

2018 Average annual growth of growing-stock (cubic feet per year) on timberland by region. Estimates in red have a high sampling error and should be used with caution.

Growth	Estimate (cft/yr)						Percent of total for region						Percent of total for species				
Species	Northeast	Northwest	Central	Southwest	Southeast	Total	Northeast	Northwest	Central	Southwest	Southeast	Total	Northeast	Northwest	Central	Southwest	Southeast
Ash	9,701,772	8,390,864	6,225,904	3,487,271	6,931,674	34,737,486	5.8%	5.1%	4.8%	5.3%	15.1%	6.1%	27.9%	24.2%	17.9%	10.0%	20.0%
Aspen	25,923,638	36,561,041	10,770,459	2,386,091	2,612,066	78,253,293	15.5%	22.4%	8.3%	3.7%	5.7%	13.7%	33.1%	46.7%	13.8%	3.0%	3.3%
Balsam fir	6,912,329	4,656,023	-209,338	124,877	56,335	11,540,226	4.1%	2.9%	-	0.2%	0.1%	2.0%	59.9%	40.3%	-1.8%	1.1%	0.5%
American basswood	7,175,638	7,227,592	2,577,302	3,629,972	2,499,057	23,109,561	4.3%	4.4%	2.0%	5.6%	5.5%	4.0%	31.1%	31.3%	11.2%	15.7%	10.8%
American beech	720,992	0	0	0	344,319	1,065,311	0.4%	-	-	-	0.8%	0.2%	67.7%	-	-	-	32.3%
Black cherry	1,126,232	608,917	1,029,021	2,906,057	1,509,641	7,179,868	0.7%	0.4%	0.8%	4.4%	3.3%	1.3%	15.7%	8.5%	14.3%	40.5%	21.0%
Black spruce	2,165,085	-225,788	90,911	0	18,657	2,048,864	1.3%	-	0.1%	-	0.0%	0.4%	105.7%	-11.0%	4.4%	-	0.9%
Black walnut	0	6,731	160,211	3,033,489	2,878,281	6,078,712	-	0.0%	0.1%	4.6%	6.3%	1.1%	-	0.1%	2.6%	49.9%	47.4%
American elm	236,253	711,532	-862,708	1,089,874	-2,118,940	-943,989	0.1%	0.4%	-	1.7%	-	-	-	-	-	-	-
Sugar maple	21,853,296	18,168,636	4,814,881	5,309,194	2,694,555	52,840,562	13.1%	11.1%	3.7%	8.1%	5.9%	9.2%	41.4%	34.4%	9.1%	10.0%	5.1%
Eastern hemlock	3,951,553	24,794	840,120	0	97,688	4,914,156	2.4%	0.0%	0.6%	-	0.2%	0.9%	80.4%	0.5%	17.1%	-	2.0%
Bitternut hickory	-87,855	266,367	630,579	2,191,105	561,509	3,561,705	-	0.2%	0.5%	3.4%	1.2%	0.6%	-2.5%	7.5%	17.7%	61.5%	15.8%
Shagbark hickory	0	0	627,368	2,602,221	1,228,283	4,457,872	-	-	0.5%	4.0%	2.7%	0.8%	-	-	14.1%	58.4%	27.6%
Jack pine	1,380,126	1,705,234	1,991,680	-367,118	-38,474	4,671,447	0.8%	1.0%	1.5%	-	-	0.8%	29.5%	36.5%	42.6%	-7.9%	-0.8%
Black oak	0	0	3,824,554	929,770	97,688	4,852,013	-	-	2.9%	1.4%	0.2%	0.8%	-	-	78.8%	19.2%	2.0%
Northern pin oak	2,278,688	-57,063	3,628,004	186,931	670,123	6,706,684	1.4%	0.0%	2.8%	0.3%	1.5%	1.2%	34.0%	-0.9%	54.1%	2.8%	10.0%
Northern red oak	10,561,983	16,963,739	12,364,080	12,178,458	2,660,019	54,728,279	6.3%	10.4%	9.5%	18.6%	5.8%	9.6%	19.3%	31.0%	22.6%	22.3%	4.9%
Northern white cedar	5,943,944	2,964,452	890,071	0	2,505,240	12,303,708	3.6%	1.8%	0.7%	-	5.5%	2.2%	48.3%	24.1%	7.2%	-	20.4%
Paper birch	681,319	-1,371,199	696,013	-355,866	-185,569	-535,302	0.4%	-	0.5%	-	-	-	-	-	-	-	-
Red pine	20,914,101	21,639,886	19,750,851	3,734,969	1,320,004	67,359,810	12.5%	13.3%	15.2%	5.7%	2.9%	11.8%	31.0%	32.1%	29.3%	5.5%	2.0%
Red maple	17,176,292	21,790,713	21,563,595	4,473,121	3,565,965	68,569,686	10.3%	13.4%	16.6%	6.8%	7.8%	12.0%	25.0%	31.8%	31.4%	6.5%	5.2%
Tamarack	4,159,232	3,331,689	782,065	35,896	231,043	8,539,926	2.5%	2.0%	0.6%	0.1%	0.5%	1.5%	48.7%	39.0%	9.2%	0.4%	2.7%
White oak	-67	1,656,466	4,363,086	4,268,542	1,442,523	11,730,551	0.0%	1.0%	3.4%	6.5%	3.1%	2.1%	0.0%	14.1%	37.2%	36.4%	12.3%
Eastern white pine	17,996,196	12,745,793	26,892,841	6,562,644	5,261,806	69,459,280	10.8%	7.8%	20.7%	10.0%	11.5%	12.2%	25.9%	18.4%	38.7%	9.4%	7.6%
White spruce	2,362,699	539,103	400,881	412,760	584,029	4,299,473	1.4%	0.3%	0.3%	0.6%	1.3%	0.8%	55.0%	12.5%	9.3%	9.6%	13.6%
Yellow birch	1,682,732	2,142,507	470,478	66,534	47,763	4,410,013	1.0%	1.3%	0.4%	0.1%	0.1%	0.8%	38.2%	48.6%	10.7%	1.5%	1.1%
All species	167,256,169	163,226,191	129,825,197	65,315,334	45,816,402	571,439,293							29.3%	28.6%	22.7%	11.4%	8.0%

Table doesn't include all species. Total is indicative of all species, not only species included in table.

2018 Average annual mortality of growing-stock (cubic feet per year) on timberland by region. Estimates in red have a high sampling error and should be used with caution.

Mortality	Estimate (cft/yr)						Percent of total for region						Percent of total for species				
	Species	Northeast	Northwest	Central	Southwest	Southeast	Total	Northeast	Northwest	Central	Southwest	Southeast	Total	Northeast	Northwest	Central	Southwest
Ash	939,400	5,183,929	1,816,166	1,856,355	4,382,032	14,177,882	1.7%	6.3%	4.5%	5.6%	17.0%	6.0%	6.6%	36.6%	12.8%	13.1%	30.9%
Aspen	17,987,907	25,300,169	8,539,255	5,982,203	2,198,305	60,007,841	33.5%	30.7%	21.1%	17.9%	8.5%	25.4%	30.0%	42.2%	14.2%	10.0%	3.7%
Balsam fir	7,480,786	8,264,450	1,011,095	0	139,018	16,895,349	13.9%	10.0%	2.5%	-	0.5%	7.2%	44.3%	48.9%	6.0%	-	0.8%
American basswood	2,108,444	2,774,318	1,572,420	1,817,182	1,014,196	9,286,561	3.9%	3.4%	3.9%	5.4%	3.9%	3.9%	22.7%	29.9%	16.9%	19.6%	10.9%
American beech	45,875	0	0	0	44,240	90,115	0.1%	-	-	-	0.2%	0.0%	50.9%	-	-	-	49.1%
Black cherry	381,880	294,391	733,936	1,189,437	1,377,521	3,977,164	0.7%	0.4%	1.8%	3.6%	5.3%	1.7%	9.6%	7.4%	18.5%	29.9%	34.6%
Black spruce	1,945,101	2,566,994	100,506	0	0	4,612,602	3.6%	3.1%	0.2%	-	-	2.0%	42.2%	55.7%	2.2%	-	-
Black walnut	0	0	0	8,770	69,642	78,412	-	-	-	0.0%	0.3%	0.0%	-	-	-	11.2%	88.8%
American elm	1,531,147	2,287,571	3,940,587	5,801,653	5,311,812	18,872,770	2.8%	2.8%	9.7%	17.4%	20.6%	8.0%	8.1%	12.1%	20.9%	30.7%	28.1%
Sugar maple	3,452,533	2,469,201	497,379	458,901	161,166	7,039,180	6.4%	3.0%	1.2%	1.4%	0.6%	3.0%	49.0%	35.1%	7.1%	6.5%	2.3%
Eastern hemlock	1,925,829	2,665,552	300,519	0	418,072	5,309,972	3.6%	3.2%	0.7%	-	1.6%	2.3%	36.3%	50.2%	5.7%	-	7.9%
Bitternut hickory	323,566	69,945	577,246	709,574	29,317	1,709,648	0.6%	0.1%	1.4%	2.1%	0.1%	0.7%	18.9%	4.1%	33.8%	41.5%	1.7%
Shagbark hickory	0	0	13,478	338,060	5,084	356,622	-	-	0.0%	1.0%	0.0%	0.2%	-	-	3.8%	94.8%	1.4%
Jack pine	940,971	2,669,165	2,837,719	417,647	81,808	6,947,308	1.8%	3.2%	7.0%	1.3%	0.3%	2.9%	13.5%	38.4%	40.8%	6.0%	1.2%
Black oak	0	0	3,354,441	1,678,156	1,084,390	6,116,988	-	-	8.3%	5.0%	4.2%	2.6%	-	-	54.8%	27.4%	17.7%
Northern pin oak	1,125,370	3,593,139	3,164,865	926,290	259,016	9,068,680	2.1%	4.4%	7.8%	2.8%	1.0%	3.8%	12.4%	39.6%	34.9%	10.2%	2.9%
Northern red oak	677,011	2,218,796	1,441,294	3,243,047	685,628	8,265,776	1.3%	2.7%	3.6%	9.7%	2.7%	3.5%	8.2%	26.8%	17.4%	39.2%	8.3%
Northern white cedar	1,493,898	246,086	56,598	0	876,617	2,673,199	2.8%	0.3%	0.1%	-	3.4%	1.1%	55.9%	9.2%	2.1%	-	32.8%
Paper birch	3,631,962	7,286,682	1,258,140	2,278,741	925,689	15,381,214	6.8%	8.8%	3.1%	6.8%	3.6%	6.5%	23.6%	47.4%	8.2%	14.8%	6.0%
Red pine	371,500	573,638	1,717,641	310,243	86,035	3,059,057	0.7%	0.7%	4.2%	0.9%	0.3%	1.3%	12.1%	18.8%	56.1%	10.1%	2.8%
Red maple	1,855,773	4,100,289	2,081,213	272,001	444,019	8,753,296	3.5%	5.0%	5.1%	0.8%	1.7%	3.7%	21.2%	46.8%	23.8%	3.1%	5.1%
Tamarack	1,063,112	1,498,615	609,552	0	173,110	3,344,389	2.0%	1.8%	1.5%	-	0.7%	1.4%	31.8%	44.8%	18.2%	-	5.2%
White oak	218,904	40,333	1,334,929	938,159	356,166	2,888,491	0.4%	0.0%	3.3%	2.8%	1.4%	1.2%	7.6%	1.4%	46.2%	32.5%	12.3%
Eastern white pine	1,553,708	2,693,384	1,645,846	629,197	1,095,999	7,618,134	2.9%	3.3%	4.1%	1.9%	4.3%	3.2%	20.4%	35.4%	21.6%	8.3%	14.4%
White spruce	1,576,898	3,175,065	532,125	98,187	225,456	5,607,731	2.9%	3.8%	1.3%	0.3%	0.9%	2.4%	28.1%	56.6%	9.5%	1.8%	4.0%
Yellow birch	544,269	1,789,595	167,177	34,030	145,785	2,680,856	1.0%	2.2%	0.4%	0.1%	0.6%	1.1%	20.3%	66.8%	6.2%	1.3%	5.4%
All species	53,761,548	82,507,881	40,564,864	33,347,787	25,785,521	235,967,601							22.8%	35.0%	17.2%	14.1%	10.9%

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2018 Average annual removals of growing-stock (cubic feet per year) on timberland by region. Estimates in red have a high sampling error and should be used with caution.

Removals Species	Estimate (cft/yr)						Percent of total for region						Percent of total for species				
	Northeast	Northwest	Central	Southwest	Southeast	Total	Northeast	Northwest	Central	Southwest	Southeast	Total	Northeast	Northwest	Central	Southwest	Southeast
Ash	1,960,918	2,884,874	2,878,880	1,637,709	3,727,183	13,089,564	2.3%	2.8%	4.5%	6.7%	21.5%	4.4%	15.0%	22.0%	22.0%	12.5%	28.5%
Aspen	25,463,688	28,419,564	7,274,144	2,212,499	1,960,761	65,330,655	29.5%	27.6%	11.4%	9.1%	11.3%	22.2%	39.0%	43.5%	11.1%	3.4%	3.0%
Balsam fir	3,641,926	2,787,093	58,930	0	0	6,487,949	4.2%	2.7%	0.1%	-	-	2.2%	56.1%	43.0%	0.9%	-	-
American basswood	2,935,093	6,067,891	2,919,748	1,097,006	626,449	13,646,187	3.4%	5.9%	4.6%	4.5%	3.6%	4.6%	21.5%	44.5%	21.4%	8.0%	4.6%
American beech	112,288	0	0	0	365,261	477,549	0.1%	-	-	-	2.1%	0.2%	23.5%	-	-	-	76.5%
Black cherry	1,117,500	350,058	427,740	931,813	934,188	3,761,299	1.3%	0.3%	0.7%	3.8%	5.4%	1.3%	29.7%	9.3%	11.4%	24.8%	24.8%
Black spruce	726,716	198,677	9,486	0	0	934,878	0.8%	0.2%	0.0%	-	-	0.3%	77.7%	21.3%	1.0%	-	-
Black walnut	0	0	0	2,192,076	100,005	2,292,081	-	-	-	9.0%	0.6%	0.8%	-	-	-	95.6%	4.4%
American elm	117,900	311,207	785,104	881,626	110,893	2,206,730	0.1%	0.3%	1.2%	3.6%	0.6%	0.7%	5.3%	14.1%	35.6%	40.0%	5.0%
Sugar maple	8,918,651	9,963,409	1,536,615	797,523	987,843	22,204,042	10.3%	9.7%	2.4%	3.3%	5.7%	7.5%	40.2%	44.9%	6.9%	3.6%	4.4%
Eastern hemlock	1,601,031	460,988	346,899	0	0	2,408,918	1.9%	0.4%	0.5%	-	-	0.8%	66.5%	19.1%	14.4%	-	-
Bitternut hickory	68,388	115,194	1,024,962	103,720	0	1,312,264	0.1%	0.1%	1.6%	0.4%	-	0.4%	5.2%	8.8%	78.1%	7.9%	-
Shagbark hickory	0	0	100,824	1,262,650	64,590	1,428,065	-	-	0.2%	5.2%	0.4%	0.5%	-	-	7.1%	88.4%	4.5%
Jack pine	838,498	2,904,682	3,093,434	18,506	0	6,855,120	1.0%	2.8%	4.9%	0.1%	-	2.3%	12.2%	42.4%	45.1%	0.3%	-
Black oak	0	0	7,049,838	1,534,472	104,820	8,689,130	-	-	11.1%	6.3%	0.6%	2.9%	-	-	81.1%	17.7%	1.2%
Northern pin oak	2,049,027	3,171,265	2,492,222	780,556	858,494	9,351,564	2.4%	3.1%	3.9%	3.2%	5.0%	3.2%	21.9%	33.9%	26.7%	8.3%	9.2%
Northern red oak	3,474,979	5,195,543	4,108,000	999,483	593,725	14,371,730	4.0%	5.0%	6.5%	4.1%	3.4%	4.9%	24.2%	36.2%	28.6%	7.0%	4.1%
Northern white cedar	628,130	138,489	20,325	0	0	786,943	0.7%	0.1%	0.0%	-	-	0.3%	79.8%	17.6%	2.6%	-	-
Paper birch	3,831,797	4,970,913	1,231,748	216,330	564,007	10,814,794	4.4%	4.8%	1.9%	0.9%	3.3%	3.7%	35.4%	46.0%	11.4%	2.0%	5.2%
Red pine	12,117,602	10,642,868	12,671,125	605,786	374,462	36,411,844	14.1%	10.3%	19.9%	2.5%	2.2%	12.4%	33.3%	29.2%	34.8%	1.7%	1.0%
Red maple	7,298,960	15,080,789	6,855,090	587,271	399,286	30,221,396	8.5%	14.6%	10.8%	2.4%	2.3%	10.3%	24.2%	49.9%	22.7%	1.9%	1.3%
Tamarack	926,018	1,007,598	324,514	0	0	2,258,130	1.1%	1.0%	0.5%	-	-	0.8%	41.0%	44.6%	14.4%	-	-
White oak	0	1,222,979	2,309,945	2,744,636	1,366,669	7,644,228	-	1.2%	3.6%	11.3%	7.9%	2.6%	-	16.0%	30.2%	35.9%	17.9%
Eastern white pine	4,229,864	3,883,290	5,019,254	2,090,077	732,009	15,954,494	4.9%	3.8%	7.9%	8.6%	4.2%	5.4%	26.5%	24.3%	31.5%	13.1%	4.6%
White spruce	1,517,247	900,268	11,699	19,144	305,854	2,754,213	1.8%	0.9%	0.0%	0.1%	1.8%	0.9%	55.1%	32.7%	0.4%	0.7%	11.1%
Yellow birch	1,293,103	963,818	136,460	0	407,089	2,800,469	1.5%	0.9%	0.2%	-	2.4%	1.0%	46.2%	34.4%	4.9%	-	14.5%
<b>All species</b>	<b>86,187,208</b>	<b>103,143,560</b>	<b>63,673,553</b>	<b>24,359,942</b>	<b>17,317,252</b>	<b>294,681,515</b>							<b>29.2%</b>	<b>35.0%</b>	<b>21.6%</b>	<b>8.3%</b>	<b>5.9%</b>

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