7

(Table 55 continued on next page)



(Table 55 continued)

Inventory unit and county	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	
<b>Southeastern</b>									
Appanoose	--	--	12.3	--	--	--	63.7	--	76.0
Boone	--	--	5.3	--	1.1	--	18.3	--	24.7
Clarke	--	--	--	--	--	--	46.8	--	46.8
Dallas	--	--	5.0	--	3.9	--	13.5	--	22.4
Davis	--	--	--	--	--	--	49.0	--	49.0
Decatur	--	--	--	--	1.1	5.0	91.4	--	97.5
Des Moines	--	--	9.4	--	--	--	59.7	--	69.1
Guthrie	--	--	--	--	5.0	0.1	41.0	5.5	51.7
Hamilton	--	--	--	--	3.2	--	4.5	--	7.7
Hardin	--	--	--	--	5.9	--	16.9	--	22.8
Henry	--	--	--	--	--	--	44.8	--	44.8
Iowa	--	--	--	--	5.0	--	28.0	--	33.0
Jasper	--	--	--	--	--	--	15.2	6.0	21.3
Jefferson	--	--	--	--	3.8	--	35.1	--	38.9
Keokuk	--	--	--	--	--	--	23.3	--	23.3
Lee	--	--	--	--	6.6	--	77.5	--	84.1
Louisa	--	--	--	4.8	--	--	16.6	--	21.4
Lucas	--	--	5.0	--	19.4	--	44.6	--	69.1
Madison	--	--	--	--	--	--	50.3	--	50.3
Mahaska	--	--	--	--	--	5.0	44.4	--	49.4
Marion	--	--	--	--	3.4	--	37.3	--	40.8
Marshall	--	--	--	--	--	--	25.1	--	25.1
Monroe	--	--	--	--	7.9	--	61.4	--	69.3
Muscatine	--	--	--	--	6.1	--	31.7	--	37.8
Polk	--	--	11.3	--	15.0	--	15.2	--	41.5
Poweshiek	--	--	--	--	11.0	--	7.6	--	18.6
Story	--	--	--	--	6.0	4.3	19.3	--	29.6
Van Buren	--	--	--	--	2.4	5.0	74.5	--	81.9
Wapello	--	--	--	--	--	--	65.4	--	65.4
Warren	--	--	--	--	--	--	42.3	--	42.3
Washington	--	--	--	--	--	--	28.6	0.9	29.5
Wayne	--	--	--	--	--	--	32.2	--	32.2
Webster	--	--	--	--	5.0	9.5	14.2	--	28.7
<b>Total</b>	--	--	48.3	4.8	111.7	28.9	1,239.7	12.4	1,445.9

(Table 55 continued on next page)

(Table 55 continued)

Inventory unit and county	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	
<b>Southwestern</b>									
Adair	--	--	--	--	--	--	13.7	--	13.7
Adams	--	--	--	--	--	--	3.5	1.3	4.8
Audubon	--	--	--	--	--	--	4.6	--	4.6
Cass	--	--	--	--	--	--	12.4	--	12.4
Crawford	--	--	--	--	0.1	--	16.4	--	16.4
Fremont	--	--	5.9	--	--	4.7	22.1	--	32.8
Greene	--	--	--	--	4.4	--	18.1	--	22.5
Harrison	--	--	--	0.7	4.7	--	38.6	--	44.0
Mills	--	--	--	--	--	--	36.9	--	36.9
Monona	--	--	--	--	4.7	4.7	26.6	--	35.9
Montgomery	--	--	--	--	--	1.2	19.2	--	20.4
Page	--	--	--	--	--	--	27.3	--	27.3
Pottawattamie	--	--	--	--	--	--	35.6	--	35.6
Ringgold	--	--	--	--	4.7	--	20.3	--	25.0
Shelby	--	--	--	--	--	--	2.6	--	2.6
Taylor	--	--	--	--	--	--	21.9	--	21.9
Union	--	--	--	--	2.8	--	20.7	--	23.5
Woodbury	--	--	2.3	--	6.4	4.7	8.8	--	22.2
<b>Total</b>	--	--	8.3	0.7	27.7	15.2	349.3	1.3	402.5

(Table 55 continued on next page)

(Table 55 continued)

Inventory unit and county	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	
<b>Northwestern</b>									
Buena Vista	--	--	--	--	--	--	8.5	--	8.5
Cerro Gordo	--	--	--	--	--	--	7.5	--	7.5
Cherokee	--	--	--	--	--	--	9.6	--	9.6
Clay	--	--	--	--	--	--	8.6	--	8.6
Dickinson	--	--	--	--	1.3	--	--	--	1.3
Emmet	--	--	--	--	--	--	3.0	--	3.0
Franklin	--	--	--	--	5.3	--	3.8	--	9.2
Hancock	--	--	--	--	0.3	--	--	--	0.3
Humboldt	--	--	--	--	--	--	6.6	--	6.6
Ida	--	--	--	--	--	--	3.3	--	3.3
Kossuth	--	--	--	--	--	--	7.8	--	7.8
Lyon	--	--	--	--	2.7	--	--	4.4	7.1
O'Brien	--	--	--	--	--	--	--	0.3	0.3
Palo Alto	--	--	--	--	--	--	8.6	--	8.6
Plymouth	--	--	--	--	--	--	29.7	--	29.7
Pocahontas	--	--	--	--	2.7	--	--	--	2.7
Sac	--	--	--	--	3.7	--	--	--	3.7
Worth	--	--	--	--	2.1	--	--	--	2.1
Wright	--	--	--	--	--	--	5.7	--	5.7
<b>Total</b>	--	--	--	--	18.1	--	102.7	4.7	125.5
<b>All counties</b>	--	--	86.4	31.7	227.9	58.6	2,536.1	25.9	2,966.5

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Table IA-56.—Area of forest land, in thousand acres, by inventory unit, county, and forest-type group, Iowa, 2013

Inventory unit and county	Forest-type group									All groups
	Other E softwoods	Oak/pine	Oak/hickory	Elm/ash/cottonwood	Maple/birch	Aspen/birch	Other hardwoods	Exotic hardwoods	Non-stocked	
<b>Northeastern</b>										
Allamakee	--	--	129.1	14.4	14.9	1.9	--	--	--	160.3
Benton	--	--	25.1	9.3	--	--	--	--	--	34.4
Black Hawk	--	--	10.5	11.1	--	--	--	--	--	21.6
Bremer	--	--	2.8	12.8	7.4	--	--	--	--	22.9
Buchanan	--	--	2.6	--	--	--	--	--	1.8	4.5
Butler	--	--	5.9	--	--	--	--	--	--	5.9
Cedar	--	--	9.3	6.3	--	--	--	--	--	15.6
Chickasaw	--	--	--	--	--	7.4	--	--	--	7.4
Clayton	--	--	80.0	9.0	35.4	--	11.0	--	--	135.3
Clinton	--	--	12.6	20.2	--	--	--	--	1.3	34.1
Delaware	--	--	18.9	--	--	--	--	--	--	18.9
Dubuque	--	6.9	28.7	--	15.7	--	--	--	--	51.2
Fayette	7.4	--	19.5	1.3	--	--	--	--	--	28.2
Floyd	--	--	8.3	18.0	--	--	--	--	--	26.2
Grundy	--	--	5.4	--	--	--	--	--	--	5.4
Howard	--	--	28.6	4.1	--	--	--	--	--	32.7
Jackson	2.3	--	78.2	21.3	--	--	--	--	2.7	104.4
Johnson	--	--	33.3	12.1	--	--	--	--	--	45.4
Jones	--	--	16.7	9.5	--	--	--	--	--	26.2
Linn	--	1.8	22.7	19.7	--	--	--	1.5	--	45.7
Mitchell	--	--	6.5	1.5	--	--	--	--	--	8.0
Scott	--	--	16.3	9.0	--	--	--	--	--	25.3
Tama	--	--	39.5	24.7	--	--	--	--	1.8	66.1
Winneshiek	--	--	37.3	25.2	1.4	--	--	--	3.1	66.9
<b>Total</b>	9.7	8.7	637.6	229.3	74.8	9.3	11.0	1.5	10.8	992.7

(Table 56 continued on next page)

(Table 56 continued)

Inventory unit and county	Forest-type group									All groups
	Other E softwoods	Oak/pine	Oak/hickory	Elm/ash/cottonwood	Maple/birch	Aspen/birch	Other hardwoods	Exotic hardwoods	Non-stocked	
<b>Southeastern</b>										
Appanoose	--	--	76.0	--	--	--	--	--	--	76.0
Boone	--	--	18.3	6.4	--	--	--	--	--	24.7
Clarke	--	6.1	26.9	6.1	--	--	--	--	7.7	46.8
Dallas	--	--	19.7	2.7	--	--	--	--	--	22.4
Davis	--	--	39.9	7.6	--	--	1.5	--	--	49.0
Decatur	--	--	63.9	21.4	--	--	1.1	11.1	--	97.5
Des Moines	--	--	69.1	--	--	--	--	--	--	69.1
Guthrie	5.7	--	46.0	--	--	--	--	--	--	51.7
Hamilton	--	--	1.3	6.4	--	--	--	--	--	7.7
Hardin	--	--	22.8	--	--	--	--	--	--	22.8
Henry	--	5.3	27.8	11.6	--	--	--	--	--	44.8
Iowa	--	--	22.1	6.1	--	--	--	--	4.8	33.0
Jasper	--	--	17.4	3.8	--	--	--	--	--	21.3
Jefferson	--	--	22.9	12.2	2.0	--	--	--	1.8	38.9
Keokuk	--	--	10.7	12.6	--	--	--	--	--	23.3
Lee	--	--	78.5	5.6	--	--	--	--	--	84.1
Louisa	--	--	13.8	7.6	--	--	--	--	--	21.4
Lucas	--	--	47.0	20.6	--	--	--	--	1.5	69.1
Madison	--	--	35.0	15.3	--	--	--	--	--	50.3
Mahaska	--	--	26.7	22.8	--	--	--	--	--	49.4
Marion	--	--	32.3	8.5	--	--	--	--	--	40.8
Marshall	--	--	7.6	17.5	--	--	--	--	--	25.1
Monroe	--	--	55.0	14.2	--	--	--	--	--	69.3
Muscatine	--	4.6	14.0	17.7	--	--	--	--	1.5	37.8
Polk	--	--	16.5	23.7	1.3	--	--	--	--	41.5
Poweshiek	--	--	18.4	0.2	--	--	--	--	--	18.6
Story	--	--	27.8	1.8	--	--	--	--	--	29.6
Van Buren	2.9	--	75.8	0.3	--	--	--	--	2.9	81.9
Wapello	--	3.6	58.9	2.9	--	--	--	--	--	65.4
Warren	2.5	--	24.4	15.4	--	--	--	--	--	42.3
Washington	--	--	29.5	--	--	--	--	--	--	29.5
Wayne	--	--	32.2	--	--	--	--	--	--	32.2
Webster	--	--	22.1	6.7	--	--	--	--	--	28.7
<b>Total</b>	11.2	19.6	1,100.0	277.8	3.3	--	2.6	11.1	20.3	1,445.9

(Table 56 continued on next page)

(Table 56 continued)

Inventory unit and county	Forest-type group									All groups
	Other E softwoods	Oak/pine	Oak/hickory	Elm/ash/cottonwood	Maple/birch	Aspen/birch	Other hardwoods	Exotic hardwoods	Non-stocked	
<b>Southwestern</b>										
Adair	--	--	10.3	3.4	--	--	--	--	--	13.7
Adams	1.3	--	--	3.5	--	--	--	--	--	4.8
Audubon	--	--	4.6	--	--	--	--	--	--	4.6
Cass	--	--	2.7	8.2	--	--	--	--	1.5	12.4
Crawford	--	--	7.1	9.3	--	--	--	--	--	16.4
Fremont	2.1	4.6	20.1	5.9	--	--	--	--	--	32.8
Greene	--	1.1	21.4	--	--	--	--	--	--	22.5
Harrison	--	8.3	22.0	7.9	--	--	1.2	--	4.7	44.0
Mills	--	--	21.8	15.1	--	--	--	--	--	36.9
Monona	--	13.2	17.2	5.6	--	--	--	--	--	35.9
Montgomery	--	4.6	15.8	--	--	--	--	--	--	20.4
Page	--	5.6	8.5	11.8	--	--	--	--	1.5	27.3
Pottawattamie	--	--	18.7	16.9	--	--	--	--	--	35.6
Ringgold	--	0.3	10.5	11.2	--	--	3.0	--	--	25.0
Shelby	--	--	--	2.6	--	--	--	--	--	2.6
Taylor	--	9.4	12.4	--	--	--	--	--	--	21.9
Union	--	2.8	16.4	4.3	--	--	--	--	--	23.5
Woodbury	--	3.8	12.0	5.0	--	--	--	--	1.5	22.2
<b>Total</b>	3.4	53.8	221.3	110.7	--	--	4.1	--	9.2	402.5

(Table 56 continued on next page)

(Table 56 continued)

Inventory unit and county	Forest-type group									All groups
	Other E softwoods	Oak/pine	Oak/hickory	Elm/ash/cottonwood	Maple/birch	Aspen/birch	Other hardwoods	Exotic hardwoods	Non-stocked	
<b>Northwestern</b>										
Buena Vista	--	--	2.1	6.3	--	--	--	--	--	8.5
Cerro Gordo	--	--	7.5	--	--	--	--	--	--	7.5
Cherokee	3.6	--	--	5.9	--	--	--	--	--	9.6
Clay	--	--	8.6	--	--	--	--	--	--	8.6
Dickinson	--	--	--	1.3	--	--	--	--	--	1.3
Emmet	--	--	--	3.0	--	--	--	--	--	3.0
Franklin	--	--	--	9.2	--	--	--	--	--	9.2
Hancock	--	--	0.3	--	--	--	--	--	--	0.3
Humboldt	--	--	--	6.6	--	--	--	--	--	6.6
Ida	--	--	3.3	--	--	--	--	--	--	3.3
Kossuth	--	--	--	7.8	--	--	--	--	--	7.8
Lyon	--	--	7.1	--	--	--	--	--	--	7.1
O'Brien	--	--	0.3	--	--	--	--	--	--	0.3
Palo Alto	--	--	--	8.6	--	--	--	--	--	8.6
Plymouth	--	5.9	17.1	6.6	--	--	--	--	--	29.7
Pocahontas	--	--	2.7	--	--	--	--	--	--	2.7
Sac	--	--	--	3.7	--	--	--	--	--	3.7
Worth	--	--	--	2.1	--	--	--	--	--	2.1
Wright	--	--	--	5.7	--	--	--	--	--	5.7
<b>Total</b>	3.6	5.9	49.1	66.8	--	--	--	--	--	125.5
<b>All counties</b>	27.9	88.0	2,008.1	684.6	78.1	9.3	17.7	12.6	40.3	2,966.5

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

In Iowa, maple/beech/birch forest-type group is referred to as "maple/birch" due to the absence of beech.

Table IA-57.—Area of timberland, in thousand acres, by inventory unit, county, and stand-size class, Iowa, 2013

Inventory unit and county	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
<b>Northeastern</b>						
Allamakee	122.5	18.7	6.6	--	--	147.7
Benton	25.2	7.7	1.5	--	--	34.4
Black Hawk	20.1	1.5	--	--	--	21.6
Bremer	20.2	2.8	--	--	--	22.9
Buchanan	2.6	--	--	--	1.8	4.5
Butler	1.5	--	4.4	--	--	5.9
Cedar	15.6	--	--	--	--	15.6
Chickasaw	7.4	--	--	--	--	7.4
Clayton	111.4	2.9	19.4	--	--	133.7
Clinton	31.3	--	1.5	--	1.3	34.1
Delaware	18.9	--	--	--	--	18.9
Dubuque	31.6	14.2	5.4	--	--	51.2
Fayette	8.0	1.3	14.8	--	--	24.1
Floyd	9.5	10.6	5.0	--	--	25.1
Grundy	5.4	--	--	--	--	5.4
Howard	23.2	5.4	4.1	--	--	32.7
Jackson	75.0	1.8	14.7	--	2.7	94.2
Johnson	21.1	13.7	7.2	--	--	42.0
Jones	22.7	--	3.5	--	--	26.2
Linn	25.5	14.7	5.5	--	--	45.7
Mitchell	6.5	1.5	--	--	--	8.0
Scott	16.3	1.6	--	--	--	17.9
Tama	41.8	7.4	7.4	--	1.8	58.4
Winneshiek	44.7	19.1	--	--	3.1	66.9
<b>Total</b>	<b>708.0</b>	<b>124.8</b>	<b>101.0</b>	<b>--</b>	<b>10.8</b>	<b>944.7</b>

(Table 57 continued on next page)



(Table 57 continued)

Inventory unit and county	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
<b>Southeastern</b>						
Apanoose	52.4	17.6	5.9	--	--	76.0
Boone	14.4	6.1	4.2	--	--	24.7
Clarke	20.7	4.1	14.3	--	7.7	46.8
Dallas	16.3	6.1	--	--	--	22.4
Davis	29.3	13.8	5.9	--	--	49.0
Decatur	43.6	35.5	13.3	--	--	92.4
Des Moines	50.6	13.1	5.4	--	--	69.1
Guthrie	32.8	1.4	11.8	--	--	46.1
Hamilton	4.6	1.3	1.8	--	--	7.7
Hardin	16.8	--	6.0	--	--	22.8
Henry	34.3	10.5	--	--	--	44.8
Iowa	23.2	5.0	--	--	4.8	33.0
Jasper	15.2	--	--	--	--	15.2
Jefferson	27.9	--	9.2	--	1.8	38.9
Keokuk	23.3	--	--	--	--	23.3
Lee	69.9	8.3	5.8	--	--	84.1
Louisa	10.5	6.1	--	--	--	16.6
Lucas	34.3	21.7	11.6	--	1.5	69.1
Madison	37.1	11.7	1.5	--	--	50.3
Mahaska	28.1	8.6	7.7	--	--	44.4
Marion	30.2	4.4	6.1	--	--	40.8
Marshall	11.6	6.5	7.0	--	--	25.1
Monroe	56.0	6.8	6.4	--	--	69.3
Muscatine	31.7	4.6	--	--	1.5	37.8
Polk	17.6	13.2	10.8	--	--	41.5
Poweshiek	7.9	3.5	7.2	--	--	18.6
Story	17.6	7.8	--	--	--	25.3
Van Buren	50.0	21.0	2.9	--	2.9	76.9
Wapello	37.5	18.6	9.3	--	--	65.4
Warren	26.1	13.7	2.5	--	--	42.3
Washington	18.2	10.4	--	--	--	28.6
Wayne	27.7	4.5	--	--	--	32.2
Webster	19.3	--	--	--	--	19.3
<b>Total</b>	936.6	285.9	156.9	--	20.3	1,399.7

(Table 57 continued on next page)

(Table 57 continued)

Inventory unit and county	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
<b>Southwestern</b>						
Adair	13.7	--	--	--	--	13.7
Adams	--	3.5	--	--	--	3.5
Audubon	4.6	--	--	--	--	4.6
Cass	8.2	--	2.7	--	1.5	12.4
Crawford	16.4	0.0	--	--	--	16.4
Fremont	9.2	10.8	8.0	--	--	28.1
Greene	16.8	5.8	--	--	--	22.5
Harrison	31.4	5.0	2.2	--	4.7	43.2
Mills	19.9	11.7	5.3	--	--	36.9
Monona	19.8	1.5	10.0	--	--	31.3
Montgomery	4.6	9.4	5.2	--	--	19.2
Page	20.3	--	5.6	--	1.5	27.3
Pottawattamie	35.6	--	--	--	--	35.6
Ringgold	12.3	9.3	3.3	--	--	25.0
Shelby	2.6	--	--	--	--	2.6
Taylor	9.5	--	12.4	--	--	21.9
Union	14.9	5.8	2.8	--	--	23.5
Woodbury	8.2	1.5	6.4	--	1.5	17.6
<b>Total</b>	<b>247.9</b>	<b>64.3</b>	<b>63.9</b>	<b>--</b>	<b>9.2</b>	<b>385.3</b>

(Table 57 continued on next page)

(Table 57 continued)

Inventory unit and county	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
<b>Northwestern</b>						
Buena Vista	8.5	--	--	--	--	8.5
Cerro Gordo	7.5	--	--	--	--	7.5
Cherokee	5.9	--	3.6	--	--	9.6
Clay	--	8.6	--	--	--	8.6
Dickinson	1.3	--	--	--	--	1.3
Emmet	--	3.0	--	--	--	3.0
Franklin	9.2	--	--	--	--	9.2
Hancock	--	--	0.3	--	--	0.3
Humboldt	6.6	--	--	--	--	6.6
Ida	3.3	--	--	--	--	3.3
Kossuth	7.8	--	--	--	--	7.8
Lyon	--	2.7	--	--	--	2.7
Palo Alto	8.6	--	--	--	--	8.6
Plymouth	15.2	8.6	5.9	--	--	29.7
Pocahontas	2.7	--	--	--	--	2.7
Sac	3.7	--	--	--	--	3.7
Worth	2.1	--	--	--	--	2.1
Wright	5.7	--	--	--	--	5.7
<b>Total</b>	88.1	22.8	9.9	--	--	120.7
<b>All counties</b>	1,980.6	497.9	331.6	--	40.3	2,850.4

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the acres round to less than 100 acres.

Table IA-58.—Area of timberland, in thousand acres, by inventory unit, county, and stocking class, Iowa, 2013

Inventory unit and county	Stocking class of growing-stock trees					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
<b>Northeastern</b>						
Allamakee	0.2	69.3	38.3	39.9	--	147.7
Benton	--	16.7	7.4	2.9	7.4	34.4
Black Hawk	3.8	12.3	1.8	3.7	--	21.6
Bremer	--	10.2	5.4	7.4	--	22.9
Buchanan	1.8	--	--	2.6	--	4.5
Butler	--	--	5.9	--	--	5.9
Cedar	2.4	--	7.4	5.8	--	15.6
Chickasaw	--	7.4	--	--	--	7.4
Clayton	2.3	59.0	36.9	33.6	1.8	133.7
Clinton	1.3	16.5	8.9	7.4	--	34.1
Delaware	--	7.4	1.5	10.0	--	18.9
Dubuque	--	10.7	34.0	6.5	--	51.2
Fayette	1.3	20.0	--	2.8	--	24.1
Floyd	6.9	18.2	--	--	--	25.1
Grundy	--	--	5.4	--	--	5.4
Howard	5.4	8.4	11.5	7.4	--	32.7
Jackson	8.5	11.8	62.3	11.0	0.6	94.2
Johnson	3.5	21.1	14.8	--	2.6	42.0
Jones	--	--	18.4	7.8	--	26.2
Linn	5.7	33.2	6.8	--	--	45.7
Mitchell	1.5	--	6.0	0.5	--	8.0
Scott	--	14.8	3.1	--	--	17.9
Tama	1.8	19.8	14.8	22.0	--	58.4
Winneshiek	5.6	33.7	14.1	13.6	--	66.9
<b>Total</b>	52.1	390.6	304.5	185.1	12.4	944.7

(Table 58 continued on next page)

(Table 58 continued)

Inventory unit and county	Stocking class of growing-stock trees					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
<b>Southeastern</b>						
Apanoose	7.5	16.7	23.8	28.0	--	76.0
Boone	--	1.1	12.2	10.3	1.1	24.7
Clarke	26.5	--	18.0	--	2.3	46.8
Dallas	1.2	15.1	4.6	--	1.5	22.4
Davis	4.5	15.3	17.1	12.1	--	49.0
Decatur	8.7	33.2	41.7	8.8	--	92.4
Des Moines	--	22.2	25.2	21.6	--	69.1
Guthrie	3.4	11.8	14.4	16.4	--	46.1
Hamilton	1.3	--	3.2	3.2	--	7.7
Hardin	--	16.9	5.9	--	--	22.8
Henry	1.3	16.5	18.9	8.0	--	44.8
Iowa	4.8	16.3	11.9	--	--	33.0
Jasper	--	6.1	5.3	3.8	--	15.2
Jefferson	3.3	13.0	10.7	6.1	5.8	38.9
Keokuk	--	7.6	8.0	7.7	--	23.3
Lee	--	17.6	17.1	47.9	1.5	84.1
Louisa	--	15.1	--	1.5	--	16.6
Lucas	7.0	28.7	31.7	1.8	--	69.1
Madison	7.1	27.9	12.2	--	3.1	50.3
Mahaska	11.5	8.6	12.2	12.1	--	44.4
Marion	10.0	17.8	11.5	--	1.5	40.8
Marshall	9.0	13.5	2.5	--	--	25.1
Monroe	9.2	27.0	28.6	3.8	0.6	69.3
Muscatine	6.1	23.8	7.9	--	--	37.8
Polk	6.2	12.8	22.3	0.2	--	41.5
Poweshiek	1.1	14.5	--	1.3	1.7	18.6
Story	1.8	6.0	11.6	6.0	--	25.3
Van Buren	8.0	24.6	31.1	13.1	--	76.9
Wapello	6.5	16.8	20.6	21.4	--	65.4
Warren	0.2	26.0	1.5	13.1	1.5	42.3
Washington	5.8	5.3	9.1	8.4	--	28.6
Wayne	4.5	13.8	--	13.9	--	32.2
Webster	--	11.1	6.7	1.5	--	19.3
<b>Total</b>	156.5	502.8	447.7	272.1	20.7	1,399.7

(Table 58 continued on next page)

(Table 58 continued)

Inventory unit and county	Stocking class of growing-stock trees					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
<b>Southwestern</b>						
Adair	3.4	7.0	3.3	--	--	13.7
Adams	--	--	3.5	--	--	3.5
Audubon	--	--	4.6	--	--	4.6
Cass	1.5	5.9	--	5.0	--	12.4
Crawford	4.8	7.1	--	4.6	--	16.4
Fremont	6.2	19.8	2.1	--	--	28.1
Greene	1.1	9.0	8.9	3.5	--	22.5
Harrison	23.7	5.3	10.6	3.6	--	43.2
Mills	12.9	10.5	12.2	--	1.3	36.9
Monona	--	20.5	4.6	6.1	--	31.3
Montgomery	9.4	4.6	5.2	--	--	19.2
Page	1.9	5.0	10.7	9.6	--	27.3
Pottawattamie	4.0	18.7	12.9	--	--	35.6
Ringgold	6.1	15.4	3.5	--	--	25.0
Shelby	2.6	--	--	--	--	2.6
Taylor	7.1	11.8	--	--	3.0	21.9
Union	4.2	4.3	9.3	5.7	--	23.5
Woodbury	8.8	6.4	2.3	--	--	17.6
<b>Total</b>	<b>97.7</b>	<b>151.3</b>	<b>93.8</b>	<b>38.3</b>	<b>4.3</b>	<b>385.3</b>

(Table 58 continued on next page)

(Table 58 continued)

Inventory unit and county	Stocking class of growing-stock trees					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
<b>Northwestern</b>						
Buena Vista	6.3	--	--	2.1	--	8.5
Cerro Gordo	2.5	3.5	1.5	--	--	7.5
Cherokee	5.9	3.6	--	--	--	9.6
Clay	--	--	8.6	--	--	8.6
Dickinson	--	--	1.3	--	--	1.3
Emmet	--	--	3.0	--	--	3.0
Franklin	3.8	--	5.3	--	--	9.2
Hancock	0.3	--	--	--	--	0.3
Humboldt	--	--	6.6	--	--	6.6
Ida	3.3	--	--	--	--	3.3
Kossuth	--	--	6.4	1.4	--	7.8
Lyon	--	2.7	--	--	--	2.7
Palo Alto	--	8.6	--	--	--	8.6
Plymouth	6.6	23.0	--	--	--	29.7
Pocahontas	2.7	--	--	--	--	2.7
Sac	--	--	--	--	3.7	3.7
Worth	2.1	--	--	--	--	2.1
Wright	5.7	--	--	--	--	5.7
<b>Total</b>	39.4	41.4	32.8	3.5	3.7	120.7
<b>All counties</b>	345.6	1,086.1	878.7	499.0	41.0	2,850.4

All table cells without observations in the inventory sample are indicated by --.  
Table value of 0.0 indicates the acres round to less than 100 acres.

Table IA-59.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (International 1/4-inch rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	0.2	60.8	143.8	204.8	--	--	199.9	550.5	750.4
Benton	--	--	7.9	42.4	50.4	--	--	25.7	183.4	209.1
Black Hawk	--	--	14.2	10.1	24.3	--	--	59.6	39.1	98.7
Bremer	--	0.3	14.4	10.8	25.4	--	--	49.3	34.0	83.3
Buchanan	--	--	0.6	5.8	6.4	--	--	--	26.4	26.4
Butler	--	--	--	2.4	2.4	--	--	--	10.5	10.5
Cedar	--	--	15.6	7.6	23.2	--	--	58.9	35.5	94.4
Chickasaw	--	--	1.5	--	1.5	--	--	3.5	--	3.5
Clayton	0.1	0.1	49.2	111.5	160.8	--	--	168.3	428.1	596.5
Clinton	--	--	33.3	15.2	48.5	--	--	141.9	52.4	194.3
Delaware	--	0.1	8.0	19.8	27.9	--	--	23.3	86.1	109.4
Dubuque	--	2.2	28.6	42.6	73.3	--	1.6	104.0	181.4	287.1
Fayette	--	--	8.4	3.7	12.2	--	--	34.8	10.9	45.7
Floyd	--	--	3.3	4.1	7.4	--	--	4.5	15.2	19.7
Grundy	--	--	--	8.3	8.3	--	--	--	32.9	32.9
Howard	--	--	19.1	14.5	33.6	--	--	72.2	58.5	130.7
Jackson	--	5.1	37.0	88.5	130.6	--	19.4	150.6	394.9	564.9
Johnson	--	0.2	18.7	20.8	39.7	--	--	57.6	89.8	147.4
Jones	--	--	18.1	27.4	45.5	--	--	74.4	124.8	199.2
Linn	--	--	31.9	2.1	34.0	--	--	96.7	9.3	105.9
Mitchell	--	--	3.3	9.6	12.9	--	--	12.2	38.7	50.8
Scott	--	--	15.0	5.8	20.8	--	--	60.8	20.6	81.3
Tama	0.1	--	36.5	65.1	101.8	--	--	133.3	298.9	432.3
Winneshiek	--	0.1	30.6	38.2	68.9	--	--	114.3	131.8	246.0
<b>Total</b>	0.2	8.3	456.0	700.1	1,164.6	--	21.1	1,645.7	2,853.5	4,520.3

(Table 59 continued on next page)



(Table 59 continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Appanoose	--	--	6.3	72.7	78.9	--	--	17.9	237.1	255.0
Boone	--	--	18.7	20.6	39.3	--	--	66.1	91.5	157.7
Clarke	--	--	2.7	15.9	18.6	--	--	8.4	55.7	64.1
Dallas	--	1.0	13.4	9.2	23.5	--	1.3	58.5	29.4	89.3
Davis	--	0.1	5.0	40.6	45.6	--	--	8.7	148.1	156.8
Decatur	--	0.4	22.3	45.9	68.5	--	--	71.6	156.0	227.6
Des Moines	--	1.1	9.8	79.8	90.7	--	5.4	23.5	321.1	350.0
Guthrie	--	--	32.9	33.9	66.9	--	--	132.1	137.1	269.2
Hamilton	--	--	6.6	--	6.6	--	--	30.8	--	30.8
Hardin	--	--	3.1	13.8	17.0	--	--	13.1	59.4	72.5
Henry	--	1.5	18.1	34.2	53.8	--	5.2	66.8	125.7	197.6
Iowa	--	0.1	15.1	13.7	28.9	--	--	54.7	51.2	105.9
Jasper	--	--	14.0	7.3	21.3	--	--	49.6	29.8	79.4
Jefferson	--	0.1	35.0	34.6	69.6	--	--	141.8	150.5	292.3
Keokuk	--	--	33.3	7.2	40.5	--	--	147.1	29.6	176.8
Lee	0.5	1.1	24.2	110.0	135.9	1.7	3.9	75.5	436.9	518.0
Louisa	--	--	7.1	7.1	14.2	--	--	23.8	30.8	54.6
Lucas	--	--	29.0	31.7	60.6	--	--	108.2	106.5	214.7
Madison	--	0.1	12.1	27.2	39.4	--	--	40.8	104.4	145.2
Mahaska	--	--	29.1	11.2	40.3	--	--	99.9	40.3	140.1
Marion	--	--	19.0	14.5	33.5	--	--	79.0	51.4	130.4
Marshall	--	--	3.1	3.4	6.4	--	--	5.1	11.8	16.8
Monroe	--	--	30.0	40.9	70.9	--	--	102.8	141.3	244.2
Muscatine	--	--	14.5	13.3	27.8	--	--	62.0	51.9	113.8
Polk	--	--	16.8	10.6	27.4	--	--	44.2	45.1	89.2
Poweshiek	--	--	7.2	11.1	18.3	--	--	33.2	42.2	75.4
Story	--	--	6.0	34.1	40.2	--	--	20.2	135.5	155.6
Van Buren	--	1.6	10.5	73.6	85.6	--	7.7	28.7	268.4	304.8
Wapello	--	--	13.7	49.1	62.8	--	--	50.6	181.5	232.1
Warren	--	--	19.9	31.9	51.9	--	--	69.5	122.9	192.4
Washington	--	--	16.4	24.7	41.1	--	--	46.1	92.2	138.3
Wayne	--	--	14.0	22.1	36.1	--	--	41.0	85.6	126.7
Webster	--	0.4	16.7	5.6	22.7	--	2.4	59.3	22.4	84.1
<b>Total</b>	0.5	7.4	525.7	951.4	1,485.0	1.7	26.0	1,880.4	3,593.4	5,501.4

(Table 59 continued on next page)

(Table 59 continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
	(In million cubic feet)					(In million board feet)				
<b>Southwestern</b>										
Adair	--	--	0.2	8.0	8.2	--	--	--	24.6	24.6
Adams	--	--	2.6	--	2.6	--	--	3.9	--	3.9
Audubon	--	--	0.6	5.3	5.9	--	--	2.1	18.2	20.3
Cass	--	--	6.6	6.4	12.9	--	--	27.4	29.5	56.9
Crawford	--	--	12.1	2.5	14.5	--	--	48.5	10.1	58.6
Fremont	--	0.3	1.0	5.0	6.2	--	--	--	19.6	19.6
Greene	--	0.7	2.1	16.3	19.0	--	--	7.3	53.0	60.3
Harrison Mills	--	--	13.4	16.3	29.7	--	--	55.1	62.1	117.2
Monona	0.3	0.1	18.7	5.7	24.8	--	--	76.8	19.0	95.8
Montgomery	--	1.2	2.5	19.5	23.2	--	4.2	9.3	71.0	84.4
Page	--	--	0.9	2.3	3.3	--	--	4.5	10.0	14.5
Pottawattamie	--	--	9.4	18.5	28.0	--	--	28.8	84.0	112.8
Ringgold	--	--	60.6	19.0	79.6	--	--	266.0	82.3	348.3
Taylor	--	--	5.2	4.8	9.9	--	--	13.0	14.1	27.0
Union	--	0.3	--	1.9	2.1	--	1.0	--	7.4	8.4
Woodbury	--	0.0	2.1	12.9	15.1	--	--	4.4	36.7	41.1
	--	--	5.3	--	5.3	--	--	25.8	--	25.8
<b>Total</b>	0.3	2.5	143.2	144.5	290.5	--	5.2	572.9	541.5	1,119.6
<b>Northwestern</b>										
Buena Vista	--	--	1.4	6.0	7.4	--	--	6.0	22.3	28.3
Cerro Gordo	--	--	2.1	2.7	4.8	--	--	9.4	12.1	21.6
Clay	--	--	0.8	9.2	10.0	--	--	--	26.6	26.6
Dickinson	--	--	--	1.1	1.1	--	--	--	3.1	3.1
Emmet	--	--	0.2	2.2	2.5	--	--	--	4.5	4.5
Franklin	--	--	0.3	4.1	4.3	--	--	--	14.1	14.1
Humboldt	--	--	7.8	0.3	8.1	--	--	35.8	--	35.8
Ida	--	--	--	2.0	2.0	--	--	--	8.7	8.7
Kossuth	--	--	13.6	3.1	16.7	--	--	43.6	9.7	53.3
Lyon	--	--	0.1	--	0.1	--	--	--	--	--
Palo Alto	--	--	--	6.4	6.4	--	--	--	26.8	26.8
Plymouth	--	--	4.9	3.0	7.9	--	--	23.6	--	23.6
Pocahontas	--	--	--	0.0	0.0	--	--	--	--	--
Sac	--	--	63.8	1.6	65.4	--	--	270.4	--	270.4
Worth	--	--	0.2	--	0.2	--	--	--	--	--
<b>Total</b>	--	--	95.3	41.8	137.1	--	--	388.8	128.0	516.8

(Table 59 continued on next page)

(Table 59 continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
	(In million cubic feet)					(In million board feet)				
<b>All counties</b>	1.0	18.2	1,220.2	1,837.8	3,077.2	1.7	52.2	4,487.8	7,116.3	11,658.0

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

Table 1A-59a.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Doyle rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other	Soft	Hard		Pine	Other	Soft	Hard	
		softwoods	hardwoods	hardwoods	softwoods		hardwoods	hardwoods		
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	0.2	60.8	143.8	204.8	--	--	123.8	369.0	492.8
Benton	--	--	7.9	42.4	50.4	--	--	14.7	129.7	144.3
Black Hawk	--	--	14.2	10.1	24.3	--	--	34.0	28.2	62.2
Bremer	--	0.3	14.4	10.8	25.4	--	--	30.1	18.4	48.5
Buchanan	--	--	0.6	5.8	6.4	--	--	--	18.8	18.8
Butler	--	--	--	2.4	2.4	--	--	--	8.2	8.2
Cedar	--	--	15.6	7.6	23.2	--	--	39.5	22.4	61.9
Chickasaw	--	--	1.5	--	1.5	--	--	1.5	--	1.5
Clayton	0.1	0.1	49.2	111.5	160.8	--	--	96.2	268.3	364.5
Clinton	--	--	33.3	15.2	48.5	--	--	83.3	46.5	129.9
Delaware	--	0.1	8.0	19.8	27.9	--	--	11.6	55.0	66.7
Dubuque	--	2.2	28.6	42.6	73.3	--	0.6	78.8	125.3	204.7
Fayette	--	--	8.4	3.7	12.2	--	--	20.9	6.4	27.3
Floyd	--	--	3.3	4.1	7.4	--	--	2.3	10.4	12.7
Grundy	--	--	--	8.3	8.3	--	--	--	31.1	31.1
Howard	--	--	19.1	14.5	33.6	--	--	45.3	38.7	84.0
Jackson	--	5.1	37.0	88.5	130.6	--	7.0	109.8	249.7	366.5
Johnson	--	0.2	18.7	20.8	39.7	--	--	49.2	57.7	106.9
Jones	--	--	18.1	27.4	45.5	--	--	48.2	79.9	128.1
Linn	--	--	31.9	2.1	34.0	--	--	56.1	5.0	61.1
Mitchell	--	--	3.3	9.6	12.9	--	--	6.1	35.3	41.3
Scott	--	--	15.0	5.8	20.8	--	--	39.8	11.7	51.5
Tama	0.1	--	36.5	65.1	101.8	--	--	83.8	199.3	283.1
Winneshiek	--	0.1	30.6	38.2	68.9	--	--	90.5	77.8	168.3
<b>Total</b>	0.2	8.3	456.0	700.1	1,164.6	--	7.6	1,065.5	1,892.8	2,965.9

(Table 59a continued on next page)

(Table 59a continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Appanoose	--	--	6.3	72.7	78.9	--	--	9.8	147.4	157.1
Boone	--	--	18.7	20.6	39.3	--	--	46.3	64.1	110.4
Clarke	--	--	2.7	15.9	18.6	--	--	4.5	29.4	33.9
Dallas	--	1.0	13.4	9.2	23.5	--	0.5	44.9	19.2	64.6
Davis	--	0.1	5.0	40.6	45.6	--	--	5.1	109.4	114.4
Decatur	--	0.4	22.3	45.9	68.5	--	--	41.7	98.3	140.1
Des Moines	--	1.1	9.8	79.8	90.7	--	2.2	11.0	209.1	222.2
Guthrie	--	--	32.9	33.9	66.9	--	--	95.9	83.4	179.3
Hamilton	--	--	6.6	--	6.6	--	--	35.0	--	35.0
Hardin	--	--	3.1	13.8	17.0	--	--	8.2	43.7	52.0
Henry	--	1.5	18.1	34.2	53.8	--	3.1	45.8	67.9	116.8
Iowa	--	0.1	15.1	13.7	28.9	--	--	31.1	33.7	64.8
Jasper	--	--	14.0	7.3	21.3	--	--	42.2	18.2	60.4
Jefferson	--	0.1	35.0	34.6	69.6	--	--	91.9	109.6	201.5
Keokuk	--	--	33.3	7.2	40.5	--	--	105.8	18.3	124.1
Lee	0.5	1.1	24.2	110.0	135.9	0.8	2.4	45.7	263.4	312.3
Louisa	--	--	7.1	7.1	14.2	--	--	15.1	21.7	36.8
Lucas	--	--	29.0	31.7	60.6	--	--	69.7	76.5	146.2
Madison	--	0.1	12.1	27.2	39.4	--	--	32.2	68.7	100.9
Mahaska	--	--	29.1	11.2	40.3	--	--	67.7	22.9	90.7
Marion	--	--	19.0	14.5	33.5	--	--	50.0	31.0	81.0
Marshall	--	--	3.1	3.4	6.4	--	--	2.6	5.2	7.8
Monroe	--	--	30.0	40.9	70.9	--	--	78.0	85.2	163.2
Muscatine	--	--	14.5	13.3	27.8	--	--	44.5	30.8	75.3
Polk	--	--	16.8	10.6	27.4	--	--	27.2	30.2	57.4
Poweshiek	--	--	7.2	11.1	18.3	--	--	26.9	27.1	54.0
Story	--	--	6.0	34.1	40.2	--	--	12.9	125.4	138.4
Van Buren	--	1.6	10.5	73.6	85.6	--	4.6	13.9	163.3	181.9
Wapello	--	--	13.7	49.1	62.8	--	--	36.9	110.9	147.8
Warren	--	--	19.9	31.9	51.9	--	--	40.6	109.5	150.1
Washington	--	--	16.4	24.7	41.1	--	--	30.0	52.6	82.6
Wayne	--	--	14.0	22.1	36.1	--	--	28.5	51.5	80.0
Webster	--	0.4	16.7	5.6	22.7	--	0.8	44.6	14.4	59.8
<b>Total</b>	0.5	7.4	525.7	951.4	1,485.0	0.8	13.6	1,286.0	2,342.2	3,642.5

(Table 59a continued on next page)

(Table 59a continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southwestern</b>										
Adair	--	--	0.2	8.0	8.2	--	--	--	18.2	18.2
Adams	--	--	2.6	--	2.6	--	--	1.6	--	1.6
Audubon	--	--	0.6	5.3	5.9	--	--	0.9	15.9	16.8
Cass	--	--	6.6	6.4	12.9	--	--	17.8	22.2	40.0
Crawford	--	--	12.1	2.5	14.5	--	--	27.4	6.6	34.0
Fremont	--	0.3	1.0	5.0	6.2	--	--	--	11.8	11.8
Greene	--	0.7	2.1	16.3	19.0	--	--	4.3	29.1	33.5
Harrison	--	--	13.4	16.3	29.7	--	--	37.8	41.6	79.5
Mills	0.3	0.1	18.7	5.7	24.8	--	--	55.1	10.3	65.4
Monona	--	1.2	2.5	19.5	23.2	--	2.0	5.1	40.0	47.1
Montgomery	--	--	0.9	2.3	3.3	--	--	2.7	8.3	11.0
Page	--	--	9.4	18.5	28.0	--	--	21.9	53.6	75.5
Pottawattamie	--	--	60.6	19.0	79.6	--	--	264.2	60.0	324.2
Ringgold	--	--	5.2	4.8	9.9	--	--	5.9	6.6	12.5
Taylor	--	0.3	--	1.9	2.1	--	0.3	--	5.3	5.7
Union	--	0.0	2.1	12.9	15.1	--	--	2.6	18.9	21.5
Woodbury	--	--	5.3	--	5.3	--	--	16.7	--	16.7
<b>Total</b>	0.3	2.5	143.2	144.5	290.5	--	2.4	464.0	348.7	815.0
<b>Northwestern</b>										
Buena Vista	--	--	1.4	6.0	7.4	--	--	3.5	19.5	23.0
Cerro Gordo	--	--	2.1	2.7	4.8	--	--	4.4	7.7	12.1
Clay	--	--	0.8	9.2	10.0	--	--	--	17.1	17.1
Dickinson	--	--	--	1.1	1.1	--	--	--	1.6	1.6
Emmet	--	--	0.2	2.2	2.5	--	--	--	1.9	1.9
Franklin	--	--	0.3	4.1	4.3	--	--	--	7.0	7.0
Humboldt	--	--	7.8	0.3	8.1	--	--	23.4	--	23.4
Ida	--	--	--	2.0	2.0	--	--	--	6.2	6.2
Kossuth	--	--	13.6	3.1	16.7	--	--	32.9	5.7	38.7
Lyon	--	--	0.1	--	0.1	--	--	--	--	--
Palo Alto	--	--	--	6.4	6.4	--	--	--	17.4	17.4
Plymouth	--	--	4.9	3.0	7.9	--	--	13.9	--	13.9
Pocahontas	--	--	--	0.0	0.0	--	--	--	--	--
Sac	--	--	63.8	1.6	65.4	--	--	294.2	--	294.2
Worth	--	--	0.2	--	0.2	--	--	--	--	--
<b>Total</b>	--	--	95.3	41.8	137.1	--	--	372.4	84.1	456.5

(Table 59a continued on next page)

(Table 59a continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other	Soft	Hard	All species	Pine	Other	Soft	Hard	All species
		softwoods	hardwoods	hardwoods			softwoods	hardwoods	hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>All counties</b>	1.0	18.2	1,220.2	1,837.8	3,077.2	0.8	23.5	3,187.8	4,667.8	7,880.0

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

Table IA-59b.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Scribner rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group					Major species group				
	Pine	Other	Soft	Hard	All species	Pine	Other	Soft	Hard	All species
		softwoods	hardwoods	hardwoods			softwoods	hardwoods	hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	0.2	60.8	143.8	204.8	--	--	176.5	493.2	669.8
Benton	--	--	7.9	42.4	50.4	--	--	22.5	166.0	188.6
Black Hawk	--	--	14.2	10.1	24.3	--	--	52.1	35.3	87.3
Bremer	--	0.3	14.4	10.8	25.4	--	--	43.5	29.5	73.1
Buchanan	--	--	0.6	5.8	6.4	--	--	--	24.0	24.0
Butler	--	--	--	2.4	2.4	--	--	--	9.7	9.7
Cedar	--	--	15.6	7.6	23.2	--	--	52.8	31.7	84.5
Chickasaw	--	--	1.5	--	1.5	--	--	2.9	--	2.9
Clayton	0.1	0.1	49.2	111.5	160.8	--	--	147.5	380.5	528.0
Clinton	--	--	33.3	15.2	48.5	--	--	124.9	48.0	173.0
Delaware	--	0.1	8.0	19.8	27.9	--	--	19.9	76.9	96.8
Dubuque	--	2.2	28.6	42.6	73.3	--	1.3	94.1	163.4	258.7
Fayette	--	--	8.4	3.7	12.2	--	--	30.8	9.6	40.3
Floyd	--	--	3.3	4.1	7.4	--	--	3.8	13.8	17.6
Grundy	--	--	--	8.3	8.3	--	--	--	30.7	30.7
Howard	--	--	19.1	14.5	33.6	--	--	63.9	52.5	116.4
Jackson	--	5.1	37.0	88.5	130.6	--	15.3	137.0	351.5	503.8
Johnson	--	0.2	18.7	20.8	39.7	--	--	53.0	80.0	132.9
Jones	--	--	18.1	27.4	45.5	--	--	66.5	111.2	177.6
Linn	--	--	31.9	2.1	34.0	--	--	84.7	8.0	92.7
Mitchell	--	--	3.3	9.6	12.9	--	--	10.4	35.9	46.3
Scott	--	--	15.0	5.8	20.8	--	--	54.3	18.0	72.3
Tama	0.1	--	36.5	65.1	101.8	--	--	118.8	268.8	387.6
Winneshiek	--	0.1	30.6	38.2	68.9	--	--	103.7	116.1	219.7
<b>Total</b>	0.2	8.3	456.0	700.1	1,164.6	--	16.6	1,463.7	2,554.1	4,034.4

(Table 59b continued on next page)



(Table 59b continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Appanoose	--	--	6.3	72.7	78.9	--	--	15.5	208.6	224.1
Boone	--	--	18.7	20.6	39.3	--	--	59.9	83.1	143.0
Clarke	--	--	2.7	15.9	18.6	--	--	7.3	48.2	55.5
Dallas	--	1.0	13.4	9.2	23.5	--	1.1	53.4	26.3	80.7
Davis	--	0.1	5.0	40.6	45.6	--	--	7.6	133.8	141.4
Decatur	--	0.4	22.3	45.9	68.5	--	--	62.6	138.5	201.1
Des Moines	--	1.1	9.8	79.8	90.7	--	4.3	19.9	286.8	311.0
Guthrie	--	--	32.9	33.9	66.9	--	--	119.9	121.2	241.1
Hamilton	--	--	6.6	--	6.6	--	--	29.4	--	29.4
Hardin	--	--	3.1	13.8	17.0	--	--	11.7	54.4	66.1
Henry	--	1.5	18.1	34.2	53.8	--	4.4	60.2	109.0	173.6
Iowa	--	0.1	15.1	13.7	28.9	--	--	47.9	45.8	93.7
Jasper	--	--	14.0	7.3	21.3	--	--	45.3	26.3	71.6
Jefferson	--	0.1	35.0	34.6	69.6	--	--	126.8	136.2	263.0
Keokuk	--	--	33.3	7.2	40.5	--	--	133.6	26.3	159.9
Lee	0.5	1.1	24.2	110.0	135.9	1.4	3.4	66.7	385.8	457.2
Louisa	--	--	7.1	7.1	14.2	--	--	21.2	27.9	49.2
Lucas	--	--	29.0	31.7	60.6	--	--	96.5	95.0	191.5
Madison	--	0.1	12.1	27.2	39.4	--	--	37.3	92.5	129.8
Mahaska	--	--	29.1	11.2	40.3	--	--	89.5	35.1	124.6
Marion	--	--	19.0	14.5	33.5	--	--	70.3	45.4	115.7
Marshall	--	--	3.1	3.4	6.4	--	--	4.4	9.9	14.2
Monroe	--	--	30.0	40.9	70.9	--	--	92.8	124.5	217.2
Muscatine	--	--	14.5	13.3	27.8	--	--	55.8	45.7	101.5
Polk	--	--	16.8	10.6	27.4	--	--	39.1	40.5	79.6
Poweshiek	--	--	7.2	11.1	18.3	--	--	30.8	37.7	68.4
Story	--	--	6.0	34.1	40.2	--	--	18.0	126.5	144.6
Van Buren	--	1.6	10.5	73.6	85.6	--	6.6	24.5	237.5	268.5
Wapello	--	--	13.7	49.1	62.8	--	--	46.1	160.6	206.7
Warren	--	--	19.9	31.9	51.9	--	--	61.0	113.8	174.8
Washington	--	--	16.4	24.7	41.1	--	--	41.2	80.8	122.0
Wayne	--	--	14.0	22.1	36.1	--	--	37.1	75.5	112.6
Webster	--	0.4	16.7	5.6	22.7	--	1.9	54.3	19.9	76.1
<b>Total</b>	0.5	7.4	525.7	951.4	1,485.0	1.4	21.7	1,687.5	3,199.0	4,909.5

(Table 59b continued on next page)

(Table 59b continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southwestern</b>										
Adair	--	--	0.2	8.0	8.2	--	--	--	22.5	22.5
Adams	--	--	2.6	--	2.6	--	--	3.2	--	3.2
Audubon	--	--	0.6	5.3	5.9	--	--	1.7	16.9	18.7
Cass	--	--	6.6	6.4	12.9	--	--	24.6	27.1	51.7
Crawford	--	--	12.1	2.5	14.5	--	--	42.4	9.0	51.5
Fremont	--	0.3	1.0	5.0	6.2	--	--	--	17.4	17.4
Greene	--	0.7	2.1	16.3	19.0	--	--	6.4	46.1	52.6
Harrison	--	--	13.4	16.3	29.7	--	--	49.7	55.7	105.4
Mills	0.3	0.1	18.7	5.7	24.8	--	--	69.7	16.5	86.3
Monona	--	1.2	2.5	19.5	23.2	--	3.5	8.1	61.9	73.5
Montgomery	--	--	0.9	2.3	3.3	--	--	4.0	9.3	13.3
Page	--	--	9.4	18.5	28.0	--	--	26.5	74.9	101.3
Pottawattamie	--	--	60.6	19.0	79.6	--	--	250.0	74.3	324.3
Ringgold	--	--	5.2	4.8	9.9	--	--	10.9	11.9	22.9
Taylor	--	0.3	--	1.9	2.1	--	0.8	--	6.8	7.6
Union	--	0.0	2.1	12.9	15.1	--	--	3.9	31.6	35.5
Woodbury	--	--	5.3	--	5.3	--	--	23.0	--	23.0
<b>Total</b>	0.3	2.5	143.2	144.5	290.5	--	4.3	524.2	482.1	1,010.5
<b>Northwestern</b>										
Buena Vista	--	--	1.4	6.0	7.4	--	--	5.3	21.0	26.3
Cerro Gordo	--	--	2.1	2.7	4.8	--	--	8.0	10.8	18.8
Clay	--	--	0.8	9.2	10.0	--	--	--	23.7	23.7
Dickinson	--	--	--	1.1	1.1	--	--	--	2.7	2.7
Emmet	--	--	0.2	2.2	2.5	--	--	--	3.7	3.7
Franklin	--	--	0.3	4.1	4.3	--	--	--	12.1	12.1
Humboldt	--	--	7.8	0.3	8.1	--	--	32.1	--	32.1
Ida	--	--	--	2.0	2.0	--	--	--	7.9	7.9
Kossuth	--	--	13.6	3.1	16.7	--	--	39.6	8.6	48.1
Lyon	--	--	0.1	--	0.1	--	--	--	--	--
Palo Alto	--	--	--	6.4	6.4	--	--	--	24.0	24.0
Plymouth	--	--	4.9	3.0	7.9	--	--	20.8	--	20.8
Pocahontas	--	--	--	0.0	0.0	--	--	--	--	--
Sac	--	--	63.8	1.6	65.4	--	--	257.3	--	257.3
Worth	--	--	0.2	--	0.2	--	--	--	--	--
<b>Total</b>	--	--	95.3	41.8	137.1	--	--	363.2	114.4	477.6

(Table 59b continued on next page)

(Table 59b continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
<b>All counties</b>	1.0	18.2	1,220.2	1,837.8	3,077.2	1.4	42.5	4,038.5	6,349.6	10,432.0

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

Table IA-60.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (International 1/4-inch rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	0.0	0.3	3.0	3.3	--	--	5.3	12.9	18.3
Benton	--	--	-0.8	0.5	-0.4	--	--	-4.0	1.9	-2.1
Black Hawk	--	--	0.4	0.0	0.4	--	--	3.8	0.3	4.1
Bremer	--	0.0	0.4	0.4	0.8	--	--	2.9	2.3	5.2
Buchanan	--	--	0.1	-0.2	-0.2	--	--	--	-1.2	-1.2
Butler	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Cedar	--	--	0.4	0.2	0.6	--	--	1.5	1.5	3.0
Chickasaw	--	--	0.2	--	0.2	--	--	0.7	--	0.7
Clayton	0.0	0.0	1.2	3.8	5.0	--	--	5.0	16.1	21.1
Clinton	--	--	0.6	0.4	1.0	--	--	3.2	1.3	4.5
Delaware	--	--	0.3	0.9	1.2	--	--	1.9	4.0	5.9
Dubuque	--	0.1	0.7	1.6	2.4	--	0.4	2.8	7.8	10.9
Fayette	--	--	0.3	0.2	0.6	--	--	1.2	0.4	1.6
Floyd	--	--	0.1	0.2	0.3	--	--	0.2	0.4	0.6
Grundy	--	--	--	-0.5	-0.5	--	--	--	-2.1	-2.1
Howard	--	--	0.3	0.2	0.5	--	--	0.8	0.3	1.1
Jackson	--	0.0	-0.1	2.3	2.1	--	0.4	1.9	13.3	15.5
Johnson	--	0.0	0.7	0.0	0.8	--	--	1.8	0.7	2.5
Jones	--	--	0.1	0.8	0.8	--	--	0.6	6.0	6.5
Linn	--	--	0.4	0.1	0.5	--	--	2.1	0.8	2.9
Mitchell	--	--	0.0	0.1	0.2	--	--	1.4	0.4	1.8
Scott	--	--	0.0	0.3	0.3	--	--	1.8	0.8	2.5
Tama	0.0	--	1.5	1.7	3.2	--	--	5.1	7.9	13.0
Winneshiek	--	0.0	1.2	1.7	2.9	--	--	7.0	4.4	11.4
<b>Total</b>	0.0	0.2	8.5	17.5	26.2	--	0.8	47.1	80.1	128.0

(Table 60 continued on next page)

(Table 60 continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Appanoose	--	--	0.3	1.7	2.0	--	--	1.7	9.2	11.0
Boone	--	--	0.6	0.5	1.1	--	--	1.6	1.9	3.5
Clarke	--	--	-0.1	0.0	-0.1	--	--	-0.1	-0.1	-0.3
Dallas	--	0.0	0.5	0.3	0.8	--	0.0	2.7	1.2	3.9
Davis	--	0.0	0.2	1.0	1.2	--	--	0.7	4.8	5.5
Decatur	--	0.0	1.5	2.0	3.5	--	--	6.0	7.9	13.9
Des Moines	--	0.0	0.3	2.4	2.7	--	0.3	0.9	12.0	13.2
Guthrie	--	--	-0.4	0.7	0.3	--	--	-2.2	4.1	1.9
Hamilton	--	--	-0.2	--	-0.2	--	--	-0.3	--	-0.3
Hardin	--	--	0.1	0.2	0.3	--	--	0.4	0.8	1.3
Henry	--	0.0	-0.1	1.1	1.1	--	0.3	-1.1	5.8	5.0
Iowa	--	0.0	-0.8	0.2	-0.6	--	--	-2.6	0.1	-2.5
Jasper	--	--	0.2	0.3	0.5	--	--	0.3	1.6	1.9
Jefferson	--	0.0	1.3	0.0	1.3	--	--	6.5	1.0	7.5
Keokuk	--	--	0.9	0.5	1.4	--	--	4.8	2.7	7.5
Lee	0.0	0.0	0.9	3.3	4.2	0.0	0.0	4.0	13.5	17.6
Louisa	--	--	-0.1	0.4	0.3	--	--	-0.9	2.0	1.1
Lucas	--	--	0.7	1.0	1.7	--	--	3.1	3.1	6.3
Madison	--	0.0	0.6	0.6	1.2	--	--	1.9	2.6	4.5
Mahaska	--	--	1.1	0.4	1.5	--	--	4.3	1.8	6.1
Marion	--	--	0.0	0.4	0.4	--	--	1.1	1.5	2.7
Marshall	--	--	0.5	0.2	0.8	--	--	1.0	1.5	2.4
Monroe	--	--	0.7	1.7	2.5	--	--	2.9	8.4	11.3
Muscatine	--	--	0.5	0.8	1.3	--	--	2.8	3.0	5.9
Polk	--	--	1.5	0.1	1.6	--	--	2.7	0.4	3.0
Poweshiek	--	--	0.1	0.5	0.6	--	--	1.0	2.2	3.2
Story	--	--	-0.3	0.6	0.3	--	--	-1.5	1.7	0.2
Van Buren	--	0.0	0.5	2.1	2.6	--	0.1	1.5	7.8	9.4
Wapello	--	--	-3.0	1.7	-1.3	--	--	-14.0	8.6	-5.4
Warren	--	--	0.6	0.8	1.4	--	--	4.0	2.5	6.6
Washington	--	--	0.5	-0.3	0.2	--	--	1.8	-1.7	0.1
Wayne	--	--	0.5	0.6	1.1	--	--	1.0	4.0	5.0
Webster	--	0.0	1.1	0.1	1.2	--	0.2	3.5	0.7	4.4
<b>Total</b>	0.0	0.1	10.6	26.1	36.8	0.0	1.0	39.6	116.6	157.2

(Table 60 continued on next page)

(Table 60 continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southwestern</b>										
Adair	--	--	0.0	0.9	0.8	--	--	--	2.4	2.4
Adams	--	--	0.1	--	0.1	--	--	0.4	--	0.4
Audubon	--	--	0.0	0.2	0.2	--	--	0.1	0.4	0.5
Cass	--	--	0.3	0.2	0.5	--	--	1.1	0.7	1.7
Crawford	--	--	0.6	0.1	0.6	--	--	2.7	0.1	2.8
Fremont	0.0	0.0	0.0	-0.3	-0.4	--	--	--	-1.7	-1.7
Greene	--	0.0	0.0	0.6	0.6	--	--	0.4	2.5	2.9
Harrison	--	--	-0.2	0.4	0.2	--	--	0.1	2.2	2.3
Mills	-0.2	0.0	1.0	0.2	1.0	-0.9	--	5.0	1.2	5.3
Monona	--	0.1	0.1	0.4	0.6	--	0.4	0.3	2.1	2.8
Montgomery	--	--	0.1	0.1	0.1	--	--	0.3	0.3	0.5
Page	--	--	-0.8	0.5	-0.3	--	--	-4.0	2.6	-1.4
Pottawattamie	--	--	-1.0	0.6	-0.3	--	--	-4.6	3.2	-1.4
Ringgold	--	--	0.1	0.2	0.3	--	--	1.1	1.2	2.3
Taylor	--	0.0	--	0.1	0.1	--	0.2	--	0.3	0.4
Union	--	0.0	0.0	0.5	0.5	--	--	0.1	2.2	2.3
Woodbury	--	--	0.2	--	0.2	--	--	1.0	--	1.0
<b>Total</b>	-0.2	0.1	0.4	4.6	5.0	-0.9	0.6	4.0	19.7	23.4
<b>Northwestern</b>										
Buena Vista	--	--	0.0	0.3	0.3	--	--	--	1.3	1.3
Cerro Gordo	--	--	0.1	0.1	0.2	--	--	1.0	0.7	1.7
Clay	--	--	0.0	0.3	0.3	--	--	--	0.6	0.6
Dickinson	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Emmet	--	--	0.0	0.1	0.2	--	--	--	0.8	0.8
Franklin	--	--	-0.6	0.2	-0.4	--	--	-2.0	1.1	-0.9
Humboldt	--	--	0.4	0.0	0.4	--	--	2.6	--	2.6
Ida	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Kossuth	--	--	0.6	0.1	0.7	--	--	2.9	0.5	3.4
Lyon	--	--	0.0	--	0.0	--	--	--	--	--
Palo Alto	--	--	-0.7	0.3	-0.4	--	--	-2.7	0.9	-1.8
Plymouth	--	--	0.2	0.3	0.5	--	--	0.9	--	0.9
Pocahontas	--	--	--	0.0	0.0	--	--	--	--	--
Sac	--	--	0.9	0.1	1.0	--	--	2.7	--	2.7
Worth	--	--	0.0	--	0.0	--	--	--	--	--
<b>Total</b>	--	--	1.0	1.8	2.8	--	--	5.4	6.0	11.3

(Table 60 continued on next page)

(Table 60 continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
	(In million cubic feet)					(In million board feet)				
<b>All counties</b>	-0.2	0.4	20.5	50.1	70.8	-0.9	2.4	96.1	222.4	319.9

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

**Table IA-60a.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Doyle rule), on timberland by inventory unit, county, and major species group, Iowa, 2013**

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	0.0	0.3	3.0	3.3	--	--	2.7	7.8	10.5
Benton	--	--	-0.8	0.5	-0.4	--	--	-4.8	1.4	-3.4
Black Hawk	--	--	0.4	0.0	0.4	--	--	1.8	0.0	1.9
Bremer	--	0.0	0.4	0.4	0.8	--	--	1.4	1.1	2.5
Buchanan	--	--	0.1	-0.2	-0.2	--	--	--	-0.7	-0.7
Butler	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Cedar	--	--	0.4	0.2	0.6	--	--	1.0	0.8	1.9
Chickasaw	--	--	0.2	--	0.2	--	--	0.3	--	0.3
Clayton	0.0	0.0	1.2	3.8	5.0	--	--	2.0	9.2	11.2
Clinton	--	--	0.6	0.4	1.0	--	--	1.8	0.7	2.5
Delaware	--	--	0.3	0.9	1.2	--	--	0.9	2.5	3.4
Dubuque	--	0.1	0.7	1.6	2.4	--	0.1	1.4	5.6	7.1
Fayette	--	--	0.3	0.2	0.6	--	--	0.7	0.2	0.9
Floyd	--	--	0.1	0.2	0.3	--	--	0.1	0.3	0.4
Grundy	--	--	--	-0.5	-0.5	--	--	--	-2.0	-2.0
Howard	--	--	0.3	0.2	0.5	--	--	0.7	0.2	0.9
Jackson	--	0.0	-0.1	2.3	2.1	--	0.1	1.9	7.6	9.6
Johnson	--	0.0	0.7	0.0	0.8	--	--	1.6	0.4	2.1
Jones	--	--	0.1	0.8	0.8	--	--	0.4	2.9	3.3
Linn	--	--	0.4	0.1	0.5	--	--	0.7	0.4	1.1
Mitchell	--	--	0.0	0.1	0.2	--	--	0.6	0.3	0.9
Scott	--	--	0.0	0.3	0.3	--	--	1.1	0.4	1.5
Tama	0.0	--	1.5	1.7	3.2	--	--	3.1	5.0	8.1
Winneshiek	--	0.0	1.2	1.7	2.9	--	--	3.6	2.5	6.1
<b>Total</b>	0.0	0.2	8.5	17.5	26.2	--	0.3	23.1	46.9	70.3

(Table 60a continued on next page)



(Table 60a continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Appanoose	--	--	0.3	1.7	2.0	--	--	0.8	4.7	5.5
Boone	--	--	0.6	0.5	1.1	--	--	1.0	1.3	2.3
Clarke	--	--	-0.1	0.0	-0.1	--	--	0.0	-0.5	-0.5
Dallas	--	0.0	0.5	0.3	0.8	--	0.0	2.0	0.7	2.7
Davis	--	0.0	0.2	1.0	1.2	--	--	0.3	2.7	3.0
Decatur	--	0.0	1.5	2.0	3.5	--	--	2.9	3.7	6.6
Des Moines	--	0.0	0.3	2.4	2.7	--	0.1	0.4	6.8	7.4
Guthrie	--	--	-0.4	0.7	0.3	--	--	-5.6	2.0	-3.7
Hamilton	--	--	-0.2	--	-0.2	--	--	0.1	--	0.1
Hardin	--	--	0.1	0.2	0.3	--	--	0.3	0.6	0.9
Henry	--	0.0	-0.1	1.1	1.1	--	0.1	-1.7	3.0	1.4
Iowa	--	0.0	-0.8	0.2	-0.6	--	--	-1.7	-0.1	-1.8
Jasper	--	--	0.2	0.3	0.5	--	--	0.5	0.8	1.3
Jefferson	--	0.0	1.3	0.0	1.3	--	--	4.0	-1.4	2.6
Keokuk	--	--	0.9	0.5	1.4	--	--	3.8	1.5	5.3
Lee	0.0	0.0	0.9	3.3	4.2	0.0	0.0	2.1	7.6	9.7
Louisa	--	--	-0.1	0.4	0.3	--	--	-0.3	1.2	0.9
Lucas	--	--	0.7	1.0	1.7	--	--	2.1	1.6	3.7
Madison	--	0.0	0.6	0.6	1.2	--	--	1.3	1.5	2.8
Mahaska	--	--	1.1	0.4	1.5	--	--	3.3	0.7	4.0
Marion	--	--	0.0	0.4	0.4	--	--	0.5	0.9	1.4
Marshall	--	--	0.5	0.2	0.8	--	--	0.5	0.6	1.1
Monroe	--	--	0.7	1.7	2.5	--	--	1.8	4.3	6.1
Muscatine	--	--	0.5	0.8	1.3	--	--	1.7	1.9	3.7
Polk	--	--	1.5	0.1	1.6	--	--	1.2	0.2	1.4
Poweshiek	--	--	0.1	0.5	0.6	--	--	0.7	1.1	1.8
Story	--	--	-0.3	0.6	0.3	--	--	-0.9	1.5	0.7
Van Buren	--	0.0	0.5	2.1	2.6	--	0.1	0.7	4.5	5.3
Wapello	--	--	-3.0	1.7	-1.3	--	--	-10.5	4.5	-6.0
Warren	--	--	0.6	0.8	1.4	--	--	2.2	1.8	4.0
Washington	--	--	0.5	-0.3	0.2	--	--	0.8	-2.6	-1.8
Wayne	--	--	0.5	0.6	1.1	--	--	0.7	2.0	2.7
Webster	--	0.0	1.1	0.1	1.2	--	0.1	2.4	0.4	2.9
<b>Total</b>	0.0	0.1	10.6	26.1	36.8	0.0	0.4	17.3	59.7	77.4

(Table 60a continued on next page)

(Table 60a continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southwestern</b>										
Adair	--	--	0.0	0.9	0.8	--	--	--	1.3	1.3
Adams	--	--	0.1	--	0.1	--	--	0.2	--	0.2
Audubon	--	--	0.0	0.2	0.2	--	--	0.0	0.3	0.3
Cass	--	--	0.3	0.2	0.5	--	--	0.5	0.5	1.0
Crawford	--	--	0.6	0.1	0.6	--	--	1.4	0.1	1.5
Fremont	0.0	0.0	0.0	-0.3	-0.4	--	--	--	-1.1	-1.1
Greene	--	0.0	0.0	0.6	0.6	--	--	0.2	1.3	1.5
Harrison	--	--	-0.2	0.4	0.2	--	--	0.3	1.2	1.5
Mills	-0.2	0.0	1.0	0.2	1.0	-0.6	--	3.3	0.6	3.3
Monona	--	0.1	0.1	0.4	0.6	--	0.2	0.1	1.1	1.4
Montgomery	--	--	0.1	0.1	0.1	--	--	0.2	0.2	0.4
Page	--	--	-0.8	0.5	-0.3	--	--	-4.5	1.6	-2.9
Pottawattamie	--	--	-1.0	0.6	-0.3	--	--	-5.9	2.0	-3.9
Ringgold	--	--	0.1	0.2	0.3	--	--	0.5	0.5	1.0
Taylor	--	0.0	--	0.1	0.1	--	0.1	--	0.2	0.2
Union	--	0.0	0.0	0.5	0.5	--	--	0.1	1.0	1.1
Woodbury	--	--	0.2	--	0.2	--	--	0.6	--	0.6
<b>Total</b>	-0.2	0.1	0.4	4.6	5.0	-0.6	0.2	-3.1	10.8	7.4
<b>Northwestern</b>										
Buena Vista	--	--	0.0	0.3	0.3	--	--	--	0.5	0.5
Cerro Gordo	--	--	0.1	0.1	0.2	--	--	0.5	0.3	0.8
Clay	--	--	0.0	0.3	0.3	--	--	--	0.4	0.4
Dickinson	--	--	--	0.0	0.0	--	--	--	0.0	0.0
Emmet	--	--	0.0	0.1	0.2	--	--	--	0.3	0.3
Franklin	--	--	-0.6	0.2	-0.4	--	--	-1.3	0.5	-0.9
Humboldt	--	--	0.4	0.0	0.4	--	--	1.5	--	1.5
Ida	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Kossuth	--	--	0.6	0.1	0.7	--	--	1.9	0.3	2.2
Lyon	--	--	0.0	--	0.0	--	--	--	--	--
Palo Alto	--	--	-0.7	0.3	-0.4	--	--	-1.7	0.6	-1.1
Plymouth	--	--	0.2	0.3	0.5	--	--	0.5	--	0.5
Pocahontas	--	--	--	0.0	0.0	--	--	--	--	--
Sac	--	--	0.9	0.1	1.0	--	--	2.8	--	2.8
Worth	--	--	0.0	--	0.0	--	--	--	--	--
<b>Total</b>	--	--	1.0	1.8	2.8	--	--	4.2	3.0	7.2

(Table 60a continued on next page)

(Table 60a continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
	(In million cubic feet)					(In million board feet)				
<b>All counties</b>	-0.2	0.4	20.5	50.1	70.8	-0.5	0.9	41.5	120.5	162.3

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

Table IA-60b.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Scribner rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	0.0	0.3	3.0	3.3	--	--	4.9	11.4	16.3
Benton	--	--	-0.8	0.5	-0.4	--	--	-3.9	1.8	-2.1
Black Hawk	--	--	0.4	0.0	0.4	--	--	3.2	0.2	3.5
Bremer	--	0.0	0.4	0.4	0.8	--	--	2.5	1.9	4.4
Buchanan	--	--	0.1	-0.2	-0.2	--	--	--	-1.1	-1.1
Butler	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Cedar	--	--	0.4	0.2	0.6	--	--	1.4	1.3	2.7
Chickasaw	--	--	0.2	--	0.2	--	--	0.6	--	0.6
Clayton	0.0	0.0	1.2	3.8	5.0	--	--	4.2	14.1	18.2
Clinton	--	--	0.6	0.4	1.0	--	--	2.8	1.1	3.9
Delaware	--	--	0.3	0.9	1.2	--	--	1.6	3.6	5.2
Dubuque	--	0.1	0.7	1.6	2.4	--	0.3	2.4	7.0	9.7
Fayette	--	--	0.3	0.2	0.6	--	--	1.0	0.3	1.4
Floyd	--	--	0.1	0.2	0.3	--	--	0.2	0.4	0.5
Grundy	--	--	--	-0.5	-0.5	--	--	--	-2.0	-2.0
Howard	--	--	0.3	0.2	0.5	--	--	0.8	0.2	1.0
Jackson	--	0.0	-0.1	2.3	2.1	--	0.3	1.8	11.3	13.4
Johnson	--	0.0	0.7	0.0	0.8	--	--	1.7	0.6	2.2
Jones	--	--	0.1	0.8	0.8	--	--	0.5	5.1	5.6
Linn	--	--	0.4	0.1	0.5	--	--	1.7	0.7	2.4
Mitchell	--	--	0.0	0.1	0.2	--	--	1.2	0.3	1.5
Scott	--	--	0.0	0.3	0.3	--	--	1.6	0.7	2.2
Tama	0.0	--	1.5	1.7	3.2	--	--	4.5	7.1	11.6
Winneshiek	--	0.0	1.2	1.7	2.9	--	--	5.7	3.9	9.5
<b>Total</b>	0.0	0.2	8.5	17.5	26.2	--	0.6	40.3	69.9	110.8

(Table 60b continued on next page)

(Table 60b continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Appanoose	--	--	0.3	1.7	2.0	--	--	1.5	7.9	9.4
Boone	--	--	0.6	0.5	1.1	--	--	1.4	1.7	3.2
Clarke	--	--	-0.1	0.0	-0.1	--	--	-0.1	-0.2	-0.3
Dallas	--	0.0	0.5	0.3	0.8	--	0.0	2.4	1.0	3.5
Davis	--	0.0	0.2	1.0	1.2	--	--	0.6	4.2	4.8
Decatur	--	0.0	1.5	2.0	3.5	--	--	5.1	6.0	11.1
Des Moines	--	0.0	0.3	2.4	2.7	--	0.2	0.8	10.4	11.5
Guthrie	--	--	-0.4	0.7	0.3	--	--	-2.5	3.5	1.0
Hamilton	--	--	-0.2	--	-0.2	--	--	-0.3	--	-0.3
Hardin	--	--	0.1	0.2	0.3	--	--	0.4	0.8	1.2
Henry	--	0.0	-0.1	1.1	1.1	--	0.3	-1.2	5.0	4.0
Iowa	--	0.0	-0.8	0.2	-0.6	--	--	-2.3	0.0	-2.3
Jasper	--	--	0.2	0.3	0.5	--	--	0.3	1.3	1.6
Jefferson	--	0.0	1.3	0.0	1.3	--	--	5.7	0.6	6.3
Keokuk	--	--	0.9	0.5	1.4	--	--	4.5	2.4	6.8
Lee	0.0	0.0	0.9	3.3	4.2	0.0	0.0	3.4	11.8	15.3
Louisa	--	--	-0.1	0.4	0.3	--	--	-0.8	1.8	1.0
Lucas	--	--	0.7	1.0	1.7	--	--	2.8	2.7	5.5
Madison	--	0.0	0.6	0.6	1.2	--	--	1.7	2.3	3.9
Mahaska	--	--	1.1	0.4	1.5	--	--	4.7	1.2	5.9
Marion	--	--	0.0	0.4	0.4	--	--	0.9	1.3	2.3
Marshall	--	--	0.5	0.2	0.8	--	--	0.8	1.2	2.1
Monroe	--	--	0.7	1.7	2.5	--	--	2.6	7.2	9.7
Muscatine	--	--	0.5	0.8	1.3	--	--	2.5	2.7	5.2
Polk	--	--	1.5	0.1	1.6	--	--	2.3	0.3	2.6
Poweshiek	--	--	0.1	0.5	0.6	--	--	0.9	1.9	2.8
Story	--	--	-0.3	0.6	0.3	--	--	-1.3	1.6	0.2
Van Buren	--	0.0	0.5	2.1	2.6	--	0.1	1.3	6.8	8.2
Wapello	--	--	-3.0	1.7	-1.3	--	--	-12.9	7.4	-5.5
Warren	--	--	0.6	0.8	1.4	--	--	3.5	2.3	5.8
Washington	--	--	0.5	-0.3	0.2	--	--	1.5	-1.8	-0.4
Wayne	--	--	0.5	0.6	1.1	--	--	0.9	3.4	4.3
Webster	--	0.0	1.1	0.1	1.2	--	0.2	3.2	0.6	4.0
<b>Total</b>	0.0	0.1	10.6	26.1	36.8	0.0	0.8	34.2	99.3	134.3

(Table 60b continued on next page)

(Table 60b continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southwestern</b>										
Adair	--	--	0.0	0.9	0.8	--	--	--	1.8	1.8
Adams	--	--	0.1	--	0.1	--	--	0.4	--	0.4
Audubon	--	--	0.0	0.2	0.2	--	--	0.1	0.3	0.4
Cass	--	--	0.3	0.2	0.5	--	--	0.9	0.6	1.5
Crawford	--	--	0.6	0.1	0.6	--	--	2.3	0.1	2.4
Fremont	0.0	0.0	0.0	-0.3	-0.4	--	--	--	-1.5	-1.5
Greene	--	0.0	0.0	0.6	0.6	--	--	0.4	2.1	2.5
Harrison	--	--	-0.2	0.4	0.2	--	--	0.2	1.9	2.0
Mills	-0.2	0.0	1.0	0.2	1.0	-0.8	--	4.4	1.1	4.7
Monona	--	0.1	0.1	0.4	0.6	--	0.3	0.2	1.8	2.4
Montgomery	--	--	0.1	0.1	0.1	--	--	0.2	0.3	0.5
Page	--	--	-0.8	0.5	-0.3	--	--	-3.8	2.3	-1.5
Pottawattamie	--	--	-1.0	0.6	-0.3	--	--	-4.4	2.8	-1.6
Ringgold	--	--	0.1	0.2	0.3	--	--	0.9	1.0	1.9
Taylor	--	0.0	--	0.1	0.1	--	0.2	--	0.2	0.4
Union	--	0.0	0.0	0.5	0.5	--	--	0.1	1.9	2.0
Woodbury	--	--	0.2	--	0.2	--	--	0.9	--	0.9
<b>Total</b>	-0.2	0.1	0.4	4.6	5.0	-0.8	0.5	2.8	16.8	19.3
<b>Northwestern</b>										
Buena Vista	--	--	0.0	0.3	0.3	--	--	--	0.6	0.6
Cerro Gordo	--	--	0.1	0.1	0.2	--	--	0.9	0.6	1.4
Clay	--	--	0.0	0.3	0.3	--	--	--	0.5	0.5
Dickinson	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Emmet	--	--	0.0	0.1	0.2	--	--	--	0.7	0.7
Franklin	--	--	-0.6	0.2	-0.4	--	--	-1.8	0.9	-0.9
Humboldt	--	--	0.4	0.0	0.4	--	--	2.3	--	2.3
Ida	--	--	--	0.0	0.0	--	--	--	0.1	0.1
Kossuth	--	--	0.6	0.1	0.7	--	--	2.6	0.4	3.0
Lyon	--	--	0.0	--	0.0	--	--	--	--	--
Palo Alto	--	--	-0.7	0.3	-0.4	--	--	-2.4	0.8	-1.6
Plymouth	--	--	0.2	0.3	0.5	--	--	0.8	--	0.8
Pocahontas	--	--	--	0.0	0.0	--	--	--	--	--
Sac	--	--	0.9	0.1	1.0	--	--	2.5	--	2.5
Worth	--	--	0.0	--	0.0	--	--	--	--	--
<b>Total</b>	--	--	1.0	1.8	2.8	--	--	4.8	4.6	9.4

(Table 60b continued on next page)

(Table 60b continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
	(In million cubic feet)					(In million board feet)				
<b>All counties</b>	-0.2	0.4	20.5	50.1	70.8	-0.8	1.9	82.2	190.6	273.8

All table cells without observations in the inventory sample are indicated by --.  
 Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.  
 Columns and rows may not add to their totals due to rounding.

Table IA-61.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (International 1/4-inch rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group					Major species group				
	Other	Soft	Hard	All	Other	Soft	Hard	All		
	Pine	softwoods	hardwoods		Pine	softwoods	hardwoods			
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	--	2.5	--	2.5	--	--	11.1	--	11.1
Benton	--	--	0.6	--	0.6	--	--	2.3	--	2.3
Black Hawk	--	--	0.1	0.9	1.0	--	--	--	4.6	4.6
Clayton	--	--	0.4	1.1	1.5	--	--	2.0	4.6	6.6
Clinton	--	--	0.1	--	0.1	--	--	--	--	--
Delaware	--	--	--	0.3	0.3	--	--	--	1.3	1.3
Fayette	--	--	0.3	--	0.3	--	--	1.5	--	1.5
Jackson	--	--	0.1	0.5	0.6	--	--	--	2.6	2.6
Linn	--	--	1.5	--	1.5	--	--	6.0	--	6.0
Mitchell	--	--	0.1	--	0.1	--	--	--	--	--
Tama	--	--	0.2	--	0.2	--	--	--	--	--
Winneshiek	--	--	0.3	1.7	2.1	--	--	0.4	8.3	8.7
<b>Total</b>	--	--	6.1	4.6	10.7	--	--	23.2	21.4	44.6

(Table 61 continued on next page)



(Table 61 continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other	Soft	Hard	All species	Pine	Other	Soft	Hard	All species
		softwoods	hardwoods	hardwoods			softwoods	hardwoods	hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Boone	--	--	0.0	0.1	0.1	--	--	--	--	--
Clarke	--	--	--	0.2	0.2	--	--	--	0.9	0.9
Decatur	--	--	0.6	0.4	1.0	--	--	1.9	0.9	2.8
Des Moines	--	--	0.0	0.0	0.0	--	--	--	--	--
Iowa	--	--	0.1	--	0.1	--	--	0.5	--	0.5
Jefferson	--	--	3.0	0.5	3.6	--	--	13.2	2.3	15.5
Keokuk	--	--	1.6	1.0	2.6	--	--	6.9	4.1	11.0
Lee	--	--	0.0	1.3	1.4	--	--	--	4.7	4.7
Louisa	--	--	3.0	0.5	3.5	--	--	11.0	2.4	13.5
Lucas	--	--	--	0.1	0.1	--	--	--	0.5	0.5
Mahaska	--	--	--	0.1	0.1	--	--	--	0.4	0.4
Marion	--	--	0.3	--	0.3	--	--	1.0	--	1.0
Monroe	--	--	--	0.5	0.5	--	--	--	2.2	2.2
Muscatine	--	--	--	1.0	1.0	--	--	--	4.2	4.2
Polk	--	--	--	0.0	0.0	--	--	--	--	--
Story	--	--	0.0	--	0.0	--	--	--	--	--
Wapello	--	--	--	0.1	0.1	--	--	--	--	--
Warren	--	--	0.1	--	0.1	--	--	--	--	--
Washington	--	--	0.2	0.5	0.7	--	--	0.8	2.5	3.3
Wayne	--	--	--	0.2	0.2	--	--	--	--	--
<b>Total</b>	--	--	8.9	6.6	15.5	--	--	35.4	25.2	60.6
<b>Southwestern</b>										
Adair	--	--	--	1.3	1.3	--	--	--	4.3	4.3
Greene	--	0.0	--	--	0.0	--	--	--	--	--
Harrison	--	--	--	0.4	0.4	--	--	--	1.7	1.7
Pottawattamie	--	--	6.3	--	6.3	--	--	29.8	--	29.8
<b>Total</b>	--	0.0	6.3	1.7	8.0	--	--	29.8	6.0	35.8
<b>Northwestern</b>										
Buena Vista	--	--	0.0	1.8	1.8	--	--	--	8.0	8.0
<b>Total</b>	--	--	0.0	1.8	1.8	--	--	--	8.0	8.0
<b>All counties</b>	--	0.0	21.3	14.6	36.0	--	--	88.4	60.6	149.0

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

Table IA-61a.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Doyle rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
(In million cubic feet)					(In million board feet)					
<b>Northeastern</b>										
Allamakee	--	--	2.5	--	2.5	--	--	12.6	--	12.6
Benton	--	--	0.6	--	0.6	--	--	1.9	--	1.9
Black Hawk	--	--	0.1	0.9	1.0	--	--	--	3.0	3.0
Clayton	--	--	0.4	1.1	1.5	--	--	1.0	3.6	4.6
Clinton	--	--	0.1	--	0.1	--	--	--	--	--
Delaware	--	--	--	0.3	0.3	--	--	--	0.7	0.7
Fayette	--	--	0.3	--	0.3	--	--	0.9	--	0.9
Jackson	--	--	0.1	0.5	0.6	--	--	--	1.7	1.7
Linn	--	--	1.5	--	1.5	--	--	4.4	--	4.4
Mitchell	--	--	0.1	--	0.1	--	--	--	--	--
Tama	--	--	0.2	--	0.2	--	--	--	--	--
Winneshiek	--	--	0.3	1.7	2.1	--	--	--	5.7	5.7
<b>Total</b>	--	--	6.1	4.6	10.7	--	--	20.7	14.7	35.4

(Table 61a continued on next page)

(Table 61a continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Other	Soft	Hard	Pine		Other	Soft	Hard		
	softwoods	hardwoods	hardwoods		softwoods	hardwoods	hardwoods			
	(In million cubic feet)					(In million board feet)				
<b>Southeastern</b>										
Boone	--	--	0.0	0.1	0.1	--	--	--	--	--
Clarke	--	--	--	0.2	0.2	--	--	--	0.4	0.4
Decatur	--	--	0.6	0.4	1.0	--	--	1.4	--	1.4
Des Moines	--	--	0.0	0.0	0.0	--	--	--	--	--
Iowa	--	--	0.1	--	0.1	--	--	0.2	--	0.2
Jefferson	--	--	3.0	0.5	3.6	--	--	9.7	1.8	11.5
Keokuk	--	--	1.6	1.0	2.6	--	--	5.2	3.4	8.6
Lee	--	--	0.0	1.3	1.4	--	--	--	2.7	2.7
Louisa	--	--	3.0	0.5	3.5	--	--	12.5	1.6	14.1
Lucas	--	--	--	0.1	0.1	--	--	--	0.2	0.2
Mahaska	--	--	--	0.1	0.1	--	--	--	--	--
Marion	--	--	0.3	--	0.3	--	--	0.4	--	0.4
Monroe	--	--	--	0.5	0.5	--	--	--	1.5	1.5
Muscatine	--	--	--	1.0	1.0	--	--	--	2.9	2.9
Polk	--	--	--	0.0	0.0	--	--	--	--	--
Story	--	--	0.0	--	0.0	--	--	--	--	--
Wapello	--	--	--	0.1	0.1	--	--	--	--	--
Warren	--	--	0.1	--	0.1	--	--	--	--	--
Washington	--	--	0.2	0.5	0.7	--	--	0.3	2.0	2.3
Wayne	--	--	--	0.2	0.2	--	--	--	--	--
<b>Total</b>	--	--	8.9	6.6	15.5	--	--	29.7	16.5	46.2
<b>Southwestern</b>										
Adair	--	--	--	1.3	1.3	--	--	--	2.9	2.9
Greene	--	0.0	--	--	0.0	--	--	--	--	--
Harrison	--	--	--	0.4	0.4	--	--	--	1.1	1.1
Pottawattamie	--	--	6.3	--	6.3	--	--	29.5	--	29.5
<b>Total</b>	--	0.0	6.3	1.7	8.0	--	--	29.5	4.0	33.4
<b>Northwestern</b>										
Buena Vista	--	--	0.0	1.8	1.8	--	--	--	5.8	5.8
<b>Total</b>	--	--	0.0	1.8	1.8	--	--	--	5.8	5.8
<b>All counties</b>	--	0.0	21.3	14.6	36.0	--	--	79.9	40.9	120.8

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

Table IA-61b.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber trees, in million board feet (Scribner rule), on timberland by inventory unit, county, and major species group, Iowa, 2013

Inventory unit and county	Growing stock					Saw timber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
<b>Northeastern</b>										
Allamakee	--	--	2.5	--	2.5	--	--	10.6	--	10.6
Benton	--	--	0.6	--	0.6	--	--	2.1	--	2.1
Black Hawk	--	--	0.1	0.9	1.0	--	--	--	4.1	4.1
Clayton	--	--	0.4	1.1	1.5	--	--	1.7	4.3	6.0
Clinton	--	--	0.1	--	0.1	--	--	--	--	--
Delaware	--	--	--	0.3	0.3	--	--	--	1.1	1.1
Fayette	--	--	0.3	--	0.3	--	--	1.3	--	1.3
Jackson	--	--	0.1	0.5	0.6	--	--	--	2.0	2.0
Linn	--	--	1.5	--	1.5	--	--	5.4	--	5.4
Mitchell	--	--	0.1	--	0.1	--	--	--	--	--
Tama	--	--	0.2	--	0.2	--	--	--	--	--
Winneshiek	--	--	0.3	1.7	2.1	--	--	--	7.5	7.5
<b>Total</b>	--	--	6.1	4.6	10.7	--	--	21.1	19.0	40.1

(Table 61b continued on next page)

(Table 61b continued)

Inventory unit and county	Growing stock					Saw timber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
<b>Southeastern</b>										
Boone	--	--	0.0	0.1	0.1	--	--	--	--	--
Clarke	--	--	--	0.2	0.2	--	--	--	0.7	0.7
Decatur	--	--	0.6	0.4	1.0	--	--	1.8	--	1.8
Des Moines	--	--	0.0	0.0	0.0	--	--	--	--	--
Iowa	--	--	0.1	--	0.1	--	--	0.4	--	0.4
Jefferson	--	--	3.0	0.5	3.6	--	--	12.0	2.1	14.2
Keokuk	--	--	1.6	1.0	2.6	--	--	6.3	3.8	10.2
Lee	--	--	0.0	1.3	1.4	--	--	--	4.1	4.1
Louisa	--	--	3.0	0.5	3.5	--	--	10.5	2.2	12.7
Lucas	--	--	--	0.1	0.1	--	--	--	0.4	0.4
Mahaska	--	--	--	0.1	0.1	--	--	--	--	--
Marion	--	--	0.3	--	0.3	--	--	0.9	--	0.9
Monroe	--	--	--	0.5	0.5	--	--	--	2.0	2.0
Muscatine	--	--	--	1.0	1.0	--	--	--	3.8	3.8
Polk	--	--	--	0.0	0.0	--	--	--	--	--
Story	--	--	0.0	--	0.0	--	--	--	--	--
Wapello	--	--	--	0.1	0.1	--	--	--	--	--
Warren	--	--	0.1	--	0.1	--	--	--	--	--
Washington	--	--	0.2	0.5	0.7	--	--	0.6	2.3	2.9
Wayne	--	--	--	0.2	0.2	--	--	--	--	--
<b>Total</b>	--	--	8.9	6.6	15.5	--	--	32.6	21.6	54.2
<b>Southwestern</b>										
Adair	--	--	--	1.3	1.3	--	--	--	3.6	3.6
Greene	--	0.0	--	--	0.0	--	--	--	--	--
Harrison	--	--	--	0.4	0.4	--	--	--	1.5	1.5
Pottawattamie	--	--	6.3	--	6.3	--	--	28.1	--	28.1
<b>Total</b>	--	0.0	6.3	1.7	8.0	--	--	28.1	5.1	33.2
<b>Northwestern</b>										
Buena Vista	--	--	0.0	1.8	1.8	--	--	--	6.8	6.8
<b>Total</b>	--	--	0.0	1.8	1.8	--	--	--	6.8	6.8
<b>All counties</b>	--	0.0	21.3	14.6	36.0	--	--	81.8	52.4	134.3

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

Table IA-65.—Sampling errors, in percent, for net volume, average annual net growth, average annual removals, and average annual mortality on timberland, and forest area and timberland area by inventory unit and county, Iowa, 2013

Inventory unit and county	Forest area	Timberland area	Growing stock				Saw timber			
			Volume	Average annual net growth	Average annual removals	Average annual mortality	Volume	Average annual net growth	Average annual removals	Average annual mortality
<b>Northeastern</b>										
Allamakee	17.62	18.69	22.28	34.67	100.00	37.23	23.28	30.32	100.00	41.55
Benton	39.05	39.05	66.57	81.61	100.00	71.86	68.45	100.00	100.00	100.00
Black Hawk	41.96	41.96	48.90	60.59	88.30	88.30	48.32	53.20	88.30	88.30
Bremer	49.37	49.37	56.09	62.21	--	53.55	56.71	63.68	--	88.30
Buchanan	91.25	91.25	91.25	88.30	--	88.30	91.25	88.30	--	88.30
Butler	100.00	100.00	100.00	100.00	--	--	100.00	100.00	--	--
Cedar	57.20	57.20	68.12	62.09	--	88.30	68.85	64.58	--	88.30
Chickasaw	91.25	91.25	91.25	88.30	--	--	91.25	88.30	--	--
Clayton	18.89	19.08	24.75	27.54	53.51	55.68	26.18	31.65	53.34	78.08
Clinton	39.60	39.60	53.28	53.98	88.91	57.87	56.07	61.69	--	66.70
Delaware	51.77	51.77	73.59	54.97	88.30	76.73	77.63	56.25	88.30	88.30
Dubuque	31.93	31.93	37.99	38.33	--	55.24	40.68	41.57	--	88.91
Fayette	40.43	44.89	60.70	58.69	88.30	100.00	71.06	72.20	88.30	--
Floyd	43.49	45.10	65.11	61.22	--	76.23	83.13	83.08	--	--
Grundy	100.00	100.00	100.00	100.00	--	100.00	100.00	100.00	--	100.00
Howard	40.70	40.70	62.62	80.35	--	87.90	66.17	74.52	--	--
Jackson	21.42	22.37	33.94	58.48	100.00	38.06	35.43	38.52	100.00	44.81
Johnson	32.55	34.01	46.63	76.35	--	69.69	48.58	100.00	--	78.58
Jones	44.42	44.42	49.58	75.10	--	88.30	49.80	56.88	--	88.30
Linn	33.55	33.55	42.92	83.66	64.82	48.68	45.21	71.48	65.64	52.16
Mitchell	66.87	66.87	99.73	83.46	100.00	100.00	99.23	100.00	--	100.00
Scott	46.47	54.37	57.86	100.00	--	64.18	59.68	100.00	--	68.52
Tama	28.07	30.04	40.24	37.58	88.30	88.30	41.52	41.32	--	88.30
Winneshiek	26.82	26.82	33.08	35.78	77.57	70.02	35.41	35.82	85.14	100.00
<b>Total</b>	3.72	4.11	7.67	11.08	35.14	14.25	8.52	10.72	37.49	16.99

(Table 65 continued on next page)

(Table 65 continued)

Inventory unit and county	Forest area	Timberland area	Growing stock				Sawtimber			
			Volume	Average annual net growth	Average annual removals	Average annual mortality	Volume	Average annual net growth	Average annual removals	Average annual mortality
<b>Southeastern</b>										
Appanoose	26.69	26.69	34.40	35.10	--	63.57	36.93	38.35	--	98.64
Boone	47.60	47.60	58.46	51.64	98.64	--	64.01	54.82	--	--
Clarke	33.96	33.96	64.89	100.00	98.64	79.79	65.58	100.00	98.64	84.91
Dallas	46.07	46.07	49.67	47.95	--	60.19	51.09	47.81	--	--
Davis	33.23	33.23	52.96	43.87	--	50.56	57.59	43.92	--	--
Decatur	22.49	22.92	32.41	34.93	56.02	57.23	35.81	36.12	70.58	--
Des Moines	28.33	28.33	38.98	36.79	100.00	61.89	42.20	39.35	--	100.00
Guthrie	32.43	34.49	45.57	100.00	--	75.68	47.37	100.00	--	77.48
Hamilton	57.70	57.70	91.88	100.00	--	67.72	91.88	100.00	--	100.00
Hardin	46.60	46.60	62.88	55.95	--	98.64	62.29	56.33	--	--
Henry	34.08	34.08	43.10	67.44	--	76.80	45.17	61.58	--	88.16
Iowa	40.12	40.12	52.54	94.86	98.64	60.32	56.84	90.37	98.64	66.52
Jasper	48.30	54.93	53.70	69.10	--	88.16	53.84	100.00	--	88.16
Jefferson	37.24	37.24	52.65	62.01	90.21	89.18	53.51	61.98	90.10	100.00
Keokuk	49.89	49.89	60.59	100.00	88.16	100.00	61.71	100.00	88.16	100.00
Lee	24.85	24.85	30.83	33.42	85.00	47.99	32.30	32.26	98.64	52.41
Louisa	47.24	54.30	58.54	100.00	98.64	82.32	56.17	95.05	98.64	82.32
Lucas	27.25	27.25	43.85	42.00	100.00	59.35	51.74	63.50	100.00	70.58
Madison	32.69	32.69	44.70	43.59	--	78.55	50.59	53.15	--	98.64
Mahaska	33.43	34.98	57.25	63.78	100.00	57.65	61.32	74.96	100.00	57.06
Marion	34.18	34.18	41.93	68.86	67.89	60.83	42.53	58.82	68.71	84.97
Marshall	42.96	42.96	63.09	74.31	--	--	57.38	61.76	--	--
Monroe	26.34	26.34	34.24	35.75	98.64	99.58	37.15	37.80	98.64	100.00
Muscatine	37.72	37.72	45.82	44.45	98.64	69.52	48.09	48.01	98.64	--
Polk	34.84	34.84	50.22	69.59	100.00	85.93	62.67	86.32	--	85.41
Poweshiek	50.46	50.46	59.40	54.63	--	98.64	70.02	66.46	--	--
Story	42.83	45.38	55.93	100.00	98.64	66.47	58.28	100.00	--	66.08
Van Buren	24.59	25.26	33.34	31.35	--	42.94	35.42	35.30	--	--
Wapello	28.21	28.21	38.01	100.00	100.00	66.31	39.33	100.00	--	69.74
Warren	34.55	34.55	45.58	51.09	81.70	61.69	48.81	45.01	--	98.64
Washington	37.94	38.99	65.80	84.97	62.84	59.13	69.15	89.77	62.53	63.75
Wayne	40.29	40.29	49.03	45.37	98.64	72.42	51.26	61.80	--	--
Webster	44.25	54.07	60.82	67.46	--	100.00	63.94	61.27	--	100.00

(Table 65 continued on next page)

(Table 65 continued)

Inventory unit and county	Forest area	Timberland area	Growing stock			Saw timber				
			Volume	Average annual net growth	Average annual removals	Average annual mortality	Volume	Average annual net growth	Average annual removals	Average annual mortality
<b>Total</b>	2.91	3.10	6.35	13.60	37.91	20.82	7.27	14.46	39.94	24.75
<b>Southwestern</b>										
Adair	57.20	57.20	71.26	100.00	100.00	100.00	88.59	89.94	100.00	--
Adams	88.49	100.00	100.00	100.00	--	--	100.00	100.00	--	--
Audubon	100.00	100.00	100.00	100.00	--	100.00	100.00	100.00	--	--
Cass	55.89	55.89	66.51	100.00	--	81.43	66.16	100.00	--	81.43
Crawford	58.23	58.23	87.59	77.56	--	--	90.56	73.30	--	--
Fremont	43.14	46.36	72.36	100.00	--	87.11	78.46	100.00	--	99.87
Greene	50.14	50.14	56.50	53.97	100.00	100.00	62.94	57.96	--	--
Harrison	32.47	33.00	58.62	100.00	100.00	74.69	60.75	72.20	100.00	100.00
Mills	39.14	39.14	50.41	84.26	--	54.55	54.50	96.53	--	54.10
Monona	37.46	39.73	68.94	78.55	--	97.38	71.02	86.70	--	100.00
Montgomery	49.72	52.25	100.00	100.00	--	--	100.00	100.00	--	--
Page	38.57	38.57	45.95	100.00	--	70.47	48.25	100.00	--	69.23
Pottawattamie	37.95	37.95	58.90	100.00	100.00	78.24	60.09	100.00	100.00	81.43
Ringgold	44.92	44.92	63.86	79.02	--	81.65	69.04	71.91	--	--
Shelby	71.81	71.81	--	--	--	--	--	--	--	--
Taylor	46.35	46.35	100.00	100.00	--	--	100.00	100.00	--	--
Union	44.07	44.07	64.84	58.88	--	77.41	68.10	64.58	--	--
Woodbury	43.55	46.88	99.18	83.20	--	--	100.00	100.00	--	--
<b>Total</b>	6.94	7.25	19.72	45.72	82.27	39.16	22.74	46.08	85.84	43.31

(Table 65 continued on next page)



(Table 65 continued)

Inventory unit and county	Forest area	Timberland area	Growing stock				Saw timber			
			Volume	Average annual net growth	Average annual removals	Average annual mortality	Volume	Average annual net growth	Average annual removals	Average annual mortality
<b>Northwestern</b>										
Buena Vista	76.89	76.89	65.02	86.24	86.24	--	65.60	86.24	86.24	--
Cerro Gordo	56.11	56.11	67.70	80.35	--	86.24	67.66	83.17	--	--
Cherokee	73.08	73.08	--	--	--	--	--	--	--	--
Clay	86.06	86.06	86.06	86.24	--	86.24	86.06	86.24	--	--
Dickinson	100.00	100.00	100.00	100.00	--	--	100.00	100.00	--	--
Emmet	100.00	100.00	100.00	100.00	--	--	100.00	100.00	--	--
Franklin	73.28	73.28	100.00	100.00	--	100.00	100.00	100.00	--	100.00
Hancock	100.00	100.00	--	--	--	--	--	--	--	--
Humboldt	98.72	98.72	98.72	94.32	--	94.32	98.72	94.32	--	--
Ida	100.00	100.00	100.00	100.00	--	--	100.00	100.00	--	--
Kossuth	73.04	73.04	81.62	81.07	--	86.24	80.77	82.32	--	--
Lyon	75.18	100.00	100.00	100.00	--	--	--	--	--	--
O'Brien	100.00	--	--	--	--	--	--	--	--	--
Palo Alto	86.06	86.06	86.06	86.24	--	86.24	86.06	86.24	--	86.24
Plymouth	44.84	44.84	51.08	58.27	--	--	68.84	73.38	--	--
Pocahontas	100.00	100.00	100.00	100.00	--	--	--	--	--	--
Sac	100.00	100.00	100.00	100.00	--	--	100.00	100.00	--	--
Worth	100.00	100.00	100.00	100.00	--	--	--	--	--	--
Wright	86.06	86.06	--	--	--	--	--	--	--	--
<b>Total</b>	16.05	16.27	51.36	63.84	86.24	62.59	56.35	58.92	86.24	68.14
<b>All counties</b>	2.22	2.37	5.06	9.14	28.06	12.86	5.71	9.22	30.15	15.35

Sampling errors that exceed 100% are reported as 100%.