

**Table 1-9**—Calculated weights of wood per thousand board feet actual measure

Species	Approximate correction factor per 1,000 board feet for each 1 percent moisture content change		Weight (lb) per 1,000 actual board feet of various moisture content levels					
	Below 30 percent moisture content	Above 30 percent moisture content	6%	15%	25%	40%	60%	80%
	<b>SOFTWOODS</b>							
Baldcypress	13.2	21.9	2,527	2,646	2,778	3,063	3,501	3,939
Cedar								
Alaska	14.4	21.9	2,498	2,628	2,772	3,063	3,501	3,939
Atlantic white-	10.9	16.1	1,838	1,936	2,045	2,261	2,583	2,905
Eastern redcedar	16.4	22.9	2,587	2,735	2,899	3,210	3,668	4,126
Incense	13.1	18.2	2,056	2,174	2,305	2,553	2,917	3,281
Northern white	11.1	15.1	1,697	1,797	1,908	2,115	2,417	2,719
Port-Orford	12.6	20.2	2,339	2,452	2,578	2,843	3,247	3,651
Western redcedar	12.2	16.1	1,807	1,917	2,039	2,261	2,583	2,905
Douglas-fir								
Coast type	12.3	23.4	2,753	2,864	2,987	3,283	3,751	4,219
Interior west	13.2	23.9	2,799	2,918	3,050	3,355	3,833	4,311
Interior north	14.0	23.4	2,712	2,838	2,978	3,282	3,750	4,218
Fir								
Balsam	9.9	17.2	1,998	2,087	2,186	2,408	2,752	3,096
California red	10.6	18.7	2,183	2,278	2,384	2,624	2,998	3,372
Grand	10.7	18.2	2,114	2,210	2,317	2,553	2,917	3,281
Noble	10.1	19.2	2,264	2,355	2,456	2,699	3,083	3,467
Pacific silver	10.4	20.8	2,461	2,555	2,659	2,919	3,335	3,751
Subalpine	10.5	16.1	1,848	1,943	2,048	2,262	2,584	2,906
White	12.2	19.2	2,213	2,323	2,445	2,698	3,082	3,466
Hemlock								
Eastern	12.6	19.8	2,271	2,384	2,510	2,771	3,167	3,563
Western	11.5	21.8	2,570	2,674	2,789	3,065	3,501	3,937
Larch, western	11.3	25.0	2,979	3,081	3,194	3,501	4,001	4,501
Pine								
Eastern white	12.3	17.7	2,007	2,118	2,241	2,480	2,834	3,188
Lodgepole	11.5	19.8	2,299	2,402	2,518	2,774	3,170	3,566
Ponderosa	12.6	19.8	2,271	2,384	2,510	2,771	3,167	3,563
Red	12.2	21.3	2,484	2,594	2,716	2,990	3,416	3,842
Southern pine								
Loblolly	12.9	24.4	2,873	2,989	3,118	3,427	3,915	4,403
Longleaf	15.0	28.1	3,298	3,433	3,583	3,939	4,501	5,063
Shortleaf	12.9	24.4	2,873	2,989	3,118	3,427	3,915	4,403
Sugar	12.6	17.7	2,000	2,113	2,239	2,479	2,833	3,187
Western white	10.0	18.2	2,130	2,220	2,320	2,552	2,916	3,280
Redwood								
Old-growth	14.9	19.8	2,215	2,349	2,498	2,771	3,167	3,563
Second-growth	13.2	17.7	1,985	2,104	2,236	2,479	2,833	3,187
Spruce								
Black	11.3	19.8	2,303	2,405	2,518	2,773	3,169	3,565
Engelmann	10.0	17.2	1,994	2,084	2,184	2,406	2,750	3,094
Red	10.6	19.2	2,252	2,347	2,453	2,698	3,082	3,466
Sitka	10.8	19.2	2,246	2,343	2,451	2,697	3,081	3,465
Tamarack	12.0	25.5	3,030	3,138	3,258	3,573	4,083	4,593
<b>HARDWOODS</b>								
Alder, red	9.9	19.2	2,268	2,357	2,456	2,698	3,082	3,466
Apple	10.9	31.7	3,870	3,968	4,077	4,449	5,083	5,717
Ash								
Black	9.3	23.4	2,824	2,908	3,001	3,282	3,750	4,218
Green	14.3	27.6	3,246	3,375	3,518	3,866	4,418	4,970
White	13.9	28.6	3,392	3,517	3,656	4,012	4,584	5,156

Table 1-9—Calculated weights of wood per thousand board feet actual measure—continued

Species	Approximate correction factor per 1,000 board feet for each 1 percent moisture content change		Weight (lb) per 1,000 actual board feet of various moisture content levels					
	Below 30 percent moisture content	Above 30 percent moisture content.	8%	15%	25%	40%	60%	80%
	HARDWOODS—continued							
Aspen								
Bigtooth	10.3	18.7	2,191	2,284	2,387	2,626	3,000	3,374
Quaking	10.3	18.2	2,125	2,217	2,321	2,555	2,919	3,283
Basswood, American	6.2	16.6	2,019	2,081	2,143	2,340	2,672	3,004
Beech, American	8.9	29.1	3,579	3,659	3,748	4,084	4,666	5,248
Birch								
Paper	8.8	25.0	3,049	3,128	3,216	3,510	4,010	4,510
Sweet	11.9	31.2	3,779	3,886	4,005	4,377	5,001	5,625
Yellow	9.2	28.6	3,502	3,585	3,677	4,009	4,581	5,153
Buckeye, yellow	8.9	17.2	2,021	2,101	2,190	2,407	2,751	3,095
Butternut	11.3	18.7	2,168	2,270	2,383	2,627	3,001	3,375
Cherry, black	13.8	24.4	2,853	2,977	3,115	3,428	3,916	4,404
Chestnut, American	11.6	20.8	2,430	2,534	2,650	2,916	3,332	3,748
Cottonwood, black	8.5	16.1	1,897	1,974	2,059	2,263	2,585	2,907
Dogwood, flowering	6.8	33.3	4,168	4,229	4,297	4,664	5,330	5,996
Elm								
American	10.2	23.9	2,871	2,963	3,065	3,355	3,833	4,311
Rock	12.2	29.6	3,567	3,677	3,799	4,156	4,748	5,340
Slippery	11.5	25.0	2,974	3,078	3,193	3,501	4,001	4,501
Hackberry	11.8	25.5	3,036	3,142	3,260	3,574	4,084	4,594
Hickory, pecan								
Bitternut	14.7	31.2	3,711	3,843	3,990	4,376	5,000	5,624
Hickory, true								
Mockernut	9.1	33.3	4,113	4,195	4,286	4,665	5,331	5,997
Pignut	9.3	34.3	4,246	4,330	4,423	4,805	5,491	6,177
Shagbark	10.9	33.3	4,071	4,169	4,278	4,666	5,332	5,998
Shellbark	6.6	32.2	4,037	4,096	4,162	4,517	5,161	5,805
Holly, American	8.3	26.0	3,187	3,262	3,345	3,647	4,167	4,687
Hophornbeam, eastern	7.9	32.8	4,076	4,147	4,226	4,594	5,250	5,906
Laurel, California	15.1	26.5	3,093	3,229	3,380	3,721	4,251	4,781
Locust, black	21.2	34.3	3,961	4,152	4,364	4,813	5,499	6,185
Madrone, Pacific	7.8	30.2	3,738	3,808	3,886	4,227	4,831	5,435
Maple								
Soft								
Bigleaf	12.8	22.9	2,673	2,788	2,916	3,209	3,667	4,125
Red	13.1	25.5	3,004	3,122	3,253	3,573	4,083	4,593
Silver	12.4	22.9	2,683	2,795	2,919	3,210	3,668	4,126
Hard								
Black	12.3	27.0	3,228	3,338	3,462	3,793	4,333	4,873
Sugar	12.3	29.1	3,498	3,609	3,732	4,084	4,666	5,248
Oak, red								
Black	11.7	29.1	3,511	3,616	3,733	4,083	4,665	5,247
California black	16.4	26.5	3,061	3,209	3,373	3,720	4,250	4,780
Laurel	6.3	29.1	3,640	3,697	3,760	4,082	4,664	5,246
Northern red	13.6	29.1	3,467	3,589	3,725	4,084	4,666	5,248
Pin	13.0	30.2	3,616	3,733	3,863	4,230	4,834	5,438
Scarlet	13.2	31.2	3,748	3,867	3,999	4,377	5,001	5,625
Southern red	9.6	27.0	3,290	3,376	3,472	3,790	4,330	4,870
Water	10.4	29.1	3,543	3,637	3,741	4,084	4,666	5,248
Willow	6.4	29.1	3,636	3,694	3,758	4,081	4,663	5,245
Oak, white								
Bur	15.4	30.2	3,558	3,697	3,851	4,230	4,834	5,438
Chestnut	10.1	29.6	3,616	3,707	3,808	4,154	4,746	5,338
Live	17.5	41.6	4,997	5,155	5,330	5,833	6,665	7,497
Overcup	10.7	29.6	3,603	3,699	3,806	4,156	4,748	5,340
Post	11.0	31.2	3,799	3,898	4,008	4,375	4,999	5,623
Swamp chestnut	10.7	31.2	3,806	3,902	4,009	4,375	4,999	5,623
White	10.8	31.2	3,803	3,900	4,008	4,374	4,998	5,622

Table 1-9—Calculated weights of wood per thousand board feet actual measure—continued

Species	Approximate correction factor per 1,000 board feet for each 1 percent moisture content change		Weight (lb) per 1,000 actual board feet of various moisture content levels					
	Below 30 percent moisture content	Above 30 percent moisture content	6%	15%	25%	40%	60%	80%
	HARDWOODS—continued							
Persimmon, common	7.0	33.3	4,164	4,227	4,297	4,665	5,331	5,997
Sweetgum	8.9	23.9	2,902	2,982	3,071	3,354	3,833	4,311
Sycamore, American	10.7	23.9	2,858	2,954	3,061	3,354	3,832	4,310
Tanoak	9.0	30.2	3,710	3,791	3,881	4,228	4,832	5,436
Tupelo								
Black	10.4	23.9	2,866	2,960	3,064	3,355	3,833	4,311
Water	12.4	23.9	2,817	2,929	3,053	3,354	3,832	4,310
Walnut, black	13.4	26.5	3,132	3,253	3,387	3,719	4,249	4,779
Willow, black	8.6	18.7	2,232	2,309	2,395	2,625	2,999	3,373
Yellow-poplar	10.6	20.8	2,454	2,549	2,655	2,916	3,332	3,748
IMPORTED								
Afrormosia	18.9	31.7	3,677	3,847	4,036	4,448	5,082	5,716
Albarco	16.7	25.0	2,851	3,001	3,168	3,501	4,002	4,502
Andiroba	17.1	28.1	3,246	3,400	3,571	3,937	4,499	5,061
Angelique	14.2	31.2	3,724	3,852	3,994	4,377	5,001	5,625
Apitong	12.8	35.9	4,365	4,480	4,608	5,031	5,749	6,467
Avodire	13.5	25.0	2,927	3,049	3,184	3,501	4,001	4,501
Balata	14.1	44.2	5,417	5,544	5,685	6,197	7,081	7,965
Balsa	4.9	8.3	965	1,009	1,058	1,166	1,332	1,498
Banak	10.2	21.8	2,600	2,692	2,794	3,063	3,499	3,935
Benge	15.6	33.8	4,027	4,167	4,323	4,739	5,415	6,091
Bubinga	16.4	36.9	4,415	4,563	4,727	5,178	5,917	6,654
Caribbean pine	17.8	35.4	4,179	4,339	4,517	4,960	5,668	6,376
Cativo	14.0	20.8	2,374	2,500	2,640	2,918	3,334	3,750
Ceiba	7.9	13.0	1,503	1,574	1,653	1,823	2,083	2,343
Cocobolo	34.6	46.3	5,196	5,507	5,853	6,489	7,415	8,341
Courbaril	18.9	36.9	4,356	4,526	4,715	5,179	5,917	6,655
Cuangare	8.7	16.1	1,890	1,968	2,055	2,260	2,582	2,904
Degame	17.0	34.8	4,129	4,282	4,452	4,885	5,581	6,277
Determa	16.5	27.0	3,126	3,275	3,440	3,792	4,332	4,872
Ebony, East Indian	16.2	36.4	4,352	4,498	4,660	5,105	5,833	6,561
Ebony, African	7.0	42.6	5,381	5,444	5,514	5,975	6,827	7,679
Gmelina	14.4	21.3	2,431	2,561	2,705	2,990	3,416	3,842
Goncalo alves	27.4	43.7	5,032	5,279	5,553	6,127	7,001	7,875
Greenheart	12.8	41.6	5,108	5,223	5,351	5,831	6,663	7,495
Hura	14.5	19.8	2,224	2,355	2,500	2,770	3,166	3,562
Ilomba	10.5	20.8	2,456	2,551	2,656	2,916	3,332	3,748
Imbuya	18.4	27.6	3,148	3,314	3,498	3,866	4,418	4,970
Ipe	23.4	47.8	5,670	5,881	6,115	6,710	7,666	8,622
Iroko	19.0	28.1	3,202	3,373	3,563	3,939	4,501	5,063
Jarrah	8.0	34.8	4,343	4,415	4,495	4,883	5,579	6,275
Jelutong	13.4	18.7	2,116	2,237	2,371	2,625	2,999	3,373
Kapur	13.9	33.3	4,001	4,126	4,265	4,668	5,334	6,000
Karri	6.6	42.6	5,391	5,450	5,516	5,975	6,827	7,679
Kempas	15.9	36.9	4,427	4,570	4,729	5,178	5,916	6,659
Keruing	12.8	35.9	4,365	4,480	4,608	5,031	5,749	6,467
Lauan, red and white	10.0-16.1	17.7-28.6	2,064-3,339	2,154-3,484	2,254-3,645	2,481-4,011	2,835-4,583	3,189-5,155
Limba	11.7	19.8	2,293	2,398	2,515	2,772	3,167	3,564
Mahogany, African	14.8	21.8	2,490	2,623	2,771	3,063	3,499	3,935
Mahogany, true	16.7	23.4	2,645	2,795	2,962	3,280	3,748	4,216
Manni	11.5	30.2	3,653	3,757	3,872	4,231	4,835	5,439

**Table 1-9—Calculated weights of wood per thousand board feet actual measure—concluded**

Species	Approximate correction factor per 1,000 board feet for each 1 percent moisture content change		Weight (lb) per 1,000 actual board feet of various moisture content levels					
	Below 30 percent moisture content	Above 30 percent moisture content	6%	15%	25%	40%	60%	80%
	IMPORTED—continued							
Merbau	23.8	33.3	3,762	3,976	4,214	4,666	5,332	5,998
Mersawa	11.5	27.0	3,245	3,349	3,464	3,791	4,331	4,871
Mora	9.1	40.6	5,060	5,142	5,233	5,684	6,496	7,308
Obeche	10.3	15.6	1,785	1,878	1,981	2,188	2,500	2,812
Ocote pine	15.1	28.6	3,362	3,498	3,649	4,010	4,582	5,154
Okoume	9.8	17.2	2,000	2,088	2,186	2,407	2,751	3,095
Opepe	16.9	32.8	3,862	4,014	4,183	4,596	5,251	5,908
Parana pine	13.4	23.9	2,795	2,916	3,050	3,356	3,834	4,312
Pau Marfim	18.2	38.0	4,507	4,671	4,853	5,324	6,084	6,844
Peroba de campos	19.8	32.8	3,791	3,969	4,167	4,594	5,250	5,906
Peroba rosa	19.2	34.3	4,010	4,183	4,375	4,814	5,500	6,186
Primavera	13.8	20.8	2,378	2,502	2,640	2,917	3,333	3,749
Purpleheart	22.0	34.8	4,011	4,209	4,429	4,887	5,583	6,279
Ramin	13.0	27.0	3,210	3,327	3,457	3,792	4,332	4,872
Roble (Quercus)	8.7	36.4	4,528	4,606	4,693	5,102	5,829	6,557
Roble (Tabebuia)	17.5	27.0	3,102	3,260	3,435	3,792	4,332	4,872
Rosewood, Indian	26.8	39.0	4,435	4,676	4,944	5,468	6,248	7,028
Rosewood, Brazilian	28.6	41.6	4,731	4,988	5,274	5,833	6,665	7,497
Rubberwood	18.6	25.5	2,871	3,038	3,224	3,572	4,082	4,592
Sande	14.1	25.5	2,980	3,107	3,248	3,573	4,083	4,593
Santa Maria	12.7	27.0	3,216	3,330	3,457	3,791	4,331	4,871
Sapele	13.0	28.6	3,414	3,531	3,661	4,012	4,584	5,156
Sepetir	17.6	29.1	3,370	3,528	3,704	4,083	4,665	5,247
Spanish cedar	13.1	21.3	2,463	2,581	2,712	2,990	3,416	3,842
Sucupira (Bowdichia)	18.5	38.5	4,568	4,735	4,920	5,397	6,167	6,937
Sucupira (Diplotropis)	22.3	40.6	4,747	4,948	5,171	5,689	6,501	7,314
Teak	21.4	28.6	3,211	3,404	3,618	4,011	4,583	5,155
Wallaba	25.4	40.6	4,673	4,902	5,156	5,689	6,501	7,313