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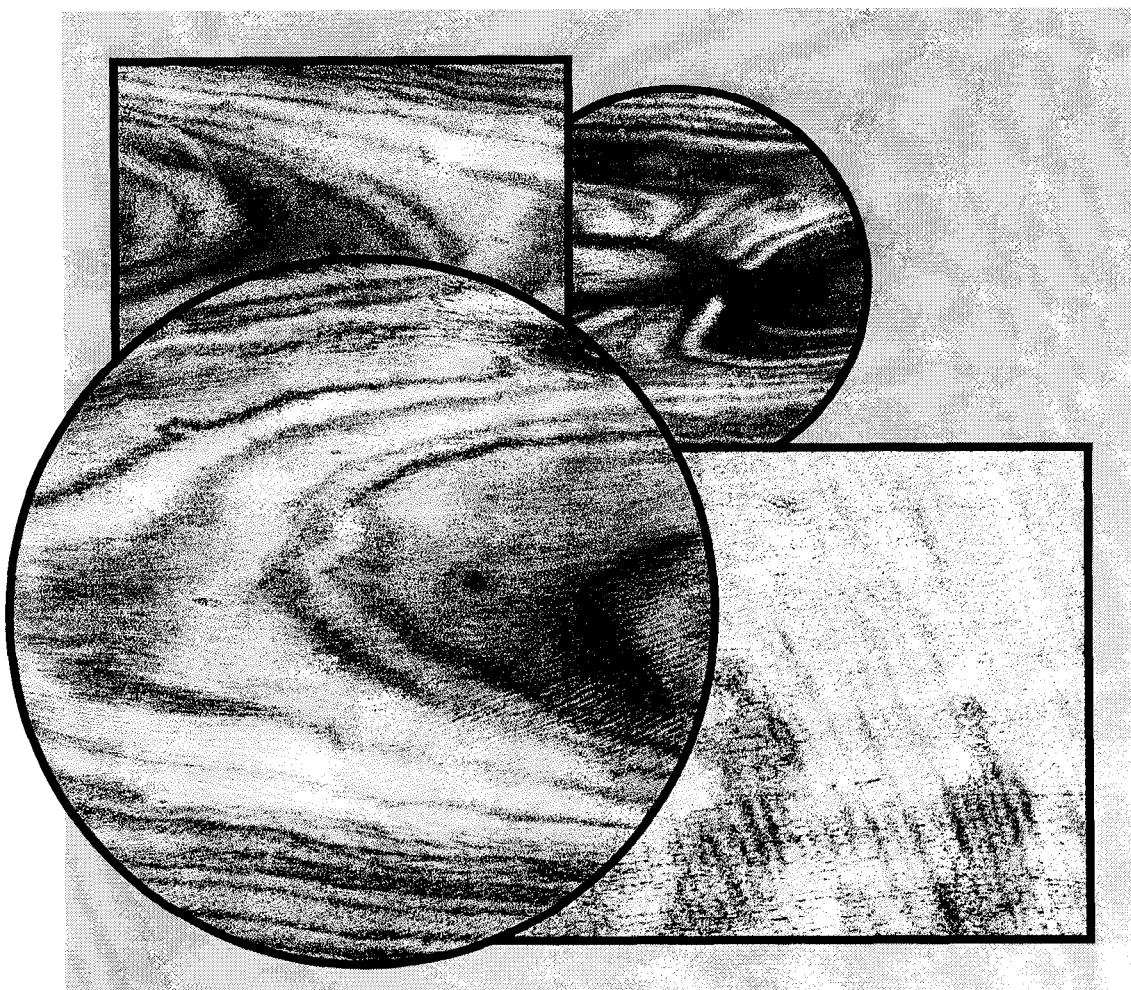
Forest
Products
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Note
FPL-RN-0263



Use of Green Moisture Content and Basic Specific Gravity to Group Tropical Woods for Kiln Drying

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Abstract

Tropical forests often contain a large number of underutilized tree species scattered so diffusely that it is impractical to harvest and dry each species individually. However, because of their varied drying characteristics, it is inefficient to indiscriminately mix species in the same dry kiln. Therefore, a grouping method that would identify species with similar drying characteristics would be beneficial. A previous study developed grouping criteria that used basic specific gravity and green moisture content as estimators of drying time. Results of this study showed that species whose estimated drying times fall within a reasonable range can be grouped together for kiln drying. The previous study applied the grouping to 650 tropical species. The purpose of the study reported here was to extend the grouping to additional tropical species, bringing the total to more than 1,300.

October 1994

Hidayat, Syarif; Simpson, William T. 1994. Use of green moisture content and basic specific gravity to group tropical woods for kiln drying. Res. Note FPL-RN-0263. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 39 p.

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Use of Green Moisture Content and Basic Specific Gravity to Group Tropical Woods for Kiln Drying

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Introduction

Temperate forests usually contain a relatively small number of species, and there is no difficulty in harvesting enough of any species in a reasonable amount of time to kiln dry each species individually. Tropical forests, however, often contain so many potentially useful species, scattered diffusely in the forest, that it is not practical to harvest and dry each species individually. Because of diverse drying characteristics, a variety of species cannot be indiscriminately mixed in the same kiln. A reasonable compromise is to group species with similar drying characteristics in the same kiln. The goal is to kiln dry so that all species in the group will emerge from the same kiln at the same time within set limits of moisture content and minimum drying defects. Previous reports (Simpson and Baah 1989, Simpson and Sagoe 1991) described a mathematical model to group species by similar estimated drying times. They applied this estimation to 650 tropical species and ranked them by relative drying times. The purpose of the study reported here was to extend the ranking to a larger number of tropical species.

Background

The species grouping method utilizes green moisture content and basic specific gravity (based on ovendry weight and green volume) as the primary inputs for estimating drying time. For the remainder of this paper, specific gravity is understood to be basic specific gravity. Board thickness can also be incorporated into this grouping method. Drying temperature and relative humidity are necessary inputs. The grouping method is based on the following mathematical model (Simpson and Baah 1989):

$$t = \frac{-L^{1.52}}{b_s} \frac{b_{T1}}{b_{T2}} \ln \frac{W_a - W_e}{W_0 - W_e} \quad (1)$$

where

t is time (day)

L board thickness (mm)

b_s empirical specific gravity coefficient (mm 1.52/day)

b_{T1} empirical temperature coefficient for $T1 = 49^\circ\text{C}$ (mmHg)

b_{T2} empirical temperature coefficient for $T2 = 38^\circ\text{C}$ to 82°C (mmHg)

W_a average moisture content at time t (percent)

W_e equilibrium moisture content (EMC) in kiln (percent)

W_0 initial moisture content (percent)

If specific gravity and initial moisture content are known, it is possible to use Equation (1) to estimate how specific gravity and initial moisture content affect relative drying times in any kiln schedule.

While searching the literature for green moisture content and specific gravity data it became apparent that often only specific gravity was listed, with no data on the characteristic green moisture content of the species. In these cases, green moisture content was estimated from specific gravity using the following empirical equation (Ali and others 1968, Simpson and Sagoe 1991):

$$M_g = \frac{1-0.65G_b}{G_b} 100(1 - \exp(AG_b + BG_b^2)) \quad (2)$$

where

M_g is green moisture content (percent)(W_0 in Eq. (1))

G_b specific gravity

A, B regression coefficients

A generalized and potentially more powerful form of Equation (2) can be developed by adding two more regression coefficients, as follows:

$$M_g = \frac{1-aG_b}{G_b} 100(1 - \exp(b + cG_b + dG_b^2)) \quad (3)$$

where a, b, c , and d are regression coefficients.

Data Collection and Analysis

Data on specific gravity and green moisture content (when available) were collected from a number of sources and are listed in Tables 1 to 3 for Africa, Asia, and Latin America. All data, together with the data collected in the previous study (Simpson and Sagoe 1991) were divided into three geographical regions: Africa, Asia, and Latin America. When green moisture content was not available it was estimated using Equations (2) and (3). The regression coefficients A and B of Equation (2) and a to d of Equation (3) were determined for the three geographical regions and tested for a significant difference between regions. If the results indicated no significant difference between the coefficients of the three regions, then only one set of coefficients representing all three regions was necessary. The general statistical formula used to test the difference between two coefficients was

$$Z = (C_i - C_j) / (\text{SE}_i^2 + \text{SE}_j^2)^{1/2} \quad (4)$$

where

C_i and C_j are the two regression coefficients

SE_i and SE_j standard errors of the regression coefficients C_i and C_j

Drying time for 29-mm-thick lumber was estimated using the kiln schedule in Table 4. To generalize the grouping, drying time of each species was transformed to a drying time index (DTI). The DTI is the ratio of the actual drying time of a species to the drying time of a species with 0.50 specific gravity and 97.5 percent green moisture content (Simpson and Segoe 1991), which is 15.4 days using the kiln schedule of Table 4. These base values of specific gravity and green moisture content were selected because they represent average conditions (Simpson and Sagoe 1991).

Results and Discussion

The combined number of data entries, including those of Simpson and Sagee (1991), is 1,918, and they are given in Tables 1 to 3 for Africa, Asia, and Latin America. The number of separate species is less than this because data for some species were found in more than one reference, and in about 200 cases, only the genus was identified. In total, we estimate about 1,300 to 1,400 species are represented. From the total number of entries, 182 were from Africa, 871 from Asia, and 865 from Latin America.

Equation (3) reduced the residual sums of squares by more than 20 percent compared with Equation (2) primarily by improving the fit at high levels of green moisture content.

Of the 182 African entries, 89 had both specific gravity and green moisture content data; 613 of the 871 Asian entries, and 609 of the 865 Latin American had both. The regression coefficients a to d of Equation (3) were determined separately for the three geographical regions and are given in Table 5. The relationships between green moisture content and specific gravity are shown in Figures 1 to 3 for Equations (2) and (3). When available, the actual green moisture content values are listed in Tables 1 to 3; otherwise, the estimated values (Eq. 3) are given. When actual values were available, estimated values are also given.

Results of the tests for differences between the regression coefficients are presented in Table 6. The coefficient a does not differ significantly (95 percent level of statistical significance) between the three regions. However, the coefficients b to d for the Asian species are significantly different from both the African and Latin American species. The differences between these coefficients for the African and Latin American species are not significant; therefore, the African and Latin American data could be combined to give regression coefficients that serve both regions. These coefficients are also shown in Table 5.

The DTI is also given for each entry in Tables 1 to 3 when the estimated green moisture content is greater than 20 percent. Relatively few entries were at the extremes of specific gravity, i.e., less than about 0.2 and greater than 1.0. Therefore, the regression was dominated by entries within that range, and the result was several unrealistic values for estimated green moisture content at high specific gravity levels. For example, for specific gravity greater than 1.1, there were several estimated green moisture content values less than 5 percent. Therefore, we considered estimated green moisture content less than 20 percent to be unreliable.

The range of DTI for all entries is between 0.2 and 1.8, although most are between 0.4 and 1.4 (Fig. 4). We can divide this range to develop species groupings. For example, the range can be divided into intervals of 0.1 DTI (equal to about 1.5 days drying time interval) to create 12 species groups whose members could be kiln dried together. These species groups are given in Table 7 and noted for each entry in Tables 1 to 3.

Conclusions

The species grouping system described here and in the previously related reports can be considered a first step in creating an objective and easily applied grouping system for kiln drying tropical species. It is perhaps oversimplified and has weak points of failure to address susceptibility to drying defects and the lack of proof that it can offer effective groupings. The failure to address drying defects can be dealt with by using conservative kiln schedules that most species will withstand. This will probably result in drying times that are longer than necessary for some species. However, considering the alternatives of indiscriminate mixing or the impractical task of drying each species separately, it may not be a serious shortcoming. The lack of proof of effectiveness is currently being researched through a field test.

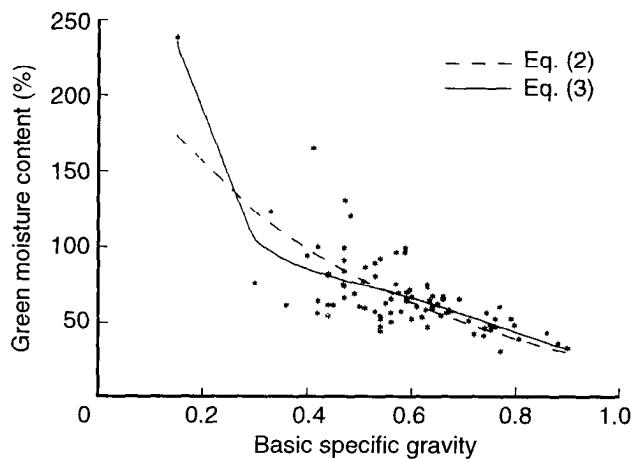


Figure 1—Relationship between basic specific gravity (G_b) and green moisture content (M_g) for African species.

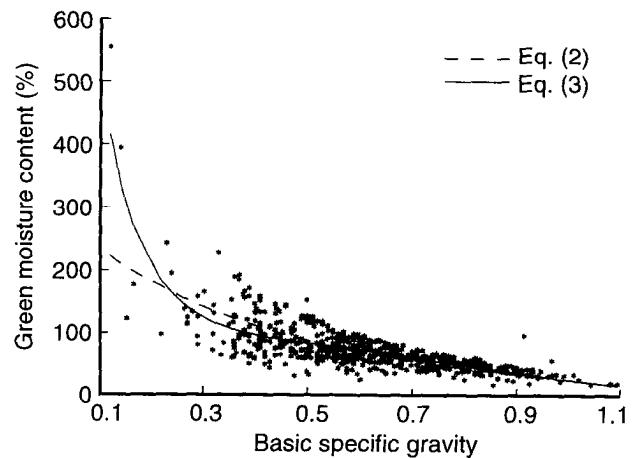


Figure 3—Relationship between basic specific gravity (G_b) and green moisture content (M_g) for Latin American species.

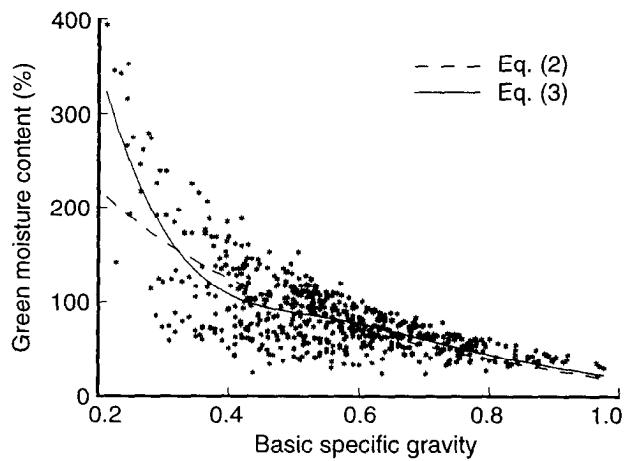


Figure 2—Relationship between basic specific gravity (G_b) and green moisture content (M_g) for Asian species.

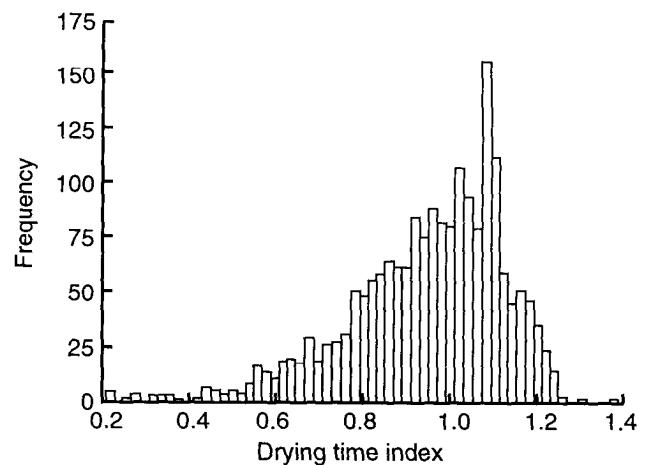


Figure 4—Frequency distribution of drying time index (DTI) for tropical species. Each frequency bar represents a DTI interval of 0.02. For example, 154 of the entries in Tables 1 to 3 had a DTI within the range 1.08 to 1.10.

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Table 1. Basic specific gravity (Gb), green moisture content (Mg), and drying time index (DTI) of African species.

Botanical Name	Common Name	Reference	Gb	Estimate Mg (%)	Actual Mg (%)	DTI	Drying Group
<i>Afzelia africana</i>	Afzelia	12	0.759	48.1		0.996	7
<i>Afzelia quanzensis</i>	Pod mahogany	24	0.580	67.7	57.0	0.869	6
<i>Afzelia quanzensis</i>	Afzelia	13	0.760	48.0	47.0	0.979	7
<i>Albizia adianthifolia</i>	Flat crown/impepe	24	0.469	78.0	75.0	0.830	6
<i>Albizia ferruginea/angolensis</i>	Iatandza	3	0.510	74.3	86.3	0.965	7
<i>Albizia versicolor</i>	Nongo	24	0.482	76.8	120.0	1.052	8
<i>Albizia adianthifolia</i>	Mepepe	12	0.527	72.7		0.914	7
<i>Albizia ferruginea</i>	Sifou-sifou	12	0.474	77.5		0.853	6
<i>Albizia lebbek</i>	Lebbek	12	0.624	63.2		0.993	7
<i>Allanblackia floribunda</i>		12	0.807	42.6		0.955	7
<i>Alstonia boonei</i>	Alstonia	13	0.330	96.8	123.0	0.736	5
<i>Alstonia boonei</i>	Sindru	7	0.290	107.9		0.616	4
<i>Alstonia congensis</i>	Alstonia	12	0.375	88.5		0.725	5
<i>Amphimas pterocarpoides</i>		12	0.726	52.0		1.011	8
<i>Amphimas spp.</i>	Lati	3	0.620	63.7	53.2	0.884	6
<i>Aningeria robusta</i>	Asanfena	18	0.540	71.5		0.927	7
<i>Anogeissus leiocarpus</i>	Kane	18	0.820	41.1		0.938	7
<i>Anopyxis klaineana</i>	White oaks	12	0.888	33.5		0.809	6
<i>Antiaris africana</i>	Kirundu	12	0.612	64.4		0.986	7
<i>Antrocaryon micraster</i>	Akoua	12	0.479	77.0		0.859	6
<i>Autranella congolensis</i>	Mukulungu	13	0.720	52.6	42.0	0.846	6
<i>Baikiaea minor</i>	Nkobakoba/hkoma	24	0.671	58.2	58.0	1.010	8
<i>Baikiaea plurijuga</i>	Rhodesian teak	24	0.752	49.0	45.0	0.936	7
<i>Berlinia auriculata</i>	Berlinia	18	0.650	60.5		1.006	8
<i>Berlinia confusa</i>	Berlinia	13	0.570	68.7	75.0	1.001	8
<i>Berlinia grandiflora</i>	Red oaks	12	0.701	54.8		1.014	8
<i>Blighia welwitschii</i>		12	0.812	42.0		0.948	7
<i>Brachylaena discolor</i>	Bosvalbos	24	0.667	58.6	56.0	0.982	7
<i>Brachylaena hutchinsii</i>	Muhuhu	13	0.770	46.9	31.0	0.635	4
<i>Brachystegia spiciformis</i>	Brachystegia	24	0.656	59.8	54.0	0.943	7
<i>Bridelia micrantha</i>		12	0.525	72.9		0.912	7
<i>Burkea africana</i>	Macarati	24	0.659	59.5	65.0	1.064	8
<i>Canarium schweinfurthii</i>	African elemi	12	0.456	79.2		0.831	6
<i>Canarium schweinfurthii</i>	Canarium	13	0.400	85.2	94.0	0.793	5
<i>Cassipourea gerrardii</i>	Bastard onionwood	24	0.529	72.5	89.0	1.014	8
<i>Cassipourea malosana</i>	Pillarwood	13	0.590	66.7	65.0	0.957	7
<i>Ceiba pentandra</i>	Onyina	7	0.230	137.7		0.539	3
<i>Ceiba pentandra</i>	Fuma	12	0.308	102.2		0.638	4
<i>Celtis africana</i>	Camdeboo stinkwood	24	0.627	62.9	58.0	0.947	7
<i>Celtis mildbraedii</i>	Celtis	18	0.800	43.4		0.962	7
<i>Celtis spp.</i>	African celtis	13	0.640	61.6	59.0	0.976	7
<i>Celtis spp.</i>	Diana/ohia	3	0.630	62.6	46.8	0.817	6
<i>Chlorophora excelsa</i>	Iroko	13	0.540	71.5	92.0	1.050	8
<i>Chlorophora excelsa</i>	Iroko	12	0.622	63.5		0.993	7
<i>Chrysophyllum africanum</i>	Longui	12	0.523	73.1		0.910	7
<i>Chrysophyllum perpulchrum</i>	Longui	12	0.748	49.5		1.004	8
<i>Cleistostolis patens</i>	Ngo-ne-nkyene	7	0.220	145.1		0.526	3
<i>Coelocaryon preussii</i>		12	0.604	65.3		0.981	7
<i>Combretodendron africanum</i>	Essia	18	0.880	34.4		0.829	6
<i>Combretodendron macrocarpum</i>	Soap tree	12	0.731	51.4		1.009	8
<i>Copaifera salikouna</i>		12	0.727	51.8		1.010	8
<i>Cordia caffra</i>	Oudehout	24	0.661	59.3	65.0	1.067	8
<i>Cordia millenii</i>	Cordia	13	0.360	90.9	61.0	0.572	3
<i>Coula edulis</i>	Walnut	12	0.985	23.5		0.429	2
<i>Croton sylvaticus</i>	Croton	24	0.508	74.4	77.0	0.909	7
<i>Cylcodiscus gabunensis</i>	Okan	12	0.854	37.2		0.882	6
<i>Cylcodiscus gabunensis</i>	Okan	13	0.790	44.6	52.0	1.095	8
<i>Cynometra alexandri</i>	Muhimbi	13	0.740	50.3	46.0	0.939	7
<i>Cynometra ananta</i>	Apome	12	0.836	39.3		0.915	7
<i>Dacryodes klaineana</i>	Adjouaba	12	0.740	50.3		1.005	8
<i>Daniellia thurifera</i>	Gum copal	12	0.609	64.8		0.985	7

Table 1 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg (%)	Actual Mg (%)	DTI	Drying Group
<i>Detarium senegalense</i>	Deta	12	0.762	47.8		0.995	7
<i>Didelotia</i> spp.	Gombe	3	0.500	75.2	60.0	0.778	5
<i>Diospyros mespiliformis</i>	African ebony	24	0.634	62.2	64.0	1.016	8
<i>Diospyros sanza-minika</i>	Ebony	12	0.784	45.2		0.977	7
<i>Distemonanthus benthamianus</i>	Movingui	12	0.624	63.2		0.993	7
<i>Ekebergia capensis</i>	Cape ash	24	0.471	77.8	74.0	0.828	6
<i>Entandrophragma angolense</i>	Gedu nohor	13	0.470	77.9	74.0	0.826	6
<i>Entandrophragma angolense</i>	Tiama	12	0.520	73.4		0.907	7
<i>Entandrophragma candolei</i>	Kosipo	12	0.688	56.3		1.014	8
<i>Entandrophragma caudatum</i>		24	0.596	66.1	71.0	1.015	8
<i>Entandrophragma cylindricum</i>	Sapele	18	0.680	57.2		1.014	8
<i>Entandrophragma cylindricum</i>	Sapele	13	0.550	70.6	62.0	0.870	6
<i>Entandrophragma utile</i>	Utile	13	0.560	69.6	50.0	0.768	5
<i>Entandrophragma utile</i>	Utile	18	0.600	65.7		0.979	7
<i>Entandrophragma utile</i>	Utile	12	0.570	68.7		0.955	7
<i>Erythrophleum ivorensis</i>	Sass wood	12	0.786	45.0		0.976	7
<i>Erythrophleum ivorensis</i>	Tali	18	0.700	54.9		1.014	8
<i>Erythrophleum</i> spp.	Missanda	13	0.900	32.2	33.0	0.803	6
<i>Erythrophleum</i> spp.	Tali	12	0.482	76.8		0.863	6
<i>Funtumia elastica</i>	Funtum	7	0.370	89.3		0.719	5
<i>Gilbertiodendron ivorensis</i>	African oak	12	0.696	55.4		1.015	8
<i>Gilbertiodendron</i> spp.	Limbali	3	0.660	59.4	66.7	1.081	8
<i>Gmelina arborea</i>	Gmelina	13	0.420	82.9	100.0	0.855	6
<i>Gonioma kamassi</i>	Kamassi/knysna boxwood	24	0.691	55.9	65.0	1.113	9
<i>Gossweilerodendron balsamiferum</i>	Tola	3	0.440	80.8	81.8	0.815	6
<i>Gossweilerodendron balsamiferum</i>	Agba	13	0.420	82.9	56.0	0.630	4
<i>Guarea cedrata</i>	Guarea	13	0.470	77.9	99.0	0.949	7
<i>Guarea thompsonii</i>	Guarea	13	0.540	71.5	52.0	0.763	5
<i>Guarea thompsonii</i>	Sweet cedar	12	0.579	67.8		0.963	7
<i>Guibourtia coleosperma</i>	Rhodesian copalwood	24	0.599	65.8	52.0	0.842	6
<i>Heritiera utilis</i> *	Niangon	13	0.540	71.5	47.0	0.707	5
<i>Heritiera utilis</i> *	Whismore	12	0.642	61.4		1.003	8
<i>Irvingia gabonensis</i>		12	0.848	38.0		0.896	6
<i>Isoberlinia angolensis</i>		24	0.675	57.7	57.0	1.004	8
<i>Khaya anthotheca</i>	African mahogany	12	0.478	77.2		0.858	6
<i>Khaya anthotheca</i>	African mahogany	13	0.440	80.8	61.0	0.695	4
<i>Khaya grandifoliola</i>	African mahogany	13	0.540	71.5	54.0	0.783	5
<i>Khaya ivorensis</i>	African mahogany	13	0.420	82.9	64.0	0.684	4
<i>Khaya ivorensis</i>	African mahogany	12	0.470	77.9		0.848	6
<i>Khaya nyasica</i>	African mahogany	13	0.470	77.9	66.0	0.776	5
<i>Khaya senegalensis</i>	Savana mahogany	18	0.650	60.5		1.006	8
<i>Klainedoxa gabonensis</i>	Eveuss	12	1.031	19.3			
<i>Lophira alata</i>	Ekki	13	0.860	36.6	43.0	1.022	8
<i>Lophira alata</i>	Iron wood	12	1.017	20.5		0.211	1
<i>Lophira alata</i>	Ekki	18	0.980	24.0		0.459	2
<i>Lovoa trichilioides</i>	Tiger wood	12	0.490	76.1		0.873	6
<i>Lovoa trichilloides</i>	Walnut, African	13	0.450	79.8	61.0	0.710	5
<i>Maesopsis eminii</i>	Musizi	13	0.410	84.0	165.0	1.010	8
<i>Mammea africana</i>	Oboto	12	0.661	59.3		1.009	8
<i>Manilkara lacera</i>	African pearwood	12	0.868	35.6		0.853	6
<i>Manilkara multinervis</i>	Bulletwood	18	0.920	30.1		0.717	5
<i>Mansonia altissima</i>	Mansonia	13	0.540	71.5	44.0	0.670	4
<i>Millettia stuhlmannii</i>	Panga-panga	24	0.769	47.0	60.0	1.174	9
<i>Mimusops heckelii</i>	Makore	12	0.570	68.7		0.955	7
<i>Mimusops heckelii</i>	Makore	18	0.640	61.6		1.002	8
<i>Monopetalanthus</i> spp.	Andoung	3	0.490	76.1	68.4	0.824	6
<i>Morus alba</i>	Moerbei	24	0.588	66.9	99.0	1.176	9
<i>Morus mesozyga</i>	Difou	12	0.827	40.3		0.928	7
<i>Musanga cecropioides</i>	Odwuma	7	0.340	94.6		0.679	4
<i>Musanga cecropioides</i>	Corkwood	12	0.222	143.5		0.529	3
<i>Nauclea didericii</i>	Opepe	13	0.630	62.6	75.0	1.102	9

Table 1 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg (%)	Actual Mg (%)	DTI	Drying Group
<i>Nauclea</i> spp.	Bilinga	3	0.650	60.5	61.5	1.016	8
<i>Nesogordonia papaverifera</i>		12	0.692	55.8		1.014	8
<i>Newtonia buchanani</i>	Muchehche	13	0.470	77.9	91.0	0.914	7
<i>Ocotea bullata</i>	Black stinkwood	24	0.630	62.6	73.0	1.086	8
<i>Ocotea usambarensis</i>	Camphorwood	13	0.510	74.3	59.0	0.785	5
<i>Olea africana</i>	Olienhou	24	0.882	34.2	36.0	0.877	6
<i>Olea capensis</i>	Black ironwood	24	0.797	43.7	48.0	1.041	8
<i>Olea hochstetteri</i>	East African olive	13	0.750	49.2	48.0	0.983	7
<i>Ongokea gore</i>	Angueuk	12	0.825	40.5		0.930	7
<i>Oxystigma oxyphyllum</i>	Tchitola	13	0.530	72.4	57.0	0.797	5
<i>Parinari curatellifolia</i>	Mobola plum	24	0.587	67.0	96.0	1.159	9
<i>Parinari</i> spp.		12	0.650	60.5		1.006	8
<i>Pentaclethra macrophylla</i>	Mubalar	12	0.914	30.8		0.739	5
<i>Pentadesma butyracea</i>	Tallow tree	12	0.788	44.8		0.975	7
<i>Pericopsis angolensis</i>	Mubanga	24	0.806	42.7	39.0	0.877	6
<i>Pericopsis elata</i>	Afromosia	13	0.650	60.5	62.0	1.021	8
<i>Piptadeniastrum africanum</i>	Dabema	3	0.590	66.7	69.5	0.994	7
<i>Piptadeniastrum africanum</i>	Dabema	12	0.696	55.4		1.015	8
<i>Piptadeniastrum africanum</i>	Dahoma	13	0.570	68.7	96.0	1.127	9
<i>Piptaderiastrum africanum</i>	Dahoma	18	0.640	61.6		1.002	9
<i>Pterocarpus angolensis</i>	Muninga	24	0.574	68.3	69.0	0.964	8
<i>Pterocarpus angolensis</i>	Muninga	13	0.590	66.7	64.0	0.949	7
<i>Pterygota bequaertii</i>	Pterygota	13	0.560	69.6	56.0	0.831	6
<i>Pterygota macrocarpa</i>	Pterygota	13	0.470	77.9		0.880	6
<i>Pycnanthus angolensis</i>	Illomba	12	0.490	76.0		0.872	6
<i>Rhizophora racemosa</i>	Red mangrove	12	0.962	25.8		0.552	3
<i>Ricinodendron rautanenii</i>	Mugongo	13	0.150	235.6	238.0	0.423	2
<i>Saccoglottis gabonensis</i>	Cherry	12	0.842	38.6		0.905	7
<i>Sclerocarya</i> spp.	Mugongo	13	0.440	80.8	81.0	0.812	6
<i>Scotellaria coriacea</i>	Odoko	13	0.560	69.6	65.0	0.910	7
<i>Scytopetalum tieghemae</i>	Sourwood	12	0.686	56.5		1.014	8
<i>Staudtia stipitata</i>	Niove	13	0.760	48.0	52.0	1.056	8
<i>Sterculia murex</i>	Lowveld chestnut	24	0.472	77.7	131.0	1.066	8
<i>Sterculia oblonga</i>	Yellow sterculia	13	0.610	64.7	60.0	0.942	7
<i>Sterculia rhinopetala</i>	Brown sterculia	13	0.640	61.6	61.0	0.996	7
<i>Sterculia rhinopetala</i>	Wawabina	7	0.760	48.0		0.995	7
<i>Strephonema pseudocola</i>		12	0.715	53.2		1.013	8
<i>Strombosia glaucescens</i>	Afina	12	0.932	28.8		0.674	4
<i>Symphonia globuliflora</i>	Ossol	12	0.492	75.9		0.875	6
<i>Terminalia amazonia</i>	Nargusta	13	0.640	61.6	67.0	1.052	8
<i>Terminalia chebula</i>		24	0.744	49.9	56.0	1.089	8
<i>Terminalia ivorensis</i>	Emire	7	0.370	89.3		0.719	5
<i>Terminalia ivorensis</i>	Idigbo	12	0.509	74.4		0.895	6
<i>Terminalia servicea</i>	Nkonola	24	0.738	50.6	41.0	0.847	6
<i>Terminalia superba</i>	Limba	12	0.507	74.6		0.892	6
<i>Testulea gabonensis</i>	Izombe	3	0.600	65.7	66.7	0.987	7
<i>Tetraberlinia tubmania</i>	Ekop	12	0.575	68.2		0.960	7
<i>Tetrapleura tetraptera</i>		12	0.567	69.0		0.953	7
<i>Tieghemella heckelii</i>	Makore	13	0.540	71.5	44.0	0.670	4
<i>Triplochiton scleroxylon</i>	Samba	12	0.350	92.6		0.692	4
<i>Triplochiton scleroxylon</i>	Obeche	18	0.450	79.8		0.823	6
<i>Triplochiton scleroxylon</i>	WaWa	7	0.190	173.7		0.484	2
<i>Triplochiton scleroxylon</i>	Obeche	13	0.300	104.7	76.0	0.542	3
<i>Uapaca guineensis</i>	Rikio	12	0.685	56.6		1.014	8
<i>Uapaca heudelotii</i>	Red cedar	12	0.610	64.7		0.985	7
<i>Uapaca paludosa</i>	Red cedar	12	0.686	56.5		1.014	8
<i>Vitex micrantha</i>		12	0.488	76.3		0.870	6
<i>Zanthoxylum capensis*</i>	Lemon thorn	24	0.750	49.2	48.0	0.983	7
<i>Zanthoxylum davyi*</i>	Knobwood	24	0.709	53.9	51.0	0.975	7
<i>Zanthoxylum macrophylla*</i>	Mafu	12	0.922	29.9		0.711	5

* Older scientific name

Terrieta spp.*Fagara* spp.

Newer scientific name

Heritiera spp.*Zanthoxylum* spp.

Table 2. Basic specific gravity (Gb), green moisture content (Mg), and drying time index (DTI) for Asian species.

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Abies pindrow	Partal	14	0.447	95.5	49.9	0.617	4
Acacia arabica	Kikar	14	0.708	59.3	63.3	1.121	9
Acacia catechu	Cutch	14	0.875	33.7	33.6	0.801	6
Acacia chundra	Red cutch	14	0.976	21.9	29.3	0.725	5
Acacia confusa	Ayangili	19	0.747	52.7	63.9	1.186	9
Acacia ferruginea	Safed khair	14	0.876	33.5	37.5	0.911	7
Acacia leucophloea	Hewar	14	0.660	67.4	53.5	0.942	7
Acacia leucophloea	Pilang	11	0.790	45.8		0.995	7
Acacia spp.	Acacia	10	0.780	47.3	58.0	1.164	9
Acer spp.	Maple	14	0.513	87.0	43.0	0.625	4
Adina cardifoia	Haldu	14	0.583	79.1	81.4	1.066	8
Adina fagifolia	Lasi	11	0.610	75.3		1.071	8
Adina microcephala	Matumi	24	0.751	52.0	49.0	1.000	8
Adina minutiflora	Berumbung	11	0.850	37.0		0.873	6
Aegele marmelos	Bel	14	0.754	51.5	41.2	0.869	6
Agathis alba	Damar minyak	10	0.410	104.1	84.0	0.771	5
Agathis alba	Agathis	11	0.480	90.6		0.931	7
Agathis baccaril	Agathis	11	0.520	86.3		0.983	7
Agathis borneensis	Agathis	11	0.470	91.9		0.918	7
Agathis hamii	Agathis	11	0.660	67.4		1.087	8
Agathis labillardieri	Agathis	11	0.470	91.9		0.918	7
Agathis loranthifolia	Agathis	11	0.590	78.2		1.057	8
Agathis philippinensis	Almaciga	19	0.410	104.1	95.4	0.818	6
Agathis phillipinensis	Agathis	11	0.480	90.6		0.931	7
Agathis spp.	Kauri	24	0.412	103.5	128.0	0.927	7
Aglaia diffusa	Malasaging	19	0.699	60.8	74.8	1.215	10
Aglaia edulis		14	0.702	60.3	23.7	0.322	1
Aglaia iloilo	Ilo-ilo	19	0.527	85.6	108.2	1.100	9
Aglaia llanosiana	Bayanti	19	0.892	31.5	43.0	1.057	8
Ailanthus grandis	Gokul	14	0.350	132.2	116.3	0.762	5
Alangium longiflorum	Malatapai	19	0.648	69.4	88.3	1.226	10
Alangium meyeri	Putian	19	0.631	72.1	88.0	1.194	9
Albizia acle *	Akle	19	0.573	80.4	106.5	1.184	9
Albizia falcata	Jeunjing	11	0.330	147.2		0.786	5
Albizia falcata	Moluccan sau	19	0.250	247.9	192.2	0.656	4
Albizia lebbek	Koroi	1	0.620	73.8	90.0	1.186	9
Albizia lebbek	Langil	19	0.658	67.8	87.1	1.236	10
Albizia lebbek	Kokko	14	0.549	83.2	73.6	0.957	7
Albizia procera	Akleng-parang	19	0.591	78.0	97.5	1.174	9
Albizia moluccana	Batai	10	0.380	115.5	72.0	0.663	4
Albizia odoratissima	Black Siris	14	0.632	72.0	87.9	1.195	9
Albizia procera	White siris	14	0.579	79.6	96.2	1.145	9
Albizia procera	Weru	11	0.770	48.9		1.022	8
Albizia saman *	Trembesi	11	0.610	75.3		1.071	8
Albizia saman *	Raintree	19	0.462	93.0	152.8	1.104	9
Aleurites moluccana	Kemiri	11	0.310	165.8		0.771	5
Aleurites moluccana	Lumbang	19	0.246	255.1	314.9	0.745	5
Aleurites trisperma	Bagilumbang	19	0.427	99.6	138.3	0.988	7
Alnus nepalensis	Indian alder	14	0.319	157.0	88.4	0.619	4
Alphitonia philippinensis	Tulo	19	0.395	109.2	139.3	0.918	7
Alphonsea arborea	Bolon	19	0.691	62.2	64.3	1.106	9
Alseodaphne umbaliflora	Medang	11	0.520	86.3		0.983	7
Alseodaphne insignis	Medang	10	0.580	79.5	45.0	0.731	5
Alseodaphne longipes	Babulo	19	0.486	89.9	103.6	0.999	7
Alstonia angustiloba	Pulai	11	0.350	132.2		0.801	6
Alstonia angustiloba	Pulai	10	0.350	132.2	105.0	0.731	5
Alstonia macrophylla	Batino	19	0.605	76.1	100.0	1.214	10
Alstonia pneumatophora	Pulai	11	0.340	139.3		0.794	5
Alstonia scholaris	Shaitan wood	14	0.361	125.4	74.1	0.640	4
Alstonia scholaris	Pulai	11	0.350	132.2		0.801	6
Alstonia scholaris	Dita	19	0.360	126.0	137.3	0.835	6
Altingia excelsa	Jutili	14	0.667	66.3	64.5	1.071	8
Altingia excelsa	Rasamala	11	0.810	42.7		0.960	7

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Amoora aherniana	Kato	19	0.584	79.0	103.7	1.192	9
Amoora macrocarpa	Katong-lakihan	19	0.545	83.7	98.8	1.093	8
Amoora rohituka	Amoora	14	0.576	80.0	89.9	1.105	9
Amoora rugbiginosa	Bekak	10	0.700	60.6	65.0	1.126	9
Amoora wallichii	Amoora	14	0.496	88.8	76.3	0.884	6
Anisoptera aurea	Dagang	19	0.532	85.1	113.7	1.133	9
Anisoptera brunnea	Afu	19	0.540	84.2	106.6	1.119	9
Anisoptera costata	Mersawa	11	0.610	75.3		1.071	8
Anisoptera glabra	Kaunghmu	14	0.475	91.3	117.8	1.030	8
Anisoptera grossivenia	Mersawa	11	0.730	55.5		1.063	8
Anisoptera laevis	Mersawa	10	0.490	89.5	104.0	1.009	8
Anisoptera marginata	Mersawa	10	0.490	89.5	104.0	1.009	8
Anisoptera marginata	Mersawa	11	0.640	70.7		1.084	8
Anisoptera thurifera	Palosapis	19	0.532	85.1	108.5	1.111	9
Anogeissus acuminata	Phasi	14	0.739	54.0	34.8	0.714	5
Anogeissus latifolia	Bakli	14	0.828	40.1	31.9	0.709	5
Anogeissus pendula	Kardhai	14	0.795	45.0	26.8	0.504	3
Anogeissus sericea		14	0.738	54.2	37.2	0.769	5
Anthocephalus cadamba	Kelempayan	10	0.370	120.4	108.0	0.781	5
Anthocephalus cadamba	Kadam	14	0.419	101.6	76.5	0.752	5
Anthocephalus cadamba	Kadam	1	0.530	85.3	99.0	1.065	8
Anthocephalus chinensis	Jabon	11	0.420	101.3		0.860	6
Anthocephalus chinensis	Kaaloon bangkal	19	0.332	145.6	173.2	0.836	6
Anthocephalus chinensis	Laran	13	0.380	115.5	138.0	0.881	6
Antidesma pleuricum	Bignai-kalabau	19	0.593	77.8	94.0	1.159	9
Aphanamixis cumingiana	Salakin	19	0.581	79.4	86.2	1.092	8
Aphanamixis perrottetiana	Kangko	19	0.511	87.2	110.3	1.076	8
Artocarpus blancoi	Antipolo	19	0.422	100.8	135.7	0.970	7
Artocarpus chaplasha	Chapalish	1	0.400	107.4	130.0	0.906	7
Artocarpus chaplasha	Chaplash	14	0.447	95.5	139.7	1.036	8
Artocarpus elasticus	Terap	11	0.440	96.8		0.882	6
Artocarpus hirsuta	Aini	14	0.516	86.7	79.6	0.938	7
Attocarpus integrifolia	Kathal	14	0.531	85.2	108.1	1.107	9
Artocarpus lanceifolius	Keledang	10	0.620	73.8	63.0	0.985	7
Artocarpus ovata	Anubing	19	0.470	91.9	127.3	1.051	8
Artocarpus rigidus	Keledang	10	0.480	90.6	95.0	0.951	7
Artocarpus scortechinii	Terap	10	0.430	98.9	70.0	0.736	5
Bassia butyracea	Hill mahua	14	0.632	72.0	84.6	1.173	9
Bassia latifolia	Mahua	14	0.737	54.3	61.4	1.143	9
Berrya ammonilla	Trincomalee wood	14	0.772	48.6	39.0	0.842	6
Bischofia javanica	Bishop wood	14	0.551	83.0	106.7	1.141	9
Bischofia javanica	Gadog	11	0.750	52.2		1.046	8
Bischofia javanica	Tuad	19	0.525	85.8	124.3	1.158	9
Bischofia javanica	Bhadi	1	0.600	76.8	84.0	1.113	9
Bischofia javanica	Bishopwood	24	0.521	86.2	94.0	1.024	8
Blumeodendron tokbrai	Gaham badak	10	0.560	82.0	82.0	1.030	8
Bombax ceiba *	Simul	1	0.340	139.3	126.0	0.765	5
Bombax ceiba *	Semul	14	0.329	148.1	121.5	0.730	5
Bombax insigne	Semul	14	0.313	162.7	124.0	0.701	5
Bombax malabarica *	Malabulak	19	0.324	152.4	197.4	0.852	6
Bombycidendron vidalianum	Vidal lanutan	19	0.532	85.1	93.7	1.043	8
Boswellia serrata	Salai	14	0.498	88.6	111.5	1.055	8
Bridelia retusa	Kasi	14	0.499	88.5	116.3	1.075	8
Bruguiera gymnorhiza	Bakau	11	0.940	25.8		0.540	3
Buchanania latifolia	Char	14	0.458	93.6	101.3	0.935	7
Bucklandia populnea	Pipli	14	0.552	82.9	78.8	0.996	7
Calophyllum blancoi	Bitanghol	19	0.510	87.3	117.2	1.101	9
Calophyllum curtisii	Bintangor	10	0.510	87.3	75.0	0.900	7
Calophyllum inophyllum	Bintangur	11	0.690	62.3		1.084	8
Calophyllum inophyllum	Bitaog	19	0.572	80.5	77.0	1.018	8
Calophyllum inophyllum	Bintangor	10	0.540	84.2	44.0	0.670	4
Calophyllum pulcherrimum	Bintangur	11	0.770	48.9		1.022	8
Calophyllum retusum	Bintangor	10	0.450	94.9	66.0	0.744	5

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Calophyllum soulatri</i>	Bintangur	11	0.540	84.2		1.007	8
<i>Calophyllum spp.</i>	Poon	14	0.532	85.1	88.4	1.016	8
<i>Calophyllum tomentosum</i>	Poon	14	0.516	86.7	58.1	0.786	5
<i>Calophyllum wightianum</i>	Poon	14	0.569	80.9	86.7	1.074	8
<i>Campnosperma auriculata</i>	Terentang	11	0.400	107.4		0.840	6
<i>Campnosperma auriculata</i>	Terentang	10	0.300	176.5	121.0	0.666	4
<i>Campnosperma macrophylla</i>	Terentang	11	0.480	90.6		0.931	7
<i>Campnosperma macrophylla</i>	Terentang	10	0.330	147.2	80.0	0.610	4
<i>Cananga odorata</i>	Ilang-ilang	19	0.291	187.1	225.3	0.799	5
<i>Cananga odorata</i>	Kenanga	11	0.330	147.2		0.786	5
<i>Canarium asperum</i>	Pagsahingin	19	0.601	76.6	79.8	1.087	8
<i>Canarium asperum</i>	Kenari	11	0.610	75.3		1.071	8
<i>Canarium bengalense</i>		14	0.557	82.3	30.7	0.460	2
<i>Canarium calophyllum</i>	Pagsahingin-bulog	19	0.500	88.4	109.3	1.050	8
<i>Canarium euphyllum</i>	Dhup	14	0.357	127.8	65.4	0.592	3
<i>Canarium hirsutum</i>	Dulit	19	0.397	108.5	163.6	0.976	7
<i>Canarium luzonicum</i>	Piling-liitan	19	0.489	89.6	98.7	0.984	7
<i>Canarium rufum</i>	Kedondong	10	0.470	91.9	85.0	0.885	6
<i>Canarium strictum</i>	Dhup	14	0.532	85.1	62.0	0.843	6
<i>Canarium vrieseanum</i>	Gisau	19	0.562	81.7	96.1	1.112	9
<i>Canthium monstrosum</i>	Tadiang-anuang	19	0.422	100.8	138.6	0.977	7
<i>Cantleya corniculata</i>	Bedaru	11	1.040	15.6			
<i>Carallia lucida</i>	Maniawga	14	0.624	73.2	66.1	1.019	8
<i>Carapa mollucensis</i>	Pussur	14	0.670	65.7	45.0	0.839	5
<i>Careya arborea</i>	Kumbi	14	0.644	70.1	71.4	1.096	8
<i>Cassia fistula</i>	Cana-fistula	19	0.709	59.1	75.0	1.233	10
<i>Cassia fistula</i>	Amaltas	14	0.746	52.8	60.2	1.143	9
<i>Cassia javanica</i>	Antsoan	19	0.685	63.2	79.4	1.228	10
<i>Cassia siamea</i>	Johar	11	0.840	38.4		0.898	6
<i>Cassia spectabilis</i>	Antsoan-dilau	19	0.484	90.2	134.8	1.104	9
<i>Castanopsis hystrix</i>	Indian chesnut	14	0.515	86.8	111.8	1.090	8
<i>Castanopsis argentea</i>	Saninten	11	0.730	55.5		1.063	8
<i>Casuarina equisetifolia</i>	Agoho	19	0.841	38.3	54.5	1.200	10
<i>Casuarina equisetifolia</i>	Casuarina	14	0.693	61.8	36.7	0.714	5
<i>Casuarina junghuhniana</i>	Cemara	11	1.120	8.7			
<i>Casuarina sumatrana</i>	Cemara	11	1.140	7.1			
<i>Cedrela serrata</i>	Toon	14	0.474	91.4	65.1	0.776	5
<i>Cedrela toona</i>	Toon	14	0.424	100.3	109.0	0.895	6
<i>Cedrus deodara</i>	Deodar	14	0.468	92.2	44.7	0.592	3
<i>Ceiba malabarica *</i>	Kapuk hutan	11	0.300	176.5		0.762	5
<i>Ceiba pentandra</i>	Kapok	19	0.226	294.9	344.6	0.702	5
<i>Celtis luzonica</i>	Magabuyo	19	0.488	89.7	131.0	1.101	9
<i>Chisocheton cumingianus</i>	Balukamag	19	0.520	86.3	116.9	1.120	9
<i>Chisocheton pentandrus</i>	Katong-matsin	19	0.518	86.5	127.2	1.153	9
<i>Chlorophora excelsa</i>	Iroko	13	0.540	84.2	92.0	1.050	8
<i>Chloroxylon swietenia</i>	Satinwood	19	0.758	50.9	45.6	0.953	7
<i>Chloroxylon swietenia</i>	Satinwood	14	0.834	39.2	33.7	0.769	5
<i>Chukrasia tabularis</i>	Chickrassy	1	0.580	79.5	90.0	1.113	9
<i>Chukrasia tabularis</i>	Chickrassy	14	0.514	86.9	55.8	0.763	5
<i>Cinnamomum camphora</i>	Camphor wood	24	0.435	97.8	77.0	0.783	5
<i>Cinnamomum iners</i>	Cinnamon	14	0.508	87.5	66.3	0.839	6
<i>Cinnamomum inunctum</i>	Cinnamon	14	0.573	80.4	69.3	0.965	7
<i>Cinnamomum parthenoxylon</i>	Medang	11	0.630	72.3		1.081	8
<i>Citrus grandis</i>	Lukban	19	0.592	77.9	96.7	1.172	9
<i>Cleidion spiciflorum</i>	Santiki	19	0.495	88.9	139.9	1.144	9
<i>Cleistocalyx operculatus</i>	Malaruhat	19	0.664	66.8	76.8	1.173	9
<i>Colona serratifolia</i>	Anilau	19	0.389	111.6	134.9	0.894	6
<i>Combretocarpus rotundatus</i>	Perepat darat	11	0.760	50.5		1.034	8
<i>Combretodendron quadrialatum</i>	Toog	19	0.570	80.8	99.2	1.143	9
<i>Cordia subcordata</i>	Salimuli	11	0.640	70.7		1.084	8
<i>Cotylelobium burckii</i>	Giam	11	1.010	18.4			
<i>Cotylelobium malayanum</i>	Giam	11	0.970	22.5		0.357	1
<i>Cotylelobium melanoxyylon</i>	Giam	11	0.990	20.4		0.197	1

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Cratoxylon arborescens</i>	Gerunggang	11	0.470	91.9		0.918	7
<i>Cratoxylon arborescens</i>	Gerunggang	10	0.380	115.5	106.0	0.795	5
<i>Cryptocarya liebertiana</i>	Wild quince	24	0.497	88.7	97.0	0.992	7
<i>Cryptomeria japonica</i>	Suji	14	0.229	288.5	141.7	0.543	3
<i>Ctenolophon parvifolius</i>	Mertas	10	0.760	50.5	50.0	1.027	8
<i>Cubilia cubili</i>	Kubili	19	0.486	89.9	116.6	1.049	8
<i>Cullenia ceylanica</i>	Kataboda	13	0.510	87.3	39.0	0.568	3
<i>Cullenia excelsa</i>	Karani	14	0.532	85.1	40.9	0.619	4
<i>Cupressus torulosa</i>	Cypress devidiar	14	0.437	97.4	25.3	0.248	1
<i>Cyathocalyx maingayi</i>	Pisang-pisang	10	0.500	88.4	43.0	0.610	4
<i>Cynometra polyandra</i>	Ping	14	0.757	51.0	49.4	1.014	8
<i>Cynometra ramiflora</i>	Balikbikan	19	0.697	61.1	75.2	1.215	10
<i>Dacrydium baccarii</i>	Melur	11	0.540	84.2		1.007	8
<i>Dacrydium junghuhnii</i>	Melur	11	0.620	73.8		1.076	8
<i>Dacryodes rastrata</i>	Kenari	11	0.660	67.4		1.087	8
<i>Dacryodes rugose</i>	Kenari	11	0.840	38.4		0.898	6
<i>Dactylocladus stenostachys</i>	Mentibu	11	0.530	85.3		0.995	7
<i>Dalbergia cultrata</i>	Yindaik	14	0.766	49.6	50.2	1.037	8
<i>Dalbergia latifolia</i>	Sonokeling	11	0.830	39.8		0.920	7
<i>Dalbergia latifolia</i>	Indian rosewood	14	0.660	67.4	74.5	1.148	9
<i>Dalbergia sissoo</i>	Sissoo	14	0.678	64.4	61.8	1.061	8
<i>Dehaasia caesis</i>	Medang	11	0.820	41.3		0.942	7
<i>Dehaasia cuneata</i>	Medang	11	0.770	48.9		1.022	8
<i>Dehaasia nigrescens</i>	Medang tandok	10	0.510	87.3	66.0	0.840	6
<i>Dehaasia triandra</i>	Margapali	19	0.643	70.2	71.4	1.095	8
<i>Dialium patens</i>	Keranji	10	0.970	22.5	31.0	0.789	5
<i>Dialium platysepalum</i>	Keranji	11	0.900	30.5		0.718	5
<i>Dialium platysepalum</i>	Keranji	10	0.750	52.2	63.3	1.184	9
<i>Dialium wallichii</i>	Keranji	10	0.840	38.4	44.0	1.019	8
<i>Dichopsis elliptica</i>	Pali	14	0.533	84.9	41.9	0.634	4
<i>Dichopsis polyantha</i>	Tali	14	0.594	77.6	76.8	1.054	8
<i>Dillenia eximia</i>	Simpur jangkang	11	0.800	44.2		0.978	7
<i>Dillenia grandifolia</i>	Simpoh	10	0.620	73.8	59.0	0.947	7
<i>Dillenia indica</i>	Chalta	14	0.524	85.9	80.9	0.960	7
<i>Dillenia luzoniensis</i>	Malakatmon	19	0.683	63.5	77.7	1.212	10
<i>Dillenia megalantha</i>	Katmon-bayani	19	0.689	62.5	75.2	1.201	10
<i>Dillenia pentagyna</i>	Dillenia	14	0.531	85.2	62.6	0.846	6
<i>Dillenia philippinensis</i>	Katmon	19	0.566	81.2	108.3	1.178	9
<i>Diospyros celebica</i>	Eboni	11	1.090	11.1			
<i>Diospyros ebenum</i>	Eboni	11	0.920	28.1		0.636	4
<i>Diospyros femea</i>	Eboni	11	1.050	14.6			
<i>Diospyros inclusa</i>	Anang-gulod	19	0.677	64.6	74.0	1.172	9
<i>Diospyros iolin</i>	Eboni	11	1.020	17.4			
<i>Diospyros melanoxylon</i>	Eboni	14	0.678	64.4	52.4	0.953	7
<i>Diospyros mindanaensis</i>	Ata-ata	19	0.691	62.2	64.7	1.110	9
<i>Diospyros nitida</i>	Katilma	19	0.706	59.6	66.6	1.151	9
<i>Diospyros philippensis</i>	Kamagong	19	0.800	44.2	60.9	1.229	10
<i>Diospyros pilosanthera</i>	Eboni	11	0.840	38.4		0.898	6
<i>Diospyros poncei</i>	Ponce kamagong	19	0.813	42.3	56.4	1.189	9
<i>Diospyros pyrrhocarpa</i>	Anang	19	0.590	78.2	84.9	1.101	9
<i>Diospyros pyrrhocarpa</i>	Ebony	14	0.703	60.1	44.8	0.875	6
<i>Diospyros rumphii</i>	Eboni	11	1.030	16.5			
<i>Diplodiscus paniculatus</i>	Balobo	19	0.632	72.0	81.0	1.149	9
<i>Dipterocarpus acutangulus</i>	Keruing	13	0.600	76.8	63.0	0.955	7
<i>Dipterocarpus alutus</i>	Gurjan	14	0.574	80.3	73.4	0.997	7
<i>Dipterocarpus basilanicus</i>	Basilan apitong	19	0.558	82.2	93.6	1.092	8
<i>Dipterocarpus baudii</i>	Keruing	10	0.620	73.8	65.0	1.004	8
<i>Dipterocarpus borneensis</i>	Keruing	11	0.800	44.2		0.978	7
<i>Dipterocarpus bourdillonii</i>		14	0.577	79.9	61.0	0.902	7
<i>Dipterocarpus cauciferus</i>	Keruing	11	0.690	62.3		1.084	8
<i>Dipterocarpus caudatus</i>	Leaf-tailed panau	19	0.610	75.3	64.1	0.980	7
<i>Dipterocarpus caudiferus</i>	Keruing	13	0.510	87.3	75.0	0.900	7
<i>Dipterocarpus confertus</i>	Keruing	11	0.800	44.2		0.978	7

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Dipterocarpus cornutus	Keruing	10	0.650	69.1	51.0	0.898	6
Dipterocarpus cornutus	Keruing	11	0.820	41.3		0.942	7
Dipterocarpus costulatus	Keruing	11	0.820	41.3		0.942	7
Dipterocarpus costulatus	Keruing	11	0.900	30.5		0.718	5
Dipterocarpus crinitus	Keruing	13	0.770	48.9	45.0	0.957	7
Dipterocarpus gracilis	Panau	19	0.605	76.1	80.5	1.099	8
Dipterocarpus gracilis	Keruing	11	0.730	55.5		1.063	8
Dipterocarpus grandiflorus	Gurjan	14	0.606	75.9	67.4	1.002	8
Dipterocarpus grandiflorus	Apitong	19	0.628	72.6	81.5	1.145	9
Dipterocarpus grandiflorus	Keruing	11	0.840	38.4		0.898	6
Dipterocarpus griffithii	Gurjan	14	0.620	73.8	60.4	0.961	7
Dipterocarpus indicus	Gurjan	14	0.618	74.2	68.7	1.032	8
Dipterocarpus kerrii	Gurjan	14	0.616	74.5	55.9	0.909	7
Dipterocarpus kerrii	Malapanau	19	0.560	82.0	90.6	1.079	8
Dipterocarpus kunstleri	Keruing	11	0.770	48.9		1.022	8
Dipterocarpus lowii	Keruing	11	0.880	33.0		0.787	5
Dipterocarpus lowii	Keruing	10	0.670	65.7	52.0	0.937	7
Dipterocarpus macrocarpus	Hollong	14	0.595	77.5	70.2	1.007	8
Dipterocarpus pilosus	Garjan	1	0.640	70.7	80.0	1.156	9
Dipterocarpus retusus	Keruing	11	0.730	55.5		1.063	8
Dipterocarpus speciosus	Broad-winged apitong	19	0.542	84.0	95.8	1.073	8
Dipterocarpus spp.	Gurjam	20	0.606	75.9	80.0	1.097	8
Dipterocarpus spp.	Keruing	13	0.620	73.8	52.0	0.870	6
Dipterocarpus tuberculatus	Eng	14	0.726	56.2	50.3	0.987	7
Dipterocarpus turbinatus	Gurjan	14	0.655	68.3	65.7	1.064	8
Dipterocarpus verrucosus	Keruing	11	0.820	41.3		0.942	7
Dipterocarpus warburgii	Hagakhak	19	0.525	85.8	95.1	1.037	8
Dipterocarpus zeylanicus	Hora	13	0.650	69.1	67.0	1.068	8
Dracontomelon dao	Dao	19	0.546	83.5	87.3	1.036	8
Dracontomelon dao	Dahu	11	0.630	72.3		1.081	8
Dracontomelon edule	Lamio	19	0.459	93.5	136.1	1.053	8
Dracontomelon mangiferum	Dahu	11	0.580	79.5		1.049	8
Dryobalanops aromatica	Kapur	10	0.650	69.1	55.0	0.946	7
Dryobalanops aromatica	Kapur	11	0.810	42.7		0.960	7
Dryobalanops baccarii	Kapur	11	0.780	47.3		1.009	8
Dryobalanops beccarii	Kapur	13	0.580	79.5	64.0	0.933	7
Dryobalanops fusca	Kapur	11	0.840	38.4		0.898	6
Dryobalanops keithii	Kapur	13	0.600	76.8	73.0	1.037	8
Dryobalanops lanceolata	Kapur	13	0.580	79.5	64.0	0.933	7
Dryobalanops lanceolata	Kapur	11	0.740	53.8		1.054	8
Dryobalanops oblongifolia	Petanang	11	0.750	52.2		1.046	8
Dryobalanops oblongifolia	Kapur	10	0.590	78.2	70.0	0.998	7
Dryobalanops rapa	Kapur	11	0.820	41.3		0.942	7
Dryptes bordenii	Balikbikan	19	0.754	51.5	65.0	1.208	10
Duabanga moluccana	Benuang laki	11	0.390	111.2		0.832	6
Duabanga sonneratoides	Lampati	14	0.429	99.1	118.6	0.936	7
Duabanga sonneratoides	Bandarholo	1	0.430	98.9	120.0	0.942	7
Durio carinatus	Durian	11	0.580	79.5		1.049	8
Durio oxleyanus	Durian	11	0.610	75.3		1.071	8
Durio oxleyanus	Durian	10	0.500	88.4	87.0	0.950	7
Durio zibethinus	Durian	19	0.435	97.8	145.3	1.024	8
Durio zibethinus	Durian	11	0.570	80.8		1.040	8
Dyera costulata	Jelutong	10	0.360	126.0	61.0	0.572	3
Dyera costulata	Jelutung	11	0.430	98.9		0.870	6
Dyera lowii	Jelutung	11	0.360	126.0		0.808	6
Dysoxylum altissimum	Kuling-babui	19	0.424	100.3	136.4	0.976	7
Dysoxylum decandrum	Igyo	19	0.507	87.6	125.0	1.122	9
Dysoxylum densiflorum	Cempaga	11	0.710	58.9		1.076	8
Dysoxylum euphlebium	Miau	19	0.637	71.2	74.9	1.113	9
Dysoxylum malabaricum	White cedar	14	0.581	79.4	45.2	0.735	5
Elaeocarpus tuberculatus	Rudraksh	14	0.403	106.4	116.7	0.875	6
Elateriospermum tapos	Perah	10	0.740	53.8	39.0	0.809	6
Elmelliria mollis	Cempaka	11	0.450	94.9		0.893	6

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Elmelliria ovalis</i>	Cempaka	11	0.430	98.9		0.870	6
<i>Endiandra laxiflora</i>	Usuang-saha	19	0.536	84.6	109.7	1.124	9
<i>Endospermum peltatum</i>	Gubas	19	0.305	171.0	191.0	0.795	5
<i>Endospermum mallacense</i>	Sendok-sendok	11	0.450	94.9		0.893	6
<i>Engelhardtia spicata</i>	Moglaipoma	14	0.460	93.3	107.3	0.962	7
<i>Epicharis cimingiana</i>	Tara-tara	19	0.729	55.7	63.7	1.157	9
<i>Erythrina fusca</i>	Anii	19	0.254	241.0	274.4	0.740	5
<i>Erythrina subumbrans</i>	Rarang	19	0.236	274.1	341.4	0.731	5
<i>Erythrophleum densiflorus</i>	Kamatog	19	0.687	62.9	83.1	1.259	10
<i>Eucalyptus alba</i>	Ampupu	11	0.890	31.7		0.752	5
<i>Eucalyptus deglupta</i>	Leda	11	0.570	80.8		1.040	8
<i>Eucalyptus eugenoides</i>	Eucalyptus	14	0.671	65.6	78.8	1.200	10
<i>Eucalyptus globulus</i>	Eucalyptus	14	0.676	64.7	52.4	0.950	7
<i>Eugenia gardneri</i>	Jaman	14	0.758	50.9	53.7	1.077	8
<i>Eugenia griffithii</i>	Kelat	10	0.660	67.4	62.0	1.036	8
<i>Eugenia jambolana</i>	Jaman	14	0.647	69.6	70.5	1.094	8
<i>Eugenia</i> spp.	Jaman	14	0.678	64.4	70.1	1.140	9
<i>Eusideroxylon zwageri</i>	Belian	13	0.860	35.6	40.0	0.956	7
<i>Eusideroxylon zwageri</i>	Ulin	11	1.040	15.6			
<i>Evodia aromatica</i>	Salimuli	11	0.430	98.9		0.870	6
<i>Fagraea fragrans</i>	Tembesu	11	0.810	42.7		0.960	7
<i>Fagraea sogoria</i>	Tembesu	11	0.660	67.4		1.087	8
<i>Ficus benjamina</i>	Salisi	19	0.649	69.2	81.0	1.178	9
<i>Ficus botryocarpa</i>	Basikong	19	0.430	98.9	159.7	1.046	8
<i>Ficus minahassae</i>	Hagimit	19	0.419	101.6	188.0	1.077	8
<i>Ficus varietata</i>	Tangisang-bayaauak	19	0.282	198.6	273.8	0.820	6
<i>Fraxinus excelsior</i>	Ash	14	0.600	76.8	33.4	0.556	3
<i>Fraxinus micrantha</i>	Ash	14	0.605	76.1	52.7	0.858	6
<i>Ganua motleyana</i>	Nyatoh	11	0.440	96.8		0.882	6
<i>Ganua motleyana</i>	Nyatoh	10	0.400	107.4	52.0	0.571	3
<i>Gardenia gummifera</i>	Gardenia	14	0.607	75.8	57.3	0.911	7
<i>Gardenia latifolia</i>	Gardenia	14	0.635	71.5	24.2	0.313	1
<i>Gardenia turgida</i>	Gardenia	14	0.636	71.4	39.9	0.717	5
<i>Garuga pinnata</i>	Garuga	14	0.511	87.2	106.8	1.062	8
<i>Gluta rengas</i>	Rengas	11	0.690	62.3		1.084	8
<i>Gluta trinerviorum</i>	Gluta	14	0.621	73.7	63.3	0.990	7
<i>Gmelina arborea</i>	Gamari	1	0.430	98.9	120.0	0.942	7
<i>Gmelina arborea</i>	Gamari	13	0.432	98.7	137.3	0.996	7
<i>Gmelina arborea</i>	Yemanee	10	0.410	104.1	161.0	1.002	8
<i>Gmelina arborea</i>	Gmelina	24	0.395	109.2	153.0	0.949	7
<i>Gnetum gnemon</i>	Meninjau	10	0.570	80.8	55.0	0.835	6
<i>Gonocaryum calleryanum</i>	Taingang-babui	19	0.639	70.9	84.0	1.182	9
<i>Gonosty whole</i>	Ramin	11	0.630	72.3		1.081	8
<i>Gonosty whole</i>	Ramin	10	0.560	82.0	48.0	0.745	5
<i>Gonosty whole</i>	Lanutan-bagyo	19	0.528	85.5	98.4	1.058	8
<i>Grevillea robusta</i>	Grevillea	24	0.495	88.9	116.0	1.065	8
<i>Grewia multiflora</i>	Danglin	19	0.462	93.0	109.9	0.975	7
<i>Grewia tiliaceifolia</i>	Dhaman	14	0.651	68.9	80.2	1.176	9
<i>Grewia vestita</i>	Daman	14	0.606	75.9	57.6	0.912	7
<i>Hardwickia binata</i>	Anjan	14	0.733	55.0	57.0	1.086	8
<i>Hardwickia pinnata</i>	Piney	14	0.528	85.5	87.7	1.005	8
<i>Harpullia arborea</i>	Uas	19	0.623	73.4	74.9	1.089	8
<i>Heritiera javanica</i>	Palapi	11	0.740	53.8		1.054	8
<i>Heritiera javanica</i> *	Mengkulang	10	0.500	88.4	51.0	0.699	4
<i>Heritiera minor</i>	Sundri	14	0.792	45.5	56.3	1.159	9
<i>Heritiera simplicifolia</i> *	Mengkulang	10	0.580	79.5	53.0	0.828	6
<i>Heritiera simplicifolia</i>	Palapi	11	0.550	83.1		1.019	8
<i>Heritiera simplicifolia</i>	Mengkulang	13	0.515	86.8	61.5	0.813	6
<i>Heritiera spp.</i>	Sundri	14	0.694	61.7	68.2	1.148	9
<i>Heritiera sylvatica</i> *	Dungon	19	0.778	47.6	61.8	1.208	10
<i>Heterophragma adenophyllum</i>	Karenwood	14	0.726	56.2	50.5	0.990	7
<i>Heterophragma roxburghii</i>	Palang	14	0.525	85.8	90.8	1.016	8
<i>Hevea brasiliensis</i>	Rubberwood	13	0.570	80.8	54.0	0.825	6

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Hevea brasiliensis</i>	Para rubber	19	0.532	85.1	117.0	1.146	9
<i>Hevea brasiliensis</i>	Rubberwood	10	0.570	80.8	52.0	0.803	6
<i>Hibiscus tiliaceus</i>	Malubago	19	0.571	80.6	119.0	1.234	10
<i>Holarrhena antidyserterica</i>	Kuda	14	0.445	95.8	76.2	0.796	5
<i>Holoptelea integrifolia</i>	Kanju	14	0.498	88.6	81.9	0.919	7
<i>Homalanthus populneus</i>	Balanti	19	0.381	115.0	168.5	0.948	7
<i>Homalium foetidum</i>	Gia	11	0.910	29.3		0.679	4
<i>Homalium longifolium</i>	Selimbar	10	0.790	45.8	48.0	1.032	8
<i>Homalium tomentosum</i>	Burma lancewood	14	0.755	51.4	40.4	0.854	6
<i>Hopea acuminata</i>	Manggachapui	19	0.626	72.9	75.1	1.096	8
<i>Hopea desyrhachis</i>	Merawan	11	0.660	67.4		1.087	8
<i>Hopea dolosa</i>	Balau	11	1.130	7.9			
<i>Hopea dryobalanoides</i>	Merawan	11	0.720	57.2		1.070	8
<i>Hopea ferruginea</i>	Merawan	11	0.700	60.6		1.080	8
<i>Hopea foxworthyi</i>	Dalinydingan	19	0.604	76.2	70.1	1.021	8
<i>Hopea glabra</i>	Hopea	14	0.869	34.5	36.9	0.889	6
<i>Hopea gregaria</i>	Balau	11	1.050	14.6			
<i>Hopea heimii</i> *	Cengal	10	0.750	52.2	50.0	1.014	8
<i>Hopea helferi</i>	Giam	10	0.760	50.5	54.0	1.084	8
<i>Hopea mengarawan</i>	Merawan	11	0.710	58.9		1.076	8
<i>Hopea nervosa</i>	Merawan	10	0.600	76.8	64.0	0.964	7
<i>Hopea nutans</i>	Giam	10	0.860	35.6	42.0	1.001	8
<i>Hopea odorata</i>	Andaman thingan	14	0.637	71.2	73.9	1.105	9
<i>Hopea parviflora</i>	Hopea	14	0.794	45.2	53.2	1.118	9
<i>Hopea plagata</i>	Yakal-saplungan	19	0.890	31.7	43.6	1.068	8
<i>Hopea sangal</i>	Cengal	11	0.840	38.4		0.898	6
<i>Hopea sangal</i>	Gagil	13	0.550	83.1	61.0	0.862	6
<i>Hopea sulcata</i>	Merawan	10	0.550	83.1	61.0	0.862	6
<i>Hopea utilis</i> *	Karung kongoo	14	0.844	37.8	34.9	0.812	6
<i>Hymenodictyon excelsum</i>	Kuthan	14	0.418	101.8	114.8	0.901	7
<i>Ilex pleiobrachiata</i>	Mensira gunung	11	0.610	75.3		1.071	8
<i>Intsia bijuga</i>	Merbau	11	0.840	38.4		0.898	6
<i>Intsia bijuga</i>	Ipil	19	0.612	75.0	93.4	1.191	9
<i>Intsia palembanica</i>	Merbau	10	0.680	64.0	67.0	1.115	9
<i>Intsia palembanica</i>	Merbau	11	0.790	45.8		0.995	7
<i>Irvingia malayana</i>	Bongin	11	1.020	17.4			
<i>Irvingia malayana</i>	Pauh kijang	10	0.840	38.4	40.0	0.935	7
<i>Juglans fallax</i>	Walnut	14	0.452	94.6	55.4	0.671	4
<i>Juglans spp.</i>	Walnut	14	0.483	90.3	68.3	0.812	6
<i>Kayea floribunda</i>	Karal	14	0.665	66.6	62.3	1.046	8
<i>Kayea garciae</i>	Bakulau	19	0.661	67.3	66.8	1.083	8
<i>Kleinhowia hospita</i>	Tan-ag	19	0.364	123.6	176.5	0.921	7
<i>Kokoona littoralis</i>	Mata ulat	10	0.750	52.2	36.0	0.753	5
<i>Koompassia excelsa</i>	Tualang	11	0.830	39.8		0.920	7
<i>Koompassia excelsa</i>	Tualang	10	0.730	55.5	50.0	0.988	7
<i>Koompassia excelsa</i>	Manggis	19	0.668	66.1	79.0	1.196	9
<i>Koompassia malaccensis</i>	Kempas	10	0.710	58.9	41.0	0.817	6
<i>Koompassia malaccensis</i>	Kempas	11	0.950	24.7		0.486	2
<i>Koordersiodendron pinnatum</i>	Amugis	19	0.639	70.9	86.2	1.196	9
<i>Koordersiodendron pinnatum</i>	Ranggu	13	0.720	57.2	53.0	1.017	8
<i>Koordersiodendron pinnatum</i>	Bugis	11	0.800	44.2		0.978	7
<i>Lagerstroemia flos-reginae</i>	Jarul	14	0.518	86.5	118.1	1.121	9
<i>Lagerstroemia hypoleuca</i>	Jarul	14	0.517	86.6	64.7	0.841	6
<i>Lagerstroemia lanceolata</i>	Benteak	14	0.504	88.0	98.7	1.013	8
<i>Lagerstroemia microcarpa</i>	Benteak	14	0.603	76.4	82.6	1.109	9
<i>Lagerstroemia parviflora</i>	Lendi	14	0.620	73.8	73.1	1.071	8
<i>Lagerstroemia piriformis</i>	Batitinan	19	0.487	89.8	121.1	1.067	8
<i>Lagerstroemia speciosa</i>	Banaba	19	0.534	84.8	114.9	1.141	9
<i>Lagerstroemia speciosa</i>	Bungur	11	0.690	62.3		1.084	8
<i>Lagerstroemia tomentosa</i>	Leza	14	0.546	83.5	100.5	1.103	9
<i>Lannea coromandelica</i>	Jhingen	14	0.497	88.7	130.0	1.118	9
<i>Lannea grandis</i>	Jhingan	13	0.497	88.7	94.0	0.979	7
<i>Leucaena leucocephala</i>	Ipil-ipil	19	0.728	55.9	78.5	1.294	10

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Litchi philippinensis</i>	Alupag-amo	19	0.872	34.1	49.3	1.156	9
<i>Lithocarpus soleriana</i>	Manaring	19	0.630	72.3	81.0	1.145	9
<i>Lithocarpus sundaeicus</i>	Pasang	11	0.580	79.5		1.049	8
<i>Litsea firma</i>	Medang	11	0.580	79.5		1.049	8
<i>Litsea firma</i>	Medang	10	0.410	104.1	45.0	0.524	3
<i>Litsea garciae</i>	Bangulo	19	0.344	136.4	172.2	0.864	6
<i>Litsea mangifera</i>	Medang	10	0.410	104.1	75.0	0.729	5
<i>Litsea megacarpa</i>	Medang telor	10	0.310	165.8	60.0	0.490	2
<i>Litsea odorifera</i>	Medang	11	0.510	87.3		0.970	7
<i>Litsea perrottetii</i>	Marang	19	0.486	89.9	103.6	0.999	7
<i>Livistona rotundifolia</i>	Anahau	19	0.787	46.2	60.7	1.208	10
<i>Lophopetalum fimbriatum</i>	Raktan	1	0.530	85.3	101.0	1.074	8
<i>Lophopetalum javanicum *</i>	Perupuk	11	0.560	82.0		1.030	8
<i>Lophopetalum wightianum</i>	Banati	14	0.374	118.3	72.9	0.657	4
<i>Macaranga bicolor</i>	Hamindang	19	0.291	187.1	190.7	0.759	5
<i>Machilus micrantha</i>	Machilus	14	0.445	95.8	87.0	0.849	6
<i>Machilus odoratissima</i>	Machilus	14	0.570	80.8	73.6	0.992	7
<i>Madhuca obvatifolia</i>	Pianga	19	0.589	78.3	93.3	1.148	9
<i>Madhuca oblongifolia</i>	Malabetis	19	0.526	85.7	123.5	1.157	9
<i>Madhuca utilis</i>	Bitis	10	0.920	28.1	38.0	0.967	7
<i>Maesopsis eminii</i>	Maesopsis	10	0.400	107.4	169.0	0.994	7
<i>Magnifera indic</i>	Mango	1	0.540	84.2	102.0	1.098	8
<i>Mallotus multiglandulosus</i>	Alim	19	0.424	100.3	141.1	0.988	7
<i>Mallotus philippensis</i>	Banato	19	0.635	71.5	72.9	1.094	8
<i>Mallotus philippensis</i>	Raini	14	0.571	80.6	76.3	1.012	8
<i>Mangifera altissima</i>	Pahutan	19	0.549	83.2	110.1	1.152	9
<i>Mangifera foetida</i>	Macang	10	0.640	70.7	48.0	0.846	6
<i>Mangifera foetida</i>	Membacang	11	0.730	55.5		1.063	8
<i>Mangifera indica</i>	Macang	10	0.510	87.3	67.0	0.847	6
<i>Mangifera indica</i>	Mango	14	0.588	78.4	72.9	1.016	8
<i>Mangifera merrillii</i>	Pahong-liitan	19	0.523	86.0	117.1	1.127	9
<i>Mangifera spp.</i>	Macang	10	0.690	62.3	56.0	1.014	8
<i>Manglietia insignis</i>	Phulsopa	14	0.428	99.3	145.6	1.008	8
<i>Manilkara kauki</i>	Sawo kecik	11	1.030	16.5			
<i>Mastixia philippinensis</i>	Apanit	19	0.473	91.5	116.1	1.020	8
<i>Melaleuca leucadendron</i>	Gelam	11	0.850	37.0		0.873	6
<i>Melanorrhoea torquata</i>	Rengas	10	0.620	73.8	66.0	1.012	8
<i>Melanorrhoea usitala</i>	Thitsi	14	0.737	54.3	58.5	1.110	9
<i>Melanorrhoea wallichii</i>	Rengas	11	0.660	67.4		1.087	8
<i>Melia azedarach</i>	Persian lilac	14	0.491	89.4	63.3	0.790	5
<i>Melia dubia</i>	Bagalunga	19	0.414	103.0	113.5	0.889	6
<i>Melia indica</i>	Neem	14	0.693	61.8	56.7	1.026	8
<i>Melicope triphylla</i>	Matang-arau	19	0.374	118.3	168.7	0.931	7
<i>Meliosma macrophylla</i>	Balilang-uak	19	0.266	221.5	216.9	0.723	5
<i>Melochia umbellata</i>	Labayo	19	0.247	253.3	351.8	0.770	5
<i>Memecylon pubescens</i>	Nipis kulit	10	0.770	48.9	36.0	0.772	5
<i>Meria excelsa</i>	Suren bawang	11	0.600	76.8		1.065	8
<i>Mesua ferrea</i>	Mesua	14	0.809	42.9	36.4	0.819	6
<i>Mesua ferrea</i>	Penaga	10	0.900	30.5	40.0	0.997	7
<i>Mesua spp.</i>	Sirunangu	14	0.914	28.8	36.2	0.912	7
<i>Metrosideros petiolata</i>	Lera	11	1.150	6.4			
<i>Metrosideros vera</i>	Lara	11	1.150	6.4			
<i>Michelia catchcartii</i>	Champ	14	0.455	94.1	102.1	0.932	7
<i>Michelia champaca</i>	Champa	1	0.500	88.4	110.0	1.053	8
<i>Michelia champaca</i>	Champ	14	0.426	99.8	112.9	0.912	7
<i>Michelia excelsa</i>	Champ	14	0.441	96.6	103.6	0.910	7
<i>Micheilia montana</i>	Champ	14	0.430	98.9	125.5	0.959	7
<i>Michelia montana</i>	Cempaka	11	0.530	85.3		0.995	7
<i>Michelia oblonga</i>	Champ	14	0.370	120.4	119.0	0.812	6
<i>Michelia platyphylla</i>	Hangilo	19	0.506	87.8	107.0	1.053	8
<i>Michelia velutina</i>	Cempaka	11	0.520	86.3		0.983	7
<i>Microcos stylocarpa</i>	Kamuling	19	0.396	108.8	138.6	0.919	7
<i>Micromelum compressum</i>	Tulibas-tilos	19	0.642	70.4	63.0	1.019	8

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Miliusa velutina</i>	Domsal	14	0.626	72.9	64.4	1.007	8
<i>Millettia pendula</i>	Thinwin	14	0.867	34.7	43.0	1.029	8
<i>Mimusops elengi</i>	Bulletwood	14	0.740	53.8	52.0	1.030	8
<i>Mimusops elengi</i>	Tanjung	11	1.000	19.4			
<i>Mimusops littoralis</i>	Bulletwood	14	0.902	30.3	40.9	1.021	8
<i>Mitragyna diversifolia</i>	Binga	14	0.553	82.8	58.4	0.843	6
<i>Mitragyna parvifolia</i>	Klaim	14	0.558	82.2	84.3	1.040	8
<i>Mitragyna speciosa</i>	Kedemba	11	0.400	107.4		0.840	6
<i>Morus alba</i>	Mulberry	14	0.590	78.2	72.8	1.019	8
<i>Morus serrata</i>	Mulberry	14	0.577	79.9	34.4	0.556	3
<i>Mutsaendopsis beccariana</i>	Patin	11	0.920	28.1		0.636	4
<i>Myristica attenuata</i>	Ruktmara	14	0.426	99.8	72.2	0.742	5
<i>Myristica gigantea</i>	Penarahan	10	0.540	84.2	58.0	0.821	6
<i>Myristica iners</i>	Mendarahan	11	0.530	85.3		0.995	7
<i>Myristica maingayi</i>	Penarahan	10	0.540	84.2	61.0	0.847	6
<i>Myristica spp.</i>	Malaboda	14	0.508	87.5	88.2	0.971	7
<i>Neesia altissima</i>	Bengang	10	0.390	111.2	60.0	0.612	4
<i>Neonauclea bernardoi</i>	Ludek	19	0.624	73.2	90.2	1.195	9
<i>Neotrewia cumingii</i>	Apanang	19	0.546	83.5	94.4	1.073	8
<i>Ochanostachys amentacea</i>	Petaling	11	0.910	29.3		0.679	4
<i>Ochanostachys amentacea</i>	Petaling	10	0.730	55.5	57.0	1.082	8
<i>Ochroma grandiflora</i>	Balsa	11	0.200	358.5		0.629	4
<i>Ochroma pyramidale</i>	Balsa	19	0.295	182.3	238.4	0.823	6
<i>Octomeles sumatrana</i>	Benuang	11	0.330	147.2		0.786	5
<i>Octomeles sumatrana</i>	Binuang	19	0.265	223.1	245.4	0.748	5
<i>Octomeles sumatrana</i>	Binuang	13	0.320	156.0	69.0	0.548	3
<i>Ormosia sumatrana</i>	Kupang	11	0.680	64.0		1.086	8
<i>Oroxylon indicum</i>	Pingka-pingkahan	19	0.317	158.8	184.0	0.816	6
<i>Ougeinia dalbergioides</i>	Sandan	14	0.704	59.9	63.7	1.119	9
<i>Palaquium ferox</i>	Nyatoh	11	0.670	65.7		1.087	8
<i>Palaquium gutta</i>	Taban merah	10	0.560	82.0	67.1	0.927	7
<i>Palaquium gutta</i>	Nyatoh	11	0.710	58.9		1.076	8
<i>Palaquium hexandrum</i>	Nyatoh	11	0.560	82.0		1.030	8
<i>Palaquium hipidum</i>	Nyatoh	10	0.460	93.3	70.0	0.786	5
<i>Palaquium javense</i>	Nyatoh	11	0.480	90.6		0.931	7
<i>Palaquium lanceolatum</i>	Palak-palak	19	0.548	83.3	87.2	1.039	8
<i>Palaquium leiocarpum</i>	Nyatoh	11	0.730	55.5		1.063	8
<i>Palaquium luzoniense</i>	Nato	19	0.415	102.7	135.3	0.953	7
<i>Palaquium luzoniense</i>	Nyatoh	11	0.600	76.8		1.065	8
<i>Palaquium maingayi</i>	Nyatoh	10	0.560	82.0	79.0	1.011	8
<i>Palaquium microphyllum</i>	Nyatoh	11	0.780	47.3		1.009	8
<i>Palaquium oblusifolium</i>	Nyatoh	11	0.560	82.0		1.030	8
<i>Palaquium philippense</i>	Malak-malak	19	0.407	105.1	134.6	0.933	7
<i>Palaquium quereifolium</i>	Nyatoh	11	0.540	84.2		1.007	8
<i>Palaquium rostratum</i>	Nyatoh	11	0.610	75.3		1.071	8
<i>Palaquium walsifolium</i>	Nyatoh	11	0.660	67.4		1.087	8
<i>Palaquium burckii</i>	Nyatoh	11	0.660	67.4		1.087	8
<i>Pangium edule</i>	Pangi	19	0.504	88.0	112.6	1.071	8
<i>Parartocarpus triandra</i>	Terap	10	0.470	91.9	69.0	0.796	5
<i>Parashorea lucida</i>	Meranti, red	10	0.560	82.0	68.0	0.934	7
<i>Parashorea malaanonan</i>	Seraya, white	13	0.420	101.3	66.0	0.696	4
<i>Parashorea plicata</i>	Bagtikan	19	0.499	88.5	102.1	1.019	8
<i>Parashorea stellata</i>	Tavoy wood	14	0.589	78.3	70.7	1.002	8
<i>Parashorea tomentella</i>	Seraya, white	13	0.390	111.2	70.0	0.670	4
<i>Parastemon urophyllus</i>	Malus	11	1.040	15.6			
<i>Parastemon urophyllus</i>	Nyalas	10	0.840	38.4	49.0	1.111	9
<i>Paratrophis glabra</i>	Amudil	19	0.771	48.8	59.9	1.175	9
<i>Parinari corymbosa</i>	Kolaka	11	0.960	23.6		0.426	2
<i>Parinari corymbosa</i>	Liusin	19	0.765	49.7	56.4	1.123	9
<i>Parinari rubiginosum</i>	Merbatu	10	0.740	53.8	51.3	1.020	8
<i>Parishia insignis</i>	Red dhup	14	0.410	104.1	63.4	0.664	4
<i>Parkia roxburghii</i>	Kupang	19	0.344	136.4	225.0	0.940	7
<i>Parkia speciosa</i>	Petai	10	0.430	98.9	119.0	0.939	7

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Payena acuminata	Nyatoh	11	0.730	55.5		1.063	8
Payena leeni	Nyatoh	11	0.870	34.3		0.818	6
Payena lucida	Nyatoh	11	0.770	48.9		1.022	8
Peltophorum pterocarpum	Siar	19	0.616	74.5	91.8	1.189	9
Pentace burmanica	Thitka	14	0.558	82.2	37.0	0.586	3
Pentace griffithii	Thitsho	14	0.725	56.4	46.9	0.935	7
Pentace triptera	Pinang	11	0.660	67.4		1.087	8
Pentace triptera	Melunak	10	0.500	88.4	63.0	0.802	6
Pentacme contorta	Lauan, white	19	0.435	97.8	102.9	0.895	6
Pentacme mindanensis	Mindanao lauan	19	0.398	108.1	91.4	0.780	5
Pentacme suavis	Ingyin	14	0.779	47.5	54.3	1.114	9
Pentaspadon velutinus	Pelong	10	0.540	84.2	47.0	0.707	5
Pericopsis mooniana	Kuku	11	0.870	34.3		0.818	6
Peronema canescens	Sungkai	11	0.630	72.3		1.081	8
Phaeanthus ebracteolatus	Kalimatas	19	0.561	81.8	92.9	1.094	8
Phoebe goalparensis	Bonsum	14	0.422	100.8	93.4	0.833	6
Phoebe hainesiana	Bonsum	14	0.475	91.3	60.2	0.742	5
Phoebe opaca	Medang	11	0.570	80.8		1.040	8
Phylocladus hypophyllus	Melur	11	0.580	79.5		1.049	8
Picea morinda	Spruce	14	0.409	104.4	43.9	0.512	3
Pinus caribaea	Pine	10	0.370	120.4	188.0	0.955	7
Pinus excelsa	Blue pine	14	0.427	99.6	62.6	0.686	4
Pinus insignis		14	0.520	86.3	76.5	0.926	7
Pinus insularis	Pine	10	0.370	120.4	188.0	0.955	7
Pinus longifolia	Chir	14	0.448	95.3	80.7	0.824	6
Pinus merkusii	Pine	10	0.420	101.3	159.0	1.021	8
Pinus merkusii	Tusam	11	0.550	83.1		1.019	8
Pisonia umbellifera	Anoling	19	0.214	322.4	393.7	0.689	4
Pistacia integerrima	Kakar singhi	14	0.733	55.0	33.2	0.668	4
Pithecellobium confertum	Kungkur	10	0.510	87.3	85.0	0.958	7
Pittosporum pentandrum	Mamalis	19	0.512	87.1	95.7	1.015	8
Planchonia andamanica	Red bombway	14	0.693	61.8	65.3	1.119	9
Planchonia spectabilis	Lamog	19	0.551	83.0	103.6	1.127	9
Planchonia valida	Putat	11	0.800	44.2		0.978	7
Podocarpus blumei	Melur	11	0.620	73.8		1.076	8
Podocarpus imbricatus	Melur	11	0.520	86.3		0.983	7
Podocarpus imbricatus	Igem	19	0.469	92.0	84.2	0.879	6
Podocarpus motleyi	Melur	11	0.620	73.8		1.076	8
Podocarpus nerifoliolus	Thitmin	14	0.463	92.9	34.7	0.455	2
Podocarpus nerifoliolus	Melur	11	0.600	76.8		1.065	8
Podocarpus philippinensis	Malakauayan	19	0.503	88.1	72.8	0.874	6
Podocarpus wallichianus	Thitmin	14	0.462	93.0	45.5	0.593	3
Poeciloneuron indicum	Ballagi	14	0.898	30.7	36.6	0.908	7
Polyalthia cerasoides		14	0.586	78.7	72.1	1.007	8
Polyalthia flava	Lanutan-dilau	19	0.514	86.9	110.0	1.081	8
Polyalthia fragrans	Nedunar	14	0.445	95.8	85.3	0.841	6
Polyalthia hypoleuca	Tepis	11	0.800	44.2		0.978	7
Polyatthia simiarun		14	0.591	78.0	33.8	0.557	3
Polyscias nodosa	Malapapaya	19	0.377	116.9	159.1	0.920	7
Pometia pinnata	Matoa	11	0.770	48.9		1.022	8
Pometia pinnata	Malugai	19	0.559	82.1	91.1	1.080	8
Pometia pinnata	Kasai	10	0.580	79.5	48.0	0.770	5
Pometia tomentosa	Matoa	11	0.800	44.2		0.978	7
Pongamia glabra	Saykaranji	14	0.609	75.5	73.8	1.058	8
Populus ciliata	Plachh	14	0.372	119.3	73.2	0.655	4
Pouteria villamilii	Villamil nato	19	0.474	91.4	124.0	1.049	8
Prosopis spicigera	Kandi	14	0.634	71.7	61.7	0.994	7
Pseudosindora palustris	Swamp sepetir	13	0.560	82.0	54.0	0.811	6
Pterocarpus acerifolium	Hattipaila	14	0.507	87.6	40.7	0.588	3
Pterocarpus dalbergioides	Andaman padauk	14	0.620	73.8	35.2	0.612	4
Pterocarpus indicus	Narra	19	0.530	85.3	109.0	1.109	9
Pterocarpus indicus	Sena	10	0.490	89.5	64.0	0.794	5
Pterocarpus indicus	Sonokembang	11	0.550	83.1		1.019	8

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Pterocarpus macrocarpus	Burma padauk	14	0.752	51.8	43.8	0.915	7
Pterocarpus marsupium	Bijasal	14	0.671	65.6	44.6	0.834	6
Pterocarpus santalinus	Red sanders	14	0.967	22.8	21.3	0.267	1
Pterocymbium tinctorium	Taluto	19	0.278	204.1	278.8	0.813	6
Pterospermum celebicum	Bayur	11	0.440	96.8		0.882	6
Pterospermum diversifolium	Bayur	11	0.650	69.1		1.087	8
Pterospermum javanicum	Bayur	11	0.360	126.0		0.808	6
Pygeum vulgare	Lago	19	0.566	81.2	91.2	1.094	8
Quercus incana	Oak	14	0.826	40.4	36.2	0.830	6
Quercus lamellosa	Oak	14	0.699	60.8	63.6	1.111	9
Quercus lamponga	Mempening	10	0.720	57.2	64.7	1.154	9
Quercus lineata	Oak	14	0.681	63.9	69.9	1.143	9
Quercus lineata	Pasang	11	1.000	19.4			
Radermachera pinnata	Banai-banai	19	0.506	87.8	152.3	1.204	10
Rhizophora apiculata	Bakau	11	1.050	14.6			
Rhizophora conjugata	Bakau	10	1.040	15.6			
Saccopetalum tomentosum	Hoom	14	0.615	74.6	65.0	0.996	7
Sageraea laurina		14	0.522	86.1	56.8	0.784	5
Sageraea listeri	Chooi	14	0.682	63.7	45.1	0.855	6
Salix spp.	Indian willow	14	0.449	95.1	51.6	0.635	4
Salix tetrasperma	Indian willow	14	0.436	97.6	61.3	0.691	4
Sallix wallichiana	Bada-willow	14	0.459	93.5	50.3	0.637	4
Sandoricum koetjape	Santol	19	0.443	96.2	134.4	1.013	8
Sandoricum vidalii	Malasantol	19	0.434	98.0	96.1	0.867	6
Santalum album	Cendana	11	0.840	38.4		0.898	6
Santria griffithii	Kenari	11	0.800	44.2		0.978	7
Santria laevigata	Kerantai	10	0.480	90.6	74.0	0.843	6
Santria laevigata	Kenari	11	0.610	75.3		1.071	8
Santria oblongifolia	Kenari	11	0.630	72.3		1.081	8
Santria rubiginosa	Kenari	11	0.840	38.4		0.898	6
Santria tomentosa	Kenari	11	0.650	69.1		1.087	8
Sapium baccatum	Ludai	10	0.310	165.8	75.0	0.555	3
Sapium luzonicum	Balakat-gubat	19	0.396	108.8	148.2	0.941	7
Saraca thaipingensis	Gapis	10	0.520	86.3	78.0	0.936	7
Scaphium affine	Kembang semangkok	10	0.590	78.2	73.0	1.020	8
Scaphium macropodum	Matpayang	11	0.660	67.4		1.087	8
Schima crenata	Puspa	11	0.660	67.4		1.087	8
Schima noronhae	Puspa	11	0.620	73.8		1.076	8
Schima noronhae	Gegatal	10	0.590	78.2	64.0	0.949	7
Schima oblata	Puspa	11	0.710	58.9		1.076	8
Schima wallichii	Puspa	11	0.690	62.3		1.084	8
Schima wallichii	Chilauni	13	0.539	84.3	79.5	0.978	7
Schleichera oleosa	Kesambi	11	1.010	18.4			
Schleichera trijuga	Kusum	14	0.897	30.9	37.6	0.934	7
Schoutenis ovata	Walikukun	11	0.980	21.4		0.278	1
Scorodocarpus borneensis	Kulim	11	0.940	25.8		0.540	3
Scorodocarpus borneensis	Kulim	10	0.660	67.4	64.0	1.056	8
Sesbania grandiflora	Katurai	19	0.397	108.5	184.4	1.016	8
Shorea accuminatisima	Meranti kuning	11	0.510	87.3		0.970	7
Shorea acuminata	Meranti merah	11	0.510	87.3		0.970	7
Shorea acuminata	Meranti, red	10	0.460	93.3	64.0	0.747	5
Shorea acuminatissima	Yellow seraya	13	0.400	107.4	93.0	0.790	5
Shorea agsaboeensis	Tiaong	19	0.367	122.0	115.4	0.796	5
Shorea almon	Almon	19	0.429	99.1	103.5	0.885	6
Shorea assamica	Makai	14	0.479	90.8	73.4	0.838	6
Shorea astylosa	Yakal	19	0.825	40.5	54.2	1.174	9
Shorea atrinervosa	Balau	11	0.980	21.4		0.278	1
Shorea barcteolata	Meranti putih	11	0.660	67.4		1.087	8
Shorea belangeran	Belangeran	11	0.860	35.6		0.845	6
Shorea bracteolata	Meranti, white	10	0.480	90.6	52.0	0.681	4
Shorea ciliata	Yakal-mabolo	19	0.747	52.7	65.9	1.207	10
Shorea cutisii	Meranti, dark red	10	0.520	86.3	47.0	0.682	4
Shorea dasypylla	Light red meranti	13	0.410	104.1	56.0	0.615	4

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Shorea elliptica</i>	Balau	11	0.950	24.7		0.486	2
<i>Shorea faguetiana</i>	Yellow seraya	13	0.450	94.9	107.0	0.940	7
<i>Shorea faguetiana</i>	Meranti, yellow	10	0.440	96.8	102.0	0.902	7
<i>Shorea faguetiana</i>	Meranti kuning	11	0.570	80.8		1.040	8
<i>Shorea falcifera</i>	Balau	11	1.010	18.4			
<i>Shorea gibbosa</i>	Meranti kuning	11	0.510	87.3		0.970	7
<i>Shorea gibbosa</i>	Yellow seraya	13	0.420	101.3	63.0	0.678	4
<i>Shorea gisok</i>	Yakal-gisok	19	0.757	51.0	61.2	1.170	9
<i>Shorea glauca</i>	Damar laut	10	0.790	45.8	40.0	0.883	6
<i>Shorea glauca</i>	Balau	11	1.000	19.4			
<i>Shorea guiso</i>	Balau	10	0.620	73.8	62.0	0.976	7
<i>Shorea guiso</i>	Guijo	19	0.681	63.9	73.4	1.173	9
<i>Shorea guiso</i>	Gisok	11	0.830	39.8		0.920	7
<i>Shorea guiso</i>	Red selangan batu	13	0.670	65.7	52.0	0.937	7
<i>Shorea gysbertsiana</i>	Engkabang	10	0.290	188.3	86.0	0.557	3
<i>Shorea hemsleyana</i>	Meranti, red	10	0.590	78.2	82.0	1.082	8
<i>Shorea hopeifolia</i>	Yellow seraya	13	0.460	93.3	83.0	0.857	6
<i>Shorea hopeifolia</i>	Meranti kuning	11	0.540	84.2		1.007	8
<i>Shorea hypochra</i>	Meranti, white	10	0.550	83.1	51.0	0.766	5
<i>Shorea javanica</i>	Meranti putih	11	0.630	72.3		1.081	8
<i>Shorea kalunti</i>	Kalunti	19	0.455	94.1	96.6	0.910	7
<i>Shorea kunstleri</i>	Damar laut	10	0.730	55.5	51.0	1.003	8
<i>Shorea laevis</i>	Bangkirai	11	0.910	29.3		0.679	4
<i>Shorea laevis</i>	Balau kumus	10	0.800	44.2	38.0	0.848	6
<i>Shorea laevis</i>	Balau	11	0.990	20.4		0.197	1
<i>Shorea lamellata</i>	Manggasinorong-lakihan	19	0.418	101.8	79.7	0.766	5
<i>Shorea lamellata</i>	Meranti putih	11	0.730	55.5		1.063	8
<i>Shorea lepidota</i>	Meranti merah	11	0.480	90.6		0.931	7
<i>Shorea leprosula</i>	Meranti merah	11	0.520	86.3		0.983	7
<i>Shorea leprosula</i>	Meranti, red	10	0.460	93.3	63.0	0.740	5
<i>Shorea leptoclados</i>	Light red seraya	13	0.360	126.0	73.0	0.634	4
<i>Shorea macrophylla</i>	Light red seraya	13	0.300	176.5	74.0	0.534	3
<i>Shorea macroptera</i>	Meranti, red	10	0.430	98.9	62.0	0.687	4
<i>Shorea macroptera</i>	Meranti merah	11	0.490	89.5		0.944	7
<i>Shorea malibato</i>	Yakal-malibato	19	0.778	47.6	59.9	1.185	9
<i>Shorea maxwelliana</i>	Damar laut	10	0.860	35.6	43.0	1.022	8
<i>Shorea maxwelliana</i>	Balau	11	1.010	18.4			
<i>Shorea multiflora</i>	Meranti kuning	11	0.660	67.4		1.087	8
<i>Shorea negrosensis</i>	Red lauan	19	0.434	98.0	101.3	0.887	6
<i>Shorea ochracea</i>	Meranti putih	11	0.540	84.2		1.007	8
<i>Shorea ochrophloia</i>	Balau	10	0.630	72.3	65.0	1.019	8
<i>Shorea ovalis</i>	Meranti merah	11	0.510	87.3		0.970	7
<i>Shorea ovata</i>	Meranti merah	11	0.750	52.2		1.046	8
<i>Shorea pachyphylla</i>	Meranti merah	11	0.770	48.9		1.022	8
<i>Shorea palembanica</i>	Meranti merah	11	0.550	83.1		1.019	8
<i>Shorea parvifolia</i>	Meranti merah	11	0.450	94.9		0.893	6
<i>Shorea parvifolia</i>	Light red seraya	13	0.340	139.3	84.0	0.643	4
<i>Shorea parvifolia</i>	Meranti, red	10	0.380	115.5	68.0	0.643	4
<i>Shorea pauciflora</i>	Dark red seraya	13	0.460	93.3	69.0	0.779	5
<i>Shorea pauciflora</i>	Meranti, dark red	10	0.540	84.2	62.0	0.855	6
<i>Shorea pauciflora</i>	Meranti merah	11	0.630	72.3		1.081	8
<i>Shorea philippinensis</i>	Manggasinoro	19	0.420	101.3	117.8	0.915	7
<i>Shorea pinanga</i>	Meranti merah	11	0.420	101.3		0.860	6
<i>Shorea plagata</i>	Malagujo	19	0.698	61.0	62.5	1.098	8
<i>Shorea platycarpa</i>	Meranti merah	11	0.720	57.2		1.070	8
<i>Shorea platyclados</i>	Meranti merah	11	0.670	65.7		1.087	8
<i>Shorea platyclados</i>	Meranti, dark red	10	0.490	89.5	66.0	0.808	6
<i>Shorea polita</i>	Malaanonang	19	0.464	92.7	107.7	0.971	7
<i>Shorea polysperma</i>	Tangile	19	0.461	93.2	88.0	0.883	6
<i>Shorea quadrinervis</i>	Meranti merah	11	0.570	80.8		1.040	8
<i>Shorea resinanigra</i>	Meranti, yellow	10	0.430	98.9	74.0	0.758	5
<i>Shorea retinodes</i>	Meranti putih	11	0.760	50.5		1.034	8
<i>Shorea robusta</i>	Sal	14	0.768	49.2	52.4	1.072	8

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Shorea rugosa</i>	Meranti, dark red	10	0.530	85.3	74.0	0.927	7
<i>Shorea sandakanensis</i>	Meranti merah	11	0.540	84.2		1.007	8
<i>Shorea selanica</i>	Meranti merah	11	0.460	93.3		0.905	7
<i>Shorea seminis</i>	Balau	11	0.900	30.5		0.718	5
<i>Shorea sinitiana</i>	Meranti merah	11	0.500	88.4		0.957	7
<i>Shorea smithiana</i>	Light red seraya	13	0.350	132.2	64.0	0.573	3
<i>Shorea squamata</i>	Mayapis	19	0.386	112.8	145.3	0.912	7
<i>Shorea stenoptera</i>	Meranti merah	11	0.490	89.5		0.944	7
<i>Shorea sumatrana</i>	Balau	11	0.880	33.0		0.787	5
<i>Shorea superba</i>	Selangan batu	13	0.660	67.4	56.0	0.972	7
<i>Shorea talura</i>	Meranti, white	10	0.550	83.1	76.0	0.974	7
<i>Shorea teysmanniana</i>	Meranti merah	11	0.590	78.2		1.057	8
<i>Shorea uliginos</i>	Meranti merah	11	0.640	70.7		1.084	8
<i>Shorea virescens</i>	Meranti putih	11	0.500	88.4		0.957	7
<i>Shorea waltonil</i>	Light red seraya	13	0.350	132.2	70.0	0.603	4
<i>Sideroxylon longepetiolatum</i>	Lambapatti	14	0.484	90.2	37.6	0.520	3
<i>Sindora coriacea</i>	Sepetir	10	0.560	82.0	47.0	0.732	5
<i>Sindora geledupa</i>	Sindur	11	0.690	62.3		1.084	8
<i>Sindora leiocarpa</i>	Sindur	11	0.600	76.8		1.065	8
<i>Sindora wallichii</i>	Sindur	11	0.730	55.5		1.063	8
<i>Sloetia elongata</i>	Tempinis	11	1.010	18.4			
<i>Sloetia elongata</i>	Tempinis	10	0.810	42.7	42.0	0.946	7
<i>Sonneratia alba</i>	Parapat laut	11	0.780	47.3		1.009	8
<i>Sonneratia apelata</i>	Keowra	14	0.521	86.2	110.5	1.097	8
<i>Soymida febrifuga</i>		14	0.965	23.0	34.9	0.920	7
<i>Spathodea campanulata</i>	African Tulip	19	0.245	256.9	265.7	0.708	5
<i>Stemonurus luzoniensis</i>	Mabunot	19	0.367	122.0	206.4	0.975	7
<i>Sterculia alata</i>	Sawbya wood	14	0.475	91.3	85.1	0.895	6
<i>Sterculia campanulata</i>	Papita	14	0.282	198.6	114.0	0.612	4
<i>Sterculia ceramica</i>	Malakalumpang	19	0.270	215.5	261.3	0.775	5
<i>Sterculia foetida</i>	Pimping	11	0.450	94.9		0.893	6
<i>Sterculia spp.</i>	Udal	1	0.320	156.0	133.0	0.736	5
<i>Stereospermum chelonoides</i>	Padri wood	14	0.604	76.2	53.3	0.864	6
<i>Stereospermum xylocarpum</i>	Vedankonnai	14	0.589	78.3	76.4	1.043	8
<i>Stereospermum suaveolens</i>	Padri wood	14	0.617	74.3	70.3	1.044	8
<i>Strombosia javanica</i>	Dedali	10	0.540	84.2	94.0	1.060	8
<i>Strombosia philippinensis</i>	Tamayuan	19	0.714	58.2	61.6	1.112	9
<i>Styrax benzoin</i>	Kemenyan	11	0.570	80.8		1.040	8
<i>Swietenia macrophylla</i>	Big-leaved Mahogany	19	0.526	85.7	105.6	1.087	8
<i>Swietenia macrophylla</i>	Mahoni	11	0.640	70.7		1.084	8
<i>Swietenia macrophylla</i>	Mahoni	10	0.500	88.4	52.0	0.708	5
<i>Swietenia mahagoni</i>	Mahoni	11	0.640	70.7		1.084	8
<i>Swintonia floribunda</i>	Civet	1	0.580	79.5	90.0	1.113	9
<i>Swintonia floribunda</i>	Civet	14	0.551	83.0	58.5	0.841	6
<i>Swintonia foxworthyi</i>	Lomarau	19	0.622	73.5	88.3	1.179	9
<i>Swintonia schwenkii</i>	Merpauh	10	0.610	75.3	89.0	1.162	9
<i>Swintonia spicifera</i>	Merpauh	10	0.640	70.7	83.0	1.177	9
<i>Sycopsis dunnii</i>	Parukapok	19	0.631	72.1	73.5	1.092	8
<i>Syzygium luzonense</i>	Duktulan	19	0.630	72.3	83.1	1.160	9
<i>Syzygium nitidum</i>	Makaasim	19	0.744	53.2	64.2	1.185	9
<i>Syzygium simile</i>	Panglongboien	19	0.558	82.2	106.1	1.152	9
<i>Tectona grandis</i>	Teak	14	0.577	79.9	67.0	0.953	7
<i>Tectona grandis</i>	Teak	19	0.499	88.5	116.0	1.073	8
<i>Tectona grandis</i>	Teak	10	0.560	82.0	109.0	1.169	9
<i>Tectona grandis</i>	Teak	13	0.550	83.1	48.0	0.733	5
<i>Tectona grandis</i>	Jati	11	0.670	65.7		1.087	8
<i>Teijsmanniodendron ahenianum</i>	Sasalit	19	0.903	30.1	41.4	1.034	8
<i>Terminalia arjuna</i>	Arjun	14	0.686	63.0	73.3	1.181	9
<i>Terminalia belorica</i>	Ketapang	11	0.640	70.7		1.084	8
<i>Terminalia berelica</i>	Bahera	14	0.682	63.7	46.7	0.879	6
<i>Terminalia bialata</i>	White chuglam	14	0.578	79.7	49.5	0.785	5
<i>Terminalia chebula</i>	Myrabolan	14	0.773	48.4	51.2	1.061	8
<i>Terminalia citrina</i>		14	0.669	65.9	45.5	0.846	6

Table 2 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Terminalia citrina</i>	Binggas	19	0.739	54.0	65.8	1.194	9
<i>Terminalia copelandii</i>	Lanipau	19	0.458	93.6	81.1	0.844	6
<i>Terminalia edulis</i>	Ketapang	11	0.570	80.8		1.040	8
<i>Terminalia foetidissima</i>	Talisai-gubat	19	0.547	83.4	86.2	1.031	8
<i>Terminalia manii</i>	Black chuglam	14	0.665	66.6	53.6	0.950	7
<i>Terminalia microcarpa</i>	Kalumpit	19	0.528	85.5	104.8	1.087	8
<i>Terminalia myriocarpa</i>	Hollock	14	0.508	87.5	89.5	0.977	7
<i>Terminalia nitens</i>	Sakat	19	0.595	77.5	95.4	1.171	9
<i>Terminalia paniculata</i>	Kindal	14	0.654	68.4	65.2	1.058	8
<i>Terminalia procera</i>	White bombay	14	0.520	86.3	104.5	1.070	8
<i>Terminalia pyrifolia</i>	Lein	14	0.631	72.1	70.5	1.068	8
<i>Terminalia tomentosa</i>	Sain	14	0.746	52.8	64.7	1.193	9
<i>Tetramerista glabra</i>	Punak	11	0.760	50.5		1.034	8
<i>Tetramerista glabra</i>	Punah	10	0.610	75.3	75.0	1.068	8
<i>Thespesia populnea</i>	Banola	19	0.523	86.0	109.0	1.095	8
<i>Thespesia populnea</i>	Bhendi	14	0.647	69.6	51.6	0.902	7
<i>Toona calantas</i>	Kalantas	19	0.294	183.5	124.2	0.660	4
<i>Toona ciliata</i>	Toon	14	0.424	100.3	100.0	0.863	6
<i>Toona sureni</i>	Suren	11	0.390	111.2		0.832	6
<i>Trema orientalis</i>	Anabiong	19	0.305	171.0	238.6	0.851	6
<i>Tristania decorticata</i>	Malabayabas	19	0.921	28.0	43.8	1.107	9
<i>Tristania maingayi</i>	Pelawan	11	1.000	19.4			
<i>Tristania micrantha</i>	Tiga	19	0.885	32.4	45.3	1.097	8
<i>Tsuga brunoniana</i>		14	0.380	115.5	87.4	0.730	5
<i>Turpinia ovalifolia</i>	Anongo	19	0.364	123.6	172.0	0.913	7
<i>Ulmus wallichiana</i>	Elm	14	0.435	97.8	59.3	0.676	4
<i>Vateria indica</i>	Vellapiney	14	0.483	90.3	72.8	0.841	6
<i>Vatica cuspidata</i>	Resak	10	0.860	35.6	41.0	0.979	7
<i>Vatica mangachapoi</i>	Narig	19	0.663	66.9	76.2	1.166	9
<i>Vatica oblongifolia</i>	Resak	11	0.860	35.6		0.845	6
<i>Vatica pachyphylla</i>	Thick-leaved narig	19	0.771	48.8	55.2	1.115	9
<i>Vatica rassak</i>	Resak	11	0.600	76.8		1.065	8
<i>Vatica stapfiana</i>	Resak	10	0.610	75.3	54.0	0.880	6
<i>Vernonia arborea</i>	Merambung	11	0.380	115.5		0.823	6
<i>Vitex altissima</i>	Milla	14	0.771	48.8	57.6	1.147	9
<i>Vitex cofaeus</i>	Gofasa	11	0.740	53.8		1.054	8
<i>Vitex parviflora</i>	Molave	19	0.736	54.5	66.9	1.201	10
<i>Vitex turczaninowii</i>	Lingo-lingo	19	0.487	89.8	121.7	1.069	8
<i>Wallaceodendron celebicum</i>	Banuyo	19	0.550	83.1	105.8	1.135	9
<i>Weinmannia luzoniensis</i>	Itangan	19	0.490	89.5	132.3	1.110	9
<i>Xanthophyllum excelsum</i>	Menjalin	11	0.680	64.0		1.086	8
<i>Xanthophyllum excelsum</i>	Bok-bok	19	0.623	73.4	91.5	1.201	10
<i>Xanthophyllum verrucosum</i>	Minyak berok	10	0.650	69.1	58.0	0.980	7
<i>Xylia dolabriformia</i>	Irul	14	0.779	47.5	48.6	1.029	8
<i>Xylia xylocarpa</i>	Irul	14	0.715	58.1	66.1	1.160	9
<i>Xylocarpus granatum</i>	Nyirih	11	0.700	60.6		1.080	8
<i>Xylopia malayana</i>	Jangkang	11	0.630	72.3		1.081	8
<i>Zanthoxylum rhetsa</i>	Rhetsa	14	0.612	75.0	44.2	0.758	5
<i>Zanthoxylum rhetsa</i>	Kaitana	19	0.333	144.8	172.8	0.838	6
<i>Ziziphus talanai</i>	Balakat	19	0.527	85.6	92.2	1.026	8

* Older scientific names

Balanocarpus spp.
Bombax malabaricum
Gossampinus spp.
Salmalia spp.
Samanea spp.
Serialbizia spp.
Solenospermum spp.
Tarrieta spp.

Newer scientific names

Hopea spp.
Bombax ceiba
Ceiba spp.
Bombax spp.
Albizia spp.
Albizia spp.
Lophopetalum spp.
Heritiera spp.

Table 3. Basic specific gravity (Gb), green moisture content (Mg), and drying time index (DTI) for Latin American species.

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Abies religiosa</i>	Oyamel	17	0.380	101.0		0.779	5
<i>Acacia pennatula</i>	Carbon	5	0.960	28.2		0.667	4
<i>Achras zapota</i>	Nispero	5	1.040	20.4		0.206	1
<i>Albizia caribaea</i>	Carabali	28	0.660	65.4	78.3	1.177	9
<i>Albizia guachapele *</i>	Frijolillo	28	0.560	77.6	60.4	0.872	6
<i>Albizia saman *</i>	Genizero	5	0.470	87.8		0.899	6
<i>Albizia spp.</i>	Pashaco	4	0.450	90.2	95.0	0.893	6
<i>Alchornea spp.</i>	Barba de viejo	26	0.385	100.0		0.786	5
<i>Alexa imperatricis</i>	Leche de cochino	25	0.412	95.4	102.8	0.849	6
<i>Amburana cearensis</i>	Ishpingo	4	0.430	92.8	44.0	0.538	3
<i>Amburana cearensis/acreanea</i>	Cerejeira	6	0.566	76.9	50.3	0.779	5
<i>Anacardium excelsum</i>	Mijao	26	0.442	91.2		0.862	6
<i>Anacardium excelsum</i>	Espave	28	0.410	95.7	109.0	0.866	6
<i>Anacardium excelsum</i>	Espave	5	0.530	81.0		0.971	7
<i>Anacardium excelsum</i>	Espave	23	0.380	101.0	155.0	0.919	7
<i>Anacardium spp.</i>	Caracoli	6	0.524	81.7	62.1	0.832	6
<i>Andira inermis</i>	Angelin	16	0.630	69.2		1.056	8
<i>Andira inermis</i>	Moca	15	0.630	69.2	87.0	1.185	9
<i>Andira retusa</i>	Sarrapio montanero	26	0.765	51.5		1.055	8
<i>Andira retusa</i>	Canelito negro	25	0.647	67.1	79.9	1.167	9
<i>Andira spp.</i>	Andira	6	0.807	46.1	48.6	1.063	8
<i>Andira spp.</i>	Barbosquillo	23	0.640	67.9	76.0	1.126	9
<i>Andira spp.</i>	Almendro	16	0.770	50.9		1.053	8
<i>Aniba amazonica</i>	Moena amarilla	4	0.560	77.6	89.0	1.071	8
<i>Aniba canellilla</i>	Preciosa	2	0.920	32.5	41.3	1.049	8
<i>Aniba riparia</i> (<i>Ocotea</i> spp)	Brazilian louro	28	0.620	70.5	54.6	0.900	7
<i>Apeiba aspera</i>	Cortezo	23	0.270	140.6	115.0	0.589	3
<i>Apeiba aspera</i>	Maquisapa kaccha	4	0.290	129.5	81.0	0.541	3
<i>Apeiba membranacea</i>	Maquisapa naccha	4	0.270	140.6	113.0	0.585	3
<i>Apeiba tibourbou</i>	Cabeza de mono	25	0.166	268.3	175.9	0.426	2
<i>Apuleia molaris</i>	Muire-juba	28	0.760	52.2	55.0	1.097	8
<i>Artocarpus altilis</i>	Panapen	15	0.270	140.6	124.0	0.607	4
<i>Aspidosperma album</i>	Hielillo negro	25	0.675	63.4		1.072	8
<i>Aspidosperma cruentum</i>	Mylady	26	0.710	58.8	57.2	1.056	8
<i>Aspidosperma desmanthum</i>		29	0.720	57.5	58.2	1.082	8
<i>Aspidosperma duckei</i>		29	0.660	65.4	74.6	1.149	9
<i>Aspidosperma macrocarpon</i>	Pumaquiro	4	0.670	64.1	67.0	1.099	8
<i>Aspidosperma marogravianum</i>	Canjilon amarillo	25	0.679	62.9	54.3	0.978	7
<i>Aspidosperma megalocarpon</i>	Pelmax	17	0.760	52.2		1.059	8
<i>Aspidosperma megalocarpon</i>	Hielillo blanco	25	0.806	46.2	38.8	0.873	6
<i>Aspidosperma megalocarpon</i>		29	0.750	53.5	40.4	0.849	6
<i>Aspidosperma spp.</i>	Araracanga	6	0.855	40.1	16.9		
<i>Aspidosperma spp.</i>	Canalete amarillo	26	0.648	66.9		1.064	8
<i>Aspidosperma spp.</i>	Melon	5	0.930	31.4		0.773	5
<i>Astronium gracile</i>	Miracatirara/guarita	2	0.730	56.2	56.2	1.072	8
<i>Astronium graveolens</i>	Gateado	26	1.000	24.2		0.480	2
<i>Astronium graveolens</i>	Gateado	17	0.760	52.2		1.059	8
<i>Astronium graveolens</i>	Goncalo alvas	6	0.820	44.5	34.2	0.771	5
<i>Astronium graveolens</i>	Goncalo alves	28	0.840	42.0	46.2	1.061	8
<i>Astronium lacointei</i>		29	0.690	61.5	41.1	0.797	5
<i>Astronium lacointei</i>	Pata de zamuro	25	0.748	53.8	42.1	0.879	6
<i>Astronium lacointei</i>	Muiracatirara	2	0.790	48.3	50.6	1.074	8
<i>Astronium spp.</i>	Quita calzon	5	1.060	18.6			
<i>Astronium ulel</i>	Muiracatirara	2	0.710	58.8	49.3	0.953	7
<i>Bagassa guianensis</i>	Bagasse	16	0.680	62.8		1.074	8
<i>Bagassa guianensis</i>	Tatajuba	28	0.680	62.8	58.0	1.023	8
<i>Bagassa guianensis/tiliaeefolia</i>	Tatajuba	6	0.753	53.1	46.2	0.958	7
<i>Banara guianensis</i>	Cayenito	25	0.605	72.3	70.5	1.026	8
<i>Beilschmiedia pendula</i>	Guajon	15	0.540	79.9	91.0	1.044	8
<i>Beilschmiedia spp.</i>	Aquacatillo	23	0.540	79.9	69.5	0.913	7
<i>Belotia panamensis</i>	Capulin	5	0.210	194.3		0.554	3
<i>Bertholletia excelsa</i>	Brazil nut	10	0.590	78.2	66.2	0.966	7
<i>Bertholletia excelsa</i>	Brazil Nut	28	0.590	74.1	69.9	0.997	7

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Bombacopsis quinata	Saqui-saqui	6	0.566	76.9	59.1	0.869	6
Bombacopsis quinata	Saquisaqui	26	0.401	97.2		0.807	6
Bombacopsis quinata	Cedro espino	28	0.450	90.2	116.7	0.974	7
Bombacopsis quinata	Pochote	5	0.530	81.0		0.971	7
Bombacopsis sessilis	Bongo macho	23	0.420	94.2	133.0	0.958	7
Bombacopsis spp.		25	0.381	100.8		0.780	5
Bombax paraense	Punga	4	0.390	99.1	94.0	0.774	5
Bowdichia nitida	Sucupira	2	0.850	40.7	43.5	1.021	8
Bowdichia nitida	Sucupira preta	6	0.849	40.8	41.3	0.973	7
Brosimum alicastrum	Charo	25	0.654	66.2	83.6	1.205	10
Brosimum alicastrum	Janita	2	0.740	54.9	66.2	1.200	10
Brosimum alicastrum	Ramon	17	0.730	56.2		1.072	8
Brosimum rubescens	Satine	6	1.044	20.0	17.8		
Brosimum spp.	Sande	6	0.628	69.5	43.4	0.765	5
Brosimum spp.	Copipe	26	0.909	33.7		0.833	6
Brosimum spp.	Charo amarillo	26	0.694	61.0		1.076	8
Brosimum spp.	Charo	26	0.741	54.8		1.069	8
Brosimum spp.	Manchinga	4	0.680	62.8	52.0	0.950	7
Brosimum uleanum	Manchinga	4	0.680	62.8	44.0	0.835	6
Brosimum utile	Panguana	4	0.490	85.5	61.0	0.771	5
Buchenavia capitata	Yellow sanders	28	0.590	74.1	65.1	0.958	7
Buchenavia capitata	Granadillo	15	0.610	71.7	78.0	1.090	8
Bucida buceras	Ucar	15	0.930	31.4	37.0	0.950	7
Bucida buceras	Pukte	17	0.850	40.7		0.961	7
Bumelia spp.	Nisperillo	23	0.730	56.2	51.0	1.003	8
Bursera simaruba	Chaca	17	0.340	110.5		0.726	5
Bursera simaruba	Indio desnudo	5	0.400	97.3		0.806	6
Bursera simaruba	Almacigo	15	0.290	129.5	157.0	0.709	5
Bursera simaruba	Gumbo-limbo	16	0.300	124.9		0.674	4
Byrsinima aerugo	Manteco de agua	25	0.623	70.1	61.2	0.973	7
Byrsinima coriacea	Serrette	13	0.570	76.5	78.0	1.022	8
Byrsinima coriacea	Maricao	15	0.640	67.9	68.0	1.061	8
Byrsinima spp.	Chaparro montanero	26	0.700	60.1		1.075	8
Calophyllum brasiliense	Bari	17	0.520	82.1		0.960	7
Calophyllum brasiliense	Santa Maria	13	0.540	79.9	62.0	0.855	6
Calophyllum brasiliense	Santa Maria	29	0.520	82.1	62.0	0.825	6
Calophyllum brasiliense	Santa-maria	16	0.520	82.1		0.960	7
Calophyllum brasiliense	Santa Maria	6	0.582	75.1	63.2	0.929	7
Calophyllum brasiliense	Lagarto caspi	4	0.521	82.0	50.0	0.716	5
Calophyllum brasiliense	Maria	23	0.470	87.8	62.0	0.748	5
Calophyllum brasiliense	Maria	15	0.550	78.8	92.0	1.068	8
Calophyllum brasiliense	Santa maria	5	0.590	74.1		1.029	8
Calophyllum candidissimum	Camaron	17	0.670	64.1		1.072	8
Calycogonium squamulosum	Jusillo	15	0.740	54.9	65.0	1.187	9
Calycophyllum spruceanum	Pau mulato	6	0.770	50.9	42.9	0.919	7
Campnosperma panamensis	Nisperillo	23	0.420	94.2	97.0	0.844	6
Carapa guianensis	Carapa	25	0.531	80.9	55.5	0.785	5
Carapa guianensis	Crabwood	16	0.560	77.6		1.002	8
Carapa guianensis/procera	Andiroba	6	0.620	70.5	53.3	0.886	6
Carapa guianensis/procera	Andiroba	28	0.540	79.9	65.0	0.879	6
Carapa slateri/guianensis	Bateo	23	0.560	77.6	63.0	0.894	6
Cariniana brasiliensis	Jequitiba	6	0.596	73.4	34.3	0.572	3
Cariniana domesticata	Cachimbo	4	0.590	74.1	50.0	0.807	6
Cariniana pyriformis	Abarco	6	0.634	68.7	42.1	0.752	5
Caryocar coccineum	Almendro	4	0.650	66.7	80.0	1.173	9
Caryocar glabrum	Almendro	4	0.650	66.7	77.0	1.151	9
Caryocar spp.	Piquia	6	0.738	55.1	51.7	1.023	8
Caryocar villosum	Piquia	28	0.720	57.5	61.3	1.117	9
Cassia moschata	Canafistola	25	0.705	59.5		1.075	8
Cassia multijuga	San Feo Mari-mari	25	0.573	76.1	55.5	0.844	6
Cassia scleroxylon	Muirapixuna	2	1.010	23.2	32.7	0.883	6
Cassia spp.	Canafistula	23	0.590	74.1	90.0	1.131	9
Casuarina equisetifolia	Casuarina	15	0.810	45.7	42.0	0.946	7

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Catostemma commune	Baraman	25	0.486	85.9	95.8	0.915	12
Catostemma commune	Baromalli	16	0.450	90.2	87.3	0.873	6
Catostemma spp.		29	0.600	72.9	62.2	0.948	7
Cavanillesia plantanifolia	Quipo	23	0.120	416.1	556.0	0.423	2
Cecropia peltata	Yagrumo hembra	15	0.290	129.5	125.0	0.653	4
Cecropia peltata	Yagrumo	26	0.490	85.5		0.924	7
Cedrela angustifolia	Cedro rojo	25	0.356	106.2	59.7	0.559	3
Cedrela mexicana	Cedro real	5	0.480	86.6		0.911	7
Cedrela odorata	Cedar	16	0.400	97.3		0.806	6
Cedrela odorata	Cedro	26	0.431	92.7		0.848	6
Cedrela odorata	Cedro hembra	15	0.450	90.2	83.0	0.839	6
Cedrela odorata	Cedro	4	0.420	94.2	70.0	0.719	5
Cedrelinga catenaeformis	Tornillo	6	0.486	85.9	85.1	0.915	7
Cedrelinga catenaeformis	Tornillo	4	0.450	90.2	82.0	0.834	6
Ceiba pentandra	Ceiba	15	0.230	172.0	242.0	0.648	4
Ceiba pentandra	Ceiba	17	0.280	134.8		0.649	4
Ceiba pentandra	Ceiba	26	0.380	100.9		0.779	5
Ceiba pentandra	Bango	23	0.240	162.7	195.0	0.633	4
Ceiba pentandra	Sumauma	6	0.302	124.0	164.8	0.750	5
Ceiba pentandra	Ceiba	25	0.693	61.1		1.075	8
Ceiba samauma	Huimba	4	0.570	76.5	89.0	1.089	8
Centrolobium paraense		25	0.693	61.1		1.075	8
Centrolobium spp.	Arariba	6	0.809	45.9	42.1	0.947	7
Centrolobium yavizanum	Amarillo guayaquil	23	0.650	66.7	35.0	0.636	4
Chaetocarpus schomburgkianus	Cache	25	0.783	49.2	45.8	0.987	7
Chimarrhis microcarpa	Carutillo	25	0.610	71.7	67.9	1.013	8
Chlorophora tinctoria	Mora	26	0.923	32.2		0.796	5
Chlorophora tinctoria	Mora amarilla	28	0.710	58.8	64.7	1.138	9
Chlorophora tinctoria	Moral	6	0.830	43.2	32.5	0.730	5
Choristia integrifolia	Lupuna blanca	4	0.280	134.8	133.0	0.646	4
Chrysophyllum caracasanum	Caimito	25	0.747	53.9	67.7	1.226	10
Chrysophyllum spp.	Platano	23	0.525	81.6	76.0	0.932	7
Chrysophyllum spp.	Caimito morado	26	0.785	49.0		1.043	8
Citharexylon poeppigi *	Santa rosa	26	0.539	80.0		0.981	7
Clarisia racemosa	Mashonaste	4	0.590	74.1	94.0	1.154	9
Clarisia racemosa	Cajiman	25	0.588	74.3	79.3	1.061	8
Clarisia racemosa	Guariuba	6	0.650	66.7	53.8	0.932	7
Clarisia racemosa	Guariuba	2	0.600	72.9	93.3	1.168	9
Clusia rosea	Cupey	15	0.670	64.1	71.0	1.135	9
Cochlospermum orinocensis	Bototo	26	0.297	126.1		0.670	4
Copaifera aromatica	Cabimo blanco	23	0.620	70.5	56.0	0.916	7
Copaifera officinalis	Copaiba	4	0.610	71.7	54.0	0.880	6
Copaifera officinalis	Curucay	25	0.551	78.6		0.993	7
Copaifera officinalis	Cabimo, palo de aceite	26	0.648	66.9		1.064	8
Copaifera reticulata		29	0.640	67.9	51.9	0.896	6
Copaifera spp.	Copaiba	6	0.608	71.9	56.3	0.902	7
Cordia alliodora	Capa prieto	15	0.570	76.5	92.0	1.105	9
Cordia alliodora	Laurel	5	0.570	76.5		1.012	8
Cordia alliodora	Pardillo	25	0.503	84.0	32.8	0.459	2
Cordia alliodora	Bojon	17	0.480	86.6		0.911	7
Cordia alliodora	Laurel blanco	28	0.440	91.5	104.4	0.911	7
Cordia apurensis	Pardillo negro	26	0.722	57.3		1.074	8
Cordia bicolor	Candilero	26	0.472	87.5		0.901	7
Cordia collocola	Candelera	28	0.470	87.8	87.4	0.897	6
Cordia dodecandra	Sircote	17	0.840	42.0		0.979	7
Cordia exaltata	Alatrique blanco	25	0.413	95.3	97.0	0.830	6
Cordia fallax	Alatrique negro	25	0.363	104.6	125.6	0.814	6
Cordia goeldiana	Freijo	27	0.520	82.1	53.4	0.749	5
Cordia goeldiana	Freijo	6	0.555	78.2	53.3	0.797	5
Cordia spp.	Laurel.	23	0.360	105.3	87.0	0.691	4
Cordia trichotoma		28	0.500	84.4	37.5	0.535	3
Cornus disciflora	Mato hombre	23	0.550	78.8	78.0	0.987	7
Couepia spp.	Lengua de picon	26	0.760	52.2		1.059	8

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Couratari multiflora	Tampipio	25	0.538	80.1	71.1	0.921	7
Couratari oblongifolia	Tauari	2	0.500	84.4	126.0	1.111	9
Couratari panamensis	Congolo-garapelo	23	0.490	85.5	72.0	0.848	6
Couratari pulchra	Capa de tabaco	24	0.509	83.4	59.2	0.785	5
Couratari pulchra	Tauary	28	0.500	84.4	68.8	0.843	6
Couratari spp.	Tauari	6	0.577	75.6	55.9	0.854	6
Couropita guianensis	Taparo de chuco	26	0.415	94.9		0.826	6
Couropita guianensis	Coco de mono	26	0.415	94.9		0.826	6
Croton panamensis	Sangredrago	5	0.590	74.1		1.029	8
Croton xanthochloros	Canelon	25	0.478	86.8	70.0	0.815	6
Cupania spp.	Cacho de chivo	23	0.550	78.8	59.0	0.844	6
Cyrrilla racemiflora	Palo colorado	15	0.530	81.0	118.0	1.145	9
Dacryodes excelsa	Tabonuco	15	0.530	81.0	57.0	0.797	5
Dacryodes excelsa	Gommier	16	0.530	81.0		0.971	7
Dacryodes spp.	Gommier	6	0.562	77.4	60.0	0.871	6
Dalbergia retusa	Nambar	5	1.080	16.9			
Dalbergia spp.	Ciruelo	5	0.960	28.2		0.667	4
Dendropanax arboreus	Nagua blance	23	0.410	95.7	78.0	0.744	5
Dendropanax arboreus	Quesito	26	0.402	97.0		0.808	6
Dialium guianense	Comenegro	5	0.960	28.2		0.667	4
Dialium guianense	Hauso	23	0.930	31.4	39.0	1.003	8
Dialium guianense	Jutai-pororoca	2	0.880	37.1	44.3	1.071	8
Dialyanthera spp.	Cuangara, virola	23	0.410	95.7	81.0	0.758	5
Dicorynia guianensis	Angelique	16	0.600	72.9		1.036	8
Dicorynia guianensis/paraensis	Basralocus	6	0.727	56.6	37.6	0.767	5
Dicorynia paraensis	Angelique	28	0.600	72.9	78.7	1.078	8
Didymopanax morototoni	Guarumo macho	23	0.530	81.0	87.0	1.005	8
Didymopanax morototoni	Morototo	2	0.410	95.7	151.2	0.980	7
Didymopanax morototoni	Yagrumo macho	15	0.360	105.3	81.0	0.668	4
Didymopanax morototoni	Morototo	6	0.497	84.7	61.1	0.783	5
Didymopanax morototoni	Sunsun	26	0.443	91.1		0.864	6
Didymopanax morototoni	Cafetero	26	0.434	92.3		0.852	6
Didymopanax morototoni	Tinajero	26	0.443	91.1		0.864	6
Didymopanax morototoni	Sunsun	25	0.453	89.8	77.8	0.818	6
Dinizia excelsa	Angelim vermelho	2	0.830	43.2	51.8	1.144	9
Dinizia excelsa	Angelim vermelho	6	0.968	27.4	54.9	1.375	11
Diospyros spp.	Flo de guinea	23	0.410	95.7	92.0	0.805	6
Dipholis salicifolia	Bustic	16	0.860	39.5		0.944	7
Diploon venezuelana	Abiurana seca	2	0.850	40.7	41.2	0.972	7
Diplotropis martiusii	Chontaguiro	4	0.740	54.9	48.0	0.971	7
Diplotropis purpurea	Congrio	25	0.755	52.9	55.0	1.091	8
Diplotropis purpurea	Tatabu	16	0.780	49.6		1.046	8
Diplotropis purpurea	Sapupira	27	0.780	49.6	61.2	1.204	10
Dipteryx odorata	Tonka	16	0.890	35.9		0.881	6
Dipteryx odorata	Cumaru	2	0.910	33.6	40.7	1.025	8
Dipteryx odorata	Sarrapia	25	0.805	46.4		1.023	8
Dipteryx oleifera *	Almendro	23	0.790	48.3	52.0	1.095	8
Dipteryx oleifera/odorata *	Almendro	28	0.890	35.9	46.7	1.130	9
Dipteryx spp.	Cumaru	6	0.984	25.7	22.0	0.325	1
Drypetes variabilis	Kerosen blanco	25	0.693	61.1	65.7	1.122	9
Drypetes variabilis	Pau branco	2	0.710	58.8	74.6	1.231	10
Dussia spp.	Bolador/sangrillo	23	0.475	87.2	88.0	0.909	7
Ecclinusa guianensis	Chicle	25	0.625	69.8	60.3	0.967	7
Endlicheria cocuirey		25	0.390	99.1	49.7	0.539	3
Endopleura uchi	Uchi liso/uchi	2	0.780	49.6	51.3	1.072	8
Enterolobium cyclocarpum	Guanacaste	17	0.350	107.8		0.739	5
Enterolobium cyclocarpum	Earpod	19	0.354	129.6	215.3	0.954	7
Enterolobium maximum	Fava tamboril/tamboril	2	0.370	103.0	183.8	0.948	7
Enterolobium schomburgkii	Timbauba	27	0.820	44.5	60.0	1.247	10
Enterolobium schomburgkii	Fava de rosca	2	0.840	42.0	44.0	1.019	8
Enterolobium schomburgkii	Menudito	26	0.573	76.2		1.015	8
Enterolobium schomburgkii	Harino	23	0.600	72.9	65.0	0.973	7
Enterolobium schomburgkii	Curarina	25	0.815	45.1	54.8	1.169	9

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Enterolobium schomburgkii</i>	Batibatra	6	0.765	51.6	43.8	0.930	7
<i>Enterolobium</i> spp.	Tamboril	6	0.470	87.8	70.1	0.803	6
<i>Enterolobium</i> spp.	Caracaro	26	0.377	101.6		0.775	5
<i>Enterolobium</i> spp.	Sierra de iguana	26	0.502	84.1		0.938	7
<i>Enterolobium</i> spp.		25	0.361	105.0	189.3	0.934	7
<i>Eperua falcata</i>	Wallaba	16	0.780	49.6		1.046	8
<i>Eperua</i> spp.	Wallaba	13	0.780	49.6	58.0	1.164	9
<i>Eperua</i> spp.	Wallaba	6	0.834	42.7	31.9	0.714	5
<i>Erblichia odorata</i>	Pino blanco	23	0.500	84.4	75.0	0.883	6
<i>Eriotheca</i> spp.	Cedro dulce	25	0.403	96.8	138.2	0.934	7
<i>Erisma uncinatum</i>	Quarubarana/cedrinho	2	0.460	89.0	141.3	1.070	8
<i>Erisma uncinatum</i>	Mureillo	25	0.454	89.7	101.2	0.926	7
<i>Erisma uncinatum/Erisma</i> spp.	Jaboty	6	0.551	78.6	81.5	1.011	8
<i>Erythrina</i> spp.	Bucare	26	0.249	155.1		0.608	4
<i>Eschweilera amara</i>	Matamata vermelho	2	0.760	52.2	65.8	1.226	10
<i>Eschweilera corrugata</i>	Guacharaco	25	0.877	37.5	44.0	1.061	8
<i>Eschweilera grata</i>		25	0.877	37.5	44.0	1.061	8
<i>Eschweilera hologyne</i>	Tinajito	25	0.761	52.1	64.3	1.211	10
<i>Eschweilera odora</i>	Mata-mata	27	0.810	45.7	52.7	1.132	9
<i>Eschweilera sagotiana</i>	Black kakeralli	28	0.820	44.5	50.7	1.114	9
<i>Eschweilera</i> spp.	Guasca/oxito	23	0.780	49.6	52.0	1.082	8
<i>Eschweilera</i> spp.	Matamata-ci	2	0.810	45.7	55.6	1.174	9
<i>Eschweilera</i> spp.		25	0.946	29.7	38.8	1.014	8
<i>Eschweilera</i> spp.	Machimango blanco	4	0.720	57.5	56.0	1.055	8
<i>Eschweilera subglandulosa</i>	Manbarklak	16	0.870	38.3		0.925	7
<i>Eschweilera subglandulosa</i>	Majaguillo	25	0.866	38.8	43.8	1.045	8
<i>Eschweilera subglandulosa</i>	Manbarklak	27	0.870	38.3	42.9	1.031	8
<i>Eschweilera tenax</i>	Coco de mono	27	0.620	70.5	73.9	1.077	8
<i>Eschweilera trinitensis</i>	Tampipio	25	0.771	50.8	52.8	1.082	8
<i>Eucalyptus globulus</i>	Eucalipto	4	0.570	76.5	50.0	0.781	5
<i>Eucalyptus robusta</i>	Eucalipto	15	0.510	83.2	115.0	1.092	8
<i>Eugenia compta</i>	Guayabito blanco	25	0.675	63.4	48.2	0.893	6
<i>Eugenia pseudopsidium</i>		25	0.620	70.5	52.5	0.876	6
<i>Eugenia</i> spp.	Guayabo de montana	23	0.840	42.0	44.0	1.019	8
<i>Eugenia stahlii</i>	Guayabota	15	0.730	56.2	58.0	1.094	8
<i>Euxylophora paraensis</i>	Pau amarelo	6	0.751	53.4	33.2	0.683	4
<i>Ficus</i> aff, <i>insipida</i>	Higueron	26	0.256	150.0		0.618	4
<i>Ficus laevigata</i>	Jaguey blanco	15	0.400	97.3	119.0	0.876	6
<i>Ficus</i> spp.	Caxinguba	6	0.389	99.3	157.2	0.944	7
<i>Ficus</i> spp.	Higueron	25	0.321	116.6	131.1	0.734	5
<i>Genipa americana</i>	Caruto montanero	25	0.572	76.2	67.5	0.949	7
<i>Genipa americana</i>	Jagua	15	0.660	65.4	55.0	0.960	7
<i>Genipa</i> spp.	Caruto	26	0.775	50.3		1.050	8
<i>Gliricidium sepium</i>	Madero negro	5	0.960	28.2		0.667	4
<i>Glycydendron amazonicum</i>		29	0.720	57.5	38.4	0.776	5
<i>Glycydendron amazonicum</i>	Glicia	2	0.660	65.4	68.2	1.094	8
<i>Goethalsia meiantha</i>	Guacimo blanco	26	0.357	106.0		0.748	5
<i>Gouania glabra</i>	Kopie	16	0.700	60.2		1.076	8
<i>Gouania glabra</i>	Cupiuba	6	0.770	50.9	46.8	0.988	7
<i>Gouania glabra</i>	Cupiuba	27	0.700	60.2	65.7	1.133	9
<i>Gouania glabra</i>	Congrio blanco	25	0.724	57.0	63.0	1.142	9
<i>Gouania glabra</i>	Cupiuba	2	0.710	58.8	59.2	1.079	8
<i>Guarea excelsa</i>	Cramtree	13	0.460	89.0	144.0	1.077	8
<i>Guarea excelsa</i>	Tololo	5	0.540	79.9		0.982	7
<i>Guarea glabra</i>	Cedrillo	17	0.520	82.1		0.960	7
<i>Guarea kunthiana</i>	Requia	4	0.600	72.9	79.0	1.080	8
<i>Guarea trichilioides</i>	Trompillo	26	0.635	68.6		1.058	8
<i>Guarea trichilioides</i>	Pica del oro	23	0.520	82.1	119.0	1.128	9
<i>Guarea trichilioides</i>	Guaraguao	15	0.510	83.2	123.0	1.122	9
<i>Guatteria</i> spp.	Ramo de plaze	26	0.525	81.5		0.965	7
<i>Guatteria decurrens</i>	Carahuasca	4	0.520	82.1	55.0	0.764	5
<i>Guatteria olivacea</i>	Envira preta	2	0.510	83.2	117.6	1.102	9
<i>Guatteria procera</i>	Envira preta	2	0.650	66.7	80.0	1.173	9

Table 3 continued

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<i>Guazuma ulmifolia</i>	Guacimo	25	0.497	84.7	58.5	0.762	5
<i>Guettarda laevis</i>	Cucubano	15	0.650	66.7	69.0	1.086	8
<i>Gustavia spp.</i>	Oreja de burro	26	0.623	70.0		1.051	8
<i>Gyrocarpus americanus</i>	Talalate	5	0.320	116.9		0.700	5
<i>Haenianthus salicifolius</i>	Palo de hueso	15	0.810	45.7	52.0	1.121	9
<i>Hasseltia floribunda</i>	Cocobolo	23	0.540	79.9	78.0	0.970	7
<i>Heisteria spp.</i>	Yutubanco	4	0.710	58.8	59.0	1.077	8
<i>Helicostylis tomentosa</i>	Charo	25	0.682	62.5	57.7	1.022	8
<i>Hernandia sonora</i>	Mago	15	0.290	129.5	94.0	0.580	3
<i>Hevea spp.</i>	Shiringa	4	0.530	81.0	73.0	0.921	7
<i>Himatanthus articulatus</i>	Mapolo	25	0.544	79.4	68.3	0.911	7
<i>Himathantus articulatus</i>	Leon	26	0.554	78.3		0.996	7
<i>Hirtella davisii</i>	Ceniza negra	25	0.736	55.4	45.3	0.922	7
<i>Homalium racemosum</i>	Caracolillo	15	0.770	50.9	50.0	1.039	8
<i>Humiria balsamifera</i>	Bois rouge	29	0.660	65.4	62.7	1.043	8
<i>Humiria balsamifera</i>	Tauroniro	16	0.660	65.4		1.069	8
<i>Humiria spp.</i>	Corosilio almendro	23	0.830	43.2	39.0	0.902	7
<i>Humiriastrum spp.</i>	Chanul	6	0.863	39.1	27.4	0.570	3
<i>Hura crepitans</i>	Acacu	6	0.430	92.8	86.3	0.818	6
<i>Hura crepitans</i>	Hura	16	0.380	101.0		0.779	5
<i>Hura crepitans</i>	Catahua amarilla	4	0.410	95.7	76.0	0.734	5
<i>Hura crepitans</i>	Ceiba	23	0.340	110.5	84.0	0.643	4
<i>Hura crepitans</i>	Possumwood	28	0.380	101.0	67.2	0.638	4
<i>Hura polyandra</i>	Habillo	17	0.380	101.0		0.779	5
<i>Hyperonima alchorneoides *</i>	Pantano	23	0.600	72.9	89.0	1.144	9
<i>Hyperonima laxiflora *</i>	Aguacatillo	25	0.657	65.8	61.6	1.027	8
<i>Hyperonima laxiflora *</i>	Carne asada	26	0.569	76.6		1.011	8
<i>Hyperonima laxiflora *</i>	Suradanni	29	0.650	66.7	82.6	1.191	9
<i>Hyperonima spp. *</i>	Coca de mono	27	0.620	70.5	73.9	1.077	8
<i>Hyperonima spp.</i>	Suradan	16	0.650	66.7		1.065	8
<i>Hymenaea courbaril</i>	Algarrobo	25	0.821	44.3	48.0	1.071	8
<i>Hymenaea courbaril</i>	Courbaril	28	0.710	58.8	60.8	1.097	8
<i>Hymenaea courbaril</i>	Algarrobo	23	0.790	48.3	51.0	1.080	8
<i>Hymenaea courbaril</i>	Jutai-acu/jatoba	2	0.760	52.2	63.2	1.198	9
<i>Hymenaea courbaril</i>	Cuapinol	17	0.750	53.5		1.064	8
<i>Hymenaea courbaril</i>	Algarrobo	15	0.700	60.2	63.0	1.106	9
<i>Hymenaea courbaril</i>	Courbaril	16	0.700	60.2		1.076	8
<i>Hymenaea courbaril</i>	Guapinol	5	0.880	37.1		0.905	7
<i>Hymenaea courbaril</i>	West Indian locust	10	0.720	57.2	46.0	0.915	7
<i>Hymenaea davisii</i>		28	0.710	58.8	64.7	1.138	9
<i>Hymenaea oblongifolia</i>		29	0.740	54.9	48.9	0.985	7
<i>Hymenaea palustris</i>	Azucar huayo	4	0.620	70.5	40.0	0.702	5
<i>Hymenaea parvifolia</i>	Jutai-mirim/jatoba	2	0.900	34.8	44.4	1.096	8
<i>Hymenaea spp.</i>	Jatoba	6	0.893	35.6	23.2	0.374	1
<i>Hymenolobium excelsum</i>	Angelim	27	0.630	69.2	70.0	1.062	8
<i>Hymenolobium modestrum</i>	Angelim pedra	2	0.650	66.7	83.1	1.195	9
<i>Hymenolobium spp.</i>	Angelim	6	0.710	58.8	69.1	1.182	9
<i>Hymenolobium spp.</i>	Alcornoco	25	0.637	68.3	88.7	1.209	10
<i>Ilex hondurensis</i>	Areno blanco	5	0.640	67.9		1.060	8
<i>Inga aff. coruscans</i>	Caramacate	26	0.778	49.8		1.046	8
<i>Inga alba</i>	Guamo colorado	25	0.528	81.2	62.1	0.838	6
<i>Inga alba</i>	Inga	2	0.620	70.5	88.7	1.178	9
<i>Inga floribunda</i>	Guamo liso	25	0.554	78.3	64.8	0.900	7
<i>Inga ingoides</i>	Guamo rabo de mono	25	0.503	84.0	63.4	0.809	6
<i>Inga laurina</i>	Guama	15	0.620	70.5	74.0	1.078	8
<i>Inga paraensis</i>	Ingarana/inga	2	0.820	44.5	53.7	1.160	9
<i>Inga spp.</i>	Guabo	23	0.560	77.6	83.0	1.036	8
<i>Inga spp.</i>	Inga	6	0.620	70.5	53.1	0.883	6
<i>Inga spp.</i>	Guamo	26	0.542	79.6		0.983	7
<i>Inga spp.</i>	Guamo hierrito	26	0.566	76.9		1.008	8
<i>Inga spp.</i>	Guamo negro	26	0.705	59.5		1.075	8
<i>Inga vera</i>	Guaba	15	0.590	74.1	70.0	0.998	7
<i>Iryanthera bostmanni</i>	Kirikowa	29	0.500	84.4	117.2	1.080	8

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Iryanthera lancifolia	Kirikawa	29	0.490	85.5	74.5	0.863	6
Iryanthera sagotiana	Marakaipo	29	0.570	76.5	52.6	0.810	6
Jacaranda copaia	Siamruba	25	0.320	116.9		0.700	5
Jacaranda copaia	Gualandai	23	0.380	101.0	104.0	0.789	5
Jacaranda copaia	Copaiá	29	0.320	116.9	98.2	0.651	4
Jacaranda spp.	Para-para	6	0.389	99.3	170.1	0.970	7
Jacaranda spp.	Gualanday	26	0.617	70.8		1.048	8
Jacaranda superba	Flor azul	26	0.315	118.9		0.694	4
Juglans olanchanum	Nogal	5	0.470	87.8		0.899	6
Juglans spp.	Nogal	6	0.581	75.2	54.9	0.849	6
Laetia procera	Jobo macho	25	0.622	70.2	61.9	0.978	7
Laetia spp.	Alcarreto	23	0.590	74.1	78.0	1.056	8
Lafoensia punicifolia	Amarillo pepita	23	0.720	57.5	44.0	0.882	6
Laplacea brenesii	Canamo	5	0.720	57.5		1.074	8
Lecythis davisii	Tina jito	25	0.815	45.1	53.2	1.146	9
Lecythis jarana *	Jarana	27	0.850	40.7	48.6	1.117	9
Lecythis paraensis	Sapucaia	27	0.880	37.1	45.9	1.103	9
Lecythis pisonis	Sapucaia	2	0.840	42.0	48.8	1.108	9
Lecythis spp.	Sapucaia	6	0.940	30.3	27.6	0.627	4
Lecythis tuyana	Coco	23	0.610	71.7	95.0	1.197	9
Licania alba	Hierro	25	0.908	33.9	34.6	0.860	6
Licania apetala	Gateado	25	0.641	67.8	69.4	1.075	8
Licania arborea	Paragua	23	0.630	69.2	73.0	1.086	8
Licania buxifolia	Marish	16	0.880	37.1		0.905	7
Licania buxifolia	Marishiballi	27	0.880	37.1	37.3	0.910	7
Licania densiflora	Hierrito	25	0.796	47.5	42.0	0.930	7
Licania hypoleuca	Hierillo	25	0.903	34.4	39.5	0.988	7
Licania hypoleuca	Rasca	23	0.830	43.2	42.0	0.968	7
Licania macrophylla	Anauera	27	0.760	52.2	49.8	1.023	8
Licania macrophylla	Marish	16	0.760	52.2		1.059	8
Licania octandra	Caraipe	2	0.770	50.9	62.3	1.202	10
Licania parviflora	Merecure de montana	26	0.813	45.3		1.013	8
Licania platypus	Sapote	23	0.620	70.5	80.0	1.121	9
Licania spp.	Carbonero/tuquesa	23	0.650	66.7	80.0	1.173	9
Licania spp.	Varazon	5	0.800	47.0		1.028	8
Licaria cayennensis	Kaneelhart	27	0.960	28.2	30.4	0.758	5
Licaria rigida	Louro amarelo/louro	2	0.730	56.2	52.1	1.018	8
Licaria spp.	Sigue canelo	23	0.420	94.2	65.0	0.690	4
Lindackeria spp.	Curo montanero	26	0.451	90.0		0.874	6
Liquidambar styraciflua	Liquidambar	5	0.630	69.2		1.056	8
Lonchocarpus spp.	Zapato cache	26	0.566	76.9		1.008	8
Lonchocarpus castilloi	Machiche	17	0.760	52.2		1.059	8
Lonchocarpus castilloi	Black cabbage bark	13	0.780	49.6	61.0	1.212	10
Lonchocarpus latifolius	Tocorito	25	0.699	60.3	48.1	0.921	7
Lonchocarpus sericeus	Jebe	25	0.778	49.9	56.9	1.147	9
Lonchocarpus spp.	Murcielago	26	0.785	49.0		1.043	8
Lonchocarpus spp.	Marajagua	26	0.665	64.8		1.071	8
Lonchocarpus stramineus	Guaimaro	26	0.834	42.7		0.987	7
Loxopterygium sagotii	Hububalli	28	0.560	77.6	98.0	1.118	9
Loxopterygium sagotii	Picaton	25	0.540	79.9	68.9	0.909	7
Lucuma grongrijpii *	Abiurana branca	2	0.720	57.5	72.2	1.226	10
Lucuma spp.	Quina quina	4	0.740	54.9	53.0	1.044	8
Luehea cymulosa	Guacimo cimarron	26	0.594	73.6		1.032	8
Lueheopsis duckeana	Acoita cavalo	2	0.620	70.5	83.9	1.148	9
Lysiloma kellernanii	Quebracho	5	0.770	50.9		1.053	8
Lysiloma bahamensis	T'zalam	17	0.600	72.9		1.036	8
Mabea piriri	Pata de pauji	25	0.593	73.7	57.5	0.893	6
Machaerium capote	Siete cueros	23	0.520	82.1	68.0	0.870	6
Maclura tinctoria	Mora amarilla	17	0.710	58.8		1.075	8
Macoubea guianensis	Rokoroko	29	0.370	103.0	91.3	0.726	5
Magnolia sororum	Vaco	28	0.500	84.4	84.8	0.939	7
Magnolia splendens	Laurel sabino	15	0.590	74.1	98.0	1.175	9
Malouetia duckei	Sorva	2	0.570	76.5	101.8	1.156	9

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Mammea americana</i>	Mamey	15	0.620	70.5	85.0	1.155	9
<i>Mangifera indica</i>	Mango	15	0.550	78.8	72.0	0.947	7
<i>Manilkara amazonica</i>	Maparajuba/macaranduba	2	0.830	43.2	51.8	1.144	9
<i>Manilkara bidentata</i>	Quinilla colorada	4	0.870	38.3	46.0	1.093	8
<i>Manilkara bidentata</i>	Pурго morado	25	0.895	35.4	39.4	0.978	7
<i>Manilkara bidentata</i>	Balata	16	0.850	40.7		0.961	7
<i>Manilkara bidentata</i>	Ausubo	15	0.820	44.5	48.0	1.069	8
<i>Manilkara bidentata</i>	Bulletwood	28	0.850	40.7	47.6	1.099	8
<i>Manilkara huberi</i>		29	0.930	31.4	42.0	1.076	8
<i>Manilkara spp.</i>	Macaranduba	6	0.991	25.0	31.2	0.812	6
<i>Manilkara zapota</i>	Chicozapote	17	0.880	37.1		0.905	7
<i>Maquira coriacea Berg.</i>	Muiratinga	6	0.442	91.2	137.8	1.020	8
<i>Marmaroxylon racemosum</i>	Angelim rajado	6	0.901	34.7	36.5	0.908	7
<i>Matayba domingensis</i>	Negra lora	15	0.700	60.2	64.0	1.116	9
<i>Matisia bicolor</i>	Machin zapote	4	0.520	82.1	84.0	0.970	7
<i>Matisia cordata</i>	Zapote	4	0.430	92.8	111.0	0.914	7
<i>Maytenus ficiformis</i>		25	0.674	63.6	74.3	1.169	9
<i>Meliosma herbetii</i>	Aguacatillo	15	0.420	94.2	88.0	0.807	6
<i>Mezilaurus itauba</i>	Itauba	27	0.680	62.8	63.4	1.080	8
<i>Mezilaurus spp.</i>	Itauba	6	0.786	48.8	36.1	0.789	5
<i>Miconia ibaguensis</i>	Mangillio de montana	23	0.610	71.7	84.0	1.131	9
<i>Miconia argentea</i>	Capirote	5	0.720	57.5		1.074	8
<i>Micropholis chrysophylloides</i>	Caimitillo	15	0.680	62.8	54.0	0.976	7
<i>Micropholis garciniaefolia</i>	Caimitillo verde	15	0.640	67.9	54.0	0.921	7
<i>Micropholis guyanensis</i>	Konoko	29	0.650	66.7	36.5	0.668	4
<i>Micropholis venulosa</i>	Rosadinho	2	0.670	64.1	80.6	1.212	10
<i>Minquartia guianensis</i>	Manwood	27	0.760	52.2	66.7	1.236	10
<i>Minquartia guianensis</i>	Camaroncillo	23	0.750	53.5	62.0	1.169	9
<i>Mora excelsa</i>	Mora	16	0.780	49.6		1.046	8
<i>Mora excelsa</i>	Mora	29	0.780	49.6	60.0	1.189	9
<i>Mora excelsa</i>	Mora	13	0.760	52.2	59.0	1.149	9
<i>Mora gonggrijpii</i>	Mora	25	0.838	42.2	52.1	1.159	9
<i>Mora oleifera</i>	Alcornoque	23	0.740	54.9	60.0	1.132	9
<i>Mora spp.</i>	Mora	6	0.924	32.1	19.1		
<i>Mouriri guyanensis</i>	Perhuetamo	26	0.859	39.6		0.946	7
<i>Mouriri huberi</i>	Guara taro	25	0.751	53.4	35.5	0.742	5
<i>Mouriri sideroxylon</i>	Guara taro	25	0.881	37.0	45.9	1.104	9
<i>Myrcia paivae</i>		25	0.730	56.2	60.5	1.123	9
<i>Myrciaria floribunda</i>	Guaya billo	25	0.726	56.7	45.2	0.909	7
<i>Myroxylon balsamum</i>	Balsamo	5	0.960	28.2		0.667	4
<i>Myroxylon balsamum/toluiferum</i>	Balsamo	6	0.881	37.0	24.9	0.464	2
<i>Myroxylon peruferum</i>	Estorague	4	0.780	49.6	29.0	0.577	3
<i>Myroxylon spp.</i>	Gateado amarillo	26	0.801	46.8		1.026	8
<i>Naucleopsis spp. *</i>	Tamamuri	4	0.660	65.4	53.0	0.936	7
<i>Nectandra concinna</i>	Angelino/aceituno	28	0.560	77.6	88.0	1.065	8
<i>Nectandra coriacea</i>	Laurel avisillo	15	0.470	87.8	74.0	0.826	6
<i>Nectandra membranacea</i>	Laurel prieto	15	0.450	90.2	65.0	0.738	5
<i>Nectandra rigida</i>	Laurel amarillo	26	0.648	67.0		1.065	8
<i>Nectandra sintenisii</i>	Laurel amarillo	15	0.550	78.8	58.0	0.835	6
<i>Nectandra spp.</i>	Sigua/sigua amarillo	23	0.365	104.1	68.0	0.618	4
<i>Nectandra spp./Ocotea spp.</i>	Louro	6	0.506	83.7	77.8	0.910	7
<i>Nectandra spp.</i>	Laurel macano	25	0.476	87.1	31.1	0.403	2
<i>Nectandra spp.</i>	Laurel macano	26	0.778	49.8		1.046	8
<i>Nectandra spp.</i>	Canelo	5	0.640	67.9		1.060	8
<i>Nectandra spp.</i>	Moena negra	4	0.420	94.2	61.0	0.665	4
<i>Nemaluma anomala</i>	Rosadinho	2	0.750	53.5	62.7	1.177	9
<i>Ochroma lagopus/pyramidalis</i>	Balsa	6	0.153	300.1	122.8	0.346	1
<i>Ochroma pyramidalis</i>	Guano	15	0.220	182.5	97.0	0.449	2
<i>Ochroma pyramidalis</i>	Balso	26	0.237	165.6		0.592	3
<i>Ocotea austini</i>	Bambito rosada	23	0.480	86.6	94.0	0.946	7
<i>Ocotea leucoxylon</i>	Laurel geo	15	0.450	90.2	77.0	0.809	6
<i>Ocotea moschata</i>	Nuez moscada	15	0.590	74.1	63.0	0.940	7
<i>Ocotea neesiana</i>	Louro canela/louro	2	0.550	78.8	69.1	0.926	7

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Ocotea porosa (<i>Phoebe porosa</i>)	Imbuia	6	0.667	64.5	34.9	0.650	4
Ocotea rodiae	Greenheart	16	0.880	37.1		0.905	7
Ocotea rodiae	Greenheart	13	0.830	43.2	37.0	0.854	6
Ocotea rodiae	Greenheart	28	0.880	37.1	42.7	1.038	8
Ocotea rodiae	Greenheart	6	0.879	37.2	48.0	1.141	9
Ocotea rubra	Louro vermelho	6	0.607	72.1	64.7	0.981	7
Ocotea rubra	Determa	28	0.520	82.1	83.2	0.966	7
Ocotea rubra	Determa	16	0.520	82.1		0.960	7
Ocotea schomburgkiana	Yekoro	29	0.460	89.0	48.9	0.625	4
Ocotea spathulata	Nemoca	15	0.620	70.5	62.0	0.976	7
Ocotea spp.	Siguaton/bambito amarillo	23	0.355	106.5	152.0	0.854	6
Ocotea spp.	Louro canela/louro	2	0.630	69.2	65.1	1.020	8
Ocotea spp.	Casho moena	4	0.530	81.0	76.0	0.940	7
Onychopetalum amazonicum	Envira preta	2	0.570	76.5	96.5	1.129	9
Ormosia coccinea	Huiruro	4	0.610	71.7	73.0	1.053	8
Ormosia krugii	Palo de matos	15	0.500	84.4	124.0	1.104	9
Ormosia ligni-valvis	Peonio	26	0.596	73.4		1.033	8
Ormosia lignivalvis	Peonio	25	0.597	73.3	97.8	1.187	9
Ormosia paraensis	Tento	2	0.670	64.1	74.6	1.165	9
Ormosia schunkei	Huiruro	4	0.570	76.5	87.0	1.077	8
Ormosia spp.	Tento	6	0.712	58.6	47.5	0.928	7
Ormosia spp.	Amargo blanco	23	0.550	78.8	104.0	1.127	9
Ormosia paraensis		29	0.680	62.8	74.1	1.177	9
Osteophloeum platyspermum		29	0.550	78.8	81.9	1.011	8
Ouratea spp.	Sierra de picon	26	0.681	62.7		1.074	8
Oxandra spp.	Yaya	23	0.750	53.5	44.0	0.916	7
Parahancornia amapa	Amapa	6	0.478	86.8	67.4	0.798	5
Parinari campestris/excelsa	Buradala/omoradan	27	0.680	62.8	58.2	1.025	8
Parinari excelsa	Merecurillo	25	0.643	67.6	59.9	0.989	7
Parinari pachyphyllum	Merecure	26	0.608	72.0		1.043	8
Parinari rodolphii	Parinari	27	0.710	58.8	60.3	1.092	8
Parinari rodolphii	Merecure montanero	25	0.721	57.4		1.074	8
Parkia oppositifolia	Caro montanero	25	0.265	143.8	138.0	0.620	4
Parkia paraensis	Fava arara tucupi	2	0.440	91.5	129.5	0.992	7
Parkia pendula	Cascaron	25	0.385	100.0	120.4	0.848	6
Parkia pendula	Faveira bolota	2	0.500	84.4	126.0	1.111	9
Parkia spp.	Faveira	6	0.442	91.2	114.8	0.951	7
Paulsenia armata	Yanchama	4	0.440	91.5	76.0	0.786	5
Peltogyne mexicana	Nazareno	23	0.830	43.2	57.0	1.221	10
Peltogyne paniculata	Paloconcha	25	0.683	62.4	80.9	1.236	10
Peltogyne porphyrocardia	Zapatero	25	0.908	33.9	39.5	0.994	7
Peltogyne pubescens	Purpleheart	16	0.740	54.9		1.069	8
Peltogyne spp.	Amarante	6	0.812	45.5	47.9	1.058	8
Peltogyne spp.	Purpleheart	13	0.740	54.9	62.0	1.155	9
Peltogyne venosa	Purpleheart	29	0.670	64.1	70.7	1.132	9
Peltogyne venosa	Purpleheart	16	0.750	53.5		1.064	8
Pentaclethra macroloba	Clavellino	25	0.676	63.3	64.5	1.085	8
Pera glabrata	Pilon rosado	25	0.639	68.1	54.9	0.930	7
Pera schomburgkiana	Amarillo	26	0.656	65.9		1.067	8
Persea caerulea	Aguacate chico	23	0.390	99.1	86.0	0.743	5
Persea veraquensis	Sigua carano	23	0.390	99.1	61.0	0.619	4
Petitia domingensis	Capa blanco	15	0.660	65.4	73.0	1.136	9
Pinus caribaea	Pine	16	0.650	66.7		1.065	8
Pinus caribaea	Pino costeno	5	0.800	47.0		1.028	8
Pinus douglasiana	Pino blanco	17	0.450	90.2		0.873	6
Pinus lawsoni	Pino ortiguelo	17	0.510	83.2		0.948	7
Pinus leiophylla	Pino chino	5	0.460	89.0		0.886	6
Pinus michoacana	Pino lacio	17	0.450	90.2		0.873	6
Pinus oocarpa	Pino ocote	17	0.660	65.4		1.069	8
Piptadenia psilostachya	Yiguire	25	0.667	64.5	45.7	0.846	6
Piptadenia spp.	Carabali	26	0.615	71.0		1.046	8
Piptadenia spp.	Palo blanco	25	0.577	75.6	42.5	0.693	4
Piptadenia suaveolens	Fava folha fina	2	0.760	52.2	53.9	1.083	8

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Piranhea longepedunculata	Caramacate	25	0.903	34.4	31.9	0.769	5
Piscidia communis	Jabin	17	0.690	61.5		1.075	8
Pisonia cuspidata *	Casabe	25	0.471	87.7	100.6	0.957	7
Pisonia spp. *	Masamorro	26	0.559	77.7		0.989	7
Pisonia spp.	Peronil	23	0.420	94.2	95.0	0.836	6
Pithecellobium guachapele	Uvero macho	26	0.548	79.0		0.990	7
Pithecellobium jupunba	Saman montanero	25	0.514	82.8	110.0	1.081	8
Pithecellobium pedicellare	Hueso de pascado	25	0.429	92.9	109.7	0.907	7
Pithecellobium saman	Saman	16	0.480	86.6		0.911	7
Pithecellobium saman	Saman	15	0.440	91.5	145.0	1.034	8
Planchonella pachycarpa	Goiabao	6	0.801	46.9	49.7	1.074	8
Planchonella pachycarpa	Goiabao	2	0.740	54.9	58.1	1.109	9
Platonia insignis Mart.	Bacuri	6	0.772	50.6	42.6	0.916	7
Platymiscium pinnatum	Granadillo	5	0.920	32.5		0.803	6
Platymiscium pinnatum	Roble	26	0.858	39.7		0.947	7
Platymiscium pinnatum	Roble	25	0.780	49.6		1.046	8
Platymiscium trinitatis		29	0.940	30.3	31.1	0.770	5
Podocarpus oleifolius	Diablo fuerte	4	0.530	81.0	114.0	1.130	9
Poeppigia procera	Frijolillo	23	0.710	58.8	65.0	1.142	9
Pouteria caimito	Abiurana	2	0.880	37.1	45.5	1.095	8
Pouteria campechiana	Kaniste	17	0.760	52.2		1.059	8
Pouteria carabobensis	Chupon	28	0.680	62.8	63.8	1.084	8
Pouteria egregia	Purguillo	25	0.876	37.6	38.5	0.936	7
Pouteria eugeniifolia	Chile rosado	25	1.082	16.7	19.3		
Pouteria multiflora	Jacana	15	0.740	54.9	60.0	1.132	9
Pouteria pomifera	Capure	25	0.760	52.2	45.5	0.954	7
Pouteria spp.	Nispero mono	23	0.700	60.2	59.0	1.063	8
Pouteria spp.	Maranoncillo	23	0.690	61.5	61.0	1.070	8
Pouteria spp.	Nispero cuascudo	23	0.730	56.2	59.0	1.106	9
Pouteria spp.	Rosetto blanco	23	0.600	72.9	70.0	1.014	8
Pouteria spp.	Mamey de montana	23	0.590	74.1	63.0	0.940	7
Pouteria spp.	Chupon blanco	25	0.727	56.6	58.3	1.093	8
Pouteria spp.	Chupon blanco	26	0.680	62.8		1.074	8
Pouteria spp.	Chupon	26	0.734	55.7		1.071	8
Pouteria spp.	Caimito	4	0.600	72.9	58.0	0.908	7
Prioria copaifera	Cativo blanco/negro	23	0.450	90.2	91.0	0.876	6
Prioria copaifera	Cativo	28	0.400	97.3	81.2	0.741	5
Prioria copaifera	Cativo	6	0.459	89.1	85.2	0.866	6
Protium crenatum	Anime blanco	26	0.579	75.4		1.019	8
Protium decandrum	Kurokai	16	0.530	81.0		0.971	7
Protium decandrum	Kurokai	13	0.530	81.0	72.0	0.914	7
Protium decandrum	Azucarito	25	0.558	77.8	64.8	0.906	7
Protium neglectum	Carano blanco	25	0.583	74.9	57.9	0.882	6
Protium sagotianum	Carano	25	0.576	75.8	36.3	0.591	3
Protium schomburgkianum	Kurokai	16	0.480	86.6		0.911	7
Protium schomburgkianum	Azucarito	25	0.540	79.9	59.9	0.837	6
Protium spp.	Breu	6	0.589	74.2	52.8	0.838	6
Protium spp.	Breu manga	2	0.760	52.2	47.4	0.986	7
Protium spp.	Chutra	23	0.480	86.6	83.0	0.893	6
Protium tenuifolium	Breu preto	2	0.630	69.2	63.5	1.005	8
Protium tenuifolium	Anime rosado	26	0.656	65.9		1.067	8
Prunus spp.	Mamey colorado	23	0.580	75.3	76.0	1.025	8
Pseudobombax ellipticum	Amapola cedreada	17	0.340	110.5		0.726	5
Pseudobombax septenatum	Barrigon	23	0.140	338.7	394.0	0.453	2
Pseudolmedia laevis	Chimicua	4	0.710	58.8	39.0	0.778	5
Pseudolmedia oxyphyllaria	Mamba	17	0.720	57.5		1.074	8
Pseudolmedia spp	Mariabe	23	0.590	74.1	63.0	0.940	7
Pterocarpus officinalis	Cacu	25	0.500	84.4	67.5	0.834	6
Pterocarpus officinalis	Sangre de gallo	23	0.360	105.3	63.0	0.583	3
Pterocarpus rohrii	Sangrito	25	0.410	95.7	115.3	0.886	6
Pterocarpus spp.	Palosangre amarillo	4	0.680	62.8	50.0	0.924	7
Pterocarpus spp.	Sangron	26	0.512	83.0		0.950	7
Pterocarpus spp.	Palisangre	4	0.700	60.2	64.0	1.116	9

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate	Actual	DTI	DRYING GROUP
				Mg%	Mg%		
Pterocarpus spp.	Palosangre negro	4	0.730	56.2	61.0	1.129	9
Pterocarpus spp.	Sangron	26	0.502	84.1		0.938	7
Pterocarpus spp.	Sangregao	26	0.538	80.1		0.980	7
Pterocarpus vernalis	Sangre de drago	26	0.661	65.3		1.069	8
Pterocarpus vernalis	Sangre	28	0.570	76.5	62.0	0.901	7
Pterygota spp.	Paujil ruro	4	0.620	70.5	63.0	0.985	7
Qualea albiflora	Mandioqueira lisa	2	0.570	76.5	100.0	1.147	9
Qualea albiflora	Gronfoeloe	16	0.490	85.5		0.924	7
Qualea albiflora/Q. spp	Gronfoeloe/wiswiskwalie	28	0.500	84.4	151.8	1.189	9
Qualea brevipedicellata	Mandioqueira aspera	2	0.740	54.9	58.1	1.109	9
Qualea cymulosa	Gorgojo	23	0.600	72.9	85.0	1.119	9
Qualea dinizii	Guarapo	25	0.577	75.6	88.7	1.100	9
Qualea rosea	Mountain gronfoeloe	29	0.530	81.0	82.5	0.980	7
Qualea rosea	Gronfoeloe	16	0.530	81.0		0.971	7
Qualea spp.	Mandioqueira	6	0.664	64.9	80.6	1.201	10
Quercus barbinervis	Encino	17	0.710	58.8		1.075	8
Quercus spp.	Mamecillo	23	0.760	52.2	55.0	1.097	8
Quercus spp.	Roble	23	0.620	70.5	77.0	1.100	9
Rheedia madruno	Madrono	26	0.763	51.9		1.058	8
Rheedia spp.	Charichuelo	4	0.600	72.9	71.0	1.022	8
Rhizophora mangle	Mangle colorado	23	0.830	43.2	46.0	1.046	8
Rollinia exsucca	Anoncillo	25	0.319	117.3	72.8	0.562	3
Rollinia exsucca	Envira	2	0.520	82.1	96.2	1.033	8
Rollinia spp.	Anoncillo de monte	26	0.377	101.5		0.775	5
Rollinia spp.	Anon	26	0.402	97.0		0.808	6
Roupala montana	Faeira/louro faia	2	0.770	50.9	61.0	1.187	9
Roupala spp.	Piel de lagarto	5	0.930	31.4		0.773	5
Ruprechtia aff. ramiflora	Palo de agua	26	0.518	82.3		0.957	7
Saccoglossis cydonioides	Ponsigue montanero	25	0.716	58.0	38.6	0.776	5
Sandwithiodoxa egregia	Abiu pitomba	2	0.840	42.0	46.4	1.065	8
Sapium biglandulosum	Lechero	27	0.450	90.2	81.6	0.832	6
Sapium biglandulosum	Lechero	26	0.480	86.6		0.911	7
Sapium cf. jenmanni	Cancho blanco	25	0.407	96.2	105.6	0.849	6
Sapium laurocerasus	Tabaiba	15	0.380	101.0	96.0	0.762	5
Sapium marmieri	Caucho masha	4	0.400	97.3	60.0	0.628	4
Sapium spp.	Oliv	23	0.500	84.4	63.0	0.802	6
Sapium spp.	Caucho	26	0.520	82.1		0.960	7
Sapium spp.	Lechos	5	0.400	97.3		0.806	6
Sapium spp.	Lechero	26	0.415	95.0		0.826	6
Schizolobium parahybum	Tinecu	23	0.600	72.9	85.0	1.119	9
Sclerolobium spp.	Uchacuiro blanco	4	0.390	99.1	64.0	0.637	4
Sclerolobium chrysophyllum	Tachi pitomba	2	0.610	71.7	75.4	1.071	8
Sclerolobium guianensis	Guamillo	25	0.557	78.0	83.5	1.033	8
Sclerolobium melinonii	Jawaledan	29	0.470	87.8	107.3	0.982	7
Sclerolobium paniculatum	Guamillo rojo	25	0.335	112.0	64.0	0.549	3
Sclerolobium paraense	Tachi branco	2	0.610	71.7	91.8	1.178	9
Sclerolobium poeppigianum	Tachi pitomba	2	0.650	66.7	80.0	1.173	9
Scleronema spp.	Cardeiro	6	0.654	66.2	53.0	0.928	7
Sickingia spp.	Huacamayo caspi	4	0.650	66.7	55.0	0.946	7
Sideroxylon tempisque	Tempisque	5	1.040	20.4		0.206	1
Simaba multiflora	Congrillo	25	0.509	83.4	70.0	0.866	6
Simaba multiflora	Simarudo	26	0.538	80.2		0.980	7
Simaba multiflora	Hueso de pescado	26	0.455	89.6		0.879	6
Simarouba spp.	Marupa	6	0.392	98.7	66.0	0.651	4
Simarouba amara	Simarouba	16	0.380	101.0		0.779	5
Simarouba amara	Pasaak	17	0.400	97.3		0.806	6
Simarouba amara	Simaruba	28	0.380	101.0	69.2	0.649	4
Simarouba amara	Marupa	4	0.360	105.3	61.0	0.572	3
Simarouba amara	Cedroblanco	25	0.321	116.6	143.6	0.759	5
Simarouba glauca	Aceituno	5	0.420	94.2		0.833	6
Simarouba spp.	Lagarto	5	0.420	94.2		0.833	6
Simarouba spp.	Coralillo	5	0.420	94.2		0.833	6
Sloanea berteriana	Motillo	15	0.800	47.0	51.0	1.093	8

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Sloanea grandiflora	Cebeza de araguato	25	0.795	47.7	37.5	0.832	6
Sloanea guianensis	Cebeza de araguato	25	0.787	48.7	51.1	1.078	8
Sloanea lauriflora	Cebeza de araguato	25	0.809	45.9	49.5	1.081	8
Sloanea terniflora	Picopico	26	0.792	48.1		1.037	8
Spondias mombin	Jobo corronchoso	26	0.406	96.4		0.814	6
Spondias mombin	Ubos	4	0.350	107.8	113.0	0.754	5
Spondias mombin	Jobo	27	0.400	97.3	131.4	0.910	7
Spondias mombin	Jobo corronchoso	25	0.377	101.6	159.2	0.920	7
Spondias mombin	Jobo	23	0.360	105.3	128.0	0.813	6
Spondias mombin	Jobo	15	0.410	95.7	133.0	0.936	7
Spondias mombin	Jobo	17	0.380	101.0		0.779	5
Sterculia apetala	Bellota	17	0.380	101.0		0.779	5
Sterculia apetala	Panama	23	0.330	113.6	227.0	0.905	7
Sterculia apetala	Camoruco	26	0.373	102.4		0.770	5
Sterculia pruriens	Sterculia	16	0.440	91.5		0.860	6
Sterculia pruriens	Majagua	25	0.461	88.8	86.6	0.877	6
Sterculia speciosa	Chicha	2	0.490	85.5	122.4	1.077	8
Sterculia spp.	Chicha	6	0.582	75.1	63.2	0.929	7
Stryphnodendron polystachum	Araguaney	25	0.448	90.4	133.8	1.022	8
Swartzia bannia	Bannia	29	1.020	22.2	25.1	0.543	3
Swartzia leiocalycina	Wamara	13	0.870	38.3	38.0	0.918	7
Swartzia leiocalycina	Wamara	16	0.870	38.3		0.925	7
Swartzia loptopetalata	Orura barrialera	26	0.695	60.8		1.075	8
Swartzia spp.	Coracao de Negro	6	1.095	15.6	18.7		
Sweetia spp.	Cocobolo	23	0.800	47.0	57.0	1.179	9
Swietenia humilis	Caoba	5	0.490	85.5		0.924	7
Swietenia macrophylla	Caoba	26	0.522	81.9		0.962	7
Swietenia macrophylla	Caoba	17	0.400	97.3		0.806	6
Swietenia macrophylla	Caoba	4	0.430	92.8	53.0	0.621	4
Swietenia macrophylla	Mahogani	16	0.450	90.2		0.873	6
Swietenia macrophylla	Mogno	6	0.602	72.7	24.6	0.313	1
Swietenia macrophylla	Caoba	5	0.490	85.5		0.924	7
Swietenia macrophylla	Mahogany	28	0.450	90.2	79.6	0.822	6
Swietenia mahogani	Mahogany	16	0.560	77.6		1.002	8
Sympomia globulifera	Manni	16	0.580	75.3		1.020	8
Sympomia globulifera	Manil	6	0.644	67.4	39.7	0.722	5
Sympomia globulifera	Waile chewstick	13	0.590	74.1	97.0	1.170	9
Sympomia globulifera	Chewstick	29	0.580	75.3	85.4	1.086	8
Sympomia globulifera	Anani	2	0.580	75.3	93.1	1.130	9
Sympomia globulifera	Cerillo	23	0.550	78.8	101.0	1.113	9
Symplocos spp.	Mangle blanco de montana	23	0.490	85.5	91.0	0.951	7
Syzygiopsis oppositifolia	Abiu branco	2	0.650	66.7	84.6	1.205	10
Tabebuia chrysanthia	Cortez	5	0.960	28.2		0.667	4
Tabebuia donnell-smithii	Primavera	28	0.400	97.3	57.7	0.612	4
Tabebuia donnell-smithii *	Primavera	17	0.390	99.1		0.792	5
Tabebuia guayacan	Guayacan	23	0.850	40.7	33.0	0.761	5
Tabebuia guayacan	Guayacan	8	0.850	40.7	35.4	0.831	6
Tabebuia guayacan/beterotricha	Guayacan	28	0.820	44.5	38.0	0.868	6
Tabebuia heterophylla	Roble blanco	15	0.580	75.3	63.0	0.925	7
Tabebuia heterophylla	Roble	16	0.580	75.3		1.020	8
Tabebuia heterotricha	Guayacan	9	0.800	47.0	40.5	0.904	7
Tabebuia insignis	Tabebuia	16	0.550	78.8		0.992	7
Tabebuia pentaphylla	Roble blanco	28	0.520	82.1	68.2	0.871	6
Tabebuia rosea	Roble	16	0.490	85.5		0.924	7
Tabebuia rosea	Apamate	26	0.601	72.8		1.037	8
Tabebuia serratifolia	Tahuari	4	0.920	32.5	34.0	0.852	6
Tabebuia serratifolia	Bethabara	16	0.920	32.5		0.803	6
Tabebuia serratifolia		25	0.967	27.5	32.5	0.841	6
Tabebuia serratifolia	Bethabara	27	0.920	32.5	31.2	0.758	5
Tabebuia serratifolia	Flor amarillo	26	1.039	20.5		0.215	1
Tabebuia spp.	Ipe	6	0.976	26.6	33.2	0.873	6
Tabebuia stenocalyx	Purguillo blanco	25	0.574	76.0	52.0	0.809	6
Tachigali cf. myrmecophila *	Tachi preto/tachi	2	0.570	76.5	96.5	1.129	9

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
Talauma dodecapetala	Magnolia	16	0.590	74.1		1.029	8
Talisia spp.	Carne asada	26	0.912	33.4		0.826	6
Tapirira guianensis	Fruta de paloma	26	0.486	85.9		0.919	7
Tectona grandis	Teca	15	0.550	78.8	83.0	1.018	8
Tectona grandis (plantation)	Teak	28	0.560	77.6	72.3	0.966	7
Terminalia aff. obovata	Pardillo amarillo	26	0.722	57.3		1.074	8
Terminalia aff. lucida	Amarillo	23	0.700	60.2	71.0	1.183	9
Terminalia amazonia	Pata de danto	25	0.727	56.6	42.8	0.869	6
Terminalia amazonia	Nargusta	16	0.660	65.4		1.069	8
Terminalia amazonia	Guabillo	5	0.690	61.5		1.075	8
Terminalia amazonia	Canshan	17	0.600	72.9		1.036	8
Terminalia amazonia	Amarillo carabuelo	23	0.680	62.8	51.0	0.937	7
Terminalia amazonia	Nargusta	28	0.640	67.9	67.3	1.055	8
Terminalia catappa	Almendra	15	0.590	74.1	81.0	1.076	8
Terminalia spp.	Guayabon	26	0.540	79.9		0.982	7
Terminalia guianensis	Pata de danto	25	0.679	62.9	54.3	0.978	7
Terminalia guyanensis	Guayabo de Monte	28	0.570	76.5	73.6	0.992	7
Terminalia oblonga	Yacushapana	4	0.730	56.2	40.0	0.819	6
Terminalia oblonga	Guayabon	26	0.540	79.9		0.982	7
Terminalia spp.	Criollo	23	0.580	75.3	56.0	0.859	6
Terminalia spp.	Amarillo de pena	26	0.746	54.1		1.066	8
Tetragastris altissima	Azucarito blanco	25	0.607	72.1	47.6	0.799	5
Tetragastris altissima	Breu manga	2	0.740	54.9	40.5	0.840	6
Tetragastris balsamifera	Masa	15	0.630	69.2	52.0	0.884	6
Tetragastris balsamifera	Masa	28	0.670	64.1	60.5	1.035	8
Tetragastris panamensis	Maramo	25	0.711	58.7	59.0	1.078	8
Tetragastris panamensis	Breu preto	2	0.770	50.9	55.8	1.122	9
Tetragastris spp.	Sali	6	0.800	47.0	25.0	0.428	2
Tetragastris spp.	Ciruelo	23	0.660	65.4	77.0	1.167	9
Tetragastris spp.	Secuadra	23	0.640	67.9	54.0	0.921	7
Tetragastris stevensonii	kerosine	5	0.860	39.5		0.944	7
Toulicia pulvinata	Carapo blanco	25	0.631	69.1	70.8	1.070	8
Trattinickia cf. burseraeifolia	Breu/amescla	2	0.500	84.4	120.0	1.090	8
Trattinickia rhoifolia	Carano	25	0.381	100.8		0.780	5
Trattinickia rhoifolia	Carano	26	0.453	89.8		0.877	6
Trattinickia spp.	Amesclao	6	0.541	79.8	103.4	1.107	9
Trattinickia spp.	Carano	23	0.410	95.7	87.0	0.784	5
Trema intergerrima	Mochocho blanco	26	0.390	99.1		0.792	5
Trichilia lecointei	Pracuuba da terra firme	2	0.900	34.8	41.1	1.023	8
Trichilia spp.	Uchumullaca	4	0.690	61.5	57.0	1.025	8
Trichilia propingua	Bizcochuelo amarillo	25	0.580	75.3	61.1	0.908	7
Triplaris caracasana	Vara de maria	26	0.683	62.4		1.074	8
Triplaris guayaquilensis	Fernansanchez	6	0.587	74.5	40.6	0.675	4
Triplaris surinamensis	Santa maria	25	0.508	83.5	77.8	0.914	7
Trophis spp.	Sachavaca micuna	4	0.440	91.5	96.0	0.878	6
Trophis spp.	Charo negro	26	0.460	89.0		0.886	6
Trophis spp.	Charo cuero de sapo	26	0.460	89.0		0.886	6
Ulmus mexicana	Cenizo	23	0.550	78.8	77.0	0.981	7
Vantanea parviflora	Uchirana	2	0.860	39.5	39.5	0.944	7
Vataarea paraensis	Faveira amargosa	6	0.718	57.8	53.2	1.017	8
Vataarea paraensis	Fava amargosa	2	0.780	49.6	59.0	1.177	9
Vataarea sericea	Faveira bolacha	2	0.710	58.8	71.8	1.206	10
Vataarea spp.	Amargo amargo	23	0.640	67.9	88.0	1.210	10
Vataarea spp.	Mora	5	0.900	34.8		0.859	6
Virola koschnyi	Virola, light	13	0.440	91.5	75.0	0.781	5
Virola koschnyi	Banak	16	0.440	91.5		0.860	6
Virola koschnyi	Banak	5	0.530	81.0		0.971	7
Virola melinonii	Hill dalli	29	0.420	94.2	49.5	0.578	3
Virola spp.	Mollejo	23	0.360	105.3	76.0	0.647	4
Virola spp.	Virola	6	0.484	86.2	60.0	0.754	5
Virola spp.	Miguelarillo	23	0.370	103.0	97.0	0.746	5
Virola spp.	Cumala blanca	4	0.450	90.2	89.0	0.867	6
Virola spp.	Tartago	26	0.424	93.6		0.838	6

Table 3 continued

Botanical Name	Common Name	Reference	Gb	Estimate Mg%	Actual Mg%	DTI	DRYING GROUP
<i>Virola surinamensis</i>	Cuajo	25	0.358	105.8	116.9	0.781	5
<i>Virola surinamensis</i>	Baboen	16	0.420	94.2		0.833	6
<i>Virola surinamensis</i>	Banak	27	0.420	94.2	93.8	0.831	6
<i>Vitex cooperi/kuylenii</i>	Rajate bien/flor azul	28	0.530	81.0	98.8	1.064	8
<i>Vitex divaricata</i>	Higuerillo	15	0.620	70.5	86.0	1.161	9
<i>Vitex gaumeri</i>	Fiddlewood	28	0.560	77.6	42.5	0.673	4
<i>Vitex gaumeri</i>	Ya'axnik	17	0.540	79.9		0.982	7
<i>Vitex giganteum</i>	Cuajado	23	0.520	82.1	64.0	0.840	6
<i>Vitex orinocensis</i>	Guarataro negro	26	0.597	73.2		1.034	8
<i>Vitex orinocensis</i>	Guarataro	26	0.460	89.0		0.886	6
<i>Vitex orinocensis</i>		29	0.530	81.0	115.4	1.135	9
<i>Vitex spp.</i>	Guarataro blanco	26	0.646	67.2		1.064	8
<i>Vitex stahelii</i>	Totumillo	25	0.603	72.5	87.1	1.138	9
<i>Vochysia ferruginea</i>	Zopilote	5	0.480	86.6		0.911	7
<i>Vochysia ferruginea/hondurensis</i>	Corosillo	23	0.400	97.3	146.0	0.945	7
<i>Vochysia ferruginea/hondurensis</i>	Pegle	23	0.410	95.7	158.0	0.995	7
<i>Vochysia guianensis</i>	Quaruba rosa/quaruba	2	0.540	79.9	111.1	1.138	9
<i>Vochysia guianensis</i>	Kwarie	16	0.400	97.3		0.806	6
<i>Vochysia guianensis/hondurensis</i>	Quaruba	28	0.370	103.0	191.9	0.961	7
<i>Vochysia hondurensis</i>	Palo de agua	5	0.480	86.6		0.911	7
<i>Vochysia hondurensis</i>	Quaruba	13	0.380	101.0	165.0	0.938	7
<i>Vochysia hondurensis</i>	Macablanca	17	0.370	103.0		0.765	5
<i>Vochysia hondurensis</i>	Yemeri	16	0.370	103.0		0.765	5
<i>Vochysia lanceolata</i>	Quillo sisa	29	0.520	82.1	117.9	1.124	9
<i>Vochysia lehmanii</i>	Canelito	25	0.476	87.1	114.8	1.022	8
<i>Vochysia maxima</i>	Quaruba verdadeira	2	0.490	85.5	126.5	1.091	8
<i>Vochysia melinonii</i>	Quaruba rosa/quaruba	2	0.510	83.2	125.5	1.130	9
<i>Vochysia obidensis</i>	Quaruba rosa/quaruba	2	0.500	84.4	116.0	1.076	8
<i>Vochysia spp.</i>	Quaruba	6	0.473	87.4	74.4	0.834	6
<i>Vochysia spp.</i>	Quaruba	13	0.440	91.5	63.0	0.709	5
<i>Vochysia spp.</i>	Aguacate montanero	5	0.480	86.6		0.911	7
<i>Vochysia tetraphylla</i>	Lorjenna	25	0.477	87.0	104.9	0.986	7
<i>Vocysia spp.</i>	Mangalarga	5	0.480	86.6		0.911	7
<i>Vouacapoua americana</i>	Acapu	27	0.790	48.3	47.9	1.031	8
<i>Vouacapoua americana</i>	Wacapou	16	0.790	48.3		1.037	8
<i>Vouacapoua americana</i>	Wacapou	6	0.864	39.0	27.3	0.567	3
<i>Xylopia nitida</i>	Envira beanca	2	0.560	77.6	94.6	1.101	9
<i>Xylosma spp.</i>	Rosetto	23	0.650	66.7	69.0	1.086	8
<i>Zanthoxylum martinicense</i>	Espino rubial	15	0.460	89.0	84.0	0.862	6
<i>Zanthoxylum aff, martinicense *</i>	Mapurite	25	0.406	96.4	74.6	0.720	5
<i>Zanthoxylum aff, rhoifolia *</i>	Mapurite blanco	26	0.604	72.4		1.039	8
<i>Zanthoxylum spp.</i>	Hualaja	4	0.470	87.8	76.0	0.838	6
<i>Zanthoxylum spp. *</i>	Mapurite blanco	26	0.680	62.8		1.074	8
<i>Zanthoxylum spp. *</i>	Mapurite negro	26	0.606	72.2		1.041	8
<i>Zanthoxylum spp. *</i>	Mapurite amarillo	26	0.564	77.2		1.006	8
<i>Zuelania guidonia</i>	Plomo	5	0.720	57.5		1.074	8
Older scientific name	Newer scientific name						
Coumarouna spp.	Dipteryx spp.						
Cytharexylum spp.	Citharexylon spp.						
Fagara spp.	Zanthoxylum spp.						
Franchetella spp.	Lucuma spp.						
Hieronima spp.	Hyeronima spp.						
Holopytidium spp.	Lecythis spp.						
Ogcodeia spp.	Naucleopsis spp.						
Pseudosamanea spp.	Albizia spp.						
Roseodendron spp.	Tabebuia spp.						
Samanea spp.	Albizia spp.						
Tachigalia spp.	Tachigali spp.						
Torrubia spp.	Pisonia spp.						

Table 4—Kiln schedule for estimating drying time and drying time index

Moisture content (%)	Dry-bulb temperature (°C)	Relative humidity (%)	Equilibrium moisture content (%)
Green to 25	40	80	12.2
25 to 20	50	50	8.1
20 to 15	60	40	6.3
15 to 10	70	30	4.6

Table 5—Regression coefficients for the Equation (3) relationship between basic specific gravity and green moisture content^a

Region	n	Regression coefficient	Standard error
Africa	91	a -0.775	0.073
		b -0.755	0.213
		c 2.492	1.635
		d -5.769	2.822
Asia	618	a 0.806	0.025
		b -4.998	0.725
		c 20.71	3.798
		d -26.82	4.972
Latin America	607	a 0.757	0.022
		b -1.180	0.118
		c 4.174	0.818
		d -8.169	1.357
Africa and Latin America	698	a 0.754	0.022
		b -1.083	0.104
		c 3.649	0.727
		d -7.337	1.210

^aLess than 0.001 probability of falsely concluding that regression coefficients are zero.

Table 6-Statistical tests for differences in regression coefficients a to d of Equation (3)

Region	Regression coefficient a to d	Significance at 95% confidence level ^a
Africa compared with Asia	a 0.402	NS
	b 5.615	S
	c 4.406	S
	d 3.682	S
Africa compared with Latin America	a 0.236	NS
	b 1.745	NS
	c 0.921	NS
	d 0.766	NS
Asia compared with Latin America	a 1.470	NS
	b 5.197	S
	c 4.257	S
	d 3.618	S

^aNS is not significant; S is significant.

Table 7-Drying time groups for ranges of drying time index (DTI)

DTI	Species groups ^a
0.4 <	1
0.4 to 0.5	2
0.5 to 0.6	3
0.6 to 0.7	4
0.7 to 0.8	5
0.8 to 0.9	6
0.9 to 1.0	7
1.0 to 1.1	8
1.1 to 1.2	9
1.2 to 1.3	10
1.3 to 1.4	11
> 1.4	12

^aNumber corresponds to data in Tables 1 to 3.